

# SERVICE DATA APPLICATION GUIDE AIR CONDITIONERS



## GENERAL INFORMATION

This Service Data Application Guide is intended to provide guidance for troubleshooting outdoor units in operation in the field. These data tables are developed using new matched systems with the outdoor unit paired with the nominal indoor unit, the Highest Sales Volume Tested Combination (HSVTC match). Variation from these published tables may exist for actual field installations, according to the specific application.

The Charging Charts in this Service Data Application Guide are valid for use in setting the system charge for all published OEM system combinations for split system air conditioners.

The Service Data Tables provide reference refrigerant temperature and pressure, indoor delta temperature, and unit operating currents for a range of indoor and outdoor operating conditions.

For new outdoor designs, the Condenser Tables are provided in the unit's Technical Guide.

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<b>FOR USE WITH MODELS:</b> .....	<b>339</b>	AC21B6021S	
GAW14L60C2(1,2)S	339	AL21B6021S	375

FOR USE WITH MODELS WITH ORIFICE:

**YCD18B21(S,H)**

**TC3B1821(S,H)**

**RAC13L18B21S**

YCD18B21(S,H) Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	91	97	102	108	113	119	124	130	136	141	147	152	158	163	169
	Suction Temperature (°F)														
55	59	69	..	..	..	..	..	..	..	..	..	..	..	..	..
60	..	57	65	..	..	..	..	..	..	..	..	..	..	..	..
65	..	..	54	64	73	..	..	..	..	..	..	..	..	..	..
70	..	..	..	53	61	73	..	..	..	..	..	..	..	..	..
75	..	..	..	..	51	60	70	..	..	..	..	..	..	..	..
80	..	..	..	..	..	51	59	70	..	..	..	..	..	..	..
85	..	..	..	..	..	..	50	59	70	..	..	..	..	..	..
90	..	..	..	..	..	..	..	52	56	64	..	..	..	..	..
95	..	..	..	..	..	..	..	..	53	55	63	..	..	..	..
100	..	..	..	..	..	..	..	..	49	54	56	63	..	..	..
105	..	..	..	..	..	..	..	..	..	50	56	61	67	..	..
110	..	..	..	..	..	..	..	..	..	..	53	57	62	65	..
115	..	..	..	..	..	..	..	..	..	..	52	55	59	61	64

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YCD18B21(S,H) W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	450	LIQUID PRESSURE (PSIG)	189	221	257	297	341	389	441
		LIQUID TEMPERATURE (°F)	57	69	81	92	103	114	124
		LIQUID SUBCOOLING (°F)	9	7	5	3	2	1	0
		SUCTION PRESSURE (PSIG)	94	105	115	124	132	139	146
		SUCTION TEMPERATURE (°F)	64	58	55	52	50	49	51
		SUCTION SUPERHEAT (°F)	35	24	16	9	4	0	0
		OUTDOOR UNIT CURRENT (A)	4.1	4.4	4.8	5.1	5.5	5.8	6.2
		COMPRESSOR CURRENT (A)	3.3	3.7	4.1	4.4	4.8	5.1	5.5
		INDOOR COIL DB TEMP DROP (°F)	23	24	25	25	24	22	20
	600	LIQUID PRESSURE (PSIG)	190	222	258	298	342	390	442
		LIQUID TEMPERATURE (°F)	57	68	80	92	102	113	124
		LIQUID SUBCOOLING (°F)	10	8	6	4	3	2	0
		SUCTION PRESSURE (PSIG)	97	108	118	127	135	142	149
		SUCTION TEMPERATURE (°F)	67	61	58	55	53	52	54
		SUCTION SUPERHEAT (°F)	37	26	18	11	6	2	1
		OUTDOOR UNIT CURRENT (A)	4.1	4.4	4.8	5.1	5.5	5.8	6.2
		COMPRESSOR CURRENT (A)	3.3	3.7	4.1	4.4	4.8	5.1	5.5
		INDOOR COIL DB TEMP DROP (°F)	20	21	22	22	21	19	17
	750	LIQUID PRESSURE (PSIG)	191	223	259	299	343	391	443
		LIQUID TEMPERATURE (°F)	57	69	80	92	103	113	125
		LIQUID SUBCOOLING (°F)	10	8	6	4	3	2	0
		SUCTION PRESSURE (PSIG)	100	111	121	130	138	145	152
		SUCTION TEMPERATURE (°F)	71	65	61	58	56	55	57
		SUCTION SUPERHEAT (°F)	39	28	20	13	8	4	3
OUTDOOR UNIT CURRENT (A)		4.1	4.4	4.8	5.1	5.5	5.8	6.2	
COMPRESSOR CURRENT (A)		3.3	3.7	4.1	4.4	4.8	5.1	5.5	
INDOOR COIL DB TEMP DROP (°F)		17	18	19	19	18	16	14	

Continued on next page.

YCD18B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	450	LIQUID PRESSURE (PSIG)	186	219	255	296	342	391	445
		LIQUID TEMPERATURE (°F)	57	69	81	92	104	115	125
		LIQUID SUBCOOLING (°F)	8	6	4	3	1	0	0
		SUCTION PRESSURE (PSIG)	90	100	110	120	131	141	151
		SUCTION TEMPERATURE (°F)	57	52	47	45	45	49	53
		SUCTION SUPERHEAT (°F)	31	20	11	4	0	0	0
		OUTDOOR UNIT CURRENT (A)	4.1	4.4	4.8	5.2	5.5	5.9	6.3
		COMPRESSOR CURRENT (A)	3.4	3.7	4.1	4.4	4.8	5.2	5.6
	INDOOR COIL DB TEMP DROP (°F)	31	32	32	31	29	26	23	
	600	LIQUID PRESSURE (PSIG)	188	221	257	298	344	393	447
		LIQUID TEMPERATURE (°F)	57	69	81	92	104	115	124
		LIQUID SUBCOOLING (°F)	9	7	5	4	2	1	1
		SUCTION PRESSURE (PSIG)	94	104	114	124	135	145	155
		SUCTION TEMPERATURE (°F)	65	58	54	52	52	53	57
		SUCTION SUPERHEAT (°F)	36	25	16	9	5	2	2
		OUTDOOR UNIT CURRENT (A)	4.1	4.4	4.8	5.2	5.5	5.9	6.3
		COMPRESSOR CURRENT (A)	3.4	3.7	4.1	4.4	4.8	5.2	5.6
	INDOOR COIL DB TEMP DROP (°F)	27	28	28	27	25	22	19	
	750	LIQUID PRESSURE (PSIG)	190	223	259	300	346	395	449
		LIQUID TEMPERATURE (°F)	57	69	80	91	103	114	124
		LIQUID SUBCOOLING (°F)	10	8	6	5	3	2	2
		SUCTION PRESSURE (PSIG)	98	108	118	128	139	149	159
		SUCTION TEMPERATURE (°F)	72	65	61	58	59	60	63
		SUCTION SUPERHEAT (°F)	41	30	21	14	10	7	7
		OUTDOOR UNIT CURRENT (A)	4.1	4.4	4.8	5.2	5.5	5.9	6.3
		COMPRESSOR CURRENT (A)	3.4	3.7	4.1	4.4	4.8	5.2	5.6
	INDOOR COIL DB TEMP DROP (°F)	23	24	24	23	21	18	15	
	80/62	450	LIQUID PRESSURE (PSIG)	190	223	259	299	343	391
LIQUID TEMPERATURE (°F)			57	69	80	92	104	114	125
LIQUID SUBCOOLING (°F)			10	8	6	4	2	1	0
SUCTION PRESSURE (PSIG)			95	105	115	125	134	143	151
SUCTION TEMPERATURE (°F)			65	59	55	51	50	50	53
SUCTION SUPERHEAT (°F)			36	25	16	8	3	0	0
OUTDOOR UNIT CURRENT (A)			4.1	4.5	4.8	5.2	5.5	5.9	6.3
COMPRESSOR CURRENT (A)			3.4	3.7	4.1	4.4	4.8	5.2	5.5
INDOOR COIL DB TEMP DROP (°F)		27	29	29	29	28	26	23	
600		LIQUID PRESSURE (PSIG)	192	225	261	301	345	393	445
		LIQUID TEMPERATURE (°F)	56	68	80	91	103	114	125
		LIQUID SUBCOOLING (°F)	11	9	7	5	3	2	0
		SUCTION PRESSURE (PSIG)	98	108	118	128	137	146	154
		SUCTION TEMPERATURE (°F)	70	63	59	55	54	54	55
		SUCTION SUPERHEAT (°F)	39	28	19	11	6	3	1
		OUTDOOR UNIT CURRENT (A)	4.1	4.5	4.8	5.2	5.5	5.9	6.3
		COMPRESSOR CURRENT (A)	3.4	3.7	4.1	4.4	4.8	5.2	5.5
INDOOR COIL DB TEMP DROP (°F)		23	25	25	25	24	22	19	
750		LIQUID PRESSURE (PSIG)	194	227	263	303	347	395	447
		LIQUID TEMPERATURE (°F)	56	68	79	91	102	113	124
		LIQUID SUBCOOLING (°F)	12	10	8	6	4	3	1
		SUCTION PRESSURE (PSIG)	101	111	121	131	140	149	157
		SUCTION TEMPERATURE (°F)	74	68	63	59	58	59	59
		SUCTION SUPERHEAT (°F)	42	31	22	14	9	6	4
		OUTDOOR UNIT CURRENT (A)	4.1	4.5	4.8	5.2	5.5	5.9	6.3
		COMPRESSOR CURRENT (A)	3.4	3.7	4.1	4.4	4.8	5.2	5.5
INDOOR COIL DB TEMP DROP (°F)		19	21	21	21	20	18	15	

Continued on next page.

## YCD18B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	450	LIQUID PRESSURE (PSIG)	192	225	262	303	348	397	450
		LIQUID TEMPERATURE (°F)	57	67	79	90	102	113	125
		LIQUID SUBCOOLING (°F)	10	10	8	7	5	3	1
		SUCTION PRESSURE (PSIG)	96	109	121	132	142	149	156
		SUCTION TEMPERATURE (°F)	68	66	63	61	55	56	55
		SUCTION SUPERHEAT (°F)	38	30	22	15	5	3	0
		OUTDOOR UNIT CURRENT (A)	4.1	4.5	4.8	5.2	5.6	6.0	6.4
		COMPRESSOR CURRENT (A)	3.4	3.7	4.1	4.5	4.9	5.2	5.6
	INDOOR COIL DB TEMP DROP (°F)	22	23	24	24	23	23	21	
	600	LIQUID PRESSURE (PSIG)	193	226	263	304	349	398	451
		LIQUID TEMPERATURE (°F)	58	67	79	90	102	113	125
		LIQUID SUBCOOLING (°F)	10	10	8	7	5	3	1
		SUCTION PRESSURE (PSIG)	98	111	123	134	144	151	158
		SUCTION TEMPERATURE (°F)	72	70	67	65	59	59	57
		SUCTION SUPERHEAT (°F)	41	33	25	18	8	6	1
		OUTDOOR UNIT CURRENT (A)	4.1	4.5	4.8	5.2	5.6	6.0	6.4
		COMPRESSOR CURRENT (A)	3.4	3.7	4.1	4.5	4.9	5.2	5.6
	INDOOR COIL DB TEMP DROP (°F)	19	20	21	21	20	20	18	
	750	LIQUID PRESSURE (PSIG)	194	227	264	305	350	399	452
		LIQUID TEMPERATURE (°F)	58	68	80	90	102	114	125
		LIQUID SUBCOOLING (°F)	10	10	8	7	5	3	1
		SUCTION PRESSURE (PSIG)	100	113	125	136	146	153	160
		SUCTION TEMPERATURE (°F)	76	74	71	68	62	63	61
		SUCTION SUPERHEAT (°F)	44	36	28	21	11	9	4
OUTDOOR UNIT CURRENT (A)		4.1	4.5	4.8	5.2	5.6	6.0	6.4	
COMPRESSOR CURRENT (A)		3.4	3.7	4.1	4.5	4.9	5.2	5.6	
INDOOR COIL DB TEMP DROP (°F)	16	17	18	18	17	17	15		
80/72	450	LIQUID PRESSURE (PSIG)	194	225	261	302	347	398	453
		LIQUID TEMPERATURE (°F)	58	67	78	90	101	113	125
		LIQUID SUBCOOLING (°F)	10	10	9	7	5	3	1
		SUCTION PRESSURE (PSIG)	97	110	123	135	146	156	166
		SUCTION TEMPERATURE (°F)	70	71	71	70	67	64	61
		SUCTION SUPERHEAT (°F)	40	35	29	23	16	9	2
		OUTDOOR UNIT CURRENT (A)	4.1	4.5	4.8	5.2	5.6	6.0	6.5
		COMPRESSOR CURRENT (A)	3.4	3.7	4.1	4.5	4.9	5.3	5.8
	INDOOR COIL DB TEMP DROP (°F)	18	19	19	19	19	18	17	
	600	LIQUID PRESSURE (PSIG)	196	227	263	304	349	400	455
		LIQUID TEMPERATURE (°F)	58	67	77	89	101	113	125
		LIQUID SUBCOOLING (°F)	11	11	10	8	6	4	2
		SUCTION PRESSURE (PSIG)	99	112	125	137	148	158	168
		SUCTION TEMPERATURE (°F)	73	74	74	73	70	67	63
		SUCTION SUPERHEAT (°F)	42	37	31	25	18	11	4
		OUTDOOR UNIT CURRENT (A)	4.1	4.5	4.8	5.2	5.6	6.0	6.5
		COMPRESSOR CURRENT (A)	3.4	3.7	4.1	4.5	4.9	5.3	5.8
	INDOOR COIL DB TEMP DROP (°F)	15	16	16	16	16	15	14	
	750	LIQUID PRESSURE (PSIG)	198	229	265	306	351	402	457
		LIQUID TEMPERATURE (°F)	57	66	77	89	100	112	124
		LIQUID SUBCOOLING (°F)	12	12	11	9	7	5	3
		SUCTION PRESSURE (PSIG)	101	114	127	139	150	160	170
		SUCTION TEMPERATURE (°F)	76	77	77	76	73	70	66
		SUCTION SUPERHEAT (°F)	44	39	33	27	20	13	6
OUTDOOR UNIT CURRENT (A)		4.1	4.5	4.8	5.2	5.6	6.0	6.5	
COMPRESSOR CURRENT (A)		3.4	3.7	4.1	4.5	4.9	5.3	5.8	
INDOOR COIL DB TEMP DROP (°F)	12	13	13	13	13	12	11		



FOR USE WITH MODELS WITH ORIFICE:

YCD18B22S

TC3B1822S

RAC13L18B22S

YCD18B22S Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	98	103	108	113	118	123	128	133	137	142	147	152	157	162	167
	Suction Temperature (°F)														
55	59	66	70	..	..	..	..	..	..	..	..	..	..	..	..
60	.	60	66	74	..	..	..	..	..	..	..	..	..	..	..
65	.	..	58	65	73	..	..	..	..	..	..	..	..	..	..
70	.	..	..	56	63	72	..	..	..	..	..	..	..	..	..
75	..	..	..	..	55	61	70	..	..	..	..	..	..	..	..
80	..	..	..	..	51	55	62	70	..	..	..	..	..	..	..
85	..	..	..	..	..	51	56	62	68	74	..	..	..	..	..
90	..	..	..	..	..	..	51	56	61	64	73	..	..	..	..
95	..	..	..	..	..	..	..	50	53	55	61	70	..	..	..
100	..	..	..	..	..	..	..	49	51	53	60	65	..	..	..
105	..	..	..	..	..	..	..	..	49	52	57	62	67	..	..
110	..	..	..	..	..	..	..	..	..	50	54	59	63	67	..
115	..	..	..	..	..	..	..	..	..	48	52	54	59	63	67

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

## YCD18B22S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	450	LIQUID PRESSURE (PSIG)	187	220	256	298	343	393	447
		LIQUID TEMPERATURE (°F)	58	69	79	90	101	113	123
		LIQUID SUBCOOLING (°F)	8	7	6	6	5	3	2
		SUCTION PRESSURE (PSIG)	101	111	120	128	134	138	141
		SUCTION TEMPERATURE (°F)	64	60	57	54	52	49	49
		SUCTION SUPERHEAT (°F)	32	23	16	10	5	1	0
		OUTDOOR UNIT CURRENT (A)	3.5	3.8	4.2	4.7	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	3.9	4.5	5.1	5.9
		INDOOR COIL DB TEMP DROP (°F)	21	22	23	24	23	23	22
	600	LIQUID PRESSURE (PSIG)	188	221	257	299	344	394	448
		LIQUID TEMPERATURE (°F)	57	68	79	89	100	112	122
		LIQUID SUBCOOLING (°F)	9	8	7	7	6	4	3
		SUCTION PRESSURE (PSIG)	104	114	123	131	137	141	144
		SUCTION TEMPERATURE (°F)	67	63	60	57	55	52	51
		SUCTION SUPERHEAT (°F)	34	25	18	12	7	3	0
		OUTDOOR UNIT CURRENT (A)	3.5	3.8	4.2	4.7	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	3.9	4.5	5.1	5.9
		INDOOR COIL DB TEMP DROP (°F)	18	19	20	21	20	20	19
	750	LIQUID PRESSURE (PSIG)	189	222	258	300	345	395	449
		LIQUID TEMPERATURE (°F)	56	67	78	88	99	111	122
		LIQUID SUBCOOLING (°F)	10	9	8	8	7	5	4
		SUCTION PRESSURE (PSIG)	107	117	126	134	140	144	147
		SUCTION TEMPERATURE (°F)	71	66	63	61	58	56	54
		SUCTION SUPERHEAT (°F)	36	27	20	14	9	5	2
OUTDOOR UNIT CURRENT (A)		3.5	3.8	4.2	4.7	5.2	5.9	6.6	
COMPRESSOR CURRENT (A)		2.8	3.1	3.5	3.9	4.5	5.1	5.9	
INDOOR COIL DB TEMP DROP (°F)		15	16	17	18	17	17	16	

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## YCD18B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	450	LIQUID PRESSURE (PSIG)	184	216	253	295	341	392	447
		LIQUID TEMPERATURE (°F)	57	69	80	91	102	112	123
		LIQUID SUBCOOLING (°F)	8	6	5	4	3	3	2
		SUCTION PRESSURE (PSIG)	100	106	114	122	129	136	142
		SUCTION TEMPERATURE (°F)	62	56	52	50	48	47	50
		SUCTION SUPERHEAT (°F)	30	22	14	8	3	0	0
		OUTDOOR UNIT CURRENT (A)	3.5	3.8	4.2	4.7	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	3.9	4.5	5.1	5.9
	INDOOR COIL DB TEMP DROP (°F)	29	31	31	31	30	29	27	
	600	LIQUID PRESSURE (PSIG)	186	218	255	297	343	394	449
		LIQUID TEMPERATURE (°F)	56	68	79	90	102	112	123
		LIQUID SUBCOOLING (°F)	9	7	6	5	4	4	3
		SUCTION PRESSURE (PSIG)	106	111	119	127	134	141	147
		SUCTION TEMPERATURE (°F)	68	63	58	56	54	52	53
		SUCTION SUPERHEAT (°F)	34	26	18	12	7	3	1
		OUTDOOR UNIT CURRENT (A)	3.5	3.8	4.2	4.7	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	3.9	4.5	5.1	5.9
	INDOOR COIL DB TEMP DROP (°F)	24	26	26	26	25	24	22	
	750	LIQUID PRESSURE (PSIG)	188	220	257	299	345	396	451
		LIQUID TEMPERATURE (°F)	56	68	79	90	101	111	122
		LIQUID SUBCOOLING (°F)	10	8	7	6	5	5	4
		SUCTION PRESSURE (PSIG)	111	116	124	132	139	146	152
		SUCTION TEMPERATURE (°F)	75	69	65	62	60	58	59
		SUCTION SUPERHEAT (°F)	38	30	22	16	11	7	5
OUTDOOR UNIT CURRENT (A)		3.5	3.8	4.2	4.7	5.2	5.9	6.6	
COMPRESSOR CURRENT (A)		2.8	3.1	3.5	3.9	4.5	5.1	5.9	
INDOOR COIL DB TEMP DROP (°F)	19	21	21	21	20	19	17		
80/62	450	LIQUID PRESSURE (PSIG)	186	219	257	298	344	395	449
		LIQUID TEMPERATURE (°F)	57	68	79	90	101	112	123
		LIQUID SUBCOOLING (°F)	8	7	7	6	5	4	3
		SUCTION PRESSURE (PSIG)	101	110	119	127	133	138	143
		SUCTION TEMPERATURE (°F)	66	61	57	55	51	49	50
		SUCTION SUPERHEAT (°F)	34	25	17	11	5	1	0
		OUTDOOR UNIT CURRENT (A)	3.5	3.8	4.2	4.7	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	3.9	4.5	5.2	5.9
	INDOOR COIL DB TEMP DROP (°F)	25	26	28	28	28	28	26	
	600	LIQUID PRESSURE (PSIG)	187	220	258	299	345	396	450
		LIQUID TEMPERATURE (°F)	57	68	78	89	100	111	122
		LIQUID SUBCOOLING (°F)	9	8	8	7	6	5	4
		SUCTION PRESSURE (PSIG)	105	114	123	131	137	142	147
		SUCTION TEMPERATURE (°F)	71	66	62	59	56	54	52
		SUCTION SUPERHEAT (°F)	37	28	20	14	8	4	0
		OUTDOOR UNIT CURRENT (A)	3.5	3.8	4.2	4.7	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	3.9	4.5	5.2	5.9
	INDOOR COIL DB TEMP DROP (°F)	21	22	24	24	24	24	22	
	750	LIQUID PRESSURE (PSIG)	188	221	259	300	346	397	451
		LIQUID TEMPERATURE (°F)	56	67	77	88	99	110	121
		LIQUID SUBCOOLING (°F)	10	9	9	8	7	6	5
		SUCTION PRESSURE (PSIG)	109	118	127	135	141	146	151
		SUCTION TEMPERATURE (°F)	76	71	67	64	60	58	56
		SUCTION SUPERHEAT (°F)	40	31	23	17	11	7	3
OUTDOOR UNIT CURRENT (A)		3.5	3.8	4.2	4.7	5.2	5.9	6.6	
COMPRESSOR CURRENT (A)		2.8	3.1	3.5	3.9	4.5	5.2	5.9	
INDOOR COIL DB TEMP DROP (°F)	17	18	20	20	20	20	18		

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## YCD18B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	450	LIQUID PRESSURE (PSIG)	188	221	259	301	348	399	454
		LIQUID TEMPERATURE (°F)	57	67	77	88	99	110	120
		LIQUID SUBCOOLING (°F)	9	9	9	8	8	7	6
		SUCTION PRESSURE (PSIG)	101	114	125	134	143	148	152
		SUCTION TEMPERATURE (°F)	69	68	67	65	58	57	54
		SUCTION SUPERHEAT (°F)	37	30	24	18	8	5	0
		OUTDOOR UNIT CURRENT (A)	3.6	3.8	4.2	4.7	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.0	4.5	5.2	5.9
	INDOOR COIL DB TEMP DROP (°F)	20	21	22	23	23	23	22	
	600	LIQUID PRESSURE (PSIG)	189	222	260	302	349	400	455
		LIQUID TEMPERATURE (°F)	57	67	78	89	99	110	121
		LIQUID SUBCOOLING (°F)	9	9	9	8	8	7	6
		SUCTION PRESSURE (PSIG)	104	117	128	137	146	151	155
		SUCTION TEMPERATURE (°F)	72	71	70	68	61	60	56
		SUCTION SUPERHEAT (°F)	39	32	26	20	10	7	1
		OUTDOOR UNIT CURRENT (A)	3.6	3.8	4.2	4.7	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.0	4.5	5.2	5.9
	INDOOR COIL DB TEMP DROP (°F)	17	18	19	20	20	20	19	
	750	LIQUID PRESSURE (PSIG)	190	223	261	303	350	401	456
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	110	121
		LIQUID SUBCOOLING (°F)	9	9	9	8	8	7	6
		SUCTION PRESSURE (PSIG)	107	120	131	140	149	154	158
		SUCTION TEMPERATURE (°F)	76	75	73	71	65	63	59
		SUCTION SUPERHEAT (°F)	41	34	28	22	12	9	3
OUTDOOR UNIT CURRENT (A)		3.6	3.8	4.2	4.7	5.2	5.9	6.6	
COMPRESSOR CURRENT (A)		2.8	3.1	3.5	4.0	4.5	5.2	5.9	
INDOOR COIL DB TEMP DROP (°F)	14	15	16	17	17	17	16		
80/72	450	LIQUID PRESSURE (PSIG)	188	221	259	302	350	402	459
		LIQUID TEMPERATURE (°F)	57	67	77	88	98	109	119
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	8	8
		SUCTION PRESSURE (PSIG)	100	114	127	139	148	157	163
		SUCTION TEMPERATURE (°F)	71	71	72	71	69	66	63
		SUCTION SUPERHEAT (°F)	39	33	28	22	17	11	5
		OUTDOOR UNIT CURRENT (A)	3.6	3.9	4.2	4.7	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.0	4.5	5.2	5.9
	INDOOR COIL DB TEMP DROP (°F)	16	17	18	18	18	18	18	
	600	LIQUID PRESSURE (PSIG)	189	222	260	303	351	403	460
		LIQUID TEMPERATURE (°F)	57	67	78	88	98	109	119
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	8	8
		SUCTION PRESSURE (PSIG)	102	116	129	141	150	159	165
		SUCTION TEMPERATURE (°F)	74	74	75	73	72	69	65
		SUCTION SUPERHEAT (°F)	41	35	30	24	19	13	7
		OUTDOOR UNIT CURRENT (A)	3.6	3.9	4.2	4.7	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.0	4.5	5.2	5.9
	INDOOR COIL DB TEMP DROP (°F)	13	14	15	15	15	15	15	
	750	LIQUID PRESSURE (PSIG)	190	223	261	304	352	404	461
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	110	120
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	8	8
		SUCTION PRESSURE (PSIG)	104	118	131	143	152	161	167
		SUCTION TEMPERATURE (°F)	76	77	77	76	75	72	68
		SUCTION SUPERHEAT (°F)	43	37	32	26	21	15	9
OUTDOOR UNIT CURRENT (A)		3.6	3.9	4.2	4.7	5.2	5.9	6.6	
COMPRESSOR CURRENT (A)		2.8	3.1	3.5	4.0	4.5	5.2	5.9	
INDOOR COIL DB TEMP DROP (°F)	10	11	12	12	12	12	12		

FOR USE WITH MODELS WITH ORIFICE:

YCD24B21(S,H)

TC3B2421(S,H)

RAC13L24B21S

QC3B24B21S

YCD24B21(S,H)SUPERHEAT CHARGING CHART															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	94	99	104	109	114	119	124	129	134	139	144	149	154	159	164
	Suction Temperature (°F)														
55	56	62	69	..	..	..	..	..	..	..	..	..	..	..	..
60	..	51	58	66	..	..	..	..	..	..	..	..	..	..	..
65	..	..	49	56	65	76	..	..	..	..	..	..	..	..	..
70	..	..	..	49	57	66	77	..	..	..	..	..	..	..	..
75	..	..	..	42	49	57	67	78	..	..	..	..	..	..	..
80	..	..	..	..	42	50	58	67	77	..	..	..	..	..	..
85	..	..	..	..	..	43	51	59	67	..	..	..	..	..	..
90	..	..	..	..	..	..	45	53	60	67	..	..	..	..	..
95	..	..	..	..	..	..	..	47	54	59	66	..	..	..	..
100	..	..	..	..	..	..	..	..	50	55	60	65	..	..	..
105	..	..	..	..	..	..	..	..	49	51	56	60	64	..	..
110	..	..	..	..	..	..	..	..	..	51	55	58	60	63	..
115	..	..	..	..	..	..	..	..	..	..	53	55	58	60	61

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

## YCD24B21(S,H)W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	600	LIQUID PRESSURE (PSIG)	198	231	268	309	352	400	450
		LIQUID TEMPERATURE (°F)	58	70	82	93	103	115	126
		LIQUID SUBCOOLING (°F)	11	9	7	5	4	2	0
		SUCTION PRESSURE (PSIG)	99	107	114	121	128	134	140
		SUCTION TEMPERATURE (°F)	58	52	48	45	47	48	49
		SUCTION SUPERHEAT (°F)	27	17	10	4	3	1	0
		OUTDOOR UNIT CURRENT (A)	5.3	5.9	6.5	7.0	7.5	8.0	8.5
		COMPRESSOR CURRENT (A)	4.6	5.2	5.8	6.3	6.8	7.3	7.8
		INDOOR COIL DB TEMP DROP (°F)	26	26	26	25	24	23	20
	800	LIQUID PRESSURE (PSIG)	201	234	271	312	355	403	453
		LIQUID TEMPERATURE (°F)	58	70	81	93	103	114	125
		LIQUID SUBCOOLING (°F)	12	10	8	6	5	3	1
		SUCTION PRESSURE (PSIG)	102	110	117	124	131	137	143
		SUCTION TEMPERATURE (°F)	63	56	52	50	51	52	53
		SUCTION SUPERHEAT (°F)	30	20	13	7	6	4	3
		OUTDOOR UNIT CURRENT (A)	5.4	6.0	6.6	7.1	7.6	8.1	8.6
		COMPRESSOR CURRENT (A)	4.7	5.3	5.9	6.4	6.9	7.4	7.9
		INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	21	20	17
	1000	LIQUID PRESSURE (PSIG)	204	237	274	315	358	406	456
		LIQUID TEMPERATURE (°F)	58	69	81	93	103	114	125
		LIQUID SUBCOOLING (°F)	13	11	9	7	6	4	2
		SUCTION PRESSURE (PSIG)	105	113	120	127	134	140	146
		SUCTION TEMPERATURE (°F)	67	61	57	54	56	56	57
		SUCTION SUPERHEAT (°F)	33	23	16	10	9	7	6
OUTDOOR UNIT CURRENT (A)		5.5	6.1	6.7	7.2	7.7	8.2	8.7	
COMPRESSOR CURRENT (A)		4.8	5.4	6.0	6.5	7.0	7.5	8.0	
INDOOR COIL DB TEMP DROP (°F)		20	20	20	19	18	17	14	

Continued on next page.

## YCD24B21(S,H)W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	600	LIQUID PRESSURE (PSIG)	192	225	263	304	350	400	455
		LIQUID TEMPERATURE (°F)	60	72	83	95	106	117	127
		LIQUID SUBCOOLING (°F)	7	5	4	2	1	0	0
		SUCTION PRESSURE (PSIG)	93	101	108	117	125	133	142
		SUCTION TEMPERATURE (°F)	53	45	42	41	43	46	50
		SUCTION SUPERHEAT (°F)	25	13	7	2	0	0	0
		OUTDOOR UNIT CURRENT (A)	5.3	5.9	6.4	7.0	7.5	8.1	8.6
		COMPRESSOR CURRENT (A)	4.6	5.2	5.7	6.3	6.8	7.4	7.9
	INDOOR COIL DB TEMP DROP (°F)	34	33	32	31	29	27	24	
	800	LIQUID PRESSURE (PSIG)	196	229	267	308	354	404	459
		LIQUID TEMPERATURE (°F)	60	71	82	94	105	116	126
		LIQUID SUBCOOLING (°F)	9	7	6	4	3	2	1
		SUCTION PRESSURE (PSIG)	98	106	113	122	130	138	147
		SUCTION TEMPERATURE (°F)	61	52	50	49	48	50	53
		SUCTION SUPERHEAT (°F)	30	18	12	7	3	2	1
		OUTDOOR UNIT CURRENT (A)	5.4	6.0	6.5	7.1	7.6	8.2	8.7
		COMPRESSOR CURRENT (A)	4.7	5.3	5.8	6.4	6.9	7.5	8.0
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	25	23	20	
	1000	LIQUID PRESSURE (PSIG)	200	233	271	312	358	408	463
		LIQUID TEMPERATURE (°F)	59	70	81	93	104	114	125
		LIQUID SUBCOOLING (°F)	11	9	8	6	5	4	3
		SUCTION PRESSURE (PSIG)	103	111	118	127	135	143	152
		SUCTION TEMPERATURE (°F)	68	60	57	56	55	57	60
		SUCTION SUPERHEAT (°F)	35	23	17	12	8	7	6
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	6.6	7.2	7.7	8.3	8.8
		COMPRESSOR CURRENT (A)	4.8	5.4	5.9	6.5	7.0	7.6	8.1
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	21	19	16	
	80/62	600	LIQUID PRESSURE (PSIG)	199	233	271	312	356	404
LIQUID TEMPERATURE (°F)			58	70	82	94	104	116	127
LIQUID SUBCOOLING (°F)			11	9	7	5	4	2	0
SUCTION PRESSURE (PSIG)			99	107	114	121	128	135	141
SUCTION TEMPERATURE (°F)			60	54	49	45	44	47	49
SUCTION SUPERHEAT (°F)			29	19	11	4	0	0	0
OUTDOOR UNIT CURRENT (A)			5.3	5.9	6.5	7.0	7.6	8.1	8.6
COMPRESSOR CURRENT (A)			4.6	5.2	5.8	6.3	6.9	7.4	7.9
INDOOR COIL DB TEMP DROP (°F)		30	30	30	30	29	27	25	
800		LIQUID PRESSURE (PSIG)	202	236	274	315	359	407	458
		LIQUID TEMPERATURE (°F)	58	70	82	94	104	115	126
		LIQUID SUBCOOLING (°F)	12	10	8	6	5	3	1
		SUCTION PRESSURE (PSIG)	103	111	118	125	132	139	145
		SUCTION TEMPERATURE (°F)	65	59	54	50	49	50	52
		SUCTION SUPERHEAT (°F)	32	22	14	7	3	1	1
		OUTDOOR UNIT CURRENT (A)	5.4	6.0	6.6	7.1	7.7	8.2	8.7
		COMPRESSOR CURRENT (A)	4.7	5.3	5.9	6.4	7.0	7.5	8.0
INDOOR COIL DB TEMP DROP (°F)		26	26	26	26	25	23	21	
1000		LIQUID PRESSURE (PSIG)	205	239	277	318	362	410	461
		LIQUID TEMPERATURE (°F)	58	70	82	93	103	115	126
		LIQUID SUBCOOLING (°F)	13	11	9	7	6	4	2
		SUCTION PRESSURE (PSIG)	107	115	122	129	136	143	149
		SUCTION TEMPERATURE (°F)	71	65	60	56	54	55	58
		SUCTION SUPERHEAT (°F)	36	26	18	11	7	5	5
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	6.7	7.2	7.8	8.3	8.8
		COMPRESSOR CURRENT (A)	4.8	5.4	6.0	6.5	7.1	7.6	8.1
INDOOR COIL DB TEMP DROP (°F)		22	22	22	22	21	19	17	

Continued on next page.

## YCD24B21(S,H)W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	600	LIQUID PRESSURE (PSIG)	201	237	276	318	363	411	463
		LIQUID TEMPERATURE (°F)	58	69	81	91	103	115	127
		LIQUID SUBCOOLING (°F)	12	11	10	9	7	4	1
		SUCTION PRESSURE (PSIG)	102	112	125	133	139	143	150
		SUCTION TEMPERATURE (°F)	66	62	66	63	58	52	53
		SUCTION SUPERHEAT (°F)	33	25	23	17	9	2	0
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	6.7	7.3	7.9	8.4	9.0
		COMPRESSOR CURRENT (A)	4.8	5.4	6.0	6.6	7.2	7.7	8.3
	INDOOR COIL DB TEMP DROP (°F)	24	25	25	25	24	23	22	
	800	LIQUID PRESSURE (PSIG)	204	240	279	321	366	414	466
		LIQUID TEMPERATURE (°F)	58	69	80	91	102	114	126
		LIQUID SUBCOOLING (°F)	13	12	11	10	8	5	2
		SUCTION PRESSURE (PSIG)	105	115	128	136	142	146	153
		SUCTION TEMPERATURE (°F)	70	67	70	67	62	56	55
		SUCTION SUPERHEAT (°F)	36	28	26	20	12	5	1
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	6.7	7.3	7.9	8.4	9.0
		COMPRESSOR CURRENT (A)	4.8	5.4	6.0	6.6	7.2	7.7	8.3
	INDOOR COIL DB TEMP DROP (°F)	21	22	22	22	21	20	19	
	1000	LIQUID PRESSURE (PSIG)	207	243	282	324	369	417	469
		LIQUID TEMPERATURE (°F)	58	69	80	91	102	114	126
		LIQUID SUBCOOLING (°F)	14	13	12	11	9	6	3
		SUCTION PRESSURE (PSIG)	108	118	131	139	145	149	156
		SUCTION TEMPERATURE (°F)	74	71	74	72	66	61	59
		SUCTION SUPERHEAT (°F)	39	31	29	23	15	8	4
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	6.7	7.3	7.9	8.4	9.0
		COMPRESSOR CURRENT (A)	4.8	5.4	6.0	6.6	7.2	7.7	8.3
	INDOOR COIL DB TEMP DROP (°F)	18	19	19	19	18	17	16	
	80/72	600	LIQUID PRESSURE (PSIG)	205	239	278	320	367	418
LIQUID TEMPERATURE (°F)			58	69	79	90	101	113	124
LIQUID SUBCOOLING (°F)			13	12	12	11	9	7	5
SUCTION PRESSURE (PSIG)			104	115	125	135	144	152	161
SUCTION TEMPERATURE (°F)			70	71	70	68	66	62	58
SUCTION SUPERHEAT (°F)			37	32	27	21	15	8	1
OUTDOOR UNIT CURRENT (A)			5.5	6.1	6.7	7.3	8.0	8.6	9.3
COMPRESSOR CURRENT (A)			4.8	5.4	6.0	6.6	7.3	7.9	8.6
INDOOR COIL DB TEMP DROP (°F)		20	20	20	20	20	19	18	
800		LIQUID PRESSURE (PSIG)	207	241	280	322	369	420	474
		LIQUID TEMPERATURE (°F)	58	69	78	89	101	113	124
		LIQUID SUBCOOLING (°F)	14	13	13	12	10	8	6
		SUCTION PRESSURE (PSIG)	106	117	127	137	146	154	163
		SUCTION TEMPERATURE (°F)	73	73	73	71	68	64	61
		SUCTION SUPERHEAT (°F)	39	34	29	23	17	10	3
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	6.7	7.3	8.0	8.6	9.3
		COMPRESSOR CURRENT (A)	4.8	5.4	6.0	6.6	7.3	7.9	8.6
INDOOR COIL DB TEMP DROP (°F)		17	17	17	17	17	16	15	
1000		LIQUID PRESSURE (PSIG)	209	243	282	324	371	422	476
		LIQUID TEMPERATURE (°F)	58	68	78	89	100	112	123
		LIQUID SUBCOOLING (°F)	15	14	14	13	11	9	7
		SUCTION PRESSURE (PSIG)	108	119	129	139	148	156	165
		SUCTION TEMPERATURE (°F)	76	76	76	74	71	67	63
		SUCTION SUPERHEAT (°F)	41	36	31	25	19	12	5
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	6.7	7.3	8.0	8.6	9.3
		COMPRESSOR CURRENT (A)	4.8	5.4	6.0	6.6	7.3	7.9	8.6
INDOOR COIL DB TEMP DROP (°F)		14	14	14	14	14	13	12	

FOR USE WITH MODELS WITH ORIFICE:

**YCD24B22S**

**TC3B2422S**

**RAC13L24B22S**

**QC3B24B22S**

YCD24B22S SUPERHEAT CHARGING CHART															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	94	99	103	108	113	118	122	127	132	136	141	146	151	155	160
	Suction Temperature (°F)														
55	56	59	61	65	72	..	..	..	..	..	..	..	..	..	..
60	..	55	59	63	68	73	..	..	..	..	..	..	..	..	..
65	..	..	54	58	63	68	73	..	..	..	..	..	..	..	..
70	..	..	..	53	57	63	67	74	..	..	..	..	..	..	..
75	..	..	..	49	53	57	62	68	..	..	..	..	..	..	..
80	..	..	..	..	49	53	57	63	68	..	..	..	..	..	..
85	..	..	..	..	..	49	52	57	63	67	..	..	..	..	..
90	..	..	..	..	..	46	49	53	57	62	67	..	..	..	..
95	..	..	..	..	..	..	46	50	54	57	58	63	..	..	..
100	..	..	..	..	..	..	..	47	51	54	57	62	..	..	..
105	..	..	..	..	..	..	..	..	48	52	56	60	65	..	..
110	..	..	..	..	..	..	..	..	47	50	54	58	63	67	..
115	..	..	..	..	..	..	..	..	..	49	50	56	60	63	68

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YCD24B22S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	600	LIQUID PRESSURE (PSIG)	202	237	275	318	365	416	472
		LIQUID TEMPERATURE (°F)	57	69	80	90	101	112	121
		LIQUID SUBCOOLING (°F)	13	11	10	10	9	8	8
		SUCTION PRESSURE (PSIG)	101	110	118	124	129	132	138
		SUCTION TEMPERATURE (°F)	60	56	53	50	48	46	48
		SUCTION SUPERHEAT (°F)	28	20	13	7	3	0	0
		OUTDOOR UNIT CURRENT (A)	4.7	5.2	5.9	6.6	7.5	8.5	9.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.2	5.9	6.8	7.8	9.0
		INDOOR COIL DB TEMP DROP (°F)	22	23	24	24	24	23	22
	800	LIQUID PRESSURE (PSIG)	204	239	277	320	367	418	474
		LIQUID TEMPERATURE (°F)	57	69	80	90	100	111	121
		LIQUID SUBCOOLING (°F)	14	12	11	11	10	9	9
		SUCTION PRESSURE (PSIG)	104	113	121	127	132	135	141
		SUCTION TEMPERATURE (°F)	64	61	57	54	52	50	48
		SUCTION SUPERHEAT (°F)	31	23	16	10	6	3	0
		OUTDOOR UNIT CURRENT (A)	4.7	5.2	5.9	6.6	7.5	8.5	9.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.2	5.9	6.8	7.8	9.0
		INDOOR COIL DB TEMP DROP (°F)	19	20	21	21	21	20	19
	1000	LIQUID PRESSURE (PSIG)	206	241	279	322	369	420	476
		LIQUID TEMPERATURE (°F)	57	69	79	89	100	111	120
		LIQUID SUBCOOLING (°F)	15	13	12	12	11	10	10
		SUCTION PRESSURE (PSIG)	107	116	124	130	135	138	144
		SUCTION TEMPERATURE (°F)	69	65	62	58	56	54	54
		SUCTION SUPERHEAT (°F)	34	26	19	13	9	6	3
OUTDOOR UNIT CURRENT (A)		4.7	5.2	5.9	6.6	7.5	8.5	9.6	
COMPRESSOR CURRENT (A)		4.0	4.5	5.2	5.9	6.8	7.8	9.0	
INDOOR COIL DB TEMP DROP (°F)		16	17	18	18	18	17	16	

Continued on next page.

## YCD24B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	600	LIQUID PRESSURE (PSIG)	198	232	271	314	362	415	472
		LIQUID TEMPERATURE (°F)	57	68	79	89	100	111	121
		LIQUID SUBCOOLING (°F)	12	11	10	10	9	9	8
		SUCTION PRESSURE (PSIG)	98	100	107	114	121	127	133
		SUCTION TEMPERATURE (°F)	56	52	48	46	44	44	46
		SUCTION SUPERHEAT (°F)	25	20	13	8	3	0	0
		OUTDOOR UNIT CURRENT (A)	4.7	5.2	5.9	6.6	7.5	8.5	9.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.2	5.9	6.8	7.8	8.9
	INDOOR COIL DB TEMP DROP (°F)	30	31	31	31	30	29	28	
	800	LIQUID PRESSURE (PSIG)	201	235	274	317	365	418	475
		LIQUID TEMPERATURE (°F)	57	68	79	89	100	110	121
		LIQUID SUBCOOLING (°F)	13	12	11	11	10	10	9
		SUCTION PRESSURE (PSIG)	104	106	113	120	127	133	139
		SUCTION TEMPERATURE (°F)	63	58	55	53	51	50	51
		SUCTION SUPERHEAT (°F)	29	24	17	12	7	4	2
		OUTDOOR UNIT CURRENT (A)	4.7	5.2	5.9	6.6	7.5	8.5	9.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.2	5.9	6.8	7.8	8.9
	INDOOR COIL DB TEMP DROP (°F)	25	26	26	26	25	24	23	
	1000	LIQUID PRESSURE (PSIG)	204	238	277	320	368	421	478
		LIQUID TEMPERATURE (°F)	57	68	79	89	100	110	120
		LIQUID SUBCOOLING (°F)	14	13	12	12	11	11	10
		SUCTION PRESSURE (PSIG)	110	112	119	126	133	139	145
		SUCTION TEMPERATURE (°F)	70	66	62	60	58	58	58
		SUCTION SUPERHEAT (°F)	34	29	22	17	12	9	7
		OUTDOOR UNIT CURRENT (A)	4.7	5.2	5.9	6.6	7.5	8.5	9.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.2	5.9	6.8	7.8	8.9
	INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	20	19	18	
	80/62	600	LIQUID PRESSURE (PSIG)	202	237	275	318	365	417
LIQUID TEMPERATURE (°F)			57	68	79	90	101	112	122
LIQUID SUBCOOLING (°F)			13	12	11	10	9	8	7
SUCTION PRESSURE (PSIG)			102	109	115	121	126	131	135
SUCTION TEMPERATURE (°F)			63	59	56	52	50	48	47
SUCTION SUPERHEAT (°F)			30	23	17	11	7	3	0
OUTDOOR UNIT CURRENT (A)			4.7	5.2	5.9	6.6	7.5	8.5	9.6
COMPRESSOR CURRENT (A)			4.0	4.5	5.2	5.9	6.8	7.8	8.9
INDOOR COIL DB TEMP DROP (°F)		26	27	27	27	27	27	26	
800		LIQUID PRESSURE (PSIG)	204	239	277	320	367	419	474
		LIQUID TEMPERATURE (°F)	57	68	79	90	100	111	122
		LIQUID SUBCOOLING (°F)	14	13	12	11	10	9	8
		SUCTION PRESSURE (PSIG)	107	114	120	126	131	136	140
		SUCTION TEMPERATURE (°F)	67	63	60	56	54	52	51
		SUCTION SUPERHEAT (°F)	32	25	19	13	9	5	2
		OUTDOOR UNIT CURRENT (A)	4.7	5.2	5.9	6.6	7.5	8.5	9.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.2	5.9	6.8	7.8	8.9
INDOOR COIL DB TEMP DROP (°F)		23	24	24	24	24	24	23	
1000		LIQUID PRESSURE (PSIG)	206	241	279	322	369	421	476
		LIQUID TEMPERATURE (°F)	57	68	78	89	100	111	121
		LIQUID SUBCOOLING (°F)	15	14	13	12	11	10	9
		SUCTION PRESSURE (PSIG)	112	119	125	131	136	141	145
		SUCTION TEMPERATURE (°F)	71	67	64	60	58	56	55
		SUCTION SUPERHEAT (°F)	34	27	21	15	11	7	4
		OUTDOOR UNIT CURRENT (A)	4.7	5.2	5.9	6.6	7.5	8.5	9.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.2	5.9	6.8	7.8	8.9
INDOOR COIL DB TEMP DROP (°F)		20	21	21	21	21	21	20	

Continued on next page.



## YCD24B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	600	LIQUID PRESSURE (PSIG)	205	240	279	323	371	424	480
		LIQUID TEMPERATURE (°F)	58	68	79	89	100	110	121
		LIQUID SUBCOOLING (°F)	13	13	12	12	11	11	10
		SUCTION PRESSURE (PSIG)	106	114	121	129	139	139	144
		SUCTION TEMPERATURE (°F)	66	65	63	62	57	56	53
		SUCTION SUPERHEAT (°F)	32	27	22	17	8	7	2
		OUTDOOR UNIT CURRENT (A)	4.7	5.3	5.9	6.7	7.6	8.6	9.7
		COMPRESSOR CURRENT (A)	4.0	4.5	5.2	6.0	6.9	7.9	9.0
	INDOOR COIL DB TEMP DROP (°F)	21	23	23	24	23	23	22	
	800	LIQUID PRESSURE (PSIG)	207	242	281	325	373	426	482
		LIQUID TEMPERATURE (°F)	58	68	79	89	100	110	120
		LIQUID SUBCOOLING (°F)	14	14	13	13	12	12	11
		SUCTION PRESSURE (PSIG)	110	118	125	133	143	143	148
		SUCTION TEMPERATURE (°F)	70	69	67	66	60	59	56
		SUCTION SUPERHEAT (°F)	34	29	24	19	10	9	4
		OUTDOOR UNIT CURRENT (A)	4.7	5.3	5.9	6.7	7.6	8.6	9.7
		COMPRESSOR CURRENT (A)	4.0	4.5	5.2	6.0	6.9	7.9	9.0
	INDOOR COIL DB TEMP DROP (°F)	18	20	20	21	20	20	19	
	1000	LIQUID PRESSURE (PSIG)	209	244	283	327	375	428	484
		LIQUID TEMPERATURE (°F)	58	67	78	88	99	109	119
		LIQUID SUBCOOLING (°F)	15	15	14	14	13	13	12
		SUCTION PRESSURE (PSIG)	114	122	129	137	147	147	152
		SUCTION TEMPERATURE (°F)	75	74	72	70	65	64	61
		SUCTION SUPERHEAT (°F)	37	32	27	22	13	12	7
		OUTDOOR UNIT CURRENT (A)	4.7	5.3	5.9	6.7	7.6	8.6	9.7
		COMPRESSOR CURRENT (A)	4.0	4.5	5.2	6.0	6.9	7.9	9.0
	INDOOR COIL DB TEMP DROP (°F)	15	17	17	18	17	17	16	
	80/72	600	LIQUID PRESSURE (PSIG)	208	243	283	327	376	430
LIQUID TEMPERATURE (°F)			58	68	79	89	100	110	120
LIQUID SUBCOOLING (°F)			14	14	13	13	12	12	12
SUCTION PRESSURE (PSIG)			112	120	128	135	143	150	157
SUCTION TEMPERATURE (°F)			67	69	69	68	67	65	62
SUCTION SUPERHEAT (°F)			30	28	25	21	17	12	7
OUTDOOR UNIT CURRENT (A)			4.7	5.3	5.9	6.7	7.6	8.6	9.8
COMPRESSOR CURRENT (A)			4.0	4.6	5.2	6.0	6.9	7.9	9.1
INDOOR COIL DB TEMP DROP (°F)		18	18	18	19	19	18	18	
800		LIQUID PRESSURE (PSIG)	210	245	285	329	378	432	490
		LIQUID TEMPERATURE (°F)	58	68	79	89	100	110	119
		LIQUID SUBCOOLING (°F)	15	15	14	14	13	13	13
		SUCTION PRESSURE (PSIG)	114	122	130	137	145	152	159
		SUCTION TEMPERATURE (°F)	71	73	73	72	71	69	66
		SUCTION SUPERHEAT (°F)	33	31	28	24	20	15	10
		OUTDOOR UNIT CURRENT (A)	4.7	5.3	5.9	6.7	7.6	8.6	9.8
		COMPRESSOR CURRENT (A)	4.0	4.6	5.2	6.0	6.9	7.9	9.1
INDOOR COIL DB TEMP DROP (°F)		15	15	15	16	16	15	15	
1000		LIQUID PRESSURE (PSIG)	212	247	287	331	380	434	492
		LIQUID TEMPERATURE (°F)	57	67	78	88	99	109	119
		LIQUID SUBCOOLING (°F)	16	16	15	15	14	14	14
		SUCTION PRESSURE (PSIG)	116	124	132	139	147	154	161
		SUCTION TEMPERATURE (°F)	75	77	77	76	75	72	70
		SUCTION SUPERHEAT (°F)	36	34	31	27	23	18	13
		OUTDOOR UNIT CURRENT (A)	4.7	5.3	5.9	6.7	7.6	8.6	9.8
		COMPRESSOR CURRENT (A)	4.0	4.6	5.2	6.0	6.9	7.9	9.1
INDOOR COIL DB TEMP DROP (°F)		12	12	12	13	13	12	12	

FOR USE WITH MODELS WITH ORIFICE:

YCD24B23S

TC3B2423S

RAC13L24B24S

QC3B24B23S

YCD24B22S SUPERHEAT CHARGING CHART															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	103	107	112	116	121	125	130	134	138	143	147	152	156	161	165
Suction Temperature (°F)															
55	59	64	67	69	74	..	..	..	..	..	..	..	..	..	..
60	..	60	62	65	70	73	..	..	..	..	..	..	..	..	..
65	..	..	57	60	63	67	72	..	..	..	..	..	..	..	..
70	..	..	51	54	58	63	66	71	77	..	..	..	..	..	..
75	..	..	..	50	54	58	62	66	71	..	..	..	..	..	..
80	..	..	..	..	49	53	58	65	69	71	..	..	..	..	..
85	..	..	..	..	45	49	54	61	64	66	71	..	..	..	..
90	..	..	..	..	..	46	50	55	59	63	67	71	..	..	..
95	..	..	..	..	..	45	47	51	54	59	62	67	71	..	..
100	..	..	..	..	..	..	47	50	52	56	59	63	67	..	..
105	..	..	..	..	..	..	46	48	49	53	56	60	63	68	..
110	..	..	..	..	..	..	..	48	49	52	54	58	61	65	..
115	..	..	..	..	..	..	..	..	49	51	53	56	59	62	65

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

## YCD24B22S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	600	LIQUID PRESSURE (PSIG)	203	237	274	316	361	409	462
		LIQUID TEMPERATURE (°F)	58	68	80	92	102	114	126
		LIQUID SUBCOOLING (°F)	13	12	10	8	7	5	2
		SUCTION PRESSURE (PSIG)	110	115	120	125	129	132	137
		SUCTION TEMPERATURE (°F)	58	53	49	46	46	46	48
		SUCTION SUPERHEAT (°F)	22	14	8	3	1	0	0
		OUTDOOR UNIT CURRENT (A)	5.0	5.5	6.2	6.9	7.7	8.5	9.4
		COMPRESSOR CURRENT (A)	4.2	4.8	5.5	6.2	7.0	7.8	8.7
		INDOOR COIL DB TEMP DROP (°F)	25	25	25	25	25	24	23
	800	LIQUID PRESSURE (PSIG)	205	239	276	318	363	411	464
		LIQUID TEMPERATURE (°F)	57	68	80	91	102	113	125
		LIQUID SUBCOOLING (°F)	14	13	11	9	8	6	3
		SUCTION PRESSURE (PSIG)	114	119	124	129	133	136	141
		SUCTION TEMPERATURE (°F)	62	56	53	50	50	50	50
		SUCTION SUPERHEAT (°F)	24	16	10	5	2	0	0
		OUTDOOR UNIT CURRENT (A)	5.0	5.5	6.2	6.9	7.7	8.5	9.4
		COMPRESSOR CURRENT (A)	4.2	4.8	5.5	6.2	7.0	7.8	8.7
		INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	22	21	20
	1000	LIQUID PRESSURE (PSIG)	207	241	278	320	365	413	466
		LIQUID TEMPERATURE (°F)	57	68	79	91	101	112	124
		LIQUID SUBCOOLING (°F)	15	14	12	10	9	7	4
		SUCTION PRESSURE (PSIG)	118	123	128	133	137	140	145
		SUCTION TEMPERATURE (°F)	66	60	56	53	52	51	53
		SUCTION SUPERHEAT (°F)	26	18	12	7	4	2	2
OUTDOOR UNIT CURRENT (A)		5.0	5.5	6.2	6.9	7.7	8.5	9.4	
COMPRESSOR CURRENT (A)		4.2	4.8	5.5	6.2	7.0	7.8	8.7	
INDOOR COIL DB TEMP DROP (°F)		19	19	19	19	19	18	17	

Continued on next page.

## YCD24B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	600	LIQUID PRESSURE (PSIG)	200	233	271	312	359	409	464
		LIQUID TEMPERATURE (°F)	58	69	81	93	104	116	126
		LIQUID SUBCOOLING (°F)	12	10	8	6	5	3	2
		SUCTION PRESSURE (PSIG)	100	106	113	119	124	130	135
		SUCTION TEMPERATURE (°F)	57	51	48	44	44	45	47
		SUCTION SUPERHEAT (°F)	25	17	10	4	1	0	0
		OUTDOOR UNIT CURRENT (A)	5.0	5.6	6.2	7.0	7.7	8.6	9.5
		COMPRESSOR CURRENT (A)	4.3	4.8	5.5	6.2	7.0	7.9	8.8
	INDOOR COIL DB TEMP DROP (°F)	34	34	33	32	31	30	28	
	800	LIQUID PRESSURE (PSIG)	204	237	275	316	363	413	468
		LIQUID TEMPERATURE (°F)	57	68	80	92	103	114	125
		LIQUID SUBCOOLING (°F)	14	12	10	8	7	5	4
		SUCTION PRESSURE (PSIG)	107	113	120	126	131	137	142
		SUCTION TEMPERATURE (°F)	65	60	56	52	49	49	50
		SUCTION SUPERHEAT (°F)	30	22	15	9	4	1	0
		OUTDOOR UNIT CURRENT (A)	5.0	5.6	6.2	7.0	7.7	8.6	9.5
		COMPRESSOR CURRENT (A)	4.3	4.8	5.5	6.2	7.0	7.9	8.8
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	26	25	23	
	1000	LIQUID PRESSURE (PSIG)	208	241	279	320	367	417	472
		LIQUID TEMPERATURE (°F)	56	68	79	91	101	113	123
		LIQUID SUBCOOLING (°F)	16	14	12	10	9	7	6
		SUCTION PRESSURE (PSIG)	114	120	127	133	138	144	149
		SUCTION TEMPERATURE (°F)	73	68	64	60	57	57	58
		SUCTION SUPERHEAT (°F)	35	27	20	14	9	6	5
		OUTDOOR UNIT CURRENT (A)	5.0	5.6	6.2	7.0	7.7	8.6	9.5
		COMPRESSOR CURRENT (A)	4.3	4.8	5.5	6.2	7.0	7.9	8.8
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	20	18	
	80/62	600	LIQUID PRESSURE (PSIG)	205	238	276	317	363	413
LIQUID TEMPERATURE (°F)			56	68	80	90	102	113	124
LIQUID SUBCOOLING (°F)			15	13	11	10	8	6	4
SUCTION PRESSURE (PSIG)			112	118	123	128	132	137	141
SUCTION TEMPERATURE (°F)			62	57	53	50	48	48	49
SUCTION SUPERHEAT (°F)			25	17	11	6	2	0	0
OUTDOOR UNIT CURRENT (A)			4.9	5.5	6.2	6.9	7.7	8.6	9.5
COMPRESSOR CURRENT (A)			4.2	4.8	5.5	6.2	7.0	7.9	8.8
INDOOR COIL DB TEMP DROP (°F)		27	28	28	28	27	26	25	
800		LIQUID PRESSURE (PSIG)	206	239	277	318	364	414	467
		LIQUID TEMPERATURE (°F)	57	68	80	90	102	113	125
		LIQUID SUBCOOLING (°F)	15	13	11	10	8	6	4
		SUCTION PRESSURE (PSIG)	114	120	125	130	134	139	143
		SUCTION TEMPERATURE (°F)	65	60	56	53	51	50	50
		SUCTION SUPERHEAT (°F)	27	19	13	8	4	1	0
		OUTDOOR UNIT CURRENT (A)	4.9	5.5	6.2	6.9	7.7	8.6	9.5
		COMPRESSOR CURRENT (A)	4.2	4.8	5.5	6.2	7.0	7.9	8.8
INDOOR COIL DB TEMP DROP (°F)		25	26	26	26	25	24	23	
1000		LIQUID PRESSURE (PSIG)	207	240	278	319	365	415	468
		LIQUID TEMPERATURE (°F)	57	68	80	90	102	114	125
		LIQUID SUBCOOLING (°F)	15	13	11	10	8	6	4
		SUCTION PRESSURE (PSIG)	116	122	127	132	136	141	145
		SUCTION TEMPERATURE (°F)	68	63	59	56	53	52	53
		SUCTION SUPERHEAT (°F)	29	21	15	10	6	3	2
		OUTDOOR UNIT CURRENT (A)	4.9	5.5	6.2	6.9	7.7	8.6	9.5
		COMPRESSOR CURRENT (A)	4.2	4.8	5.5	6.2	7.0	7.9	8.8
INDOOR COIL DB TEMP DROP (°F)		23	24	24	24	23	22	21	

Continued on next page.

## YCD24B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	600	LIQUID PRESSURE (PSIG)	207	241	279	322	368	418	471
		LIQUID TEMPERATURE (°F)	58	69	79	90	102	113	124
		LIQUID SUBCOOLING (°F)	14	13	12	11	9	7	5
		SUCTION PRESSURE (PSIG)	113	121	128	134	139	143	146
		SUCTION TEMPERATURE (°F)	66	62	59	56	55	50	51
		SUCTION SUPERHEAT (°F)	28	21	15	9	6	0	0
		OUTDOOR UNIT CURRENT (A)	4.9	5.5	6.2	6.9	7.7	8.6	9.6
		COMPRESSOR CURRENT (A)	4.2	4.8	5.4	6.2	7.0	7.9	8.9
	INDOOR COIL DB TEMP DROP (°F)	24	24	25	25	24	24	23	
	800	LIQUID PRESSURE (PSIG)	209	243	281	324	370	420	473
		LIQUID TEMPERATURE (°F)	58	68	79	90	101	113	124
		LIQUID SUBCOOLING (°F)	15	14	13	12	10	8	6
		SUCTION PRESSURE (PSIG)	117	125	132	138	143	147	150
		SUCTION TEMPERATURE (°F)	70	67	64	60	59	55	53
		SUCTION SUPERHEAT (°F)	31	24	18	12	9	3	0
		OUTDOOR UNIT CURRENT (A)	4.9	5.5	6.2	6.9	7.7	8.6	9.6
		COMPRESSOR CURRENT (A)	4.2	4.8	5.4	6.2	7.0	7.9	8.9
	INDOOR COIL DB TEMP DROP (°F)	21	21	22	22	21	21	20	
	1000	LIQUID PRESSURE (PSIG)	211	245	283	326	372	422	475
		LIQUID TEMPERATURE (°F)	57	68	78	89	100	112	123
		LIQUID SUBCOOLING (°F)	16	15	14	13	11	9	7
		SUCTION PRESSURE (PSIG)	121	129	136	142	147	151	154
		SUCTION TEMPERATURE (°F)	75	72	68	65	64	59	57
		SUCTION SUPERHEAT (°F)	34	27	21	15	12	6	3
OUTDOOR UNIT CURRENT (A)		4.9	5.5	6.2	6.9	7.7	8.6	9.6	
COMPRESSOR CURRENT (A)		4.2	4.8	5.4	6.2	7.0	7.9	8.9	
INDOOR COIL DB TEMP DROP (°F)	18	18	19	19	18	18	17		
80/72	600	LIQUID PRESSURE (PSIG)	213	246	284	327	373	424	480
		LIQUID TEMPERATURE (°F)	58	68	79	90	101	112	123
		LIQUID SUBCOOLING (°F)	16	15	13	12	11	9	8
		SUCTION PRESSURE (PSIG)	117	127	136	144	150	155	159
		SUCTION TEMPERATURE (°F)	70	70	68	67	65	63	60
		SUCTION SUPERHEAT (°F)	31	26	21	16	12	8	4
		OUTDOOR UNIT CURRENT (A)	5.1	5.6	6.2	6.9	7.8	8.7	9.7
		COMPRESSOR CURRENT (A)	4.3	4.8	5.5	6.2	7.0	8.0	9.0
	INDOOR COIL DB TEMP DROP (°F)	18	19	19	19	19	19	18	
	800	LIQUID PRESSURE (PSIG)	215	248	286	329	375	426	482
		LIQUID TEMPERATURE (°F)	57	67	79	90	100	112	122
		LIQUID SUBCOOLING (°F)	17	16	14	13	12	10	9
		SUCTION PRESSURE (PSIG)	120	130	139	147	153	158	162
		SUCTION TEMPERATURE (°F)	74	73	72	70	68	66	63
		SUCTION SUPERHEAT (°F)	33	28	23	18	14	10	6
		OUTDOOR UNIT CURRENT (A)	5.1	5.6	6.2	6.9	7.8	8.7	9.7
		COMPRESSOR CURRENT (A)	4.3	4.8	5.5	6.2	7.0	8.0	9.0
	INDOOR COIL DB TEMP DROP (°F)	15	16	16	16	16	16	15	
	1000	LIQUID PRESSURE (PSIG)	217	250	288	331	377	428	484
		LIQUID TEMPERATURE (°F)	57	67	78	89	99	111	121
		LIQUID SUBCOOLING (°F)	18	17	15	14	13	11	10
		SUCTION PRESSURE (PSIG)	123	133	142	150	156	161	165
		SUCTION TEMPERATURE (°F)	77	76	75	73	71	69	66
		SUCTION SUPERHEAT (°F)	35	30	25	20	16	12	8
OUTDOOR UNIT CURRENT (A)		5.1	5.6	6.2	6.9	7.8	8.7	9.7	
COMPRESSOR CURRENT (A)		4.3	4.8	5.5	6.2	7.0	8.0	9.0	
INDOOR COIL DB TEMP DROP (°F)	12	13	13	13	13	13	12		

FOR USE WITH MODELS WITH ORIFICE:

**YCD30B21(S,H)**

**TC3B3021(S,H)**

**RAC13L30B21S**

**QC3B30B21S**

YCD30B21(S,H) Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	99	104	109	114	119	124	129	134	138	143	148	153	158	163	168
	Suction Temperature (°F)														
55	59	63	67	69	..	..	..	..	..	..	..	..	..	..	..
60	..	54	58	63	69	..	..	..	..	..	..	..	..	..	..
65	..	..	52	57	63	69	..	..	..	..	..	..	..	..	..
70	..	..	..	52	57	63	70	..	..	..	..	..	..	..	..
75	..	..	..	48	52	57	63	70	..	..	..	..	..	..	..
80	..	..	..	..	48	54	60	66	69	..	..	..	..	..	..
85	..	..	..	..	..	48	55	61	66	69	..	..	..	..	..
90	..	..	..	..	..	..	50	55	59	64	70	..	..	..	..
95	..	..	..	..	..	..	..	51	54	57	62	70	..	..	..
100	..	..	..	..	..	..	..	49	52	57	61	65	70	..	..
105	..	..	..	..	..	..	..	..	50	54	59	62	66	..	..
110	..	..	..	..	..	..	..	..	..	53	57	60	63	66	..
115	..	..	..	..	..	..	..	..	..	53	57	59	62	64	65

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YCD30B21(S,H) W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	800	LIQUID PRESSURE (PSIG)	179	285	360	404	418	401	353
		LIQUID TEMPERATURE (°F)	57	80	93	103	111	117	108
		LIQUID SUBCOOLING (°F)	6	13	16	15	9	0	0
		SUCTION PRESSURE (PSIG)	106	113	119	125	131	137	142
		SUCTION TEMPERATURE (°F)	59	56	52	50	50	51	54
		SUCTION SUPERHEAT (°F)	25	18	12	7	5	3	4
		OUTDOOR UNIT CURRENT (A)	6.4	7.2	7.9	8.6	9.3	10.0	10.7
		COMPRESSOR CURRENT (A)	5.6	6.4	7.1	7.8	8.5	9.2	9.9
	INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	23	22	20	
	LIQUID PRESSURE (PSIG)	250	356	431	475	489	472	424	
	LIQUID TEMPERATURE (°F)	65	82	93	102	110	118	121	
	LIQUID SUBCOOLING (°F)	19	26	29	28	22	11	0	
	SUCTION PRESSURE (PSIG)	109	116	122	128	134	140	145	
	SUCTION TEMPERATURE (°F)	62	58	55	52	53	53	56	
	SUCTION SUPERHEAT (°F)	26	19	13	8	6	4	5	
	OUTDOOR UNIT CURRENT (A)	6.5	7.3	8.0	8.7	9.4	10.1	10.8	
	COMPRESSOR CURRENT (A)	5.7	6.5	7.2	7.9	8.6	9.3	10.0	
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	21	20	18	
	LIQUID PRESSURE (PSIG)	321	427	502	546	560	543	495	
	LIQUID TEMPERATURE (°F)	80	94	103	111	119	128	131	
	LIQUID SUBCOOLING (°F)	21	28	31	30	24	13	2	
	SUCTION PRESSURE (PSIG)	112	119	125	131	137	143	148	
	SUCTION TEMPERATURE (°F)	65	61	58	55	56	56	59	
	SUCTION SUPERHEAT (°F)	28	21	15	10	8	6	7	
OUTDOOR UNIT CURRENT (A)	6.6	7.4	8.1	8.8	9.5	10.2	10.9		
COMPRESSOR CURRENT (A)	5.8	6.6	7.3	8.0	8.7	9.4	10.1		
INDOOR COIL DB TEMP DROP (°F)	21	21	21	20	19	18	16		

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## YCD30B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	800	LIQUID PRESSURE (PSIG)	201	235	273	316	362	413	468
		LIQUID TEMPERATURE (°F)	60	72	83	95	105	116	127
		LIQUID SUBCOOLING (°F)	10	8	7	5	4	3	2
		SUCTION PRESSURE (PSIG)	98	106	114	122	130	138	147
		SUCTION TEMPERATURE (°F)	56	49	47	46	46	48	53
		SUCTION SUPERHEAT (°F)	25	15	9	4	1	0	1
		OUTDOOR UNIT CURRENT (A)	6.3	7.1	7.8	8.6	9.4	10.1	10.9
		COMPRESSOR CURRENT (A)	5.5	6.3	7.0	7.8	8.6	9.3	10.1
	INDOOR COIL DB TEMP DROP (°F)	33	32	32	30	28	26	23	
	1000	LIQUID PRESSURE (PSIG)	204	238	276	319	365	416	471
		LIQUID TEMPERATURE (°F)	60	72	83	94	105	116	126
		LIQUID SUBCOOLING (°F)	11	9	8	6	5	4	3
		SUCTION PRESSURE (PSIG)	102	110	118	126	134	142	151
		SUCTION TEMPERATURE (°F)	61	54	52	50	51	53	57
		SUCTION SUPERHEAT (°F)	28	18	12	7	4	3	4
		OUTDOOR UNIT CURRENT (A)	6.4	7.2	7.9	8.7	9.5	10.2	11.0
		COMPRESSOR CURRENT (A)	5.6	6.4	7.1	7.9	8.7	9.4	10.2
	INDOOR COIL DB TEMP DROP (°F)	30	29	29	27	25	23	20	
	1200	LIQUID PRESSURE (PSIG)	207	241	279	322	368	419	474
		LIQUID TEMPERATURE (°F)	60	72	82	94	105	115	126
		LIQUID SUBCOOLING (°F)	12	10	9	7	6	5	4
		SUCTION PRESSURE (PSIG)	106	114	122	130	138	146	155
		SUCTION TEMPERATURE (°F)	65	59	57	55	55	57	62
		SUCTION SUPERHEAT (°F)	31	21	15	10	7	6	7
		OUTDOOR UNIT CURRENT (A)	6.5	7.3	8.0	8.8	9.6	10.3	11.1
		COMPRESSOR CURRENT (A)	5.7	6.5	7.2	8.0	8.8	9.5	10.3
	INDOOR COIL DB TEMP DROP (°F)	27	26	26	24	22	20	17	
	80/62	800	LIQUID PRESSURE (PSIG)	206	240	279	321	366	415
LIQUID TEMPERATURE (°F)			60	71	83	94	105	117	128
LIQUID SUBCOOLING (°F)			12	10	8	7	5	3	1
SUCTION PRESSURE (PSIG)			106	112	119	126	133	140	147
SUCTION TEMPERATURE (°F)			60	55	51	50	49	51	54
SUCTION SUPERHEAT (°F)			26	18	11	7	3	2	2
OUTDOOR UNIT CURRENT (A)			6.4	7.2	7.9	8.7	9.5	10.2	10.9
COMPRESSOR CURRENT (A)			5.6	6.4	7.1	7.9	8.7	9.4	10.1
INDOOR COIL DB TEMP DROP (°F)		29	30	30	29	28	26	23	
1000		LIQUID PRESSURE (PSIG)	209	243	282	324	369	418	471
		LIQUID TEMPERATURE (°F)	60	71	83	94	105	116	127
		LIQUID SUBCOOLING (°F)	13	11	9	8	6	4	2
		SUCTION PRESSURE (PSIG)	109	115	122	129	136	143	150
		SUCTION TEMPERATURE (°F)	64	59	55	54	52	54	57
		SUCTION SUPERHEAT (°F)	28	20	13	9	5	4	4
		OUTDOOR UNIT CURRENT (A)	6.5	7.3	8.0	8.8	9.6	10.3	11.0
		COMPRESSOR CURRENT (A)	5.7	6.5	7.2	8.0	8.8	9.5	10.2
INDOOR COIL DB TEMP DROP (°F)		26	27	27	26	25	23	20	
1200		LIQUID PRESSURE (PSIG)	212	246	285	327	372	421	474
		LIQUID TEMPERATURE (°F)	59	71	83	93	104	116	127
		LIQUID SUBCOOLING (°F)	14	12	10	9	7	5	3
		SUCTION PRESSURE (PSIG)	112	118	125	132	139	146	153
		SUCTION TEMPERATURE (°F)	67	62	58	57	56	57	60
		SUCTION SUPERHEAT (°F)	30	22	15	11	7	6	6
		OUTDOOR UNIT CURRENT (A)	6.6	7.4	8.1	8.9	9.7	10.4	11.1
		COMPRESSOR CURRENT (A)	5.8	6.6	7.3	8.1	8.9	9.6	10.3
INDOOR COIL DB TEMP DROP (°F)		23	24	24	23	22	20	17	

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## YCD30B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	800	LIQUID PRESSURE (PSIG)	211	247	286	328	374	423	475
		LIQUID TEMPERATURE (°F)	59	71	82	93	105	116	128
		LIQUID SUBCOOLING (°F)	14	12	11	9	7	5	2
		SUCTION PRESSURE (PSIG)	110	119	127	134	141	147	152
		SUCTION TEMPERATURE (°F)	65	63	61	60	55	57	56
		SUCTION SUPERHEAT (°F)	29	23	17	13	6	5	2
		OUTDOOR UNIT CURRENT (A)	6.4	7.3	8.1	8.9	9.7	10.4	11.1
		COMPRESSOR CURRENT (A)	5.6	6.5	7.3	8.1	8.9	9.6	10.3
	INDOOR COIL DB TEMP DROP (°F)	23	24	24	24	23	23	21	
	1000	LIQUID PRESSURE (PSIG)	213	249	288	330	376	425	477
		LIQUID TEMPERATURE (°F)	59	71	81	93	104	115	127
		LIQUID SUBCOOLING (°F)	15	13	12	10	8	6	3
		SUCTION PRESSURE (PSIG)	113	122	130	137	144	150	155
		SUCTION TEMPERATURE (°F)	69	67	64	63	59	60	59
		SUCTION SUPERHEAT (°F)	31	25	19	15	8	7	4
		OUTDOOR UNIT CURRENT (A)	6.5	7.4	8.2	9.0	9.8	10.5	11.2
		COMPRESSOR CURRENT (A)	5.7	6.6	7.4	8.2	9.0	9.7	10.4
	INDOOR COIL DB TEMP DROP (°F)	21	22	22	22	21	21	19	
	1200	LIQUID PRESSURE (PSIG)	215	251	290	332	378	427	479
		LIQUID TEMPERATURE (°F)	58	70	81	92	104	115	127
		LIQUID SUBCOOLING (°F)	16	14	13	11	9	7	4
		SUCTION PRESSURE (PSIG)	116	125	133	140	147	153	158
		SUCTION TEMPERATURE (°F)	72	70	67	66	62	63	62
		SUCTION SUPERHEAT (°F)	33	27	21	17	10	9	6
		OUTDOOR UNIT CURRENT (A)	6.6	7.5	8.3	9.1	9.9	10.6	11.3
		COMPRESSOR CURRENT (A)	5.8	6.7	7.5	8.3	9.1	9.8	10.5
	INDOOR COIL DB TEMP DROP (°F)	19	20	20	20	19	19	17	
	80/72	800	LIQUID PRESSURE (PSIG)	214	249	289	332	379	430
LIQUID TEMPERATURE (°F)			59	70	81	92	103	114	126
LIQUID SUBCOOLING (°F)			15	14	13	11	10	8	6
SUCTION PRESSURE (PSIG)			113	123	133	142	150	158	165
SUCTION TEMPERATURE (°F)			70	70	70	69	68	66	62
SUCTION SUPERHEAT (°F)			32	28	24	19	15	10	4
OUTDOOR UNIT CURRENT (A)			6.4	7.3	8.1	9.0	9.8	10.7	11.6
COMPRESSOR CURRENT (A)			5.6	6.5	7.3	8.2	9.0	9.9	10.8
INDOOR COIL DB TEMP DROP (°F)		19	19	19	19	19	18	17	
1000		LIQUID PRESSURE (PSIG)	216	251	291	334	381	432	487
		LIQUID TEMPERATURE (°F)	59	69	80	92	102	114	125
		LIQUID SUBCOOLING (°F)	16	15	14	12	11	9	7
		SUCTION PRESSURE (PSIG)	115	125	135	144	152	160	167
		SUCTION TEMPERATURE (°F)	72	72	72	71	70	68	64
		SUCTION SUPERHEAT (°F)	33	29	25	20	16	11	5
		OUTDOOR UNIT CURRENT (A)	6.5	7.4	8.2	9.1	9.9	10.8	11.7
		COMPRESSOR CURRENT (A)	5.7	6.6	7.4	8.3	9.1	10.0	10.9
INDOOR COIL DB TEMP DROP (°F)		17	17	17	17	17	16	15	
1200		LIQUID PRESSURE (PSIG)	218	253	293	336	383	434	489
		LIQUID TEMPERATURE (°F)	58	69	80	91	102	113	124
		LIQUID SUBCOOLING (°F)	17	16	15	13	12	10	8
		SUCTION PRESSURE (PSIG)	117	127	137	146	154	162	169
		SUCTION TEMPERATURE (°F)	73	74	74	72	71	69	66
		SUCTION SUPERHEAT (°F)	34	30	26	21	17	12	6
		OUTDOOR UNIT CURRENT (A)	6.6	7.5	8.3	9.2	10.0	10.9	11.8
		COMPRESSOR CURRENT (A)	5.8	6.7	7.5	8.4	9.2	10.1	11.0
INDOOR COIL DB TEMP DROP (°F)		15	15	15	15	15	14	13	

FOR USE WITH MODELS WITH ORIFICE:

**YCD30B22S**

**TC3B3022S**

**RAC13L30B22S**

**QC3B30B22S**

YCD30B22S Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	104	108	113	117	121	125	130	134	138	143	147	151	155	160	164
	Suction Temperature (°F)														
55	54	57	64	72	..	..	..	..	..	..	..	..	..	..	..
60	..	54	61	66	71	..	..	..	..	..	..	..	..	..	..
65	..	..	55	60	65	71	..	..	..	..	..	..	..	..	..
70	..	..	50	55	59	65	72	..	..	..	..	..	..	..	..
75	..	..	..	50	54	59	65	71	..	..	..	..	..	..	..
80	..	..	..	..	50	54	60	64	70	..	..	..	..	..	..
85	..	..	..	..	45	50	55	59	64	72	..	..	..	..	..
90	..	..	..	..	..	46	52	56	60	66	71	..	..	..	..
95	..	..	..	..	..	..	48	52	56	60	66	70	..	..	..
100	..	..	..	..	..	..	46	49	53	58	62	65	69	..	..
105	..	..	..	..	..	..	..	47	50	55	58	62	65	..	..
110	..	..	..	..	..	..	..	..	49	52	55	58	61	65	..
115	..	..	..	..	..	..	..	..	48	51	53	55	58	61	64

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YCD30B22S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	800	LIQUID PRESSURE (PSIG)	205	239	277	321	369	422	479
		LIQUID TEMPERATURE (°F)	59	69	79	89	99	110	120
		LIQUID SUBCOOLING (°F)	12	12	12	12	12	11	11
		SUCTION PRESSURE (PSIG)	110	116	121	126	131	134	138
		SUCTION TEMPERATURE (°F)	61	57	53	50	48	47	48
		SUCTION SUPERHEAT (°F)	25	18	12	7	3	0	0
		OUTDOOR UNIT CURRENT (A)	3.1	3.4	3.7	4.2	4.7	5.3	5.9
		COMPRESSOR CURRENT (A)	2.4	2.7	3.0	3.5	4.0	4.6	5.2
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	24	23	23	22	
	1000	LIQUID PRESSURE (PSIG)	207	241	279	323	371	424	481
		LIQUID TEMPERATURE (°F)	59	69	78	88	98	109	119
		LIQUID SUBCOOLING (°F)	13	13	13	13	13	12	12
		SUCTION PRESSURE (PSIG)	113	119	124	129	134	137	141
		SUCTION TEMPERATURE (°F)	65	60	57	54	52	50	49
		SUCTION SUPERHEAT (°F)	27	20	14	9	5	2	0
		OUTDOOR UNIT CURRENT (A)	3.1	3.4	3.7	4.2	4.7	5.3	5.9
		COMPRESSOR CURRENT (A)	2.4	2.7	3.0	3.5	4.0	4.6	5.2
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	22	21	21	20	
	1200	LIQUID PRESSURE (PSIG)	209	243	281	325	373	426	483
		LIQUID TEMPERATURE (°F)	59	68	78	88	98	109	118
		LIQUID SUBCOOLING (°F)	14	14	14	14	14	13	13
		SUCTION PRESSURE (PSIG)	116	122	127	132	137	140	144
		SUCTION TEMPERATURE (°F)	68	64	60	57	55	53	53
		SUCTION SUPERHEAT (°F)	29	22	16	11	7	4	2
OUTDOOR UNIT CURRENT (A)		3.1	3.4	3.7	4.2	4.7	5.3	5.9	
COMPRESSOR CURRENT (A)		2.4	2.7	3.0	3.5	4.0	4.6	5.2	
INDOOR COIL DB TEMP DROP (°F)	19	19	19	20	19	19	18		

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## YCD30B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	800	LIQUID PRESSURE (PSIG)	201	234	272	316	366	420	480
		LIQUID TEMPERATURE (°F)	59	70	80	90	100	110	120
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	104	110	116	121	127	132	138
		SUCTION TEMPERATURE (°F)	54	51	48	45	45	46	48
		SUCTION SUPERHEAT (°F)	21	15	9	4	1	0	0
		OUTDOOR UNIT CURRENT (A)	3.1	3.3	3.7	4.2	4.7	5.3	6.0
		COMPRESSOR CURRENT (A)	1.5	2.2	2.7	2.9	2.9	2.6	2.1
	INDOOR COIL DB TEMP DROP (°F)	32	32	32	31	30	29	27	
	1000	LIQUID PRESSURE (PSIG)	205	238	276	320	370	424	484
		LIQUID TEMPERATURE (°F)	59	70	80	90	100	109	119
		LIQUID SUBCOOLING (°F)	12	11	11	11	11	12	12
		SUCTION PRESSURE (PSIG)	109	115	121	126	132	137	143
		SUCTION TEMPERATURE (°F)	61	58	54	51	51	50	50
		SUCTION SUPERHEAT (°F)	25	19	13	8	5	2	0
		OUTDOOR UNIT CURRENT (A)	3.1	3.3	3.7	4.2	4.7	5.3	6.0
		COMPRESSOR CURRENT (A)	2.2	2.9	3.4	3.6	3.6	3.3	2.8
	INDOOR COIL DB TEMP DROP (°F)	28	28	28	27	26	25	23	
	1200	LIQUID PRESSURE (PSIG)	209	242	280	324	374	428	488
		LIQUID TEMPERATURE (°F)	60	70	79	90	100	109	119
		LIQUID SUBCOOLING (°F)	13	12	12	12	12	13	13
		SUCTION PRESSURE (PSIG)	114	120	126	131	137	142	148
		SUCTION TEMPERATURE (°F)	67	64	60	57	57	56	56
		SUCTION SUPERHEAT (°F)	29	23	17	12	9	6	4
		OUTDOOR UNIT CURRENT (A)	3.1	3.3	3.7	4.2	4.7	5.3	6.0
		COMPRESSOR CURRENT (A)	2.9	3.6	4.1	4.3	4.3	4.0	3.5
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	22	21	19	
	80/62	800	LIQUID PRESSURE (PSIG)	206	240	279	323	372	426
LIQUID TEMPERATURE (°F)			61	70	80	90	100	111	119
LIQUID SUBCOOLING (°F)			11	11	11	11	11	11	12
SUCTION PRESSURE (PSIG)			109	115	121	126	131	135	139
SUCTION TEMPERATURE (°F)			64	60	55	52	49	48	49
SUCTION SUPERHEAT (°F)			28	21	14	9	4	1	0
OUTDOOR UNIT CURRENT (A)			3.1	3.4	3.8	4.2	4.7	5.3	6.0
COMPRESSOR CURRENT (A)			2.4	2.7	3.1	3.5	4.1	4.6	5.3
INDOOR COIL DB TEMP DROP (°F)		27	28	28	28	28	27	26	
1000		LIQUID PRESSURE (PSIG)	208	242	281	325	374	428	486
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	110	119
		LIQUID SUBCOOLING (°F)	12	12	12	12	12	12	13
		SUCTION PRESSURE (PSIG)	113	119	125	130	135	139	143
		SUCTION TEMPERATURE (°F)	68	63	59	56	53	52	50
		SUCTION SUPERHEAT (°F)	30	23	16	11	6	3	0
		OUTDOOR UNIT CURRENT (A)	3.1	3.4	3.8	4.2	4.7	5.3	6.0
		COMPRESSOR CURRENT (A)	2.4	2.7	3.1	3.5	4.1	4.6	5.3
INDOOR COIL DB TEMP DROP (°F)		24	25	25	25	25	24	23	
1200		LIQUID PRESSURE (PSIG)	210	244	283	327	376	430	488
		LIQUID TEMPERATURE (°F)	60	69	79	89	99	109	118
		LIQUID SUBCOOLING (°F)	13	13	13	13	13	13	14
		SUCTION PRESSURE (PSIG)	117	123	129	134	139	143	147
		SUCTION TEMPERATURE (°F)	71	67	63	60	57	55	54
		SUCTION SUPERHEAT (°F)	32	25	18	13	8	5	2
		OUTDOOR UNIT CURRENT (A)	3.1	3.4	3.8	4.2	4.7	5.3	6.0
		COMPRESSOR CURRENT (A)	2.4	2.7	3.1	3.5	4.1	4.6	5.3
INDOOR COIL DB TEMP DROP (°F)		21	22	22	22	22	21	20	

Continued on next page.

## YCD30B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	800	LIQUID PRESSURE (PSIG)	208	243	283	328	378	433	492
		LIQUID TEMPERATURE (°F)	59	69	79	89	100	110	119
		LIQUID SUBCOOLING (°F)	13	13	13	13	13	13	14
		SUCTION PRESSURE (PSIG)	114	121	128	134	139	144	149
		SUCTION TEMPERATURE (°F)	69	66	64	61	57	55	53
		SUCTION SUPERHEAT (°F)	31	25	20	14	8	4	0
		OUTDOOR UNIT CURRENT (A)	3.1	3.4	3.8	4.3	4.8	5.4	6.1
		COMPRESSOR CURRENT (A)	2.4	2.7	3.1	3.6	4.1	4.7	5.4
	INDOOR COIL DB TEMP DROP (°F)	22	23	23	24	24	23	23	
	1000	LIQUID PRESSURE (PSIG)	210	245	285	330	380	435	494
		LIQUID TEMPERATURE (°F)	59	69	79	89	99	109	118
		LIQUID SUBCOOLING (°F)	14	14	14	14	14	14	15
		SUCTION PRESSURE (PSIG)	117	124	131	137	142	147	152
		SUCTION TEMPERATURE (°F)	72	70	67	64	60	58	55
		SUCTION SUPERHEAT (°F)	33	27	22	16	10	6	1
		OUTDOOR UNIT CURRENT (A)	3.1	3.4	3.8	4.3	4.8	5.4	6.1
		COMPRESSOR CURRENT (A)	2.4	2.7	3.1	3.6	4.1	4.7	5.4
	INDOOR COIL DB TEMP DROP (°F)	19	20	20	21	21	20	20	
	1200	LIQUID PRESSURE (PSIG)	212	247	287	332	382	437	496
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	109	117
		LIQUID SUBCOOLING (°F)	15	15	15	15	15	15	16
		SUCTION PRESSURE (PSIG)	120	127	134	140	145	150	155
		SUCTION TEMPERATURE (°F)	76	73	71	67	63	61	58
		SUCTION SUPERHEAT (°F)	35	29	24	18	12	8	3
		OUTDOOR UNIT CURRENT (A)	3.1	3.4	3.8	4.3	4.8	5.4	6.1
		COMPRESSOR CURRENT (A)	2.4	2.7	3.1	3.6	4.1	4.7	5.4
	INDOOR COIL DB TEMP DROP (°F)	16	17	17	18	18	17	17	
	80/72	800	LIQUID PRESSURE (PSIG)	212	245	284	329	381	438
LIQUID TEMPERATURE (°F)			60	69	78	88	98	109	118
LIQUID SUBCOOLING (°F)			13	14	14	15	15	15	16
SUCTION PRESSURE (PSIG)			115	124	132	139	146	153	159
SUCTION TEMPERATURE (°F)			72	72	70	69	66	64	61
SUCTION SUPERHEAT (°F)			33	29	24	20	15	10	5
OUTDOOR UNIT CURRENT (A)			3.1	3.4	3.8	4.3	4.8	5.5	6.1
COMPRESSOR CURRENT (A)			2.4	2.7	3.1	3.6	4.1	4.8	5.5
INDOOR COIL DB TEMP DROP (°F)		17	18	18	18	18	18	17	
1000		LIQUID PRESSURE (PSIG)	215	248	287	332	384	441	505
		LIQUID TEMPERATURE (°F)	60	68	78	87	98	108	118
		LIQUID SUBCOOLING (°F)	14	15	15	16	16	16	17
		SUCTION PRESSURE (PSIG)	118	127	135	142	149	156	162
		SUCTION TEMPERATURE (°F)	74	74	72	71	69	66	63
		SUCTION SUPERHEAT (°F)	34	30	25	21	16	11	6
		OUTDOOR UNIT CURRENT (A)	3.1	3.4	3.8	4.3	4.8	5.5	6.1
		COMPRESSOR CURRENT (A)	2.4	2.7	3.1	3.6	4.1	4.8	5.5
INDOOR COIL DB TEMP DROP (°F)		15	16	16	16	16	16	15	
1200		LIQUID PRESSURE (PSIG)	218	251	290	335	387	444	508
		LIQUID TEMPERATURE (°F)	60	68	78	87	97	108	117
		LIQUID SUBCOOLING (°F)	15	16	16	17	17	17	18
		SUCTION PRESSURE (PSIG)	121	130	138	145	152	159	165
		SUCTION TEMPERATURE (°F)	76	76	74	73	71	68	65
		SUCTION SUPERHEAT (°F)	35	31	26	22	17	12	7
		OUTDOOR UNIT CURRENT (A)	3.1	3.4	3.8	4.3	4.8	5.5	6.1
		COMPRESSOR CURRENT (A)	2.4	2.7	3.1	3.6	4.1	4.8	5.5
INDOOR COIL DB TEMP DROP (°F)		13	14	14	14	14	14	13	

FOR USE WITH MODELS WITH ORIFICE:

**YCD36B21(S,H)**

**TC3B3621(S,H)**

**RAC13L36B21S**

**QC3B36B21S**

YCD36B21(S,H) Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	99	104	109	113	118	123	128	133	137	142	147	152	156	161	166
	Suction Temperature (°F)														
55	54	61	68	73	..	..	..	..	..	..	..	..	..	..	..
60	..	53	60	65	73	..	..	..	..	..	..	..	..	..	..
65	..	..	52	57	64	72	..	..	..	..	..	..	..	..	..
70	..	..	45	50	57	64	73	..	..	..	..	..	..	..	..
75	..	..	..	43	49	56	64	73	..	..	..	..	..	..	..
80	..	..	..	..	44	51	58	65	71	..	..	..	..	..	..
85	..	..	..	..	..	45	52	58	64	71	..	..	..	..	..
90	..	..	..	..	..	..	48	53	56	63	70	..	..	..	..
95	..	..	..	..	..	..	45	49	52	56	62	..	..	..	..
100	..	..	..	..	..	..	..	47	50	55	60	66	..	..	..
105	..	..	..	..	..	..	..	..	49	52	56	61	65	..	..
110	..	..	..	..	..	..	..	..	..	51	55	58	61	65	..
115	..	..	..	..	..	..	..	..	..	51	54	56	59	61	64

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YCD36B21(S,H) W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1000	LIQUID PRESSURE (PSIG)	210	246	285	326	370	416	465
		LIQUID TEMPERATURE (°F)	58	69	80	91	102	114	125
		LIQUID SUBCOOLING (°F)	15	14	13	11	9	6	3
		SUCTION PRESSURE (PSIG)	104	112	119	126	132	137	141
		SUCTION TEMPERATURE (°F)	60	55	51	49	49	49	50
		SUCTION SUPERHEAT (°F)	27	18	11	6	3	1	1
		OUTDOOR UNIT CURRENT (A)	7.9	8.8	9.7	10.6	11.5	12.4	13.3
		COMPRESSOR CURRENT (A)	6.9	7.8	8.7	9.6	10.5	11.4	12.3
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	22	21	20	
	1200	LIQUID PRESSURE (PSIG)	212	248	287	328	372	418	467
		LIQUID TEMPERATURE (°F)	57	68	79	90	101	113	125
		LIQUID SUBCOOLING (°F)	16	15	14	12	10	7	4
		SUCTION PRESSURE (PSIG)	106	114	121	128	134	139	143
		SUCTION TEMPERATURE (°F)	62	57	53	51	51	51	52
		SUCTION SUPERHEAT (°F)	28	19	12	7	4	2	2
		OUTDOOR UNIT CURRENT (A)	8.0	8.9	9.8	10.7	11.6	12.5	13.4
		COMPRESSOR CURRENT (A)	7.0	7.9	8.8	9.7	10.6	11.5	12.4
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	20	19	18	
	1400	LIQUID PRESSURE (PSIG)	214	250	289	330	374	420	469
		LIQUID TEMPERATURE (°F)	57	68	79	90	101	113	124
		LIQUID SUBCOOLING (°F)	17	16	15	13	11	8	5
		SUCTION PRESSURE (PSIG)	108	116	123	130	136	141	145
		SUCTION TEMPERATURE (°F)	64	59	55	53	52	52	54
		SUCTION SUPERHEAT (°F)	29	20	13	8	5	3	3
OUTDOOR UNIT CURRENT (A)		8.1	9.0	9.9	10.8	11.7	12.6	13.5	
COMPRESSOR CURRENT (A)		7.1	8.0	8.9	9.8	10.7	11.6	12.5	
INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	18	17	16		

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## YCD36B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1000	LIQUID PRESSURE (PSIG)	204	239	277	319	365	413	465
		LIQUID TEMPERATURE (°F)	58	69	80	90	102	113	124
		LIQUID SUBCOOLING (°F)	13	12	11	10	8	6	4
		SUCTION PRESSURE (PSIG)	98	105	112	120	127	134	142
		SUCTION TEMPERATURE (°F)	53	47	42	41	44	47	50
		SUCTION SUPERHEAT (°F)	22	13	5	0	0	0	0
		OUTDOOR UNIT CURRENT (A)	7.9	8.8	9.6	10.5	11.5	12.4	13.3
		COMPRESSOR CURRENT (A)	6.8	7.7	8.6	9.5	10.4	11.4	12.3
	INDOOR COIL DB TEMP DROP (°F)	32	32	31	30	28	26	24	
	1200	LIQUID PRESSURE (PSIG)	208	243	281	323	369	417	469
		LIQUID TEMPERATURE (°F)	58	69	80	90	102	113	124
		LIQUID SUBCOOLING (°F)	14	13	12	11	9	7	5
		SUCTION PRESSURE (PSIG)	102	109	116	124	131	138	146
		SUCTION TEMPERATURE (°F)	58	52	47	46	46	48	53
		SUCTION SUPERHEAT (°F)	25	16	8	3	1	0	2
		OUTDOOR UNIT CURRENT (A)	8.0	8.9	9.7	10.6	11.6	12.5	13.4
		COMPRESSOR CURRENT (A)	6.9	7.8	8.7	9.6	10.5	11.5	12.4
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	25	23	21	
	1400	LIQUID PRESSURE (PSIG)	212	247	285	327	373	421	473
		LIQUID TEMPERATURE (°F)	58	69	80	90	102	113	124
		LIQUID SUBCOOLING (°F)	15	14	13	12	10	8	6
		SUCTION PRESSURE (PSIG)	106	113	120	128	135	142	150
		SUCTION TEMPERATURE (°F)	62	57	52	50	51	53	58
		SUCTION SUPERHEAT (°F)	28	19	11	6	4	3	5
		OUTDOOR UNIT CURRENT (A)	8.1	9.0	9.8	10.7	11.7	12.6	13.5
		COMPRESSOR CURRENT (A)	7.0	7.9	8.8	9.7	10.6	11.6	12.5
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	24	22	20	18	
	80/62	1000	LIQUID PRESSURE (PSIG)	209	245	283	325	369	416
LIQUID TEMPERATURE (°F)			58	69	79	91	102	113	124
LIQUID SUBCOOLING (°F)			15	14	13	11	9	7	4
SUCTION PRESSURE (PSIG)			104	111	118	125	131	137	142
SUCTION TEMPERATURE (°F)			63	57	52	49	47	48	50
SUCTION SUPERHEAT (°F)			30	20	12	6	2	0	0
OUTDOOR UNIT CURRENT (A)			7.9	8.9	9.8	10.7	11.6	12.5	13.3
COMPRESSOR CURRENT (A)			6.9	7.8	8.8	9.7	10.6	11.5	12.4
INDOOR COIL DB TEMP DROP (°F)		26	27	28	28	27	26	24	
1200		LIQUID PRESSURE (PSIG)	212	248	286	328	372	419	469
		LIQUID TEMPERATURE (°F)	57	68	79	90	101	112	124
		LIQUID SUBCOOLING (°F)	16	15	14	12	10	8	5
		SUCTION PRESSURE (PSIG)	107	114	121	128	134	140	145
		SUCTION TEMPERATURE (°F)	67	60	55	52	51	51	53
		SUCTION SUPERHEAT (°F)	32	22	14	8	4	2	2
		OUTDOOR UNIT CURRENT (A)	8.0	9.0	9.9	10.8	11.7	12.6	13.4
		COMPRESSOR CURRENT (A)	7.0	7.9	8.9	9.8	10.7	11.6	12.5
INDOOR COIL DB TEMP DROP (°F)		23	24	25	25	24	23	21	
1400		LIQUID PRESSURE (PSIG)	215	251	289	331	375	422	472
		LIQUID TEMPERATURE (°F)	57	68	79	90	101	112	123
		LIQUID SUBCOOLING (°F)	17	16	15	13	11	9	6
		SUCTION PRESSURE (PSIG)	110	117	124	131	137	143	148
		SUCTION TEMPERATURE (°F)	70	63	59	55	54	54	56
		SUCTION SUPERHEAT (°F)	34	24	16	10	6	4	4
		OUTDOOR UNIT CURRENT (A)	8.1	9.1	10.0	10.9	11.8	12.7	13.5
		COMPRESSOR CURRENT (A)	7.1	8.0	9.0	9.9	10.8	11.7	12.6
INDOOR COIL DB TEMP DROP (°F)		20	21	22	22	21	20	18	

Continued on next page.

## YCD36B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1000	LIQUID PRESSURE (PSIG)	214	251	290	333	378	427	478
		LIQUID TEMPERATURE (°F)	59	69	80	90	102	113	123
		LIQUID SUBCOOLING (°F)	15	15	14	13	11	9	7
		SUCTION PRESSURE (PSIG)	107	116	125	133	141	146	151
		SUCTION TEMPERATURE (°F)	67	64	61	59	55	54	53
		SUCTION SUPERHEAT (°F)	32	25	18	13	6	3	0
		OUTDOOR UNIT CURRENT (A)	8.0	9.0	10.0	11.0	11.9	12.8	13.7
		COMPRESSOR CURRENT (A)	6.9	8.0	9.0	10.0	10.9	11.8	12.7
	INDOOR COIL DB TEMP DROP (°F)	21	22	22	22	22	22	21	
	1200	LIQUID PRESSURE (PSIG)	216	253	292	335	380	429	480
		LIQUID TEMPERATURE (°F)	59	69	79	90	101	112	123
		LIQUID SUBCOOLING (°F)	16	16	15	14	12	10	8
		SUCTION PRESSURE (PSIG)	110	119	128	136	144	149	154
		SUCTION TEMPERATURE (°F)	70	67	64	62	59	58	56
		SUCTION SUPERHEAT (°F)	34	27	20	15	8	5	2
		OUTDOOR UNIT CURRENT (A)	8.1	9.1	10.1	11.1	12.0	12.9	13.8
		COMPRESSOR CURRENT (A)	7.0	8.1	9.1	10.1	11.0	11.9	12.8
	INDOOR COIL DB TEMP DROP (°F)	19	20	20	20	20	20	19	
	1400	LIQUID PRESSURE (PSIG)	218	255	294	337	382	431	482
		LIQUID TEMPERATURE (°F)	58	68	79	89	100	111	122
		LIQUID SUBCOOLING (°F)	17	17	16	15	13	11	9
		SUCTION PRESSURE (PSIG)	113	122	131	139	147	152	157
		SUCTION TEMPERATURE (°F)	74	71	67	66	62	61	59
		SUCTION SUPERHEAT (°F)	36	29	22	17	10	7	4
		OUTDOOR UNIT CURRENT (A)	8.2	9.2	10.2	11.2	12.1	13.0	13.9
		COMPRESSOR CURRENT (A)	7.1	8.2	9.2	10.2	11.1	12.0	12.9
	INDOOR COIL DB TEMP DROP (°F)	17	18	18	18	18	18	17	
	80/72	1000	LIQUID PRESSURE (PSIG)	218	254	294	337	385	435
LIQUID TEMPERATURE (°F)			58	69	80	90	101	111	121
LIQUID SUBCOOLING (°F)			17	16	15	14	13	12	11
SUCTION PRESSURE (PSIG)			110	120	130	139	147	155	162
SUCTION TEMPERATURE (°F)			68	69	69	68	66	64	60
SUCTION SUPERHEAT (°F)			32	28	24	19	14	9	3
OUTDOOR UNIT CURRENT (A)			8.0	9.0	10.0	11.0	12.0	13.1	14.1
COMPRESSOR CURRENT (A)			7.0	8.0	9.0	10.0	11.0	12.1	13.1
INDOOR COIL DB TEMP DROP (°F)		18	18	18	18	18	17	17	
1200		LIQUID PRESSURE (PSIG)	220	256	296	339	387	437	492
		LIQUID TEMPERATURE (°F)	58	68	79	90	100	111	121
		LIQUID SUBCOOLING (°F)	18	17	16	15	14	13	12
		SUCTION PRESSURE (PSIG)	112	122	132	141	149	157	164
		SUCTION TEMPERATURE (°F)	71	72	72	70	69	66	63
		SUCTION SUPERHEAT (°F)	34	30	26	21	16	11	5
		OUTDOOR UNIT CURRENT (A)	8.1	9.1	10.1	11.1	12.1	13.2	14.2
		COMPRESSOR CURRENT (A)	7.1	8.1	9.1	10.1	11.1	12.2	13.2
INDOOR COIL DB TEMP DROP (°F)		16	16	16	16	16	15	15	
1400		LIQUID PRESSURE (PSIG)	222	258	298	341	389	439	494
		LIQUID TEMPERATURE (°F)	57	68	79	89	100	110	120
		LIQUID SUBCOOLING (°F)	19	18	17	16	15	14	13
		SUCTION PRESSURE (PSIG)	114	124	134	143	151	159	166
		SUCTION TEMPERATURE (°F)	74	75	75	73	71	69	66
		SUCTION SUPERHEAT (°F)	36	32	28	23	18	13	7
		OUTDOOR UNIT CURRENT (A)	8.2	9.2	10.2	11.2	12.2	13.3	14.3
		COMPRESSOR CURRENT (A)	7.2	8.2	9.2	10.2	11.2	12.3	13.3
INDOOR COIL DB TEMP DROP (°F)		14	14	14	14	14	13	13	

FOR USE WITH MODELS WITH ORIFICE:

**YCD36B22S**

**TC3B3622S**

**RAC13L36B22S**

**QC3B36B22S**

YCD36B22S Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	101	105	109	114	118	122	126	131	135	139	143	147	152	156	160
	Suction Temperature (°F)														
55	62	64	66	70	75	..	..	..	..	..	..	..	..	..	..
60	..	59	61	65	70	75	..	..	..	..	..	..	..	..	..
65	..	..	56	60	64	69	75	..	..	..	..	..	..	..	..
70	..	..	..	56	59	64	69	..	..	..	..	..	..	..	..
75	..	..	..	51	55	59	63	70	..	..	..	..	..	..	..
80	..	..	..	..	50	54	58	65	70	..	..	..	..	..	..
85	..	..	..	..	..	49	53	59	64	70	..	..	..	..	..
90	..	..	..	..	..	..	49	55	59	64	69	..	..	..	..
95	..	..	..	..	..	..	..	51	55	57	62	68	..	..	..
100	..	..	..	..	..	..	..	48	51	55	60	64	..	..	..
105	..	..	..	..	..	..	..	..	48	52	56	60	65	..	..
110	..	..	..	..	..	..	..	..	..	50	53	56	61	65	..
115	..	..	..	..	..	..	..	..	..	48	50	53	57	61	65

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YCD36B22S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1000	LIQUID PRESSURE (PSIG)	208	243	282	327	377	431	490
		LIQUID TEMPERATURE (°F)	59	70	81	92	103	114	124
		LIQUID SUBCOOLING (°F)	13	12	11	10	9	8	8
		SUCTION PRESSURE (PSIG)	108	114	119	124	129	134	138
		SUCTION TEMPERATURE (°F)	62	58	54	51	49	48	48
		SUCTION SUPERHEAT (°F)	27	20	14	8	4	1	0
		OUTDOOR UNIT CURRENT (A)	7.6	8.3	9.2	10.4	11.7	13.2	14.8
		COMPRESSOR CURRENT (A)	6.4	7.2	8.1	9.2	10.6	12.1	13.7
		INDOOR COIL DB TEMP DROP (°F)	22	23	23	23	23	23	22
	1200	LIQUID PRESSURE (PSIG)	209	244	283	328	378	432	491
		LIQUID TEMPERATURE (°F)	60	70	81	92	104	115	125
		LIQUID SUBCOOLING (°F)	13	12	11	10	9	8	8
		SUCTION PRESSURE (PSIG)	110	116	121	126	131	136	140
		SUCTION TEMPERATURE (°F)	64	60	56	52	50	49	49
		SUCTION SUPERHEAT (°F)	28	21	15	9	5	2	0
		OUTDOOR UNIT CURRENT (A)	7.6	8.3	9.2	10.4	11.7	13.2	14.8
		COMPRESSOR CURRENT (A)	6.4	7.2	8.1	9.2	10.6	12.1	13.7
		INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	21	21	20
	1400	LIQUID PRESSURE (PSIG)	210	245	284	329	379	433	492
		LIQUID TEMPERATURE (°F)	60	71	81	93	104	115	125
		LIQUID SUBCOOLING (°F)	13	12	11	10	9	8	8
		SUCTION PRESSURE (PSIG)	112	118	123	128	133	138	142
		SUCTION TEMPERATURE (°F)	66	62	58	54	52	51	51
		SUCTION SUPERHEAT (°F)	29	22	16	10	6	3	1
OUTDOOR UNIT CURRENT (A)		7.6	8.3	9.2	10.4	11.7	13.2	14.8	
COMPRESSOR CURRENT (A)		6.4	7.2	8.1	9.2	10.6	12.1	13.7	
INDOOR COIL DB TEMP DROP (°F)		18	19	19	19	19	19	18	

Continued on next page.

## YCD36B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1000	LIQUID PRESSURE (PSIG)	203	240	281	327	378	432	492
		LIQUID TEMPERATURE (°F)	62	72	84	94	105	115	125
		LIQUID SUBCOOLING (°F)	9	9	8	8	8	8	8
		SUCTION PRESSURE (PSIG)	100	107	114	120	126	132	138
		SUCTION TEMPERATURE (°F)	60	55	51	48	46	46	48
		SUCTION SUPERHEAT (°F)	28	20	13	7	3	0	0
		OUTDOOR UNIT CURRENT (A)	7.5	8.3	9.2	10.3	11.6	13.1	14.8
		COMPRESSOR CURRENT (A)	6.4	7.1	8.1	9.2	10.5	12.0	13.7
	INDOOR COIL DB TEMP DROP (°F)	29	29	29	29	28	27	26	
	1200	LIQUID PRESSURE (PSIG)	204	241	282	328	379	433	493
		LIQUID TEMPERATURE (°F)	61	72	83	93	104	114	124
		LIQUID SUBCOOLING (°F)	10	10	9	9	9	9	9
		SUCTION PRESSURE (PSIG)	104	111	118	124	130	136	142
		SUCTION TEMPERATURE (°F)	64	60	56	53	51	49	50
		SUCTION SUPERHEAT (°F)	31	23	16	10	6	2	0
		OUTDOOR UNIT CURRENT (A)	7.5	8.3	9.2	10.3	11.6	13.1	14.8
		COMPRESSOR CURRENT (A)	6.4	7.1	8.1	9.2	10.5	12.0	13.7
	INDOOR COIL DB TEMP DROP (°F)	26	26	26	26	25	24	23	
	1400	LIQUID PRESSURE (PSIG)	205	242	283	329	380	434	494
		LIQUID TEMPERATURE (°F)	60	71	82	93	103	113	123
		LIQUID SUBCOOLING (°F)	11	11	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	108	115	122	128	134	140	146
		SUCTION TEMPERATURE (°F)	69	65	61	57	56	54	54
		SUCTION SUPERHEAT (°F)	34	26	19	13	9	5	3
		OUTDOOR UNIT CURRENT (A)	7.5	8.3	9.2	10.3	11.6	13.1	14.8
		COMPRESSOR CURRENT (A)	6.4	7.1	8.1	9.2	10.5	12.0	13.7
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	22	21	20	
	80/62	1000	LIQUID PRESSURE (PSIG)	206	245	288	333	383	435
LIQUID TEMPERATURE (°F)			59	71	82	93	104	114	125
LIQUID SUBCOOLING (°F)			13	12	11	10	10	9	8
SUCTION PRESSURE (PSIG)			107	113	119	124	130	135	139
SUCTION TEMPERATURE (°F)			64	59	55	52	49	47	49
SUCTION SUPERHEAT (°F)			29	21	15	9	4	0	0
OUTDOOR UNIT CURRENT (A)			7.6	8.4	9.3	10.4	11.7	13.2	14.9
COMPRESSOR CURRENT (A)			6.4	7.2	8.2	9.3	10.6	12.1	13.8
INDOOR COIL DB TEMP DROP (°F)		25	26	27	27	27	26	25	
1200		LIQUID PRESSURE (PSIG)	207	246	289	334	384	436	492
		LIQUID TEMPERATURE (°F)	59	71	83	94	104	114	125
		LIQUID SUBCOOLING (°F)	13	12	11	10	10	9	8
		SUCTION PRESSURE (PSIG)	110	116	122	127	133	138	142
		SUCTION TEMPERATURE (°F)	67	62	59	55	52	50	50
		SUCTION SUPERHEAT (°F)	31	23	17	11	6	2	0
		OUTDOOR UNIT CURRENT (A)	7.6	8.4	9.3	10.4	11.7	13.2	14.9
		COMPRESSOR CURRENT (A)	6.4	7.2	8.2	9.3	10.6	12.1	13.8
INDOOR COIL DB TEMP DROP (°F)		23	24	25	25	25	24	23	
1400		LIQUID PRESSURE (PSIG)	208	247	290	335	385	437	493
		LIQUID TEMPERATURE (°F)	59	71	83	94	104	115	125
		LIQUID SUBCOOLING (°F)	13	12	11	10	10	9	8
		SUCTION PRESSURE (PSIG)	113	119	125	130	136	141	145
		SUCTION TEMPERATURE (°F)	71	65	62	58	55	53	53
		SUCTION SUPERHEAT (°F)	33	25	19	13	8	4	2
		OUTDOOR UNIT CURRENT (A)	7.6	8.4	9.3	10.4	11.7	13.2	14.9
		COMPRESSOR CURRENT (A)	6.4	7.2	8.2	9.3	10.6	12.1	13.8
INDOOR COIL DB TEMP DROP (°F)		21	22	23	23	23	22	21	

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## YCD36B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1000	LIQUID PRESSURE (PSIG)	210	248	290	335	385	439	497
		LIQUID TEMPERATURE (°F)	59	70	82	93	103	114	125
		LIQUID SUBCOOLING (°F)	14	13	12	11	11	10	9
		SUCTION PRESSURE (PSIG)	112	119	126	132	139	143	148
		SUCTION TEMPERATURE (°F)	68	67	65	63	58	56	52
		SUCTION SUPERHEAT (°F)	31	27	22	17	9	6	0
		OUTDOOR UNIT CURRENT (A)	7.6	8.4	9.4	10.5	11.8	13.3	14.9
		COMPRESSOR CURRENT (A)	6.5	7.3	8.2	9.4	10.7	12.2	13.8
	INDOOR COIL DB TEMP DROP (°F)	21	21	22	22	22	22	22	
	1200	LIQUID PRESSURE (PSIG)	211	249	291	336	386	440	498
		LIQUID TEMPERATURE (°F)	59	71	82	93	103	114	125
		LIQUID SUBCOOLING (°F)	14	13	12	11	11	10	9
		SUCTION PRESSURE (PSIG)	114	121	128	134	141	145	150
		SUCTION TEMPERATURE (°F)	70	69	67	65	59	58	54
		SUCTION SUPERHEAT (°F)	32	28	23	18	10	7	1
		OUTDOOR UNIT CURRENT (A)	7.6	8.4	9.4	10.5	11.8	13.3	14.9
		COMPRESSOR CURRENT (A)	6.5	7.3	8.2	9.4	10.7	12.2	13.8
	INDOOR COIL DB TEMP DROP (°F)	19	19	20	20	20	20	20	
	1400	LIQUID PRESSURE (PSIG)	212	250	292	337	387	441	499
		LIQUID TEMPERATURE (°F)	59	71	82	93	103	114	125
		LIQUID SUBCOOLING (°F)	14	13	12	11	11	10	9
		SUCTION PRESSURE (PSIG)	116	123	130	136	143	147	152
		SUCTION TEMPERATURE (°F)	72	71	69	66	61	60	56
		SUCTION SUPERHEAT (°F)	33	29	24	19	11	8	2
OUTDOOR UNIT CURRENT (A)		7.6	8.4	9.4	10.5	11.8	13.3	14.9	
COMPRESSOR CURRENT (A)		6.5	7.3	8.2	9.4	10.7	12.2	13.8	
INDOOR COIL DB TEMP DROP (°F)	17	17	18	18	18	18	18		
80/72	1000	LIQUID PRESSURE (PSIG)	212	249	290	336	386	440	499
		LIQUID TEMPERATURE (°F)	59	71	82	92	103	114	124
		LIQUID SUBCOOLING (°F)	14	13	12	12	11	10	10
		SUCTION PRESSURE (PSIG)	115	123	131	138	145	151	157
		SUCTION TEMPERATURE (°F)	72	71	70	69	67	65	62
		SUCTION SUPERHEAT (°F)	33	29	25	21	16	12	7
		OUTDOOR UNIT CURRENT (A)	7.7	8.4	9.4	10.5	11.8	13.3	15.0
		COMPRESSOR CURRENT (A)	6.5	7.3	8.3	9.4	10.7	12.2	13.9
	INDOOR COIL DB TEMP DROP (°F)	17	17	17	17	17	17	17	
	1200	LIQUID PRESSURE (PSIG)	214	251	292	338	388	442	501
		LIQUID TEMPERATURE (°F)	59	70	81	92	103	113	123
		LIQUID SUBCOOLING (°F)	15	14	13	13	12	11	11
		SUCTION PRESSURE (PSIG)	117	125	133	140	147	153	159
		SUCTION TEMPERATURE (°F)	73	73	72	71	69	67	64
		SUCTION SUPERHEAT (°F)	34	30	26	22	17	13	8
		OUTDOOR UNIT CURRENT (A)	7.7	8.4	9.4	10.5	11.8	13.3	15.0
		COMPRESSOR CURRENT (A)	6.5	7.3	8.3	9.4	10.7	12.2	13.9
	INDOOR COIL DB TEMP DROP (°F)	15	15	15	15	15	15	15	
	1400	LIQUID PRESSURE (PSIG)	216	253	294	340	390	444	503
		LIQUID TEMPERATURE (°F)	59	70	81	91	102	113	122
		LIQUID SUBCOOLING (°F)	16	15	14	14	13	12	12
		SUCTION PRESSURE (PSIG)	119	127	135	142	149	155	161
		SUCTION TEMPERATURE (°F)	75	75	74	73	71	69	66
		SUCTION SUPERHEAT (°F)	35	31	27	23	18	14	9
OUTDOOR UNIT CURRENT (A)		7.7	8.4	9.4	10.5	11.8	13.3	15.0	
COMPRESSOR CURRENT (A)		6.5	7.3	8.3	9.4	10.7	12.2	13.9	
INDOOR COIL DB TEMP DROP (°F)	13	13	13	13	13	13	13		



FOR USE WITH MODELS WITH ORIFICE:

YCD36B23S

TC3B3623S

RAC13L36B24S

QC3B36B23S

YCD36B22S Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	98	102	106	111	115	119	123	128	132	136	140	144	149	153	157
	Suction Temperature (°F)														
55	64	67	71	..	..	..	..	..	..	..	..	..	..	..	..
60	..	61	64	70	73	..	..	..	..	..	..	..	..	..	..
65	..	..	59	62	66	72	..	..	..	..	..	..	..	..	..
70	..	..	..	58	61	66	71	..	..	..	..	..	..	..	..
75	..	..	..	54	57	62	68	72	..	..	..	..	..	..	..
80	..	..	..	..	53	58	64	70	72	..	..	..	..	..	..
85	..	..	..	..	..	53	59	65	68	71	..	..	..	..	..
90	..	..	..	..	..	..	53	59	63	67	71	..	..	..	..
95	..	..	..	..	..	..	50	56	60	64	68	71	..	..	..
100	..	..	..	..	..	..	..	49	55	59	63	66	70	..	..
105	..	..	..	..	..	..	..	..	50	54	58	62	66	..	..
110	..	..	..	..	..	..	..	..	48	51	55	58	63	66	..
115	..	..	..	..	..	..	..	..	..	49	52	55	59	63	66

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

YCD36B22S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1000	LIQUID PRESSURE (PSIG)	198	234	273	317	364	416	471
		LIQUID TEMPERATURE (°F)	58	71	82	93	104	115	125
		LIQUID SUBCOOLING (°F)	11	9	8	7	6	5	4
		SUCTION PRESSURE (PSIG)	104	111	117	122	127	131	135
		SUCTION TEMPERATURE (°F)	61	58	54	52	50	47	47
		SUCTION SUPERHEAT (°F)	28	21	15	10	6	2	0
		OUTDOOR UNIT CURRENT (A)	7.1	8.0	9.0	10.1	11.3	12.6	14.1
		COMPRESSOR CURRENT (A)	6.0	6.9	7.9	9.1	10.3	11.6	13.0
		INDOOR COIL DB TEMP DROP (°F)	21	22	22	23	22	22	21
	1200	LIQUID PRESSURE (PSIG)	200	236	275	319	366	418	473
		LIQUID TEMPERATURE (°F)	58	70	81	92	103	114	125
		LIQUID SUBCOOLING (°F)	12	10	9	8	7	6	5
		SUCTION PRESSURE (PSIG)	106	113	119	124	129	133	137
		SUCTION TEMPERATURE (°F)	64	61	57	55	53	50	49
		SUCTION SUPERHEAT (°F)	30	23	17	12	8	4	1
		OUTDOOR UNIT CURRENT (A)	7.1	8.0	9.0	10.1	11.3	12.6	14.1
		COMPRESSOR CURRENT (A)	6.0	6.9	7.9	9.1	10.3	11.6	13.0
		INDOOR COIL DB TEMP DROP (°F)	19	20	20	21	20	20	19
	1400	LIQUID PRESSURE (PSIG)	202	238	277	321	368	420	475
		LIQUID TEMPERATURE (°F)	57	70	81	92	103	114	124
		LIQUID SUBCOOLING (°F)	13	11	10	9	8	7	6
		SUCTION PRESSURE (PSIG)	108	115	121	126	131	135	139
		SUCTION TEMPERATURE (°F)	66	63	59	56	54	52	51
		SUCTION SUPERHEAT (°F)	31	24	18	13	9	5	2
OUTDOOR UNIT CURRENT (A)		7.1	8.0	9.0	10.1	11.3	12.6	14.1	
COMPRESSOR CURRENT (A)		6.0	6.9	7.9	9.1	10.3	11.6	13.0	
INDOOR COIL DB TEMP DROP (°F)		17	18	18	19	18	18	17	

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## YCD36B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1000	LIQUID PRESSURE (PSIG)	196	231	270	314	362	414	471
		LIQUID TEMPERATURE (°F)	60	71	83	94	104	114	124
		LIQUID SUBCOOLING (°F)	9	8	6	5	5	5	5
		SUCTION PRESSURE (PSIG)	97	104	110	116	122	128	134
		SUCTION TEMPERATURE (°F)	60	56	53	50	49	46	47
		SUCTION SUPERHEAT (°F)	30	23	17	11	7	2	0
		OUTDOOR UNIT CURRENT (A)	7.1	8.0	9.0	10.1	11.3	12.6	14.1
		COMPRESSOR CURRENT (A)	6.0	6.9	7.9	9.0	10.3	11.6	13.0
	INDOOR COIL DB TEMP DROP (°F)	28	29	29	28	28	27	25	
	1200	LIQUID PRESSURE (PSIG)	198	233	272	316	364	416	473
		LIQUID TEMPERATURE (°F)	59	70	83	94	104	114	124
		LIQUID SUBCOOLING (°F)	10	9	7	6	6	6	6
		SUCTION PRESSURE (PSIG)	101	108	114	120	126	132	138
		SUCTION TEMPERATURE (°F)	65	61	58	55	53	51	50
		SUCTION SUPERHEAT (°F)	33	26	20	14	10	5	2
		OUTDOOR UNIT CURRENT (A)	7.1	8.0	9.0	10.1	11.3	12.6	14.1
		COMPRESSOR CURRENT (A)	6.0	6.9	7.9	9.0	10.3	11.6	13.0
	INDOOR COIL DB TEMP DROP (°F)	25	26	26	25	25	24	22	
	1400	LIQUID PRESSURE (PSIG)	200	235	274	318	366	418	475
		LIQUID TEMPERATURE (°F)	59	70	82	93	103	113	123
		LIQUID SUBCOOLING (°F)	11	10	8	7	7	7	7
		SUCTION PRESSURE (PSIG)	105	112	118	124	130	136	142
		SUCTION TEMPERATURE (°F)	70	66	63	60	58	55	55
		SUCTION SUPERHEAT (°F)	36	29	23	17	13	8	5
		OUTDOOR UNIT CURRENT (A)	7.1	8.0	9.0	10.1	11.3	12.6	14.1
		COMPRESSOR CURRENT (A)	6.0	6.9	7.9	9.0	10.3	11.6	13.0
	INDOOR COIL DB TEMP DROP (°F)	22	23	23	22	22	21	19	
	80/62	1000	LIQUID PRESSURE (PSIG)	199	233	272	315	363	415
LIQUID TEMPERATURE (°F)			58	70	82	93	104	115	125
LIQUID SUBCOOLING (°F)			11	9	8	7	6	5	4
SUCTION PRESSURE (PSIG)			103	109	115	121	126	131	135
SUCTION TEMPERATURE (°F)			64	61	58	55	52	49	47
SUCTION SUPERHEAT (°F)			31	25	19	14	9	4	0
OUTDOOR UNIT CURRENT (A)			7.1	8.0	9.0	10.1	11.3	12.6	14.1
COMPRESSOR CURRENT (A)			6.0	6.9	7.9	9.0	10.3	11.6	13.0
INDOOR COIL DB TEMP DROP (°F)		25	26	27	27	27	26	25	
1200		LIQUID PRESSURE (PSIG)	201	235	274	317	365	417	473
		LIQUID TEMPERATURE (°F)	58	70	81	92	103	114	125
		LIQUID SUBCOOLING (°F)	12	10	9	8	7	6	5
		SUCTION PRESSURE (PSIG)	106	112	118	124	129	134	138
		SUCTION TEMPERATURE (°F)	67	64	61	59	56	53	50
		SUCTION SUPERHEAT (°F)	33	27	21	16	11	6	2
		OUTDOOR UNIT CURRENT (A)	7.1	8.0	9.0	10.1	11.3	12.6	14.1
		COMPRESSOR CURRENT (A)	6.0	6.9	7.9	9.0	10.3	11.6	13.0
INDOOR COIL DB TEMP DROP (°F)		22	23	24	24	24	23	22	
1400		LIQUID PRESSURE (PSIG)	203	237	276	319	367	419	475
		LIQUID TEMPERATURE (°F)	58	69	81	91	102	113	124
		LIQUID SUBCOOLING (°F)	13	11	10	9	8	7	6
		SUCTION PRESSURE (PSIG)	109	115	121	127	132	137	141
		SUCTION TEMPERATURE (°F)	71	68	64	62	59	56	53
		SUCTION SUPERHEAT (°F)	35	29	23	18	13	8	4
		OUTDOOR UNIT CURRENT (A)	7.1	8.0	9.0	10.1	11.3	12.6	14.1
		COMPRESSOR CURRENT (A)	6.0	6.9	7.9	9.0	10.3	11.6	13.0
INDOOR COIL DB TEMP DROP (°F)		19	20	21	21	21	20	19	

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## YCD36B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1000	LIQUID PRESSURE (PSIG)	202	237	276	320	369	421	479
		LIQUID TEMPERATURE (°F)	57	68	80	91	102	113	124
		LIQUID SUBCOOLING (°F)	13	12	11	10	9	8	7
		SUCTION PRESSURE (PSIG)	107	115	122	128	134	139	144
		SUCTION TEMPERATURE (°F)	68	67	65	62	61	57	53
		SUCTION SUPERHEAT (°F)	33	28	23	18	14	8	2
		OUTDOOR UNIT CURRENT (A)	7.1	8.0	9.0	10.1	11.4	12.8	14.2
		COMPRESSOR CURRENT (A)	6.0	6.9	8.0	9.1	10.3	11.7	13.2
	INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	22	21	21	
	1200	LIQUID PRESSURE (PSIG)	203	238	277	321	370	422	480
		LIQUID TEMPERATURE (°F)	58	69	80	91	102	113	124
		LIQUID SUBCOOLING (°F)	13	12	11	10	9	8	7
		SUCTION PRESSURE (PSIG)	109	117	124	130	136	141	146
		SUCTION TEMPERATURE (°F)	71	69	68	65	63	59	55
		SUCTION SUPERHEAT (°F)	35	30	25	20	16	10	4
		OUTDOOR UNIT CURRENT (A)	7.1	8.0	9.0	10.1	11.4	12.8	14.2
		COMPRESSOR CURRENT (A)	6.0	6.9	8.0	9.1	10.3	11.7	13.2
	INDOOR COIL DB TEMP DROP (°F)	18	19	19	19	20	19	19	
	1400	LIQUID PRESSURE (PSIG)	204	239	278	322	371	423	481
		LIQUID TEMPERATURE (°F)	58	69	80	91	102	113	124
		LIQUID SUBCOOLING (°F)	13	12	11	10	9	8	7
		SUCTION PRESSURE (PSIG)	111	119	126	132	138	143	148
		SUCTION TEMPERATURE (°F)	74	72	70	68	66	62	58
		SUCTION SUPERHEAT (°F)	37	32	27	22	18	12	6
		OUTDOOR UNIT CURRENT (A)	7.1	8.0	9.0	10.1	11.4	12.8	14.2
		COMPRESSOR CURRENT (A)	6.0	6.9	8.0	9.1	10.3	11.7	13.2
	INDOOR COIL DB TEMP DROP (°F)	16	17	17	17	18	17	17	
	80/72	1000	LIQUID PRESSURE (PSIG)	203	239	279	324	373	427
LIQUID TEMPERATURE (°F)			58	68	79	91	101	112	122
LIQUID SUBCOOLING (°F)			13	13	12	11	11	10	10
SUCTION PRESSURE (PSIG)			107	118	127	135	142	148	154
SUCTION TEMPERATURE (°F)			70	71	70	69	68	65	63
SUCTION SUPERHEAT (°F)			35	31	26	22	18	13	9
OUTDOOR UNIT CURRENT (A)			7.2	8.1	9.1	10.2	11.5	12.9	14.4
COMPRESSOR CURRENT (A)			6.1	7.0	8.0	9.2	10.4	11.9	13.4
INDOOR COIL DB TEMP DROP (°F)		16	17	17	17	17	17	17	
1200		LIQUID PRESSURE (PSIG)	205	241	281	326	375	429	487
		LIQUID TEMPERATURE (°F)	58	69	80	91	101	112	122
		LIQUID SUBCOOLING (°F)	13	13	12	11	11	10	10
		SUCTION PRESSURE (PSIG)	109	120	129	137	144	150	156
		SUCTION TEMPERATURE (°F)	72	73	72	71	70	67	65
		SUCTION SUPERHEAT (°F)	36	32	27	23	19	14	10
		OUTDOOR UNIT CURRENT (A)	7.2	8.1	9.1	10.2	11.5	12.9	14.4
		COMPRESSOR CURRENT (A)	6.1	7.0	8.0	9.2	10.4	11.9	13.4
INDOOR COIL DB TEMP DROP (°F)		14	15	15	15	15	15	15	
1400		LIQUID PRESSURE (PSIG)	207	243	283	328	377	431	489
		LIQUID TEMPERATURE (°F)	59	69	80	91	101	112	122
		LIQUID SUBCOOLING (°F)	13	13	12	11	11	10	10
		SUCTION PRESSURE (PSIG)	111	122	131	139	146	152	158
		SUCTION TEMPERATURE (°F)	74	75	73	73	71	69	67
		SUCTION SUPERHEAT (°F)	37	33	28	24	20	15	11
		OUTDOOR UNIT CURRENT (A)	7.2	8.1	9.1	10.2	11.5	12.9	14.4
		COMPRESSOR CURRENT (A)	6.1	7.0	8.0	9.2	10.4	11.9	13.4
INDOOR COIL DB TEMP DROP (°F)		12	13	13	13	13	13	13	

FOR USE WITH MODELS WITH ORIFICE:

**YCD42B21(S,H)**

**TC3B4221(S,H)**

**RAC13L42B21S**

**QC3B42B21S**

YCD42B21(S,H) Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	99	104	108	113	118	123	127	132	137	141	146	151	156	160	165
	Suction Temperature (°F)														
55	58	63	67	71	..	..	..	..	..	..	..	..	..	..	..
60	..	56	60	65	71	..	..	..	..	..	..	..	..	..	..
65	..	..	54	59	64	70	..	..	..	..	..	..	..	..	..
70	..	..	..	53	59	65	70	..	..	..	..	..	..	..	..
75	..	..	..	..	53	59	64	70	..	..	..	..	..	..	..
80	..	..	..	..	48	54	59	65	71	..	..	..	..	..	..
85	..	..	..	..	..	48	53	60	66	71	..	..	..	..	..
90	..	..	..	..	..	..	49	54	60	65	70	..	..	..	..
95	..	..	..	..	..	..	..	47	52	56	62	67	..	..	..
100	..	..	..	..	..	..	..	47	52	55	60	65	..	..	..
105	..	..	..	..	..	..	..	..	49	52	56	61	65	..	..
110	..	..	..	..	..	..	..	..	48	50	54	57	61	64	..
115	..	..	..	..	..	..	..	..	..	50	53	55	58	60	63

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YCD42B21(S,H) W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1200	LIQUID PRESSURE (PSIG)	211	246	284	325	369	416	466
		LIQUID TEMPERATURE (°F)	59	70	80	92	103	115	126
		LIQUID SUBCOOLING (°F)	14	13	12	10	8	5	2
		SUCTION PRESSURE (PSIG)	105	112	119	125	130	135	139
		SUCTION TEMPERATURE (°F)	62	56	52	50	47	47	49
		SUCTION SUPERHEAT (°F)	28	19	12	7	2	0	0
		OUTDOOR UNIT CURRENT (A)	9.4	10.4	11.4	12.5	13.5	14.5	15.5
		COMPRESSOR CURRENT (A)	8.4	9.4	10.4	11.5	12.5	13.5	14.5
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	23	22	20	
	1400	LIQUID PRESSURE (PSIG)	213	248	286	327	371	418	468
		LIQUID TEMPERATURE (°F)	59	69	80	91	102	114	126
		LIQUID SUBCOOLING (°F)	15	14	13	11	9	6	3
		SUCTION PRESSURE (PSIG)	107	114	121	127	132	137	141
		SUCTION TEMPERATURE (°F)	64	58	54	52	49	49	49
		SUCTION SUPERHEAT (°F)	29	20	13	8	3	1	0
		OUTDOOR UNIT CURRENT (A)	9.5	10.5	11.5	12.6	13.6	14.6	15.6
		COMPRESSOR CURRENT (A)	8.5	9.5	10.5	11.6	12.6	13.6	14.6
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	21	21	20	18	
	1600	LIQUID PRESSURE (PSIG)	215	250	288	329	373	420	470
		LIQUID TEMPERATURE (°F)	58	69	79	91	102	114	125
		LIQUID SUBCOOLING (°F)	16	15	14	12	10	7	4
		SUCTION PRESSURE (PSIG)	109	116	123	129	134	139	143
		SUCTION TEMPERATURE (°F)	66	60	56	54	51	51	51
		SUCTION SUPERHEAT (°F)	30	21	14	9	4	2	1
OUTDOOR UNIT CURRENT (A)		9.6	10.6	11.6	12.7	13.7	14.7	15.7	
COMPRESSOR CURRENT (A)		8.6	9.6	10.6	11.7	12.7	13.7	14.7	
INDOOR COIL DB TEMP DROP (°F)	20	20	20	19	19	18	16		

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YCD42B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1200	LIQUID PRESSURE (PSIG)	204	239	277	320	366	415	469
		LIQUID TEMPERATURE (°F)	59	70	81	93	103	115	125
		LIQUID SUBCOOLING (°F)	12	11	10	8	7	5	4
		SUCTION PRESSURE (PSIG)	98	105	113	120	127	134	141
		SUCTION TEMPERATURE (°F)	57	51	48	46	45	47	49
		SUCTION SUPERHEAT (°F)	26	17	10	5	1	0	0
		OUTDOOR UNIT CURRENT (A)	9.3	10.3	11.3	12.3	13.4	14.5	15.6
		COMPRESSOR CURRENT (A)	8.3	9.3	10.3	11.3	12.4	13.5	14.6
	INDOOR COIL DB TEMP DROP (°F)	32	32	31	30	28	26	24	
	1400	LIQUID PRESSURE (PSIG)	207	242	280	323	369	418	472
		LIQUID TEMPERATURE (°F)	59	70	80	92	103	114	124
		LIQUID SUBCOOLING (°F)	13	12	11	9	8	6	5
		SUCTION PRESSURE (PSIG)	102	109	117	124	131	138	145
		SUCTION TEMPERATURE (°F)	62	56	52	51	49	49	51
		SUCTION SUPERHEAT (°F)	29	20	13	8	4	1	0
		OUTDOOR UNIT CURRENT (A)	9.4	10.4	11.4	12.4	13.5	14.6	15.7
		COMPRESSOR CURRENT (A)	8.4	9.4	10.4	11.4	12.5	13.6	14.7
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	25	23	21	
	1600	LIQUID PRESSURE (PSIG)	210	245	283	326	372	421	475
		LIQUID TEMPERATURE (°F)	59	70	80	92	102	114	124
		LIQUID SUBCOOLING (°F)	14	13	12	10	9	7	6
		SUCTION PRESSURE (PSIG)	106	113	121	128	135	142	149
		SUCTION TEMPERATURE (°F)	66	61	57	55	54	54	56
		SUCTION SUPERHEAT (°F)	32	23	16	11	7	4	3
		OUTDOOR UNIT CURRENT (A)	9.5	10.5	11.5	12.5	13.6	14.7	15.8
		COMPRESSOR CURRENT (A)	8.5	9.5	10.5	11.5	12.6	13.7	14.8
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	24	22	20	18	
	80/62	1200	LIQUID PRESSURE (PSIG)	210	245	283	324	369	418
LIQUID TEMPERATURE (°F)			59	70	81	92	103	114	126
LIQUID SUBCOOLING (°F)			14	13	11	10	8	6	3
SUCTION PRESSURE (PSIG)			104	111	118	124	130	136	142
SUCTION TEMPERATURE (°F)			63	58	53	50	48	47	50
SUCTION SUPERHEAT (°F)			30	21	13	7	3	0	0
OUTDOOR UNIT CURRENT (A)			9.4	10.4	11.4	12.5	13.5	14.5	15.6
COMPRESSOR CURRENT (A)			8.3	9.4	10.4	11.5	12.5	13.5	14.6
INDOOR COIL DB TEMP DROP (°F)		27	28	28	27	27	25	23	
1400		LIQUID PRESSURE (PSIG)	212	247	285	326	371	420	471
		LIQUID TEMPERATURE (°F)	58	69	81	91	102	114	125
		LIQUID SUBCOOLING (°F)	15	14	12	11	9	7	4
		SUCTION PRESSURE (PSIG)	107	114	121	127	133	139	145
		SUCTION TEMPERATURE (°F)	67	61	56	53	51	50	51
		SUCTION SUPERHEAT (°F)	32	23	15	9	5	1	0
		OUTDOOR UNIT CURRENT (A)	9.5	10.5	11.5	12.6	13.6	14.6	15.7
		COMPRESSOR CURRENT (A)	8.4	9.5	10.5	11.6	12.6	13.6	14.7
INDOOR COIL DB TEMP DROP (°F)		25	26	26	25	25	23	21	
1600		LIQUID PRESSURE (PSIG)	214	249	287	328	373	422	473
		LIQUID TEMPERATURE (°F)	58	69	80	90	102	113	125
		LIQUID SUBCOOLING (°F)	16	15	13	12	10	8	5
		SUCTION PRESSURE (PSIG)	110	117	124	130	136	142	148
		SUCTION TEMPERATURE (°F)	70	64	60	56	54	53	54
		SUCTION SUPERHEAT (°F)	34	25	17	11	7	3	2
		OUTDOOR UNIT CURRENT (A)	9.6	10.6	11.6	12.7	13.7	14.7	15.8
		COMPRESSOR CURRENT (A)	8.5	9.6	10.6	11.7	12.7	13.7	14.8
INDOOR COIL DB TEMP DROP (°F)		23	24	24	23	23	21	19	

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## YCD42B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1200	LIQUID PRESSURE (PSIG)	216	251	290	332	377	425	477
		LIQUID TEMPERATURE (°F)	60	70	81	91	102	113	124
		LIQUID SUBCOOLING (°F)	15	14	13	12	10	8	6
		SUCTION PRESSURE (PSIG)	110	118	126	133	142	145	150
		SUCTION TEMPERATURE (°F)	68	66	64	63	57	55	53
		SUCTION SUPERHEAT (°F)	32	26	21	17	7	4	0
		OUTDOOR UNIT CURRENT (A)	9.5	10.6	11.6	12.7	13.8	14.8	15.9
		COMPRESSOR CURRENT (A)	8.5	9.5	10.6	11.7	12.8	13.8	14.9
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	23	22	21	
	1400	LIQUID PRESSURE (PSIG)	218	253	292	334	379	427	479
		LIQUID TEMPERATURE (°F)	59	70	80	91	102	113	124
		LIQUID SUBCOOLING (°F)	16	15	14	13	11	9	7
		SUCTION PRESSURE (PSIG)	112	120	128	135	144	147	152
		SUCTION TEMPERATURE (°F)	70	68	66	65	59	57	54
		SUCTION SUPERHEAT (°F)	33	27	22	18	9	5	0
		OUTDOOR UNIT CURRENT (A)	9.6	10.7	11.7	12.8	13.9	14.9	16.0
		COMPRESSOR CURRENT (A)	8.6	9.6	10.7	11.8	12.9	13.9	15.0
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	21	20	19	
	1600	LIQUID PRESSURE (PSIG)	220	255	294	336	381	429	481
		LIQUID TEMPERATURE (°F)	59	69	80	90	101	112	123
		LIQUID SUBCOOLING (°F)	17	16	15	14	12	10	8
		SUCTION PRESSURE (PSIG)	114	122	130	137	145	149	154
		SUCTION TEMPERATURE (°F)	72	70	68	67	61	59	55
		SUCTION SUPERHEAT (°F)	34	28	23	19	10	6	1
		OUTDOOR UNIT CURRENT (A)	9.7	10.8	11.8	12.9	14.0	15.0	16.1
		COMPRESSOR CURRENT (A)	8.7	9.7	10.8	11.9	13.0	14.0	15.1
	INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	19	18	17	
	80/72	1200	LIQUID PRESSURE (PSIG)	220	257	296	339	385	434
LIQUID TEMPERATURE (°F)			58	69	79	90	101	112	123
LIQUID SUBCOOLING (°F)			18	17	16	15	13	11	9
SUCTION PRESSURE (PSIG)			114	123	131	140	147	155	162
SUCTION TEMPERATURE (°F)			71	71	70	69	67	64	60
SUCTION SUPERHEAT (°F)			33	29	25	20	15	9	3
OUTDOOR UNIT CURRENT (A)			9.6	10.7	11.8	13.0	14.1	15.2	16.4
COMPRESSOR CURRENT (A)			8.6	9.7	10.8	12.0	13.1	14.2	15.4
INDOOR COIL DB TEMP DROP (°F)		18	19	19	18	18	18	17	
1400		LIQUID PRESSURE (PSIG)	222	259	298	341	387	436	489
		LIQUID TEMPERATURE (°F)	58	69	80	90	101	112	123
		LIQUID SUBCOOLING (°F)	18	17	16	15	13	11	9
		SUCTION PRESSURE (PSIG)	116	125	133	142	149	157	164
		SUCTION TEMPERATURE (°F)	73	73	72	71	69	65	62
		SUCTION SUPERHEAT (°F)	34	30	26	21	16	10	4
		OUTDOOR UNIT CURRENT (A)	9.7	10.8	11.9	13.1	14.2	15.3	16.5
		COMPRESSOR CURRENT (A)	8.7	9.8	10.9	12.1	13.2	14.3	15.5
INDOOR COIL DB TEMP DROP (°F)		16	17	17	16	16	16	15	
1600		LIQUID PRESSURE (PSIG)	224	261	300	343	389	438	491
		LIQUID TEMPERATURE (°F)	59	70	80	91	102	113	124
		LIQUID SUBCOOLING (°F)	18	17	16	15	13	11	9
		SUCTION PRESSURE (PSIG)	118	127	135	144	151	159	166
		SUCTION TEMPERATURE (°F)	75	75	74	73	70	67	64
		SUCTION SUPERHEAT (°F)	35	31	27	22	17	11	5
		OUTDOOR UNIT CURRENT (A)	9.8	10.9	12.0	13.2	14.3	15.4	16.6
		COMPRESSOR CURRENT (A)	8.8	9.9	11.0	12.2	13.3	14.4	15.6
INDOOR COIL DB TEMP DROP (°F)		14	15	15	14	14	14	13	

FOR USE WITH MODELS WITH ORIFICE:

**YCD42B22S**

**TC3B4222S**

**RAC13L42B2(2,3)S**

**QC3B42B22S**

YCD42B22S Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	105	109	113	117	122	126	130	134	138	142	146	151	155	159	163
	Suction Temperature (°F)														
55	60	65	67	71	..	..	..	..	..	..	..	..	..	..	..
60	..	59	62	66	72	..	..	..	..	..	..	..	..	..	..
65	..	..	59	62	66	71	..	..	..	..	..	..	..	..	..
70	..	..	..	58	62	66	71	..	..	..	..	..	..	..	..
75	..	..	..	..	58	62	66	71	..	..	..	..	..	..	..
80	..	..	..	..	55	58	62	66	71	..	..	..	..	..	..
85	..	..	..	..	..	54	58	62	66	71	..	..	..	..	..
90	..	..	..	..	..	..	55	58	62	66	69	..	..	..	..
95	..	..	..	..	..	..	52	54	56	59	63	69	..	..	..
100	..	..	..	..	..	..	..	52	54	58	61	67	..	..	..
105	..	..	..	..	..	..	..	..	53	56	59	64	67	..	..
110	..	..	..	..	..	..	..	..	51	54	56	60	64	68	..
115	..	..	..	..	..	..	..	..	50	52	54	58	61	64	68

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YCD42B22S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1200	LIQUID PRESSURE (PSIG)	210	246	286	330	379	432	489
		LIQUID TEMPERATURE (°F)	57	68	79	90	101	112	122
		LIQUID SUBCOOLING (°F)	16	15	14	13	12	11	10
		SUCTION PRESSURE (PSIG)	110	116	122	127	131	135	138
		SUCTION TEMPERATURE (°F)	63	59	56	54	51	50	49
		SUCTION SUPERHEAT (°F)	27	20	14	10	6	3	1
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.8	12.1	13.5	15.1	16.9
		COMPRESSOR CURRENT (A)	7.7	8.7	9.8	11.0	12.5	14.1	15.9
	INDOOR COIL DB TEMP DROP (°F)	21	22	23	23	22	22	21	
	1400	LIQUID PRESSURE (PSIG)	211	247	287	331	380	433	490
		LIQUID TEMPERATURE (°F)	57	68	79	90	101	112	122
		LIQUID SUBCOOLING (°F)	16	15	14	13	12	11	10
		SUCTION PRESSURE (PSIG)	112	118	124	129	133	137	140
		SUCTION TEMPERATURE (°F)	65	61	58	56	53	52	51
		SUCTION SUPERHEAT (°F)	28	21	15	11	7	4	2
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.8	12.1	13.5	15.1	16.9
		COMPRESSOR CURRENT (A)	7.7	8.7	9.8	11.0	12.5	14.1	15.9
	INDOOR COIL DB TEMP DROP (°F)	19	20	21	21	20	20	19	
	1600	LIQUID PRESSURE (PSIG)	212	248	288	332	381	434	491
		LIQUID TEMPERATURE (°F)	57	68	79	90	101	112	123
		LIQUID SUBCOOLING (°F)	16	15	14	13	12	11	10
		SUCTION PRESSURE (PSIG)	114	120	126	131	135	139	142
		SUCTION TEMPERATURE (°F)	67	63	59	57	55	54	53
		SUCTION SUPERHEAT (°F)	29	22	16	12	8	5	3
OUTDOOR UNIT CURRENT (A)		8.8	9.7	10.8	12.1	13.5	15.1	16.9	
COMPRESSOR CURRENT (A)		7.7	8.7	9.8	11.0	12.5	14.1	15.9	
INDOOR COIL DB TEMP DROP (°F)	17	18	19	19	18	18	17		

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## YCD42B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1200	LIQUID PRESSURE (PSIG)	205	242	283	328	377	430	488
		LIQUID TEMPERATURE (°F)	58	70	81	92	102	113	123
		LIQUID SUBCOOLING (°F)	13	12	11	10	10	9	9
		SUCTION PRESSURE (PSIG)	104	111	117	123	128	134	139
		SUCTION TEMPERATURE (°F)	59	58	55	53	51	51	50
		SUCTION SUPERHEAT (°F)	26	21	16	11	7	4	1
		OUTDOOR UNIT CURRENT (A)	8.7	9.6	10.7	12.0	13.4	15.0	16.8
		COMPRESSOR CURRENT (A)	7.6	8.5	9.7	10.9	12.4	14.0	15.7
	INDOOR COIL DB TEMP DROP (°F)	29	29	29	28	27	26	25	
	1400	LIQUID PRESSURE (PSIG)	207	244	285	330	379	432	490
		LIQUID TEMPERATURE (°F)	58	69	81	92	102	113	122
		LIQUID SUBCOOLING (°F)	14	13	12	11	11	10	10
		SUCTION PRESSURE (PSIG)	108	115	121	127	132	138	143
		SUCTION TEMPERATURE (°F)	63	62	59	57	55	54	53
		SUCTION SUPERHEAT (°F)	28	23	18	13	9	6	3
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.8	12.1	13.5	15.1	16.9
		COMPRESSOR CURRENT (A)	7.7	8.6	9.8	11.0	12.5	14.1	15.8
	INDOOR COIL DB TEMP DROP (°F)	26	26	26	25	24	23	22	
	1600	LIQUID PRESSURE (PSIG)	209	246	287	332	381	434	492
		LIQUID TEMPERATURE (°F)	58	69	80	91	101	112	122
		LIQUID SUBCOOLING (°F)	15	14	13	12	12	11	11
		SUCTION PRESSURE (PSIG)	112	119	125	131	136	142	147
		SUCTION TEMPERATURE (°F)	68	66	64	61	59	59	58
		SUCTION SUPERHEAT (°F)	31	26	21	16	12	9	6
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.9	12.2	13.6	15.2	17.0
		COMPRESSOR CURRENT (A)	7.8	8.7	9.9	11.1	12.6	14.2	15.9
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	21	20	19	
	80/62	1200	LIQUID PRESSURE (PSIG)	211	246	286	331	379	433
LIQUID TEMPERATURE (°F)			58	69	80	91	102	113	122
LIQUID SUBCOOLING (°F)			15	14	13	12	11	10	10
SUCTION PRESSURE (PSIG)			111	117	122	127	131	136	140
SUCTION TEMPERATURE (°F)			64	60	57	54	51	49	49
SUCTION SUPERHEAT (°F)			27	21	15	10	6	2	0
OUTDOOR UNIT CURRENT (A)			8.7	9.7	10.8	12.1	13.6	15.2	17.0
COMPRESSOR CURRENT (A)			7.7	8.6	9.7	11.0	12.5	14.2	16.0
INDOOR COIL DB TEMP DROP (°F)		25	26	26	26	26	25	24	
1400		LIQUID PRESSURE (PSIG)	213	248	288	333	381	435	492
		LIQUID TEMPERATURE (°F)	58	68	79	90	101	112	122
		LIQUID SUBCOOLING (°F)	16	15	14	13	12	11	11
		SUCTION PRESSURE (PSIG)	114	120	125	130	134	139	143
		SUCTION TEMPERATURE (°F)	67	64	60	57	55	53	51
		SUCTION SUPERHEAT (°F)	29	23	17	12	8	4	1
		OUTDOOR UNIT CURRENT (A)	8.8	9.8	10.9	12.2	13.7	15.3	17.1
		COMPRESSOR CURRENT (A)	7.8	8.7	9.8	11.1	12.6	14.3	16.1
INDOOR COIL DB TEMP DROP (°F)		23	24	24	24	24	23	22	
1600		LIQUID PRESSURE (PSIG)	215	250	290	335	383	437	494
		LIQUID TEMPERATURE (°F)	57	68	79	90	101	112	121
		LIQUID SUBCOOLING (°F)	17	16	15	14	13	12	12
		SUCTION PRESSURE (PSIG)	117	123	128	133	137	142	146
		SUCTION TEMPERATURE (°F)	70	67	63	60	58	56	54
		SUCTION SUPERHEAT (°F)	31	25	19	14	10	6	3
		OUTDOOR UNIT CURRENT (A)	8.9	9.9	11.0	12.3	13.8	15.4	17.2
		COMPRESSOR CURRENT (A)	7.9	8.8	9.9	11.2	12.7	14.4	16.2
INDOOR COIL DB TEMP DROP (°F)		21	22	22	22	22	21	20	



## YCD42B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1200	LIQUID PRESSURE (PSIG)	214	251	292	337	386	440	498
		LIQUID TEMPERATURE (°F)	57	68	79	90	101	111	122
		LIQUID SUBCOOLING (°F)	17	16	15	14	13	13	12
		SUCTION PRESSURE (PSIG)	114	122	129	135	142	145	149
		SUCTION TEMPERATURE (°F)	69	68	67	64	60	57	55
		SUCTION SUPERHEAT (°F)	31	26	22	17	10	6	2
		OUTDOOR UNIT CURRENT (A)	8.9	9.9	11.0	12.3	13.8	15.4	17.3
		COMPRESSOR CURRENT (A)	7.8	8.8	9.9	11.3	12.7	14.4	16.2
	INDOOR COIL DB TEMP DROP (°F)	20	21	21	22	22	22	21	
	1400	LIQUID PRESSURE (PSIG)	215	252	293	338	387	441	499
		LIQUID TEMPERATURE (°F)	57	68	80	91	101	111	122
		LIQUID SUBCOOLING (°F)	17	16	15	14	13	13	12
		SUCTION PRESSURE (PSIG)	116	124	131	137	144	147	151
		SUCTION TEMPERATURE (°F)	71	70	68	66	61	58	56
		SUCTION SUPERHEAT (°F)	32	27	23	18	11	7	3
		OUTDOOR UNIT CURRENT (A)	8.9	9.9	11.0	12.3	13.8	15.4	17.3
		COMPRESSOR CURRENT (A)	7.8	8.8	9.9	11.3	12.7	14.4	16.2
	INDOOR COIL DB TEMP DROP (°F)	18	19	19	20	20	20	19	
	1600	LIQUID PRESSURE (PSIG)	216	253	294	339	388	442	500
		LIQUID TEMPERATURE (°F)	58	69	80	91	102	111	122
		LIQUID SUBCOOLING (°F)	17	16	15	14	13	13	12
		SUCTION PRESSURE (PSIG)	118	126	133	139	146	149	153
		SUCTION TEMPERATURE (°F)	73	71	70	68	63	61	58
		SUCTION SUPERHEAT (°F)	33	28	24	19	12	8	4
OUTDOOR UNIT CURRENT (A)		8.9	9.9	11.0	12.3	13.8	15.4	17.3	
COMPRESSOR CURRENT (A)		7.8	8.8	9.9	11.3	12.7	14.4	16.2	
INDOOR COIL DB TEMP DROP (°F)	16	17	17	18	18	18	17		
80/72	1200	LIQUID PRESSURE (PSIG)	216	253	294	340	390	445	505
		LIQUID TEMPERATURE (°F)	57	68	79	89	100	111	121
		LIQUID SUBCOOLING (°F)	18	17	16	16	15	14	14
		SUCTION PRESSURE (PSIG)	116	126	134	141	148	154	159
		SUCTION TEMPERATURE (°F)	71	71	72	70	69	67	65
		SUCTION SUPERHEAT (°F)	32	28	25	21	17	13	9
		OUTDOOR UNIT CURRENT (A)	9.0	9.9	11.0	12.3	13.8	15.5	17.4
		COMPRESSOR CURRENT (A)	7.9	8.8	9.9	11.2	12.8	14.5	16.4
	INDOOR COIL DB TEMP DROP (°F)	16	17	17	17	17	17	17	
	1400	LIQUID PRESSURE (PSIG)	218	255	296	342	392	447	507
		LIQUID TEMPERATURE (°F)	57	68	79	89	100	111	121
		LIQUID SUBCOOLING (°F)	18	17	16	16	15	14	14
		SUCTION PRESSURE (PSIG)	118	128	136	143	150	156	161
		SUCTION TEMPERATURE (°F)	73	73	73	72	71	69	67
		SUCTION SUPERHEAT (°F)	33	29	26	22	18	14	10
		OUTDOOR UNIT CURRENT (A)	9.0	9.9	11.0	12.3	13.8	15.5	17.4
		COMPRESSOR CURRENT (A)	7.9	8.8	9.9	11.2	12.8	14.5	16.4
	INDOOR COIL DB TEMP DROP (°F)	14	15	15	15	15	15	15	
	1600	LIQUID PRESSURE (PSIG)	220	257	298	344	394	449	509
		LIQUID TEMPERATURE (°F)	58	69	80	90	101	112	121
		LIQUID SUBCOOLING (°F)	18	17	16	16	15	14	14
		SUCTION PRESSURE (PSIG)	120	130	138	145	152	158	163
		SUCTION TEMPERATURE (°F)	75	75	75	74	73	71	69
		SUCTION SUPERHEAT (°F)	34	30	27	23	19	15	11
OUTDOOR UNIT CURRENT (A)		9.0	9.9	11.0	12.3	13.8	15.5	17.4	
COMPRESSOR CURRENT (A)		7.9	8.8	9.9	11.2	12.8	14.5	16.4	
INDOOR COIL DB TEMP DROP (°F)	12	13	13	13	13	13	13		

FOR USE WITH MODELS WITH ORIFICE:

**YCD42B23S**

**TC3B4223S**

**RAC13L42B24S**

**QC3B42B22S**

YCD42B23S Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	103	107	111	115	118	122	126	130	134	138	142	145	149	153	157
	Suction Temperature (°F)														
55	60	63	67	71	..	..	..	..	..	..	..	..	..	..	..
60	..	56	59	65	70	..	..	..	..	..	..	..	..	..	..
65	..	..	54	59	63	70	..	..	..	..	..	..	..	..	..
70	..	..	49	53	57	64	71	..	..	..	..	..	..	..	..
75	..	..	..	48	52	58	64	71	..	..	..	..	..	..	..
80	..	..	..	..	47	53	59	64	70	..	..	..	..	..	..
85	..	..	..	..	..	47	52	58	64	70	..	..	..	..	..
90	..	..	..	..	..	43	49	54	59	66	72	..	..	..	..
95	..	..	..	..	..	..	45	48	52	57	62	68	..	..	..
100	..	..	..	..	..	..	..	47	52	54	59	65	70	..	..
105	..	..	..	..	..	..	..	..	48	53	57	61	65	..	..
110	..	..	..	..	..	..	..	..	47	50	54	57	61	65	..
115	..	..	..	..	..	..	..	..	47	49	51	53	57	61	65

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YCD42B23S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1200	LIQUID PRESSURE (PSIG)	200	234	272	314	360	410	464
		LIQUID TEMPERATURE (°F)	59	71	82	93	104	115	126
		LIQUID SUBCOOLING (°F)	11	9	8	6	5	4	2
		SUCTION PRESSURE (PSIG)	109	114	119	123	127	131	134
		SUCTION TEMPERATURE (°F)	61	55	51	47	46	45	47
		SUCTION SUPERHEAT (°F)	25	17	11	5	2	0	0
		OUTDOOR UNIT CURRENT (A)	8.8	9.8	10.9	12.2	13.5	14.9	16.5
		COMPRESSOR CURRENT (A)	7.7	8.7	9.8	11.1	12.4	13.9	15.4
		INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	23	22	21
	1400	LIQUID PRESSURE (PSIG)	202	236	274	316	362	412	466
		LIQUID TEMPERATURE (°F)	58	70	81	93	103	114	125
		LIQUID SUBCOOLING (°F)	12	10	9	7	6	5	3
		SUCTION PRESSURE (PSIG)	111	116	121	125	129	133	136
		SUCTION TEMPERATURE (°F)	63	57	53	49	48	47	47
		SUCTION SUPERHEAT (°F)	26	18	12	6	3	1	0
		OUTDOOR UNIT CURRENT (A)	8.8	9.8	10.9	12.2	13.5	14.9	16.5
		COMPRESSOR CURRENT (A)	7.7	8.7	9.8	11.1	12.4	13.9	15.4
		INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	21	20	19
	1600	LIQUID PRESSURE (PSIG)	204	238	276	318	364	414	468
		LIQUID TEMPERATURE (°F)	58	70	81	92	103	113	125
		LIQUID SUBCOOLING (°F)	13	11	10	8	7	6	4
		SUCTION PRESSURE (PSIG)	113	118	123	127	131	135	138
		SUCTION TEMPERATURE (°F)	65	59	55	51	49	49	49
		SUCTION SUPERHEAT (°F)	27	19	13	7	4	2	1
OUTDOOR UNIT CURRENT (A)		8.8	9.8	10.9	12.2	13.5	14.9	16.5	
COMPRESSOR CURRENT (A)		7.7	8.7	9.8	11.1	12.4	13.9	15.4	
INDOOR COIL DB TEMP DROP (°F)		19	19	19	19	19	18	17	

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## YCD42B23S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1200	LIQUID PRESSURE (PSIG)	195	229	268	311	358	410	467
		LIQUID TEMPERATURE (°F)	59	70	82	93	104	115	125
		LIQUID SUBCOOLING (°F)	9	8	7	6	5	4	4
		SUCTION PRESSURE (PSIG)	102	107	113	118	124	130	136
		SUCTION TEMPERATURE (°F)	57	51	47	44	43	45	47
		SUCTION SUPERHEAT (°F)	24	16	9	4	0	0	0
		OUTDOOR UNIT CURRENT (A)	8.6	9.7	10.9	12.2	13.6	15.1	16.6
		COMPRESSOR CURRENT (A)	7.5	8.6	9.8	11.1	12.5	14.0	15.6
	INDOOR COIL DB TEMP DROP (°F)	30	30	29	28	28	26	25	
	1400	LIQUID PRESSURE (PSIG)	197	231	270	313	360	412	469
		LIQUID TEMPERATURE (°F)	59	70	81	92	103	114	124
		LIQUID SUBCOOLING (°F)	10	9	8	7	6	5	5
		SUCTION PRESSURE (PSIG)	106	111	117	122	128	134	140
		SUCTION TEMPERATURE (°F)	61	56	51	49	47	48	49
		SUCTION SUPERHEAT (°F)	27	19	12	7	3	1	0
		OUTDOOR UNIT CURRENT (A)	8.6	9.7	10.9	12.2	13.6	15.1	16.6
		COMPRESSOR CURRENT (A)	7.5	8.6	9.8	11.1	12.5	14.0	15.6
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	25	23	22	
	1600	LIQUID PRESSURE (PSIG)	199	233	272	315	362	414	471
		LIQUID TEMPERATURE (°F)	58	69	81	92	102	113	123
		LIQUID SUBCOOLING (°F)	11	10	9	8	7	6	6
		SUCTION PRESSURE (PSIG)	110	115	121	126	132	138	144
		SUCTION TEMPERATURE (°F)	66	61	56	53	52	52	54
		SUCTION SUPERHEAT (°F)	30	22	15	10	6	4	3
		OUTDOOR UNIT CURRENT (A)	8.6	9.7	10.9	12.2	13.6	15.1	16.6
		COMPRESSOR CURRENT (A)	7.5	8.6	9.8	11.1	12.5	14.0	15.6
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	22	20	19	
	80/62	1200	LIQUID PRESSURE (PSIG)	202	235	272	314	361	412
LIQUID TEMPERATURE (°F)			58	70	82	92	103	114	125
LIQUID SUBCOOLING (°F)			12	10	8	7	6	5	4
SUCTION PRESSURE (PSIG)			109	113	117	122	127	132	137
SUCTION TEMPERATURE (°F)			61	56	51	49	47	46	48
SUCTION SUPERHEAT (°F)			25	18	12	7	3	0	0
OUTDOOR UNIT CURRENT (A)			8.8	9.8	10.9	12.2	13.5	15.0	16.6
COMPRESSOR CURRENT (A)			7.7	8.7	9.8	11.1	12.5	14.0	15.5
INDOOR COIL DB TEMP DROP (°F)		26	27	27	27	26	25	24	
1400		LIQUID PRESSURE (PSIG)	203	236	273	315	362	413	469
		LIQUID TEMPERATURE (°F)	59	70	82	93	103	114	125
		LIQUID SUBCOOLING (°F)	12	10	8	7	6	5	4
		SUCTION PRESSURE (PSIG)	112	116	120	125	130	135	140
		SUCTION TEMPERATURE (°F)	65	60	56	53	51	49	49
		SUCTION SUPERHEAT (°F)	28	21	15	10	6	2	0
		OUTDOOR UNIT CURRENT (A)	8.8	9.8	10.9	12.2	13.5	15.0	16.6
		COMPRESSOR CURRENT (A)	7.7	8.7	9.8	11.1	12.5	14.0	15.5
INDOOR COIL DB TEMP DROP (°F)		24	25	25	25	24	23	22	
1600		LIQUID PRESSURE (PSIG)	204	237	274	316	363	414	470
		LIQUID TEMPERATURE (°F)	59	70	82	93	104	114	125
		LIQUID SUBCOOLING (°F)	12	10	8	7	6	5	4
		SUCTION PRESSURE (PSIG)	115	119	123	128	133	138	143
		SUCTION TEMPERATURE (°F)	70	64	60	57	55	53	53
		SUCTION SUPERHEAT (°F)	31	24	18	13	9	5	3
		OUTDOOR UNIT CURRENT (A)	8.8	9.8	10.9	12.2	13.5	15.0	16.6
		COMPRESSOR CURRENT (A)	7.7	8.7	9.8	11.1	12.5	14.0	15.5
INDOOR COIL DB TEMP DROP (°F)		22	23	23	23	22	21	20	

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## YCD42B23S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1200	LIQUID PRESSURE (PSIG)	202	236	275	317	364	416	472
		LIQUID TEMPERATURE (°F)	58	69	81	92	103	114	124
		LIQUID SUBCOOLING (°F)	12	11	9	8	7	6	5
		SUCTION PRESSURE (PSIG)	112	118	124	129	136	139	144
		SUCTION TEMPERATURE (°F)	68	67	65	62	56	55	52
		SUCTION SUPERHEAT (°F)	31	27	22	17	9	6	1
		OUTDOOR UNIT CURRENT (A)	8.7	9.8	10.9	12.2	13.6	15.1	16.7
		COMPRESSOR CURRENT (A)	7.6	8.7	9.8	11.1	12.5	14.0	15.7
	INDOOR COIL DB TEMP DROP (°F)	21	22	22	23	23	22	21	
	1400	LIQUID PRESSURE (PSIG)	203	237	276	318	365	417	473
		LIQUID TEMPERATURE (°F)	59	69	82	92	103	114	125
		LIQUID SUBCOOLING (°F)	12	11	9	8	7	6	5
		SUCTION PRESSURE (PSIG)	114	120	126	131	138	141	146
		SUCTION TEMPERATURE (°F)	70	69	66	63	58	56	53
		SUCTION SUPERHEAT (°F)	32	28	23	18	10	7	2
		OUTDOOR UNIT CURRENT (A)	8.7	9.8	10.9	12.2	13.6	15.1	16.7
		COMPRESSOR CURRENT (A)	7.6	8.7	9.8	11.1	12.5	14.0	15.7
	INDOOR COIL DB TEMP DROP (°F)	19	20	20	21	21	20	19	
	1600	LIQUID PRESSURE (PSIG)	204	238	277	319	366	418	474
		LIQUID TEMPERATURE (°F)	59	70	82	92	103	114	125
		LIQUID SUBCOOLING (°F)	12	11	9	8	7	6	5
		SUCTION PRESSURE (PSIG)	116	122	128	133	140	143	148
		SUCTION TEMPERATURE (°F)	72	71	68	65	60	58	55
		SUCTION SUPERHEAT (°F)	33	29	24	19	11	8	3
OUTDOOR UNIT CURRENT (A)		8.7	9.8	10.9	12.2	13.6	15.1	16.7	
COMPRESSOR CURRENT (A)		7.6	8.7	9.8	11.1	12.5	14.0	15.7	
INDOOR COIL DB TEMP DROP (°F)	17	18	18	19	19	18	17		
80/72	1200	LIQUID PRESSURE (PSIG)	202	238	277	321	369	422	478
		LIQUID TEMPERATURE (°F)	57	69	80	91	102	113	122
		LIQUID SUBCOOLING (°F)	13	12	11	10	9	8	8
		SUCTION PRESSURE (PSIG)	113	121	129	136	142	148	153
		SUCTION TEMPERATURE (°F)	71	71	71	69	68	65	62
		SUCTION SUPERHEAT (°F)	33	30	26	22	18	13	8
		OUTDOOR UNIT CURRENT (A)	8.6	9.8	11.0	12.3	13.8	15.3	16.8
		COMPRESSOR CURRENT (A)	7.5	8.7	9.9	11.3	12.7	14.2	15.8
	INDOOR COIL DB TEMP DROP (°F)	17	17	17	17	17	17	17	
	1400	LIQUID PRESSURE (PSIG)	203	239	278	322	370	423	479
		LIQUID TEMPERATURE (°F)	58	69	80	91	102	113	123
		LIQUID SUBCOOLING (°F)	13	12	11	10	9	8	8
		SUCTION PRESSURE (PSIG)	115	123	131	138	144	150	155
		SUCTION TEMPERATURE (°F)	73	73	72	71	70	67	64
		SUCTION SUPERHEAT (°F)	34	31	27	23	19	14	9
		OUTDOOR UNIT CURRENT (A)	8.6	9.8	11.0	12.3	13.8	15.3	16.8
		COMPRESSOR CURRENT (A)	7.5	8.7	9.9	11.3	12.7	14.2	15.8
	INDOOR COIL DB TEMP DROP (°F)	15	15	15	15	15	15	15	
	1600	LIQUID PRESSURE (PSIG)	204	240	279	323	371	424	480
		LIQUID TEMPERATURE (°F)	58	69	80	91	102	113	123
		LIQUID SUBCOOLING (°F)	13	12	11	10	9	8	8
		SUCTION PRESSURE (PSIG)	117	125	133	140	146	152	157
		SUCTION TEMPERATURE (°F)	74	75	74	73	71	69	65
		SUCTION SUPERHEAT (°F)	35	32	28	24	20	15	10
OUTDOOR UNIT CURRENT (A)		8.6	9.8	11.0	12.3	13.8	15.3	16.8	
COMPRESSOR CURRENT (A)		7.5	8.7	9.9	11.3	12.7	14.2	15.8	
INDOOR COIL DB TEMP DROP (°F)	13	13	13	13	13	13	13		

FOR USE WITH MODELS WITH ORIFICE:

**YCD48B21S**

**TC3B4821S**

**RAC13L48B21S**

**QC3B48B21S**

YCD48B21S Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	105	109	113	117	121	125	129	134	138	142	146	150	154	158	162
	Suction Temperature (°F)														
55	62	65	68	71	72	..	..	..	..	..	..	..	..	..	..
60	..	58	61	64	68	72	..	..	..	..	..	..	..	..	..
65	..	..	56	59	63	67	72	..	..	..	..	..	..	..	..
70	..	..	53	55	58	62	67	73	..	..	..	..	..	..	..
75	..	..	..	52	54	57	61	67	73	..	..	..	..	..	..
80	..	..	..	..	51	59	63	64	68	..	..	..	..	..	..
85	..	..	..	..	..	50	60	65	68	70	..	..	..	..	..
90	..	..	..	..	..	47	51	56	60	64	68	..	..	..	..
95	..	..	..	..	..	..	48	52	56	60	64	68	..	..	..
100	..	..	..	..	..	..	46	50	53	57	60	64	67	..	..
105	..	..	..	..	..	..	..	48	51	54	57	60	63	..	..
110	..	..	..	..	..	..	..	48	50	52	55	57	60	63	..
115	..	..	..	..	..	..	..	..	49	51	53	55	57	59	61

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YCD48B21S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1400	LIQUID PRESSURE (PSIG)	218	255	296	340	387	438	492
		LIQUID TEMPERATURE (°F)	59	70	81	92	103	115	126
		LIQUID SUBCOOLING (°F)	16	15	14	13	11	9	7
		SUCTION PRESSURE (PSIG)	111	117	122	126	130	133	135
		SUCTION TEMPERATURE (°F)	61	55	52	48	47	46	47
		SUCTION SUPERHEAT (°F)	24	16	10	5	2	0	0
		OUTDOOR UNIT CURRENT (A)	10.2	11.4	12.7	14.2	15.9	17.8	19.9
		COMPRESSOR CURRENT (A)	9.3	10.5	11.9	13.4	15.1	17.0	19.1
	INDOOR COIL DB TEMP DROP (°F)	22	22	23	22	22	21	20	
	1600	LIQUID PRESSURE (PSIG)	220	257	298	342	389	440	494
		LIQUID TEMPERATURE (°F)	59	70	81	91	103	114	125
		LIQUID SUBCOOLING (°F)	17	16	15	14	12	10	8
		SUCTION PRESSURE (PSIG)	113	119	124	128	132	135	137
		SUCTION TEMPERATURE (°F)	63	57	54	50	49	48	49
		SUCTION SUPERHEAT (°F)	25	17	11	6	3	1	1
		OUTDOOR UNIT CURRENT (A)	10.3	11.5	12.8	14.3	16.0	17.9	20.0
		COMPRESSOR CURRENT (A)	9.4	10.6	12.0	13.5	15.2	17.1	19.2
	INDOOR COIL DB TEMP DROP (°F)	21	21	22	21	21	20	19	
	1800	LIQUID PRESSURE (PSIG)	222	259	300	344	391	442	496
		LIQUID TEMPERATURE (°F)	58	69	80	91	102	113	124
		LIQUID SUBCOOLING (°F)	18	17	16	15	13	11	9
		SUCTION PRESSURE (PSIG)	115	121	126	130	134	137	139
		SUCTION TEMPERATURE (°F)	65	59	55	52	51	50	51
		SUCTION SUPERHEAT (°F)	26	18	12	7	4	2	2
OUTDOOR UNIT CURRENT (A)		10.4	11.6	12.9	14.4	16.1	18.0	20.1	
COMPRESSOR CURRENT (A)		9.5	10.7	12.1	13.6	15.3	17.2	19.3	
INDOOR COIL DB TEMP DROP (°F)	20	20	21	20	20	19	18		

Continued on next page.

## YCD48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1400	LIQUID PRESSURE (PSIG)	211	247	286	329	377	428	483
		LIQUID TEMPERATURE (°F)	59	70	81	91	101	112	122
		LIQUID SUBCOOLING (°F)	14	13	12	12	11	10	9
		SUCTION PRESSURE (PSIG)	104	110	116	121	126	131	135
		SUCTION TEMPERATURE (°F)	57	52	49	46	44	45	47
		SUCTION SUPERHEAT (°F)	24	16	10	5	1	0	0
		OUTDOOR UNIT CURRENT (A)	10.2	11.2	12.5	14.0	15.6	17.5	19.5
		COMPRESSOR CURRENT (A)	9.3	10.4	11.6	13.1	14.8	16.6	18.7
	INDOOR COIL DB TEMP DROP (°F)	30	30	29	29	28	27	25	
	1600	LIQUID PRESSURE (PSIG)	212	248	287	330	378	429	484
		LIQUID TEMPERATURE (°F)	58	69	80	90	101	111	121
		LIQUID SUBCOOLING (°F)	15	14	13	13	12	11	10
		SUCTION PRESSURE (PSIG)	107	113	119	124	129	134	138
		SUCTION TEMPERATURE (°F)	62	57	53	51	49	49	49
		SUCTION SUPERHEAT (°F)	27	19	13	8	4	2	1
		OUTDOOR UNIT CURRENT (A)	10.2	11.2	12.5	14.0	15.6	17.5	19.5
		COMPRESSOR CURRENT (A)	9.3	10.4	11.6	13.1	14.8	16.6	18.7
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	27	26	25	23	
	1800	LIQUID PRESSURE (PSIG)	213	249	288	331	379	430	485
		LIQUID TEMPERATURE (°F)	58	69	79	89	100	110	121
		LIQUID SUBCOOLING (°F)	16	15	14	14	13	12	11
		SUCTION PRESSURE (PSIG)	110	116	122	127	132	137	141
		SUCTION TEMPERATURE (°F)	66	61	58	55	53	53	53
		SUCTION SUPERHEAT (°F)	30	22	16	11	7	5	4
OUTDOOR UNIT CURRENT (A)		10.2	11.2	12.5	14.0	15.6	17.5	19.5	
COMPRESSOR CURRENT (A)		9.3	10.4	11.6	13.1	14.8	16.6	18.7	
INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	24	23	21		
80/62	1400	LIQUID PRESSURE (PSIG)	215	251	290	333	380	429	482
		LIQUID TEMPERATURE (°F)	59	69	80	90	101	112	122
		LIQUID SUBCOOLING (°F)	15	15	14	13	12	10	9
		SUCTION PRESSURE (PSIG)	109	115	120	124	128	132	136
		SUCTION TEMPERATURE (°F)	65	60	56	52	49	48	47
		SUCTION SUPERHEAT (°F)	29	21	15	9	5	2	0
		OUTDOOR UNIT CURRENT (A)	10.2	11.3	12.6	14.1	15.7	17.5	19.5
		COMPRESSOR CURRENT (A)	9.3	10.5	11.8	13.2	14.9	16.7	18.7
	INDOOR COIL DB TEMP DROP (°F)	26	26	27	27	27	26	25	
	1600	LIQUID PRESSURE (PSIG)	217	253	292	335	382	431	484
		LIQUID TEMPERATURE (°F)	59	69	79	90	100	111	121
		LIQUID SUBCOOLING (°F)	16	16	15	14	13	11	10
		SUCTION PRESSURE (PSIG)	112	118	123	127	131	135	139
		SUCTION TEMPERATURE (°F)	67	62	58	54	51	50	50
		SUCTION SUPERHEAT (°F)	30	22	16	10	6	3	1
		OUTDOOR UNIT CURRENT (A)	10.3	11.4	12.7	14.2	15.8	17.6	19.6
		COMPRESSOR CURRENT (A)	9.4	10.6	11.9	13.3	15.0	16.8	18.8
	INDOOR COIL DB TEMP DROP (°F)	24	24	25	25	25	24	23	
	1800	LIQUID PRESSURE (PSIG)	219	255	294	337	384	433	486
		LIQUID TEMPERATURE (°F)	58	68	79	89	100	111	121
		LIQUID SUBCOOLING (°F)	17	17	16	15	14	12	11
		SUCTION PRESSURE (PSIG)	115	121	126	130	134	138	142
		SUCTION TEMPERATURE (°F)	70	64	60	56	54	52	52
		SUCTION SUPERHEAT (°F)	31	23	17	11	7	4	2
OUTDOOR UNIT CURRENT (A)		10.4	11.5	12.8	14.3	15.9	17.7	19.7	
COMPRESSOR CURRENT (A)		9.5	10.7	12.0	13.4	15.1	16.9	18.9	
INDOOR COIL DB TEMP DROP (°F)	22	22	23	23	23	22	21		

Continued on next page.

## YCD48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1400	LIQUID PRESSURE (PSIG)	224	262	304	350	400	454	512
		LIQUID TEMPERATURE (°F)	59	69	80	91	101	111	122
		LIQUID SUBCOOLING (°F)	18	18	17	16	16	15	14
		SUCTION PRESSURE (PSIG)	116	123	129	135	139	143	146
		SUCTION TEMPERATURE (°F)	68	65	62	63	57	54	51
		SUCTION SUPERHEAT (°F)	29	23	17	16	8	4	0
		OUTDOOR UNIT CURRENT (A)	10.4	11.6	13.0	14.5	16.3	18.3	20.5
		COMPRESSOR CURRENT (A)	9.5	10.7	12.1	13.7	15.5	17.5	19.7
	INDOOR COIL DB TEMP DROP (°F)	21	21	22	22	22	21	20	
	1600	LIQUID PRESSURE (PSIG)	226	264	306	352	402	456	514
		LIQUID TEMPERATURE (°F)	59	70	81	91	101	112	122
		LIQUID SUBCOOLING (°F)	18	18	17	16	16	15	14
		SUCTION PRESSURE (PSIG)	118	125	131	137	141	145	148
		SUCTION TEMPERATURE (°F)	70	67	63	65	58	56	53
		SUCTION SUPERHEAT (°F)	30	24	18	17	9	5	1
		OUTDOOR UNIT CURRENT (A)	10.5	11.7	13.1	14.6	16.4	18.4	20.6
		COMPRESSOR CURRENT (A)	9.6	10.8	12.2	13.8	15.6	17.6	19.8
	INDOOR COIL DB TEMP DROP (°F)	20	20	21	21	21	20	19	
	1800	LIQUID PRESSURE (PSIG)	228	266	308	354	404	458	516
		LIQUID TEMPERATURE (°F)	60	70	81	92	102	112	123
		LIQUID SUBCOOLING (°F)	18	18	17	16	16	15	14
		SUCTION PRESSURE (PSIG)	120	127	133	139	143	147	150
		SUCTION TEMPERATURE (°F)	72	69	65	67	60	58	55
		SUCTION SUPERHEAT (°F)	31	25	19	18	10	6	2
		OUTDOOR UNIT CURRENT (A)	10.6	11.8	13.2	14.7	16.5	18.5	20.7
		COMPRESSOR CURRENT (A)	9.7	10.9	12.3	13.9	15.7	17.7	19.9
	INDOOR COIL DB TEMP DROP (°F)	19	19	20	20	20	19	18	
	80/72	1400	LIQUID PRESSURE (PSIG)	229	267	310	358	410	467
LIQUID TEMPERATURE (°F)			58	69	79	91	101	112	121
LIQUID SUBCOOLING (°F)			20	19	19	18	18	17	17
SUCTION PRESSURE (PSIG)			119	127	135	142	148	154	159
SUCTION TEMPERATURE (°F)			70	71	70	69	66	63	59
SUCTION SUPERHEAT (°F)			30	27	23	19	14	9	3
OUTDOOR UNIT CURRENT (A)			10.6	11.8	13.2	14.8	16.7	18.8	21.1
COMPRESSOR CURRENT (A)			9.7	10.9	12.3	13.9	15.8	18.0	20.3
INDOOR COIL DB TEMP DROP (°F)		16	17	17	17	17	16	16	
1600		LIQUID PRESSURE (PSIG)	231	269	312	360	412	469	530
		LIQUID TEMPERATURE (°F)	59	70	80	91	101	112	122
		LIQUID SUBCOOLING (°F)	20	19	19	18	18	17	17
		SUCTION PRESSURE (PSIG)	121	129	137	144	150	156	161
		SUCTION TEMPERATURE (°F)	72	73	72	71	68	65	61
		SUCTION SUPERHEAT (°F)	31	28	24	20	15	10	4
		OUTDOOR UNIT CURRENT (A)	10.7	11.9	13.3	14.9	16.8	18.9	21.2
		COMPRESSOR CURRENT (A)	9.8	11.0	12.4	14.0	15.9	18.1	20.4
INDOOR COIL DB TEMP DROP (°F)		15	16	16	16	16	15	15	
1800		LIQUID PRESSURE (PSIG)	233	271	314	362	414	471	532
		LIQUID TEMPERATURE (°F)	59	70	80	91	101	112	122
		LIQUID SUBCOOLING (°F)	20	19	19	18	18	17	17
		SUCTION PRESSURE (PSIG)	123	131	139	146	152	158	163
		SUCTION TEMPERATURE (°F)	74	74	74	72	70	67	63
		SUCTION SUPERHEAT (°F)	32	29	25	21	16	11	5
		OUTDOOR UNIT CURRENT (A)	10.8	12.0	13.4	15.0	16.9	19.0	21.3
		COMPRESSOR CURRENT (A)	9.9	11.1	12.5	14.1	16.0	18.2	20.5
INDOOR COIL DB TEMP DROP (°F)		14	15	15	15	15	14	14	

FOR USE WITH MODELS WITH ORIFICE:

**YCD60B21S**

**TC3B6021S**

**RAC13L60B21S**

**QC3B60B21S**

YCD60B21S Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	102	106	110	115	119	123	127	132	136	140	144	148	153	157	161
	Suction Temperature (°F)														
55	51	55	60	65	70	..	..	..	..	..	..	..	..	..	..
60	..	50	55	60	65	70	..	..	..	..	..	..	..	..	..
65	..	..	50	55	60	65	70	..	..	..	..	..	..	..	..
70	..	..	46	51	55	60	65	..	..	..	..	..	..	..	..
75	..	..	..	47	51	55	60	66	..	..	..	..	..	..	..
80	..	..	..	43	47	52	58	64	69	..	..	..	..	..	..
85	..	..	..	..	44	48	57	62	67	70	..	..	..	..	..
90	..	..	..	..	..	46	50	55	59	63	67	..	..	..	..
95	..	..	..	..	..	44	47	51	54	58	62	66	..	..	..
100	..	..	..	..	..	..	45	50	53	56	60	63	..	..	..
105	..	..	..	..	..	..	44	48	51	55	58	61	65	..	..
110	..	..	..	..	..	..	..	48	50	53	56	58	62	64	..
115	..	..	..	..	..	..	..	47	49	51	53	55	58	60	62

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YCD60B21S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1520	LIQUID PRESSURE (PSIG)	214	250	289	333	381	432	487
		LIQUID TEMPERATURE (°F)	59	71	82	93	104	115	126
		LIQUID SUBCOOLING (°F)	15	13	12	10	9	8	6
		SUCTION PRESSURE (PSIG)	107	113	119	124	128	132	135
		SUCTION TEMPERATURE (°F)	56	53	50	49	47	48	47
		SUCTION SUPERHEAT (°F)	21	15	10	6	3	2	0
		OUTDOOR UNIT CURRENT (A)	12.7	14.0	15.6	17.4	19.6	22.0	24.7
		COMPRESSOR CURRENT (A)	11.5	12.9	14.5	16.3	18.5	20.9	23.7
		INDOOR COIL DB TEMP DROP (°F)	25	26	25	25	24	24	22
	1720	LIQUID PRESSURE (PSIG)	216	252	291	335	383	434	489
		LIQUID TEMPERATURE (°F)	59	70	81	93	104	114	125
		LIQUID SUBCOOLING (°F)	16	14	13	11	10	9	7
		SUCTION PRESSURE (PSIG)	109	115	121	126	130	134	137
		SUCTION TEMPERATURE (°F)	58	55	52	50	49	50	49
		SUCTION SUPERHEAT (°F)	22	16	11	7	4	3	1
		OUTDOOR UNIT CURRENT (A)	12.8	14.1	15.7	17.5	19.7	22.1	24.8
		COMPRESSOR CURRENT (A)	11.6	13.0	14.6	16.4	18.6	21.0	23.8
		INDOOR COIL DB TEMP DROP (°F)	23	24	23	23	22	22	20
	1920	LIQUID PRESSURE (PSIG)	218	254	293	337	385	436	491
		LIQUID TEMPERATURE (°F)	58	70	81	92	103	113	125
		LIQUID SUBCOOLING (°F)	17	15	14	12	11	10	8
		SUCTION PRESSURE (PSIG)	111	117	123	128	132	136	139
		SUCTION TEMPERATURE (°F)	60	56	54	52	51	51	51
		SUCTION SUPERHEAT (°F)	23	17	12	8	5	4	2
OUTDOOR UNIT CURRENT (A)		12.9	14.2	15.8	17.6	19.8	22.2	24.9	
COMPRESSOR CURRENT (A)		11.7	13.1	14.7	16.5	18.7	21.1	23.9	
INDOOR COIL DB TEMP DROP (°F)		21	22	21	21	20	20	18	

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## YCD60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1520	LIQUID PRESSURE (PSIG)	208	242	282	326	374	427	485
		LIQUID TEMPERATURE (°F)	59	71	83	94	105	116	126
		LIQUID SUBCOOLING (°F)	13	11	9	8	7	6	6
		SUCTION PRESSURE (PSIG)	102	107	112	117	122	127	132
		SUCTION TEMPERATURE (°F)	52	47	44	42	43	44	47
		SUCTION SUPERHEAT (°F)	19	12	7	3	1	0	1
		OUTDOOR UNIT CURRENT (A)	12.5	13.8	15.4	17.3	19.4	21.9	24.7
		COMPRESSOR CURRENT (A)	11.4	12.7	14.3	16.2	18.4	20.9	23.6
	INDOOR COIL DB TEMP DROP (°F)	33	33	33	32	31	30	28	
	1720	LIQUID PRESSURE (PSIG)	212	246	286	330	378	431	489
		LIQUID TEMPERATURE (°F)	59	71	83	94	105	115	125
		LIQUID SUBCOOLING (°F)	14	12	10	9	8	7	7
		SUCTION PRESSURE (PSIG)	106	111	116	121	126	131	136
		SUCTION TEMPERATURE (°F)	55	51	48	46	46	47	50
		SUCTION SUPERHEAT (°F)	21	14	9	5	3	2	3
		OUTDOOR UNIT CURRENT (A)	12.6	13.9	15.5	17.4	19.5	22.0	24.8
		COMPRESSOR CURRENT (A)	11.5	12.8	14.4	16.3	18.5	21.0	23.7
	INDOOR COIL DB TEMP DROP (°F)	30	30	30	29	28	27	25	
	1920	LIQUID PRESSURE (PSIG)	216	250	290	334	382	435	493
		LIQUID TEMPERATURE (°F)	60	71	83	94	104	115	125
		LIQUID SUBCOOLING (°F)	15	13	11	10	9	8	8
		SUCTION PRESSURE (PSIG)	110	115	120	125	130	135	140
		SUCTION TEMPERATURE (°F)	59	55	52	50	50	51	54
		SUCTION SUPERHEAT (°F)	23	16	11	7	5	4	5
		OUTDOOR UNIT CURRENT (A)	12.7	14.0	15.6	17.5	19.6	22.1	24.9
		COMPRESSOR CURRENT (A)	11.6	12.9	14.5	16.4	18.6	21.1	23.8
	INDOOR COIL DB TEMP DROP (°F)	27	27	27	26	25	24	22	
	80/62	1520	LIQUID PRESSURE (PSIG)	214	250	290	333	381	432
LIQUID TEMPERATURE (°F)			59	71	82	93	104	116	126
LIQUID SUBCOOLING (°F)			15	13	12	10	9	7	6
SUCTION PRESSURE (PSIG)			108	114	119	124	128	131	134
SUCTION TEMPERATURE (°F)			59	54	50	49	47	47	50
SUCTION SUPERHEAT (°F)			24	16	10	6	3	2	3
OUTDOOR UNIT CURRENT (A)			12.8	14.1	15.7	17.6	19.7	22.2	24.9
COMPRESSOR CURRENT (A)			11.7	13.0	14.6	16.5	18.6	21.1	23.8
INDOOR COIL DB TEMP DROP (°F)		28	29	30	30	29	28	26	
1720		LIQUID PRESSURE (PSIG)	216	252	292	335	383	434	489
		LIQUID TEMPERATURE (°F)	59	70	81	93	104	115	125
		LIQUID SUBCOOLING (°F)	16	14	13	11	10	8	7
		SUCTION PRESSURE (PSIG)	110	116	121	126	130	133	136
		SUCTION TEMPERATURE (°F)	61	56	52	50	49	49	51
		SUCTION SUPERHEAT (°F)	25	17	11	7	4	3	4
		OUTDOOR UNIT CURRENT (A)	12.8	14.1	15.7	17.6	19.7	22.2	24.9
		COMPRESSOR CURRENT (A)	11.7	13.0	14.6	16.5	18.6	21.1	23.8
INDOOR COIL DB TEMP DROP (°F)		26	27	28	28	27	26	24	
1920		LIQUID PRESSURE (PSIG)	218	254	294	337	385	436	491
		LIQUID TEMPERATURE (°F)	58	70	81	92	103	114	125
		LIQUID SUBCOOLING (°F)	17	15	14	12	11	9	8
		SUCTION PRESSURE (PSIG)	112	118	123	128	132	135	138
		SUCTION TEMPERATURE (°F)	63	58	54	52	51	51	53
		SUCTION SUPERHEAT (°F)	26	18	12	8	5	4	5
		OUTDOOR UNIT CURRENT (A)	12.8	14.1	15.7	17.6	19.7	22.2	24.9
		COMPRESSOR CURRENT (A)	11.7	13.0	14.6	16.5	18.6	21.1	23.8
INDOOR COIL DB TEMP DROP (°F)		24	25	26	26	25	24	22	

Continued on next page.

## YCD60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1520	LIQUID PRESSURE (PSIG)	218	255	296	341	389	442	498
		LIQUID TEMPERATURE (°F)	58	69	80	92	103	113	123
		LIQUID SUBCOOLING (°F)	17	16	15	13	12	11	11
		SUCTION PRESSURE (PSIG)	112	119	125	131	137	141	145
		SUCTION TEMPERATURE (°F)	62	61	59	60	56	55	54
		SUCTION SUPERHEAT (°F)	25	21	16	15	8	6	3
		OUTDOOR UNIT CURRENT (A)	12.8	14.2	15.8	17.7	19.9	22.3	25.0
		COMPRESSOR CURRENT (A)	11.7	13.1	14.7	16.6	18.8	21.2	23.9
	INDOOR COIL DB TEMP DROP (°F)	24	25	25	25	24	24	23	
	1720	LIQUID PRESSURE (PSIG)	220	257	298	343	391	444	500
		LIQUID TEMPERATURE (°F)	59	70	81	93	103	114	123
		LIQUID SUBCOOLING (°F)	17	16	15	13	12	11	11
		SUCTION PRESSURE (PSIG)	114	121	127	133	139	143	147
		SUCTION TEMPERATURE (°F)	64	63	61	62	58	57	56
		SUCTION SUPERHEAT (°F)	26	22	17	16	9	7	4
		OUTDOOR UNIT CURRENT (A)	12.9	14.3	15.9	17.8	20.0	22.4	25.1
		COMPRESSOR CURRENT (A)	11.8	13.2	14.8	16.7	18.9	21.3	24.0
	INDOOR COIL DB TEMP DROP (°F)	22	23	23	23	22	22	21	
	1920	LIQUID PRESSURE (PSIG)	222	259	300	345	393	446	502
		LIQUID TEMPERATURE (°F)	59	70	81	93	104	114	123
		LIQUID SUBCOOLING (°F)	17	16	15	13	12	11	11
		SUCTION PRESSURE (PSIG)	116	123	129	135	141	145	149
		SUCTION TEMPERATURE (°F)	66	65	63	64	59	59	58
		SUCTION SUPERHEAT (°F)	27	23	18	17	10	8	5
		OUTDOOR UNIT CURRENT (A)	13.0	14.4	16.0	17.9	20.1	22.5	25.2
		COMPRESSOR CURRENT (A)	11.9	13.3	14.9	16.8	19.0	21.4	24.1
	INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	20	20	19	
	80/72	1520	LIQUID PRESSURE (PSIG)	223	260	302	348	398	453
LIQUID TEMPERATURE (°F)			59	70	81	92	101	112	123
LIQUID SUBCOOLING (°F)			18	17	16	15	15	14	13
SUCTION PRESSURE (PSIG)			116	124	131	139	145	151	157
SUCTION TEMPERATURE (°F)			66	67	66	66	64	63	60
SUCTION SUPERHEAT (°F)			27	24	21	17	13	10	5
OUTDOOR UNIT CURRENT (A)			13.0	14.4	16.0	18.0	20.3	22.9	25.8
COMPRESSOR CURRENT (A)			11.9	13.2	14.9	16.9	19.2	21.8	24.7
INDOOR COIL DB TEMP DROP (°F)		20	20	20	20	19	19	18	
1720		LIQUID PRESSURE (PSIG)	225	262	304	350	400	455	515
		LIQUID TEMPERATURE (°F)	59	70	81	92	102	113	123
		LIQUID SUBCOOLING (°F)	18	17	16	15	15	14	13
		SUCTION PRESSURE (PSIG)	118	126	133	141	147	153	159
		SUCTION TEMPERATURE (°F)	68	68	68	67	66	65	62
		SUCTION SUPERHEAT (°F)	28	25	22	18	14	11	6
		OUTDOOR UNIT CURRENT (A)	13.1	14.5	16.1	18.1	20.4	23.0	25.9
		COMPRESSOR CURRENT (A)	12.0	13.3	15.0	17.0	19.3	21.9	24.8
INDOOR COIL DB TEMP DROP (°F)		18	18	18	18	17	17	16	
1920		LIQUID PRESSURE (PSIG)	227	264	306	352	402	457	517
		LIQUID TEMPERATURE (°F)	60	71	82	92	102	113	124
		LIQUID SUBCOOLING (°F)	18	17	16	15	15	14	13
		SUCTION PRESSURE (PSIG)	120	128	135	143	149	155	161
		SUCTION TEMPERATURE (°F)	70	70	70	69	68	67	64
		SUCTION SUPERHEAT (°F)	29	26	23	19	15	12	7
		OUTDOOR UNIT CURRENT (A)	13.2	14.6	16.2	18.2	20.5	23.1	26.0
		COMPRESSOR CURRENT (A)	12.1	13.4	15.1	17.1	19.4	22.0	24.9
INDOOR COIL DB TEMP DROP (°F)		16	16	16	16	15	15	14	

FOR USE WITH MODELS WITH ORIFICE:

**YCD60B22S**

**TC3B6022S**

**RAC1360B23S**

**QC3B60B21S**

YCD60B22S Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	100	104	109	113	117	122	126	131	135	139	144	148	152	157	161
	Suction Temperature (°F)														
55	56	60	63	66	69	..	..	..	..	..	..	..	..	..	..
60	..	55	59	62	66	..	..	..	..	..	..	..	..	..	..
65	..	..	55	59	62	67	..	..	..	..	..	..	..	..	..
70	..	..	51	55	59	64	68	..	..	..	..	..	..	..	..
75	..	..	..	51	56	62	66	69	..	..	..	..	..	..	..
80	..	..	..	..	51	59	65	67	..	..	..	..	..	..	..
85	..	..	..	..	50	55	62	64	67	..	..	..	..	..	..
90	..	..	..	..	..	50	55	60	64	67	..	..	..	..	..
95	..	..	..	..	..	..	51	57	62	65	68	..	..	..	..
100	..	..	..	..	..	..	47	53	58	61	65	..	..	..	..
105	..	..	..	..	..	..	..	50	54	58	62	66	..	..	..
110	..	..	..	..	..	..	..	47	51	55	59	63	66	..	..
115	..	..	..	..	..	..	..	..	49	52	56	59	63	..	..

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YCD60B22S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1520	LIQUID PRESSURE (PSIG)	208	245	285	329	377	428	484
		LIQUID TEMPERATURE (°F)	59	71	82	93	103	114	124
		LIQUID SUBCOOLING (°F)	13	12	11	10	9	8	7
		SUCTION PRESSURE (PSIG)	104	110	115	120	125	129	133
		SUCTION TEMPERATURE (°F)	56	54	53	51	50	49	47
		SUCTION SUPERHEAT (°F)	23	18	14	10	7	4	1
		OUTDOOR UNIT CURRENT (A)	12.2	13.5	15.0	16.7	18.6	20.8	23.2
		COMPRESSOR CURRENT (A)	11.2	12.5	14.0	15.8	17.7	19.9	22.2
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	23	23	22	
	1720	LIQUID PRESSURE (PSIG)	209	246	286	330	378	429	485
		LIQUID TEMPERATURE (°F)	60	71	82	93	104	114	125
		LIQUID SUBCOOLING (°F)	13	12	11	10	9	8	7
		SUCTION PRESSURE (PSIG)	106	112	117	122	127	131	135
		SUCTION TEMPERATURE (°F)	58	56	54	53	52	50	49
		SUCTION SUPERHEAT (°F)	24	19	15	11	8	5	2
		OUTDOOR UNIT CURRENT (A)	12.2	13.5	15.0	16.7	18.6	20.8	23.2
		COMPRESSOR CURRENT (A)	11.2	12.5	14.0	15.8	17.7	19.9	22.2
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	22	22	21	
	1920	LIQUID PRESSURE (PSIG)	210	247	287	331	379	430	486
		LIQUID TEMPERATURE (°F)	60	71	82	93	104	114	125
		LIQUID SUBCOOLING (°F)	13	12	11	10	9	8	7
		SUCTION PRESSURE (PSIG)	108	114	119	124	129	133	137
		SUCTION TEMPERATURE (°F)	60	58	56	55	54	52	51
		SUCTION SUPERHEAT (°F)	25	20	16	12	9	6	3
OUTDOOR UNIT CURRENT (A)		12.2	13.5	15.0	16.7	18.6	20.8	23.2	
COMPRESSOR CURRENT (A)		11.2	12.5	14.0	15.8	17.7	19.9	22.2	
INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	21	21	20		

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## YCD60B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1520	LIQUID PRESSURE (PSIG)	203	239	280	324	373	426	484
		LIQUID TEMPERATURE (°F)	61	72	83	95	106	116	125
		LIQUID SUBCOOLING (°F)	10	9	8	7	6	6	6
		SUCTION PRESSURE (PSIG)	99	105	110	116	122	127	133
		SUCTION TEMPERATURE (°F)	54	51	48	47	46	46	46
		SUCTION SUPERHEAT (°F)	23	17	12	8	4	2	0
		OUTDOOR UNIT CURRENT (A)	11.7	13.1	14.7	16.5	18.5	20.7	23.2
		COMPRESSOR CURRENT (A)	10.7	12.1	13.7	15.5	17.6	19.8	22.3
	INDOOR COIL DB TEMP DROP (°F)	32	32	31	30	29	28	26	
	1720	LIQUID PRESSURE (PSIG)	205	241	282	326	375	428	486
		LIQUID TEMPERATURE (°F)	60	72	83	94	105	115	125
		LIQUID SUBCOOLING (°F)	11	10	9	8	7	7	7
		SUCTION PRESSURE (PSIG)	102	108	113	119	125	130	136
		SUCTION TEMPERATURE (°F)	58	54	52	50	49	49	49
		SUCTION SUPERHEAT (°F)	25	19	14	10	6	4	2
		OUTDOOR UNIT CURRENT (A)	11.8	13.2	14.8	16.6	18.6	20.8	23.3
		COMPRESSOR CURRENT (A)	10.8	12.2	13.8	15.6	17.7	19.9	22.4
	INDOOR COIL DB TEMP DROP (°F)	30	30	29	28	27	26	24	
	1920	LIQUID PRESSURE (PSIG)	207	243	284	328	377	430	488
		LIQUID TEMPERATURE (°F)	60	71	82	93	104	114	124
		LIQUID SUBCOOLING (°F)	12	11	10	9	8	8	8
		SUCTION PRESSURE (PSIG)	105	111	116	122	128	133	139
		SUCTION TEMPERATURE (°F)	61	58	55	54	52	52	53
		SUCTION SUPERHEAT (°F)	27	21	16	12	8	6	4
		OUTDOOR UNIT CURRENT (A)	11.9	13.3	14.9	16.7	18.7	20.9	23.4
		COMPRESSOR CURRENT (A)	10.9	12.3	13.9	15.7	17.8	20.0	22.5
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	26	25	24	22	
	80/62	1520	LIQUID PRESSURE (PSIG)	208	244	283	327	376	429
LIQUID TEMPERATURE (°F)			59	70	82	93	104	114	125
LIQUID SUBCOOLING (°F)			13	12	10	9	8	8	7
SUCTION PRESSURE (PSIG)			104	109	114	119	124	129	134
SUCTION TEMPERATURE (°F)			59	56	52	50	49	48	48
SUCTION SUPERHEAT (°F)			26	20	14	10	6	3	1
OUTDOOR UNIT CURRENT (A)			11.9	13.3	14.8	16.6	18.6	20.8	23.2
COMPRESSOR CURRENT (A)			11.0	12.3	13.9	15.6	17.6	19.8	22.3
INDOOR COIL DB TEMP DROP (°F)		29	30	30	30	30	29	27	
1720		LIQUID PRESSURE (PSIG)	209	245	284	328	377	430	487
		LIQUID TEMPERATURE (°F)	60	71	82	93	104	114	125
		LIQUID SUBCOOLING (°F)	13	12	10	9	8	8	7
		SUCTION PRESSURE (PSIG)	106	111	116	121	126	131	136
		SUCTION TEMPERATURE (°F)	61	58	54	52	50	49	49
		SUCTION SUPERHEAT (°F)	27	21	15	11	7	4	2
		OUTDOOR UNIT CURRENT (A)	12.0	13.4	14.9	16.7	18.7	20.9	23.3
		COMPRESSOR CURRENT (A)	11.1	12.4	14.0	15.7	17.7	19.9	22.4
INDOOR COIL DB TEMP DROP (°F)		27	28	28	28	28	27	25	
1920		LIQUID PRESSURE (PSIG)	210	246	285	329	378	431	488
		LIQUID TEMPERATURE (°F)	60	71	83	94	105	114	125
		LIQUID SUBCOOLING (°F)	13	12	10	9	8	8	7
		SUCTION PRESSURE (PSIG)	108	113	118	123	128	133	138
		SUCTION TEMPERATURE (°F)	63	60	56	54	52	51	51
		SUCTION SUPERHEAT (°F)	28	22	16	12	8	5	3
		OUTDOOR UNIT CURRENT (A)	12.1	13.5	15.0	16.8	18.8	21.0	23.4
		COMPRESSOR CURRENT (A)	11.2	12.5	14.1	15.8	17.8	20.0	22.5
INDOOR COIL DB TEMP DROP (°F)		25	26	26	26	26	25	23	

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## YCD60B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1520	LIQUID PRESSURE (PSIG)	213	250	290	335	384	437	494
		LIQUID TEMPERATURE (°F)	59	70	81	92	103	114	124
		LIQUID SUBCOOLING (°F)	15	14	13	12	11	10	9
		SUCTION PRESSURE (PSIG)	110	116	122	127	133	138	143
		SUCTION TEMPERATURE (°F)	63	62	62	60	60	57	54
		SUCTION SUPERHEAT (°F)	27	23	20	16	14	9	4
		OUTDOOR UNIT CURRENT (A)	12.1	13.4	15.0	16.8	18.8	21.1	23.5
		COMPRESSOR CURRENT (A)	11.1	12.5	14.1	15.9	17.9	20.2	22.6
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	24	23	23	22	
	1720	LIQUID PRESSURE (PSIG)	214	251	291	336	385	438	495
		LIQUID TEMPERATURE (°F)	59	70	81	92	103	114	124
		LIQUID SUBCOOLING (°F)	15	14	13	12	11	10	9
		SUCTION PRESSURE (PSIG)	112	118	124	129	135	140	145
		SUCTION TEMPERATURE (°F)	65	64	64	64	64	61	56
		SUCTION SUPERHEAT (°F)	28	24	21	17	15	10	5
		OUTDOOR UNIT CURRENT (A)	12.2	13.5	15.1	16.9	18.9	21.2	23.6
		COMPRESSOR CURRENT (A)	11.2	12.6	14.2	16.0	18.0	20.3	22.7
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	23	22	22	21	
	1920	LIQUID PRESSURE (PSIG)	215	252	292	337	386	439	496
		LIQUID TEMPERATURE (°F)	59	70	81	92	103	114	124
		LIQUID SUBCOOLING (°F)	15	14	13	12	11	10	9
		SUCTION PRESSURE (PSIG)	114	120	126	131	137	142	147
		SUCTION TEMPERATURE (°F)	67	66	65	63	64	61	58
		SUCTION SUPERHEAT (°F)	29	25	22	18	16	11	6
OUTDOOR UNIT CURRENT (A)		12.3	13.6	15.2	17.0	19.0	21.3	23.7	
COMPRESSOR CURRENT (A)		11.3	12.7	14.3	16.1	18.1	20.4	22.8	
INDOOR COIL DB TEMP DROP (°F)	21	21	21	22	21	21	20		
80/72	1520	LIQUID PRESSURE (PSIG)	217	254	295	340	390	443	501
		LIQUID TEMPERATURE (°F)	58	69	80	91	102	113	122
		LIQUID SUBCOOLING (°F)	17	16	15	14	13	12	12
		SUCTION PRESSURE (PSIG)	115	122	129	135	142	148	153
		SUCTION TEMPERATURE (°F)	67	67	67	66	66	65	64
		SUCTION SUPERHEAT (°F)	28	25	22	19	16	13	10
		OUTDOOR UNIT CURRENT (A)	12.1	13.5	15.2	17.0	19.1	21.4	24.0
		COMPRESSOR CURRENT (A)	11.2	12.6	14.2	16.1	18.2	20.5	23.1
	INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	18	17	17	
	1720	LIQUID PRESSURE (PSIG)	219	256	297	342	392	445	503
		LIQUID TEMPERATURE (°F)	58	69	80	91	102	113	122
		LIQUID SUBCOOLING (°F)	17	16	15	14	13	12	12
		SUCTION PRESSURE (PSIG)	116	123	130	136	143	149	154
		SUCTION TEMPERATURE (°F)	68	68	68	67	67	67	65
		SUCTION SUPERHEAT (°F)	29	26	23	20	17	14	11
		OUTDOOR UNIT CURRENT (A)	12.2	13.6	15.3	17.1	19.2	21.5	24.1
		COMPRESSOR CURRENT (A)	11.3	12.7	14.3	16.2	18.3	20.6	23.2
	INDOOR COIL DB TEMP DROP (°F)	17	17	17	17	17	16	16	
	1920	LIQUID PRESSURE (PSIG)	221	258	299	344	394	447	505
		LIQUID TEMPERATURE (°F)	59	70	81	92	103	113	123
		LIQUID SUBCOOLING (°F)	17	16	15	14	13	12	12
		SUCTION PRESSURE (PSIG)	117	124	131	137	144	150	155
		SUCTION TEMPERATURE (°F)	68	69	68	68	68	67	66
		SUCTION SUPERHEAT (°F)	29	26	23	20	17	14	11
OUTDOOR UNIT CURRENT (A)		12.3	13.7	15.4	17.2	19.3	21.6	24.2	
COMPRESSOR CURRENT (A)		11.4	12.8	14.4	16.3	18.4	20.7	23.3	
INDOOR COIL DB TEMP DROP (°F)	16	16	16	16	16	15	15		

FOR USE WITH MODELS WITH TXV:

YCD18B21(S,H)

TC3B1821(S,H)

RAC13L18B21S

YCD18B21(S,H) SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	193(7)	194(7)	196(4)	198(2)
60	205(7)	209(7)	210(4)	211(2)
65	220(7)	225(8)	225(5)	226(2)
70	237(7)	243(8)	243(6)	244(3)
75	257(8)	263(9)	263(6)	263(3)
80	279(8)	285(9)	285(7)	284(4)
85	303(9)	309(10)	309(8)	308(5)
90	329(10)	335(11)	335(9)	333(6)
95	358(11)	362(11)	363(11)	360(8)
100	389(12)	392(12)	394(12)	390(9)
105	423(13)	424(13)	426(13)	421(11)
110	458(14)	457(14)	460(14)	454(13)
115	496(16)	493(15)	497(16)	490(15)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCD18B21(S,H) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	450	LIQUID PRESSURE (PSIG)	197	223	260	307	363	429	506
		LIQUID TEMPERATURE (°F)	61	68	77	87	97	107	117
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	15	18
		SUCTION PRESSURE (PSIG)	113	116	120	124	128	133	137
		SUCTION TEMPERATURE (°F)	46	46	48	50	51	53	55
		SUCTION SUPERHEAT (°F)	8	7	7	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	3.9	4.4	4.8	5.2	5.6	5.9	6.3
		COMPRESSOR CURRENT (A)	3.2	3.7	4.1	4.5	4.9	5.2	5.6
	INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	22	21	
	600	LIQUID PRESSURE (PSIG)	195	221	258	305	361	427	504
		LIQUID TEMPERATURE (°F)	61	68	77	87	97	108	118
		LIQUID SUBCOOLING (°F)	7	8	9	10	12	14	17
		SUCTION PRESSURE (PSIG)	118	121	125	129	133	138	142
		SUCTION TEMPERATURE (°F)	48	48	50	52	53	55	57
		SUCTION SUPERHEAT (°F)	8	7	7	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	3.9	4.4	4.8	5.2	5.6	5.9	6.3
		COMPRESSOR CURRENT (A)	3.2	3.7	4.1	4.5	4.9	5.2	5.6
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	19	18	
	750	LIQUID PRESSURE (PSIG)	193	219	256	303	359	425	502
		LIQUID TEMPERATURE (°F)	62	68	77	88	98	108	118
		LIQUID SUBCOOLING (°F)	6	7	8	9	11	13	16
		SUCTION PRESSURE (PSIG)	123	126	130	134	138	143	147
		SUCTION TEMPERATURE (°F)	50	50	52	54	55	57	59
		SUCTION SUPERHEAT (°F)	8	7	7	7	7	7	7
OUTDOOR UNIT CURRENT (A)		3.9	4.4	4.8	5.2	5.6	5.9	6.3	
COMPRESSOR CURRENT (A)		3.2	3.7	4.1	4.5	4.9	5.2	5.6	
INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	18	16	15		

Continued on next page.

## YCD18B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	450	LIQUID PRESSURE (PSIG)	195	222	259	305	360	425	498
		LIQUID TEMPERATURE (°F)	60	68	77	87	97	107	117
		LIQUID SUBCOOLING (°F)	8	8	9	10	12	14	17
		SUCTION PRESSURE (PSIG)	102	107	113	119	125	132	139
		SUCTION TEMPERATURE (°F)	38	40	43	45	49	52	56
		SUCTION SUPERHEAT (°F)	5	5	5	5	6	6	7
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	4.8	5.2	5.6	5.9	6.3
		COMPRESSOR CURRENT (A)	3.3	3.7	4.1	4.4	4.8	5.2	5.6
	INDOOR COIL DB TEMP DROP (°F)	36	34	33	31	29	27	25	
	600	LIQUID PRESSURE (PSIG)	193	220	257	303	358	423	496
		LIQUID TEMPERATURE (°F)	61	69	78	88	98	108	117
		LIQUID SUBCOOLING (°F)	7	7	8	9	11	13	16
		SUCTION PRESSURE (PSIG)	110	115	121	127	133	140	147
		SUCTION TEMPERATURE (°F)	42	45	47	50	53	56	60
		SUCTION SUPERHEAT (°F)	6	6	6	6	7	7	8
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	4.8	5.2	5.6	5.9	6.3
		COMPRESSOR CURRENT (A)	3.3	3.7	4.1	4.4	4.8	5.2	5.6
	INDOOR COIL DB TEMP DROP (°F)	32	30	29	27	25	23	21	
	750	LIQUID PRESSURE (PSIG)	191	218	255	301	356	421	494
		LIQUID TEMPERATURE (°F)	61	69	78	88	98	109	118
		LIQUID SUBCOOLING (°F)	6	6	7	8	10	12	15
		SUCTION PRESSURE (PSIG)	118	123	129	135	141	148	155
		SUCTION TEMPERATURE (°F)	48	50	53	55	58	61	65
		SUCTION SUPERHEAT (°F)	8	8	8	8	9	9	10
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	4.8	5.2	5.6	5.9	6.3
		COMPRESSOR CURRENT (A)	3.3	3.7	4.1	4.4	4.8	5.2	5.6
	INDOOR COIL DB TEMP DROP (°F)	28	26	25	23	21	19	17	
	80/62	450	LIQUID PRESSURE (PSIG)	195	226	264	310	363	425
LIQUID TEMPERATURE (°F)			60	68	78	87	98	107	117
LIQUID SUBCOOLING (°F)			8	9	10	11	12	14	16
SUCTION PRESSURE (PSIG)			112	116	120	124	129	135	142
SUCTION TEMPERATURE (°F)			43	44	46	47	49	51	54
SUCTION SUPERHEAT (°F)			6	5	5	4	4	4	4
OUTDOOR UNIT CURRENT (A)			4.0	4.4	4.8	5.2	5.6	6.0	6.3
COMPRESSOR CURRENT (A)			3.2	3.7	4.1	4.5	4.9	5.3	5.6
INDOOR COIL DB TEMP DROP (°F)		32	31	30	29	27	26	24	
600		LIQUID PRESSURE (PSIG)	194	225	263	309	362	424	493
		LIQUID TEMPERATURE (°F)	61	69	78	88	98	108	118
		LIQUID SUBCOOLING (°F)	7	8	9	10	11	13	15
		SUCTION PRESSURE (PSIG)	118	122	126	130	135	141	148
		SUCTION TEMPERATURE (°F)	47	48	49	50	52	54	57
		SUCTION SUPERHEAT (°F)	7	6	6	5	5	5	5
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	4.8	5.2	5.6	6.0	6.3
		COMPRESSOR CURRENT (A)	3.2	3.7	4.1	4.5	4.9	5.3	5.6
INDOOR COIL DB TEMP DROP (°F)		29	28	27	26	24	23	21	
750		LIQUID PRESSURE (PSIG)	193	224	262	308	361	423	492
		LIQUID TEMPERATURE (°F)	62	70	79	89	99	109	119
		LIQUID SUBCOOLING (°F)	6	7	8	9	10	12	14
		SUCTION PRESSURE (PSIG)	124	128	132	136	141	147	154
		SUCTION TEMPERATURE (°F)	51	51	53	53	55	58	60
		SUCTION SUPERHEAT (°F)	8	7	7	6	6	6	6
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	4.8	5.2	5.6	6.0	6.3
		COMPRESSOR CURRENT (A)	3.2	3.7	4.1	4.5	4.9	5.3	5.6
INDOOR COIL DB TEMP DROP (°F)		26	25	24	23	21	20	18	

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## YCD18B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	450	LIQUID PRESSURE (PSIG)	197	226	264	310	364	427	498
		LIQUID TEMPERATURE (°F)	64	71	81	89	98	108	117
		LIQUID SUBCOOLING (°F)	5	6	7	9	12	14	17
		SUCTION PRESSURE (PSIG)	124	128	132	136	140	144	149
		SUCTION TEMPERATURE (°F)	52	52	54	55	57	59	62
		SUCTION SUPERHEAT (°F)	9	8	8	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	3.8	4.3	4.8	5.2	5.7	6.1	6.5
		COMPRESSOR CURRENT (A)	3.1	3.6	4.1	4.5	4.9	5.4	5.7
	INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	23	22	
	600	LIQUID PRESSURE (PSIG)	196	225	263	309	363	426	497
		LIQUID TEMPERATURE (°F)	65	72	81	90	99	109	118
		LIQUID SUBCOOLING (°F)	4	5	6	8	11	13	16
		SUCTION PRESSURE (PSIG)	129	133	137	141	145	149	154
		SUCTION TEMPERATURE (°F)	54	54	56	57	59	61	63
		SUCTION SUPERHEAT (°F)	9	8	8	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	3.8	4.3	4.8	5.2	5.7	6.1	6.5
		COMPRESSOR CURRENT (A)	3.1	3.6	4.1	4.5	4.9	5.4	5.7
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19	
	750	LIQUID PRESSURE (PSIG)	195	224	262	308	362	425	496
		LIQUID TEMPERATURE (°F)	65	73	82	91	99	109	118
		LIQUID SUBCOOLING (°F)	3	4	5	7	10	12	15
		SUCTION PRESSURE (PSIG)	134	138	142	146	150	154	159
		SUCTION TEMPERATURE (°F)	56	56	58	59	61	62	65
		SUCTION SUPERHEAT (°F)	9	8	8	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	3.8	4.3	4.8	5.2	5.7	6.1	6.5
		COMPRESSOR CURRENT (A)	3.1	3.6	4.1	4.5	4.9	5.4	5.7
	INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	18	17	16	
	80/72	450	LIQUID PRESSURE (PSIG)	198	226	263	308	360	421
LIQUID TEMPERATURE (°F)			66	74	83	92	100	109	116
LIQUID SUBCOOLING (°F)			3	3	4	6	9	12	16
SUCTION PRESSURE (PSIG)			135	140	144	149	153	157	161
SUCTION TEMPERATURE (°F)			58	58	59	60	61	63	66
SUCTION SUPERHEAT (°F)			11	9	8	7	7	8	9
OUTDOOR UNIT CURRENT (A)			3.7	4.2	4.7	5.2	5.7	6.2	6.6
COMPRESSOR CURRENT (A)			3.0	3.5	4.0	4.5	5.0	5.4	5.9
INDOOR COIL DB TEMP DROP (°F)		23	22	22	21	20	19	18	
600		LIQUID PRESSURE (PSIG)	198	226	263	308	360	421	490
		LIQUID TEMPERATURE (°F)	67	75	84	93	101	110	117
		LIQUID SUBCOOLING (°F)	2	2	3	5	8	11	15
		SUCTION PRESSURE (PSIG)	140	145	149	154	158	162	166
		SUCTION TEMPERATURE (°F)	61	61	62	62	64	66	69
		SUCTION SUPERHEAT (°F)	12	10	9	8	8	9	10
		OUTDOOR UNIT CURRENT (A)	3.7	4.2	4.7	5.2	5.7	6.2	6.6
		COMPRESSOR CURRENT (A)	3.0	3.5	4.0	4.5	5.0	5.4	5.9
INDOOR COIL DB TEMP DROP (°F)		20	19	19	18	17	16	15	
750		LIQUID PRESSURE (PSIG)	198	226	263	308	360	421	490
		LIQUID TEMPERATURE (°F)	68	76	85	94	102	111	118
		LIQUID SUBCOOLING (°F)	1	1	2	4	7	10	14
		SUCTION PRESSURE (PSIG)	145	150	154	159	163	167	171
		SUCTION TEMPERATURE (°F)	64	64	64	65	67	69	71
		SUCTION SUPERHEAT (°F)	13	11	10	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	3.7	4.2	4.7	5.2	5.7	6.2	6.6
		COMPRESSOR CURRENT (A)	3.0	3.5	4.0	4.5	5.0	5.4	5.9
INDOOR COIL DB TEMP DROP (°F)		17	16	16	15	14	13	12	



FOR USE WITH MODELS WITH TXV:

YCD18B22S

TC3B1822S

RAC13L18B22S

YCD18B22S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	188(8)	190(8)	191(7)	191(6)
60	203(8)	204(8)	206(7)	206(6)
65	219(8)	221(8)	223(7)	223(7)
70	236(8)	239(8)	241(8)	241(7)
75	256(8)	258(9)	261(8)	261(8)
80	277(8)	279(9)	282(9)	282(9)
85	299(9)	302(9)	305(9)	306(9)
90	324(9)	326(10)	329(10)	331(10)
95	350(10)	352(10)	356(10)	357(11)
100	387(11)	389(12)	393(12)	395(12)
105	427(13)	428(13)	433(14)	435(14)
110	467(15)	469(16)	474(16)	477(17)
115	510(18)	511(18)	516(19)	520(20)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCD18B22S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	450	LIQUID PRESSURE (PSIG)	189	220	257	300	350	428	512
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	108	118
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	14	18
		SUCTION PRESSURE (PSIG)	121	122	123	125	127	130	132
		SUCTION TEMPERATURE (°F)	53	54	54	55	57	58	59
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	3.5	3.7	4.2	4.7	5.5	6.3	7.4
		COMPRESSOR CURRENT (A)	2.7	3.0	3.4	4.0	4.7	5.6	6.7
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	22	22	
	600	LIQUID PRESSURE (PSIG)	190	221	258	301	351	429	513
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	108	118
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	14	18
		SUCTION PRESSURE (PSIG)	126	127	128	130	132	135	137
		SUCTION TEMPERATURE (°F)	55	56	56	57	59	60	61
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	3.5	3.7	4.2	4.7	5.5	6.3	7.4
		COMPRESSOR CURRENT (A)	2.7	3.0	3.4	4.0	4.7	5.6	6.7
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	19	
	750	LIQUID PRESSURE (PSIG)	191	222	259	302	352	430	514
		LIQUID TEMPERATURE (°F)	58	67	77	88	97	108	118
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	14	18
		SUCTION PRESSURE (PSIG)	131	132	133	135	137	140	142
		SUCTION TEMPERATURE (°F)	57	58	58	59	61	62	63
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13
OUTDOOR UNIT CURRENT (A)		3.5	3.7	4.2	4.7	5.5	6.3	7.4	
COMPRESSOR CURRENT (A)		2.7	3.0	3.4	4.0	4.7	5.6	6.7	
INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	17	16	16		

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## YCD18B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	450	LIQUID PRESSURE (PSIG)	186	217	254	297	348	425	508
		LIQUID TEMPERATURE (°F)	57	67	77	86	97	108	117
		LIQUID SUBCOOLING (°F)	8	8	8	9	10	13	18
		SUCTION PRESSURE (PSIG)	110	111	113	115	118	122	126
		SUCTION TEMPERATURE (°F)	48	49	51	52	53	55	57
		SUCTION SUPERHEAT (°F)	12	12	13	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	3.6	3.9	4.3	4.9	5.6	6.5	7.5
		COMPRESSOR CURRENT (A)	2.9	3.1	3.6	4.1	4.9	5.8	6.8
	INDOOR COIL DB TEMP DROP (°F)	33	32	30	29	28	27	26	
	600	LIQUID PRESSURE (PSIG)	188	219	256	299	350	427	510
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	109	118
		LIQUID SUBCOOLING (°F)	8	8	8	9	10	13	18
		SUCTION PRESSURE (PSIG)	120	121	123	125	128	132	136
		SUCTION TEMPERATURE (°F)	53	53	55	56	57	59	61
		SUCTION SUPERHEAT (°F)	12	12	13	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	3.5	3.8	4.2	4.8	5.5	6.4	7.4
		COMPRESSOR CURRENT (A)	2.8	3.0	3.5	4.0	4.8	5.7	6.7
	INDOOR COIL DB TEMP DROP (°F)	29	28	26	25	24	23	22	
	750	LIQUID PRESSURE (PSIG)	190	221	258	301	352	429	512
		LIQUID TEMPERATURE (°F)	59	68	78	87	97	109	118
		LIQUID SUBCOOLING (°F)	8	8	8	9	10	13	18
		SUCTION PRESSURE (PSIG)	130	131	133	135	138	142	146
		SUCTION TEMPERATURE (°F)	57	57	59	60	61	63	65
		SUCTION SUPERHEAT (°F)	12	12	13	13	13	13	14
OUTDOOR UNIT CURRENT (A)		3.4	3.7	4.1	4.7	5.4	6.3	7.3	
COMPRESSOR CURRENT (A)		2.7	2.9	3.4	3.9	4.7	5.6	6.6	
INDOOR COIL DB TEMP DROP (°F)	25	24	22	21	20	19	18		
80/62	450	LIQUID PRESSURE (PSIG)	189	220	257	301	351	427	510
		LIQUID TEMPERATURE (°F)	58	68	77	87	97	109	118
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	13	18
		SUCTION PRESSURE (PSIG)	120	121	123	125	127	129	132
		SUCTION TEMPERATURE (°F)	53	53	54	55	56	58	60
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	3.6	3.8	4.3	4.8	5.6	6.4	7.5
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.1	4.8	5.7	6.8
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	27	26	25	
	600	LIQUID PRESSURE (PSIG)	190	221	258	302	352	428	511
		LIQUID TEMPERATURE (°F)	59	68	77	88	97	109	118
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	13	18
		SUCTION PRESSURE (PSIG)	126	127	129	131	133	135	138
		SUCTION TEMPERATURE (°F)	55	56	57	57	58	60	62
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	3.5	3.7	4.2	4.7	5.5	6.3	7.4
		COMPRESSOR CURRENT (A)	2.7	3.0	3.4	4.0	4.7	5.6	6.7
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	24	23	22	
	750	LIQUID PRESSURE (PSIG)	191	222	259	303	353	429	512
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	109	118
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	13	18
		SUCTION PRESSURE (PSIG)	132	133	135	137	139	141	144
		SUCTION TEMPERATURE (°F)	58	58	59	60	61	62	65
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	14
OUTDOOR UNIT CURRENT (A)		3.4	3.6	4.1	4.6	5.4	6.2	7.3	
COMPRESSOR CURRENT (A)		2.6	2.9	3.3	3.9	4.6	5.5	6.6	
INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	21	20	19		

Continued on next page.

## YCD18B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	450	LIQUID PRESSURE (PSIG)	190	222	260	304	355	432	515
		LIQUID TEMPERATURE (°F)	60	69	79	88	98	109	117
		LIQUID SUBCOOLING (°F)	7	7	8	9	10	14	19
		SUCTION PRESSURE (PSIG)	130	133	135	137	139	141	142
		SUCTION TEMPERATURE (°F)	58	58	59	60	61	61	62
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	3.6	3.8	4.3	4.8	5.5	6.3	7.3
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.1	4.8	5.6	6.6
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	22	21	
	600	LIQUID PRESSURE (PSIG)	191	223	261	305	356	433	516
		LIQUID TEMPERATURE (°F)	60	70	79	88	98	109	118
		LIQUID SUBCOOLING (°F)	7	7	8	9	10	14	19
		SUCTION PRESSURE (PSIG)	136	139	141	143	145	147	148
		SUCTION TEMPERATURE (°F)	61	62	62	63	64	65	65
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	3.5	3.7	4.2	4.7	5.4	6.2	7.2
		COMPRESSOR CURRENT (A)	2.7	3.0	3.4	4.0	4.7	5.5	6.5
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18	
	750	LIQUID PRESSURE (PSIG)	192	224	262	306	357	434	517
		LIQUID TEMPERATURE (°F)	60	70	79	89	98	109	118
		LIQUID SUBCOOLING (°F)	7	7	8	9	10	14	19
		SUCTION PRESSURE (PSIG)	142	145	147	149	151	153	154
		SUCTION TEMPERATURE (°F)	65	65	66	67	67	68	68
		SUCTION SUPERHEAT (°F)	15	14	14	14	14	14	14
OUTDOOR UNIT CURRENT (A)		3.4	3.6	4.1	4.6	5.3	6.1	7.1	
COMPRESSOR CURRENT (A)		2.6	2.9	3.3	3.9	4.6	5.4	6.4	
INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	17	16	15		
80/72	450	LIQUID PRESSURE (PSIG)	190	222	260	305	356	434	519
		LIQUID TEMPERATURE (°F)	61	69	79	88	97	109	117
		LIQUID SUBCOOLING (°F)	6	7	8	9	11	14	20
		SUCTION PRESSURE (PSIG)	140	143	146	149	152	154	156
		SUCTION TEMPERATURE (°F)	65	65	65	66	67	67	69
		SUCTION SUPERHEAT (°F)	16	15	14	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.1	4.6	5.3	6.1	7.0
		COMPRESSOR CURRENT (A)	2.7	3.0	3.4	3.9	4.6	5.4	6.3
	INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	18	
	600	LIQUID PRESSURE (PSIG)	191	223	261	306	357	435	520
		LIQUID TEMPERATURE (°F)	61	70	79	89	97	109	117
		LIQUID SUBCOOLING (°F)	6	7	8	9	11	14	20
		SUCTION PRESSURE (PSIG)	144	147	150	153	156	158	160
		SUCTION TEMPERATURE (°F)	68	68	68	68	69	70	72
		SUCTION SUPERHEAT (°F)	17	16	15	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.1	4.6	5.3	6.1	7.0
		COMPRESSOR CURRENT (A)	2.7	3.0	3.4	3.9	4.6	5.4	6.3
	INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	16	15	15	
	750	LIQUID PRESSURE (PSIG)	192	224	262	307	358	436	521
		LIQUID TEMPERATURE (°F)	61	70	79	89	98	109	117
		LIQUID SUBCOOLING (°F)	6	7	8	9	11	14	20
		SUCTION PRESSURE (PSIG)	148	151	154	157	160	162	164
		SUCTION TEMPERATURE (°F)	70	70	70	70	72	72	74
		SUCTION SUPERHEAT (°F)	18	17	16	15	15	15	16
OUTDOOR UNIT CURRENT (A)		3.4	3.7	4.1	4.6	5.3	6.1	7.0	
COMPRESSOR CURRENT (A)		2.7	3.0	3.4	3.9	4.6	5.4	6.3	
INDOOR COIL DB TEMP DROP (°F)	15	15	14	14	13	12	12		

FOR USE WITH MODELS WITH TXV:

YCD24B21(S,H)

TC3B2421(S,H)

RAC13L24B21S

QC3B24B21S

YCD24B21(S,H) SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	199(10)	203(11)	205(8)	205(8)
60	212(10)	216(11)	218(8)	218(7)
65	227(10)	231(10)	234(8)	234(6)
70	245(11)	248(10)	252(8)	251(6)
75	265(11)	268(10)	272(8)	271(6)
80	287(11)	289(10)	294(8)	292(6)
85	311(12)	313(10)	318(9)	316(6)
90	338(13)	338(11)	345(10)	343(7)
95	367(13)	366(12)	373(11)	371(8)
100	399(14)	396(13)	404(12)	401(10)
105	432(15)	428(14)	436(14)	434(11)
110	468(16)	463(15)	471(16)	469(13)
115	507(17)	499(17)	508(18)	506(16)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCD24B21(S,H) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	600	LIQUID PRESSURE (PSIG)	202	230	266	311	366	429	501
		LIQUID TEMPERATURE (°F)	55	64	73	84	93	103	113
		LIQUID SUBCOOLING (°F)	15	15	15	15	17	19	21
		SUCTION PRESSURE (PSIG)	108	111	115	119	122	126	130
		SUCTION TEMPERATURE (°F)	49	51	53	55	58	60	63
		SUCTION SUPERHEAT (°F)	14	14	14	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	5.4	6.0	6.6	7.2	7.8	8.3	8.8
		COMPRESSOR CURRENT (A)	4.7	5.3	5.9	6.5	7.1	7.6	8.1
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	21
	800	LIQUID PRESSURE (PSIG)	202	230	266	311	366	429	501
		LIQUID TEMPERATURE (°F)	59	68	77	88	97	107	117
		LIQUID SUBCOOLING (°F)	11	11	11	11	13	15	17
		SUCTION PRESSURE (PSIG)	113	116	120	124	127	131	135
		SUCTION TEMPERATURE (°F)	52	53	55	58	60	62	65
		SUCTION SUPERHEAT (°F)	14	14	14	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	5.4	6.0	6.6	7.2	7.8	8.3	8.8
		COMPRESSOR CURRENT (A)	4.7	5.3	5.9	6.5	7.1	7.6	8.1
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	18
	1000	LIQUID PRESSURE (PSIG)	202	230	266	311	366	429	501
		LIQUID TEMPERATURE (°F)	63	72	81	92	101	111	121
		LIQUID SUBCOOLING (°F)	7	7	7	7	9	11	13
		SUCTION PRESSURE (PSIG)	118	121	125	129	132	136	140
		SUCTION TEMPERATURE (°F)	54	55	57	60	62	64	67
		SUCTION SUPERHEAT (°F)	14	14	14	15	16	17	18
OUTDOOR UNIT CURRENT (A)		5.4	6.0	6.6	7.2	7.8	8.3	8.8	
COMPRESSOR CURRENT (A)		4.7	5.3	5.9	6.5	7.1	7.6	8.1	
INDOOR COIL DB TEMP DROP (°F)		21	20	19	18	17	16	15	

Continued on next page.

## YCD24B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	600	LIQUID PRESSURE (PSIG)	197	225	263	309	365	430	505
		LIQUID TEMPERATURE (°F)	55	63	72	82	93	103	114
		LIQUID SUBCOOLING (°F)	14	14	15	16	17	19	21
		SUCTION PRESSURE (PSIG)	98	102	106	111	117	123	130
		SUCTION TEMPERATURE (°F)	45	49	51	54	57	61	64
		SUCTION SUPERHEAT (°F)	14	16	17	17	18	19	19
		OUTDOOR UNIT CURRENT (A)	5.3	5.9	6.5	7.0	7.6	8.2	8.8
		COMPRESSOR CURRENT (A)	4.6	5.2	5.8	6.3	6.9	7.5	8.1
	INDOOR COIL DB TEMP DROP (°F)	34	32	31	29	28	26	25	
	800	LIQUID PRESSURE (PSIG)	199	227	265	311	367	432	507
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	108	118
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	106	110	114	119	125	131	138
		SUCTION TEMPERATURE (°F)	47	51	54	56	60	63	66
		SUCTION SUPERHEAT (°F)	13	15	16	16	17	18	18
		OUTDOOR UNIT CURRENT (A)	5.4	6.0	6.6	7.1	7.7	8.3	8.9
		COMPRESSOR CURRENT (A)	4.7	5.3	5.9	6.4	7.0	7.6	8.2
	INDOOR COIL DB TEMP DROP (°F)	30	28	27	25	24	22	21	
	1000	LIQUID PRESSURE (PSIG)	201	229	267	313	369	434	509
		LIQUID TEMPERATURE (°F)	64	72	81	91	102	112	122
		LIQUID SUBCOOLING (°F)	6	6	7	8	9	11	13
		SUCTION PRESSURE (PSIG)	114	118	122	127	133	139	146
		SUCTION TEMPERATURE (°F)	50	54	57	59	62	66	68
		SUCTION SUPERHEAT (°F)	12	14	15	15	16	17	17
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	6.7	7.2	7.8	8.4	9.0
		COMPRESSOR CURRENT (A)	4.8	5.4	6.0	6.5	7.1	7.7	8.3
	INDOOR COIL DB TEMP DROP (°F)	26	24	23	21	20	18	17	
	80/62	600	LIQUID PRESSURE (PSIG)	201	229	266	311	364	426
LIQUID TEMPERATURE (°F)			57	66	76	87	96	106	115
LIQUID SUBCOOLING (°F)			13	12	12	12	14	16	19
SUCTION PRESSURE (PSIG)			108	111	115	118	122	126	131
SUCTION TEMPERATURE (°F)			49	51	54	56	58	60	63
SUCTION SUPERHEAT (°F)			14	14	15	16	16	17	18
OUTDOOR UNIT CURRENT (A)			5.3	5.9	6.5	7.1	7.7	8.2	8.7
COMPRESSOR CURRENT (A)			4.6	5.2	5.8	6.4	7.0	7.5	8.0
INDOOR COIL DB TEMP DROP (°F)		30	29	28	27	26	25	23	
800		LIQUID PRESSURE (PSIG)	203	231	268	313	366	428	499
		LIQUID TEMPERATURE (°F)	60	69	79	89	98	108	117
		LIQUID SUBCOOLING (°F)	11	10	10	10	12	14	17
		SUCTION PRESSURE (PSIG)	114	117	121	124	128	132	137
		SUCTION TEMPERATURE (°F)	52	53	56	59	60	63	66
		SUCTION SUPERHEAT (°F)	14	14	15	16	16	17	18
		OUTDOOR UNIT CURRENT (A)	5.4	6.0	6.6	7.2	7.8	8.3	8.8
		COMPRESSOR CURRENT (A)	4.7	5.3	5.9	6.5	7.1	7.6	8.1
INDOOR COIL DB TEMP DROP (°F)		27	26	25	24	23	22	20	
1000		LIQUID PRESSURE (PSIG)	205	233	270	315	368	430	501
		LIQUID TEMPERATURE (°F)	63	72	82	93	102	111	120
		LIQUID SUBCOOLING (°F)	8	7	7	7	9	11	14
		SUCTION PRESSURE (PSIG)	120	123	127	130	134	138	143
		SUCTION TEMPERATURE (°F)	55	56	59	61	63	65	68
		SUCTION SUPERHEAT (°F)	14	14	15	16	16	17	18
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	6.7	7.3	7.9	8.4	8.9
		COMPRESSOR CURRENT (A)	4.8	5.4	6.0	6.6	7.2	7.7	8.2
INDOOR COIL DB TEMP DROP (°F)		24	23	22	21	20	19	17	

Continued on next page.

## YCD24B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	600	LIQUID PRESSURE (PSIG)	204	233	271	317	372	435	507
		LIQUID TEMPERATURE (°F)	61	69	79	89	98	107	115
		LIQUID SUBCOOLING (°F)	10	10	10	11	13	16	20
		SUCTION PRESSURE (PSIG)	119	123	128	132	136	140	144
		SUCTION TEMPERATURE (°F)	55	56	57	59	60	63	67
		SUCTION SUPERHEAT (°F)	15	14	13	13	13	14	16
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.7	7.3	8.0	8.6	9.2
		COMPRESSOR CURRENT (A)	4.6	5.3	6.0	6.6	7.3	7.9	8.5
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	24	23	22	21	
	800	LIQUID PRESSURE (PSIG)	205	234	272	318	373	436	508
		LIQUID TEMPERATURE (°F)	63	72	82	91	101	109	117
		LIQUID SUBCOOLING (°F)	8	8	8	9	11	14	18
		SUCTION PRESSURE (PSIG)	123	127	132	136	140	144	148
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	66	69
		SUCTION SUPERHEAT (°F)	16	15	14	14	14	15	17
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.7	7.3	8.0	8.6	9.2
		COMPRESSOR CURRENT (A)	4.6	5.3	6.0	6.6	7.3	7.9	8.5
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	20	19	18	
	1000	LIQUID PRESSURE (PSIG)	206	235	273	319	374	437	509
		LIQUID TEMPERATURE (°F)	66	74	84	93	103	112	119
		LIQUID SUBCOOLING (°F)	6	6	6	7	9	12	16
		SUCTION PRESSURE (PSIG)	127	131	136	140	144	148	152
		SUCTION TEMPERATURE (°F)	61	61	62	64	66	68	72
		SUCTION SUPERHEAT (°F)	17	16	15	15	15	16	18
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.7	7.3	8.0	8.6	9.2
		COMPRESSOR CURRENT (A)	4.6	5.3	6.0	6.6	7.3	7.9	8.5
	INDOOR COIL DB TEMP DROP (°F)	20	20	19	18	17	16	15	
	80/72	600	LIQUID PRESSURE (PSIG)	204	233	270	315	370	433
LIQUID TEMPERATURE (°F)			63	73	83	94	103	112	119
LIQUID SUBCOOLING (°F)			8	6	6	6	8	11	16
SUCTION PRESSURE (PSIG)			124	131	137	143	147	151	154
SUCTION TEMPERATURE (°F)			64	63	64	64	66	68	71
SUCTION SUPERHEAT (°F)			21	18	16	14	14	15	17
OUTDOOR UNIT CURRENT (A)			5.3	5.9	6.6	7.3	8.0	8.7	9.4
COMPRESSOR CURRENT (A)			4.6	5.2	5.9	6.6	7.3	8.0	8.7
INDOOR COIL DB TEMP DROP (°F)		21	21	20	20	19	18	17	
800		LIQUID PRESSURE (PSIG)	205	234	271	316	371	434	506
		LIQUID TEMPERATURE (°F)	63	74	83	94	103	112	119
		LIQUID SUBCOOLING (°F)	8	6	6	6	8	11	16
		SUCTION PRESSURE (PSIG)	128	135	141	147	151	155	158
		SUCTION TEMPERATURE (°F)	66	66	66	67	68	71	74
		SUCTION SUPERHEAT (°F)	22	19	17	15	15	16	18
		OUTDOOR UNIT CURRENT (A)	5.3	5.9	6.6	7.3	8.0	8.7	9.4
		COMPRESSOR CURRENT (A)	4.6	5.2	5.9	6.6	7.3	8.0	8.7
INDOOR COIL DB TEMP DROP (°F)		18	18	17	17	16	15	14	
1000		LIQUID PRESSURE (PSIG)	206	235	272	317	372	435	507
		LIQUID TEMPERATURE (°F)	64	74	84	94	103	112	119
		LIQUID SUBCOOLING (°F)	8	6	6	6	8	11	16
		SUCTION PRESSURE (PSIG)	132	139	145	151	155	159	162
		SUCTION TEMPERATURE (°F)	69	69	69	69	71	73	76
		SUCTION SUPERHEAT (°F)	23	20	18	16	16	17	19
		OUTDOOR UNIT CURRENT (A)	5.3	5.9	6.6	7.3	8.0	8.7	9.4
		COMPRESSOR CURRENT (A)	4.6	5.2	5.9	6.6	7.3	8.0	8.7
INDOOR COIL DB TEMP DROP (°F)		15	15	14	14	13	12	11	

FOR USE WITH MODELS WITH TXV:

YCD24B22S

TC3B2422S

RAC13L24B22S

QC3B24B22S

YCD24B22S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	199(5)	202(4)	205(3)	208(2)
60	213(6)	215(5)	219(4)	223(3)
65	229(6)	231(6)	235(6)	239(4)
70	247(7)	250(8)	253(7)	258(6)
75	267(8)	270(9)	274(8)	278(7)
80	290(9)	293(10)	296(9)	301(8)
85	315(10)	318(11)	321(11)	325(9)
90	342(11)	345(12)	348(12)	351(10)
95	372(13)	375(13)	376(13)	378(12)
100	404(14)	406(15)	407(14)	408(13)
105	438(15)	440(16)	440(15)	440(14)
110	474(16)	477(17)	475(17)	473(16)
115	513(18)	515(18)	512(18)	508(17)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCD24B22S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	600	LIQUID PRESSURE (PSIG)	204	233	271	319	378	446	518
		LIQUID TEMPERATURE (°F)	64	70	78	87	97	106	117
		LIQUID SUBCOOLING (°F)	7	9	11	13	16	19	20
		SUCTION PRESSURE (PSIG)	116	117	119	121	124	127	130
		SUCTION TEMPERATURE (°F)	51	52	53	54	57	59	60
		SUCTION SUPERHEAT (°F)	12	13	13	13	14	15	15
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.9	6.8	7.9	9.3	10.8
		COMPRESSOR CURRENT (A)	4.0	4.5	5.2	6.1	7.2	8.6	10.1
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	24	23	22
	800	LIQUID PRESSURE (PSIG)	202	231	269	317	376	444	516
		LIQUID TEMPERATURE (°F)	65	72	80	89	98	108	119
		LIQUID SUBCOOLING (°F)	5	7	9	11	14	17	18
		SUCTION PRESSURE (PSIG)	122	123	125	127	130	133	136
		SUCTION TEMPERATURE (°F)	54	55	56	57	59	61	62
		SUCTION SUPERHEAT (°F)	12	13	13	13	14	15	15
		OUTDOOR UNIT CURRENT (A)	4.7	5.1	5.8	6.7	7.8	9.2	10.7
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	6.0	7.1	8.5	10.0
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19
	1000	LIQUID PRESSURE (PSIG)	200	229	267	315	374	442	514
		LIQUID TEMPERATURE (°F)	67	73	81	91	100	109	120
		LIQUID SUBCOOLING (°F)	3	5	7	9	12	15	16
		SUCTION PRESSURE (PSIG)	128	129	131	133	136	139	142
		SUCTION TEMPERATURE (°F)	56	58	58	59	61	64	65
		SUCTION SUPERHEAT (°F)	12	13	13	13	14	15	15
OUTDOOR UNIT CURRENT (A)		4.6	5.0	5.7	6.6	7.7	9.1	10.6	
COMPRESSOR CURRENT (A)		3.8	4.3	5.0	5.9	7.0	8.4	9.9	
INDOOR COIL DB TEMP DROP (°F)		20	19	19	18	18	17	16	

Continued on next page.

## YCD24B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	600	LIQUID PRESSURE (PSIG)	201	231	269	317	374	440	515
		LIQUID TEMPERATURE (°F)	64	71	79	88	97	107	116
		LIQUID SUBCOOLING (°F)	6	8	10	12	15	17	20
		SUCTION PRESSURE (PSIG)	106	108	110	114	117	121	126
		SUCTION TEMPERATURE (°F)	48	49	50	53	54	57	60
		SUCTION SUPERHEAT (°F)	14	14	14	15	15	16	17
		OUTDOOR UNIT CURRENT (A)	4.7	5.2	5.9	6.8	7.9	9.1	10.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.2	6.1	7.2	8.4	9.9
	INDOOR COIL DB TEMP DROP (°F)	33	32	32	31	29	28	26	
	800	LIQUID PRESSURE (PSIG)	199	229	267	315	372	438	513
		LIQUID TEMPERATURE (°F)	65	72	80	90	98	109	118
		LIQUID SUBCOOLING (°F)	4	6	8	10	13	15	18
		SUCTION PRESSURE (PSIG)	116	118	120	124	127	131	136
		SUCTION TEMPERATURE (°F)	52	53	54	57	58	60	63
		SUCTION SUPERHEAT (°F)	13	13	13	14	14	15	16
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.8	6.7	7.8	9.0	10.5
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	6.0	7.1	8.3	9.8
	INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	25	24	22	
	1000	LIQUID PRESSURE (PSIG)	197	227	265	313	370	436	511
		LIQUID TEMPERATURE (°F)	67	74	82	91	100	110	120
		LIQUID SUBCOOLING (°F)	2	4	6	8	11	13	16
		SUCTION PRESSURE (PSIG)	126	128	130	134	137	141	146
		SUCTION TEMPERATURE (°F)	55	56	57	60	61	63	66
		SUCTION SUPERHEAT (°F)	12	12	12	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	4.5	5.0	5.7	6.6	7.7	8.9	10.4
		COMPRESSOR CURRENT (A)	3.8	4.3	5.0	5.9	7.0	8.2	9.7
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	21	20	18	
	80/62	600	LIQUID PRESSURE (PSIG)	205	234	273	321	378	443
LIQUID TEMPERATURE (°F)			65	72	79	88	98	107	117
LIQUID SUBCOOLING (°F)			6	8	11	13	15	18	20
SUCTION PRESSURE (PSIG)			115	117	119	122	124	128	131
SUCTION TEMPERATURE (°F)			52	52	54	56	58	60	62
SUCTION SUPERHEAT (°F)			13	13	14	14	15	16	17
OUTDOOR UNIT CURRENT (A)			4.7	5.2	5.9	6.8	7.9	9.1	10.6
COMPRESSOR CURRENT (A)			4.0	4.5	5.2	6.1	7.2	8.4	9.9
INDOOR COIL DB TEMP DROP (°F)		30	30	29	28	28	27	25	
800		LIQUID PRESSURE (PSIG)	202	231	270	318	375	440	515
		LIQUID TEMPERATURE (°F)	66	73	80	89	99	108	118
		LIQUID SUBCOOLING (°F)	4	6	9	11	13	16	18
		SUCTION PRESSURE (PSIG)	122	124	126	129	131	135	138
		SUCTION TEMPERATURE (°F)	54	55	56	58	59	62	64
		SUCTION SUPERHEAT (°F)	12	12	13	13	14	15	16
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.8	6.7	7.8	9.0	10.5
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	6.0	7.1	8.3	9.8
INDOOR COIL DB TEMP DROP (°F)		27	27	26	25	25	24	22	
1000		LIQUID PRESSURE (PSIG)	199	228	267	315	372	437	512
		LIQUID TEMPERATURE (°F)	67	74	81	91	100	110	120
		LIQUID SUBCOOLING (°F)	2	4	7	9	11	14	16
		SUCTION PRESSURE (PSIG)	129	131	133	136	138	142	145
		SUCTION TEMPERATURE (°F)	56	56	58	59	61	64	66
		SUCTION SUPERHEAT (°F)	11	11	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	4.5	5.0	5.7	6.6	7.7	8.9	10.4
		COMPRESSOR CURRENT (A)	3.8	4.3	5.0	5.9	7.0	8.2	9.7
INDOOR COIL DB TEMP DROP (°F)		24	24	23	22	22	21	19	

Continued on next page.



## YCD24B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	600	LIQUID PRESSURE (PSIG)	206	236	275	322	377	441	513
		LIQUID TEMPERATURE (°F)	68	73	81	89	98	108	117
		LIQUID SUBCOOLING (°F)	4	7	9	12	14	16	19
		SUCTION PRESSURE (PSIG)	127	128	130	133	135	138	141
		SUCTION TEMPERATURE (°F)	57	57	58	60	61	62	64
		SUCTION SUPERHEAT (°F)	13	13	13	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	4.7	5.2	5.9	6.8	7.8	9.0	10.4
		COMPRESSOR CURRENT (A)	4.0	4.5	5.2	6.1	7.1	8.3	9.7
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	25	24	23	22	
	800	LIQUID PRESSURE (PSIG)	205	235	274	321	376	440	512
		LIQUID TEMPERATURE (°F)	68	74	82	90	99	109	118
		LIQUID SUBCOOLING (°F)	3	6	8	11	13	15	18
		SUCTION PRESSURE (PSIG)	133	134	136	139	141	144	147
		SUCTION TEMPERATURE (°F)	59	60	60	63	63	65	67
		SUCTION SUPERHEAT (°F)	13	13	13	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.8	6.7	7.7	8.9	10.3
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	6.0	7.0	8.2	9.6
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	21	20	19	
	1000	LIQUID PRESSURE (PSIG)	204	234	273	320	375	439	511
		LIQUID TEMPERATURE (°F)	69	75	83	91	100	110	119
		LIQUID SUBCOOLING (°F)	2	5	7	10	12	14	17
		SUCTION PRESSURE (PSIG)	139	140	142	145	147	150	153
		SUCTION TEMPERATURE (°F)	62	62	63	65	66	67	69
		SUCTION SUPERHEAT (°F)	13	13	13	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	4.5	5.0	5.7	6.6	7.6	8.8	10.2
		COMPRESSOR CURRENT (A)	3.8	4.3	5.0	5.9	6.9	8.1	9.5
	INDOOR COIL DB TEMP DROP (°F)	20	19	19	19	18	17	16	
	80/72	600	LIQUID PRESSURE (PSIG)	208	239	278	325	378	440
LIQUID TEMPERATURE (°F)			69	76	83	92	100	109	117
LIQUID SUBCOOLING (°F)			3	5	8	10	13	15	18
SUCTION PRESSURE (PSIG)			137	140	143	146	149	151	154
SUCTION TEMPERATURE (°F)			62	62	63	63	65	66	67
SUCTION SUPERHEAT (°F)			14	13	13	12	12	13	13
OUTDOOR UNIT CURRENT (A)			4.6	5.1	5.8	6.6	7.6	8.8	10.2
COMPRESSOR CURRENT (A)			3.9	4.4	5.1	5.9	6.9	8.1	9.5
INDOOR COIL DB TEMP DROP (°F)		21	21	20	20	19	19	18	
800		LIQUID PRESSURE (PSIG)	208	239	278	325	378	440	508
		LIQUID TEMPERATURE (°F)	70	77	84	93	101	110	118
		LIQUID SUBCOOLING (°F)	2	4	7	9	12	14	17
		SUCTION PRESSURE (PSIG)	142	145	148	151	154	156	159
		SUCTION TEMPERATURE (°F)	65	65	66	66	67	69	70
		SUCTION SUPERHEAT (°F)	15	14	14	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.8	6.6	7.6	8.8	10.2
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	5.9	6.9	8.1	9.5
INDOOR COIL DB TEMP DROP (°F)		18	18	17	17	16	16	15	
1000		LIQUID PRESSURE (PSIG)	208	239	278	325	378	440	508
		LIQUID TEMPERATURE (°F)	71	78	85	94	102	111	119
		LIQUID SUBCOOLING (°F)	1	3	6	8	11	13	16
		SUCTION PRESSURE (PSIG)	147	150	153	156	159	161	164
		SUCTION TEMPERATURE (°F)	68	68	69	69	70	72	73
		SUCTION SUPERHEAT (°F)	16	15	15	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.8	6.6	7.6	8.8	10.2
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	5.9	6.9	8.1	9.5
INDOOR COIL DB TEMP DROP (°F)		15	15	14	14	13	13	12	

FOR USE WITH MODELS WITH TXV:

- YCD24B23S
- TC3B2423S
- RAC1324B24S
- QC3B24B23S

YCD24B23S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	197(6)	198(5)	200(3)	203(2)
60	213(7)	215(6)	217(4)	220(3)
65	231(7)	233(7)	235(5)	238(3)
70	249(8)	252(8)	254(6)	257(4)
75	269(9)	272(9)	274(7)	277(5)
80	290(9)	293(10)	295(8)	298(6)
85	313(10)	316(10)	317(9)	321(6)
90	337(10)	339(11)	342(10)	345(7)
95	362(11)	364(11)	367(10)	370(8)
100	388(11)	390(12)	393(11)	396(9)
105	416(11)	418(12)	421(11)	424(9)
110	445(12)	446(12)	449(11)	453(10)
115	476(12)	476(12)	479(12)	483(11)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

YCD24B23S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	600	LIQUID PRESSURE (PSIG)	198	232	272	316	365	419	476
		LIQUID TEMPERATURE (°F)	63	70	80	88	97	107	117
		LIQUID SUBCOOLING (°F)	6	9	10	12	13	13	13
		SUCTION PRESSURE (PSIG)	115	117	119	121	124	126	130
		SUCTION TEMPERATURE (°F)	53	52	53	54	56	56	58
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.7	5.4	6.1	6.9	7.7	8.6	9.5
		COMPRESSOR CURRENT (A)	4.0	4.7	5.4	6.2	7.0	7.9	8.8
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	25	24	23	23
	800	LIQUID PRESSURE (PSIG)	198	232	272	316	365	419	476
		LIQUID TEMPERATURE (°F)	64	71	81	89	98	108	118
		LIQUID SUBCOOLING (°F)	5	8	9	11	12	12	12
		SUCTION PRESSURE (PSIG)	121	123	125	127	130	132	136
		SUCTION TEMPERATURE (°F)	55	55	56	57	58	59	60
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.7	5.4	6.1	6.9	7.7	8.6	9.5
		COMPRESSOR CURRENT (A)	4.0	4.7	5.4	6.2	7.0	7.9	8.8
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	20
	1000	LIQUID PRESSURE (PSIG)	198	232	272	316	365	419	476
		LIQUID TEMPERATURE (°F)	65	72	82	90	99	109	119
		LIQUID SUBCOOLING (°F)	4	7	8	10	11	11	11
		SUCTION PRESSURE (PSIG)	127	129	131	133	136	138	142
		SUCTION TEMPERATURE (°F)	58	58	58	59	60	61	63
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	13
OUTDOOR UNIT CURRENT (A)		4.7	5.4	6.1	6.9	7.7	8.6	9.5	
COMPRESSOR CURRENT (A)		4.0	4.7	5.4	6.2	7.0	7.9	8.8	
INDOOR COIL DB TEMP DROP (°F)		21	20	19	19	18	17	17	

Continued on next page.

## YCD24B23S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	600	LIQUID PRESSURE (PSIG)	196	230	268	312	361	415	475
		LIQUID TEMPERATURE (°F)	61	70	78	87	96	107	116
		LIQUID SUBCOOLING (°F)	8	9	11	12	13	13	14
		SUCTION PRESSURE (PSIG)	103	106	109	113	116	121	125
		SUCTION TEMPERATURE (°F)	49	50	52	54	54	56	58
		SUCTION SUPERHEAT (°F)	16	16	16	16	15	15	15
		OUTDOOR UNIT CURRENT (A)	4.9	5.5	6.2	6.9	7.7	8.6	9.5
		COMPRESSOR CURRENT (A)	4.2	4.8	5.5	6.2	7.0	7.9	8.8
	INDOOR COIL DB TEMP DROP (°F)	35	34	33	32	31	30	29	
	800	LIQUID PRESSURE (PSIG)	197	231	269	313	362	416	476
		LIQUID TEMPERATURE (°F)	63	72	80	89	98	109	118
		LIQUID SUBCOOLING (°F)	6	7	9	10	11	11	12
		SUCTION PRESSURE (PSIG)	113	116	119	123	126	131	135
		SUCTION TEMPERATURE (°F)	53	54	55	57	57	59	61
		SUCTION SUPERHEAT (°F)	15	15	15	15	14	14	14
		OUTDOOR UNIT CURRENT (A)	4.9	5.5	6.2	6.9	7.7	8.6	9.5
		COMPRESSOR CURRENT (A)	4.2	4.8	5.5	6.2	7.0	7.9	8.8
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	24	
	1000	LIQUID PRESSURE (PSIG)	198	232	270	314	363	417	477
		LIQUID TEMPERATURE (°F)	65	74	82	91	101	111	120
		LIQUID SUBCOOLING (°F)	4	5	7	8	9	9	10
		SUCTION PRESSURE (PSIG)	123	126	129	133	136	141	145
		SUCTION TEMPERATURE (°F)	56	57	59	60	60	62	64
		SUCTION SUPERHEAT (°F)	14	14	14	14	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.9	5.5	6.2	6.9	7.7	8.6	9.5
		COMPRESSOR CURRENT (A)	4.2	4.8	5.5	6.2	7.0	7.9	8.8
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19	
	80/62	600	LIQUID PRESSURE (PSIG)	197	232	271	315	363	417
LIQUID TEMPERATURE (°F)			63	71	79	89	98	107	117
LIQUID SUBCOOLING (°F)			6	8	10	11	12	13	13
SUCTION PRESSURE (PSIG)			116	119	121	123	124	125	126
SUCTION TEMPERATURE (°F)			53	54	55	55	56	57	57
SUCTION SUPERHEAT (°F)			14	14	14	13	13	14	14
OUTDOOR UNIT CURRENT (A)			4.9	5.6	6.3	7.0	7.8	8.6	9.5
COMPRESSOR CURRENT (A)			4.2	4.8	5.5	6.3	7.1	7.9	8.8
INDOOR COIL DB TEMP DROP (°F)		30	29	28	27	27	27	28	
800		LIQUID PRESSURE (PSIG)	198	233	272	316	364	418	476
		LIQUID TEMPERATURE (°F)	64	72	81	90	99	108	118
		LIQUID SUBCOOLING (°F)	5	7	9	10	11	12	12
		SUCTION PRESSURE (PSIG)	121	124	126	128	129	130	131
		SUCTION TEMPERATURE (°F)	55	57	57	57	58	59	59
		SUCTION SUPERHEAT (°F)	14	14	14	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	4.9	5.6	6.3	7.0	7.8	8.6	9.5
		COMPRESSOR CURRENT (A)	4.2	4.8	5.5	6.3	7.1	7.9	8.8
INDOOR COIL DB TEMP DROP (°F)		28	27	26	25	25	25	26	
1000		LIQUID PRESSURE (PSIG)	199	234	273	317	365	419	477
		LIQUID TEMPERATURE (°F)	65	74	82	91	100	109	119
		LIQUID SUBCOOLING (°F)	4	6	8	9	10	11	11
		SUCTION PRESSURE (PSIG)	126	129	131	133	134	135	136
		SUCTION TEMPERATURE (°F)	57	59	59	59	60	61	61
		SUCTION SUPERHEAT (°F)	14	14	14	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	4.9	5.6	6.3	7.0	7.8	8.6	9.5
		COMPRESSOR CURRENT (A)	4.2	4.8	5.5	6.3	7.1	7.9	8.8
INDOOR COIL DB TEMP DROP (°F)		26	25	24	23	23	23	24	

Continued on next page.

## YCD24B23S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	600	LIQUID PRESSURE (PSIG)	199	234	273	317	366	420	478
		LIQUID TEMPERATURE (°F)	65	74	82	90	99	109	117
		LIQUID SUBCOOLING (°F)	4	6	8	10	11	12	13
		SUCTION PRESSURE (PSIG)	125	128	130	133	135	138	141
		SUCTION TEMPERATURE (°F)	57	57	58	59	60	61	62
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.7	5.4	6.1	6.9	7.8	8.7	9.6
		COMPRESSOR CURRENT (A)	3.9	4.6	5.4	6.2	7.0	7.9	8.9
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	24	24	23	
	800	LIQUID PRESSURE (PSIG)	200	235	274	318	367	421	479
		LIQUID TEMPERATURE (°F)	67	75	83	91	100	110	119
		LIQUID SUBCOOLING (°F)	3	5	7	9	10	11	12
		SUCTION PRESSURE (PSIG)	131	134	136	139	141	144	147
		SUCTION TEMPERATURE (°F)	59	60	60	62	62	64	65
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.7	5.4	6.1	6.9	7.8	8.7	9.6
		COMPRESSOR CURRENT (A)	3.9	4.6	5.4	6.2	7.0	7.9	8.9
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	21	20	
	1000	LIQUID PRESSURE (PSIG)	201	236	275	319	368	422	480
		LIQUID TEMPERATURE (°F)	68	76	84	92	102	111	120
		LIQUID SUBCOOLING (°F)	2	4	6	8	9	10	11
		SUCTION PRESSURE (PSIG)	137	140	142	145	147	150	153
		SUCTION TEMPERATURE (°F)	62	62	63	64	65	66	67
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.7	5.4	6.1	6.9	7.8	8.7	9.6
		COMPRESSOR CURRENT (A)	3.9	4.6	5.4	6.2	7.0	7.9	8.9
	INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	18	17	
	80/72	600	LIQUID PRESSURE (PSIG)	202	237	276	320	369	423
LIQUID TEMPERATURE (°F)			68	77	86	95	103	112	120
LIQUID SUBCOOLING (°F)			2	3	5	6	8	9	11
SUCTION PRESSURE (PSIG)			137	140	144	147	150	153	155
SUCTION TEMPERATURE (°F)			64	64	65	65	66	67	68
SUCTION SUPERHEAT (°F)			16	15	14	13	13	13	13
OUTDOOR UNIT CURRENT (A)			4.5	5.3	6.1	6.9	7.8	8.7	9.7
COMPRESSOR CURRENT (A)			3.8	4.5	5.3	6.2	7.1	8.0	9.0
INDOOR COIL DB TEMP DROP (°F)		22	21	21	20	19	19	18	
800		LIQUID PRESSURE (PSIG)	203	238	277	321	370	424	483
		LIQUID TEMPERATURE (°F)	69	78	86	95	103	112	120
		LIQUID SUBCOOLING (°F)	2	3	5	6	8	9	11
		SUCTION PRESSURE (PSIG)	142	145	149	152	155	158	160
		SUCTION TEMPERATURE (°F)	66	66	67	67	68	69	70
		SUCTION SUPERHEAT (°F)	16	15	14	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.5	5.3	6.1	6.9	7.8	8.7	9.7
		COMPRESSOR CURRENT (A)	3.8	4.5	5.3	6.2	7.1	8.0	9.0
INDOOR COIL DB TEMP DROP (°F)		19	18	18	17	16	16	15	
1000		LIQUID PRESSURE (PSIG)	204	239	278	322	371	425	484
		LIQUID TEMPERATURE (°F)	69	78	86	95	103	112	120
		LIQUID SUBCOOLING (°F)	2	3	5	6	8	9	11
		SUCTION PRESSURE (PSIG)	147	150	154	157	160	163	165
		SUCTION TEMPERATURE (°F)	69	69	69	69	71	72	72
		SUCTION SUPERHEAT (°F)	17	16	15	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	4.5	5.3	6.1	6.9	7.8	8.7	9.7
		COMPRESSOR CURRENT (A)	3.8	4.5	5.3	6.2	7.1	8.0	9.0
INDOOR COIL DB TEMP DROP (°F)		16	15	15	14	13	13	12	

FOR USE WITH MODELS WITH TXV:

YCD30B21(S,H)

TC3B3021(S,H)

RAC13L30B21S

QC3B30B21S

YCD30B21(S,H) SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	207(7)	214(8)	214(6)	216(6)
60	214(6)	221(8)	221(6)	223(5)
65	224(6)	232(8)	232(6)	234(5)
70	238(6)	246(8)	248(6)	249(5)
75	256(7)	264(8)	267(7)	268(5)
80	279(7)	285(9)	291(9)	292(6)
85	305(9)	311(10)	319(10)	319(8)
90	336(10)	340(11)	352(12)	350(9)
95	370(12)	373(13)	388(15)	385(12)
100	408(14)	410(14)	429(17)	425(14)
105	451(17)	450(16)	474(20)	468(17)
110	497(19)	495(19)	523(23)	516(21)
115	548(23)	543(21)	577(27)	567(25)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCD30B21(S,H) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	800	LIQUID PRESSURE (PSIG)	207	223	256	307	374	458	559
		LIQUID TEMPERATURE (°F)	65	70	76	87	97	108	118
		LIQUID SUBCOOLING (°F)	7	7	9	11	15	19	25
		SUCTION PRESSURE (PSIG)	113	116	119	122	125	129	133
		SUCTION TEMPERATURE (°F)	48	49	50	52	53	56	57
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	6.3	7.1	7.9	8.7	9.5	10.3	11.1
		COMPRESSOR CURRENT (A)	5.5	6.3	7.1	7.9	8.7	9.5	10.3
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	20	
	1000	LIQUID PRESSURE (PSIG)	211	227	260	311	378	462	563
		LIQUID TEMPERATURE (°F)	66	71	78	88	98	109	119
		LIQUID SUBCOOLING (°F)	7	7	9	11	15	19	25
		SUCTION PRESSURE (PSIG)	117	120	123	126	129	133	137
		SUCTION TEMPERATURE (°F)	50	52	53	54	56	58	60
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	12	12
		OUTDOOR UNIT CURRENT (A)	6.4	7.2	8.0	8.8	9.6	10.4	11.2
		COMPRESSOR CURRENT (A)	5.6	6.4	7.2	8.0	8.8	9.6	10.4
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	18	
	1200	LIQUID PRESSURE (PSIG)	215	231	264	315	382	466	567
		LIQUID TEMPERATURE (°F)	67	72	79	89	98	109	119
		LIQUID SUBCOOLING (°F)	7	7	9	11	15	19	25
		SUCTION PRESSURE (PSIG)	121	124	127	130	133	137	141
		SUCTION TEMPERATURE (°F)	53	55	56	57	58	61	62
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13
OUTDOOR UNIT CURRENT (A)		6.5	7.3	8.1	8.9	9.7	10.5	11.3	
COMPRESSOR CURRENT (A)		5.7	6.5	7.3	8.1	8.9	9.7	10.5	
INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	16		

Continued on next page.

## YCD30B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	800	LIQUID PRESSURE (PSIG)	203	220	252	301	366	447	544
		LIQUID TEMPERATURE (°F)	63	69	76	86	97	107	117
		LIQUID SUBCOOLING (°F)	8	7	8	10	13	18	24
		SUCTION PRESSURE (PSIG)	103	107	111	116	122	127	134
		SUCTION TEMPERATURE (°F)	44	45	46	47	50	52	56
		SUCTION SUPERHEAT (°F)	11	10	9	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	6.3	7.1	7.8	8.6	9.4	10.2	11.1
		COMPRESSOR CURRENT (A)	5.5	6.3	7.0	7.8	8.6	9.4	10.3
	INDOOR COIL DB TEMP DROP (°F)	35	33	32	30	29	27	26	
	1000	LIQUID PRESSURE (PSIG)	207	224	256	305	370	451	548
		LIQUID TEMPERATURE (°F)	65	71	78	88	99	109	118
		LIQUID SUBCOOLING (°F)	7	6	7	9	12	17	23
		SUCTION PRESSURE (PSIG)	110	114	118	123	129	134	141
		SUCTION TEMPERATURE (°F)	48	49	50	51	54	56	59
		SUCTION SUPERHEAT (°F)	12	11	10	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	6.4	7.2	7.9	8.7	9.5	10.3	11.2
		COMPRESSOR CURRENT (A)	5.6	6.4	7.1	7.9	8.7	9.5	10.4
	INDOOR COIL DB TEMP DROP (°F)	31	29	28	26	25	23	22	
	1200	LIQUID PRESSURE (PSIG)	211	228	260	309	374	455	552
		LIQUID TEMPERATURE (°F)	67	73	81	90	101	111	120
		LIQUID SUBCOOLING (°F)	6	5	6	8	11	16	22
		SUCTION PRESSURE (PSIG)	117	121	125	130	136	141	148
		SUCTION TEMPERATURE (°F)	52	53	54	55	57	59	63
		SUCTION SUPERHEAT (°F)	13	12	11	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	6.5	7.3	8.0	8.8	9.6	10.4	11.3
		COMPRESSOR CURRENT (A)	5.7	6.5	7.2	8.0	8.8	9.6	10.5
	INDOOR COIL DB TEMP DROP (°F)	27	25	24	22	21	19	18	
	80/62	800	LIQUID PRESSURE (PSIG)	215	233	265	312	374	451
LIQUID TEMPERATURE (°F)			64	69	78	87	97	108	118
LIQUID SUBCOOLING (°F)			10	10	10	12	15	18	23
SUCTION PRESSURE (PSIG)			112	115	118	122	126	131	136
SUCTION TEMPERATURE (°F)			48	50	50	52	52	53	54
SUCTION SUPERHEAT (°F)			11	11	10	10	9	8	7
OUTDOOR UNIT CURRENT (A)			6.3	7.2	8.0	8.8	9.5	10.3	11.0
COMPRESSOR CURRENT (A)			5.5	6.4	7.2	8.0	8.7	9.5	10.2
INDOOR COIL DB TEMP DROP (°F)		32	31	29	28	27	26	25	
1000		LIQUID PRESSURE (PSIG)	214	232	264	311	373	450	543
		LIQUID TEMPERATURE (°F)	66	71	80	89	99	110	120
		LIQUID SUBCOOLING (°F)	8	8	8	10	13	16	21
		SUCTION PRESSURE (PSIG)	117	120	123	127	131	136	141
		SUCTION TEMPERATURE (°F)	51	53	53	55	55	56	57
		SUCTION SUPERHEAT (°F)	12	12	11	11	10	9	8
		OUTDOOR UNIT CURRENT (A)	6.4	7.3	8.1	8.9	9.6	10.4	11.1
		COMPRESSOR CURRENT (A)	5.6	6.5	7.3	8.1	8.8	9.6	10.3
INDOOR COIL DB TEMP DROP (°F)		29	28	26	25	24	23	22	
1200		LIQUID PRESSURE (PSIG)	213	231	263	310	372	449	542
		LIQUID TEMPERATURE (°F)	67	72	80	89	99	111	120
		LIQUID SUBCOOLING (°F)	7	7	7	9	12	15	20
		SUCTION PRESSURE (PSIG)	122	125	128	132	136	141	146
		SUCTION TEMPERATURE (°F)	55	56	56	58	58	59	60
		SUCTION SUPERHEAT (°F)	13	13	12	12	11	10	9
		OUTDOOR UNIT CURRENT (A)	6.5	7.4	8.2	9.0	9.7	10.5	11.2
		COMPRESSOR CURRENT (A)	5.7	6.6	7.4	8.2	8.9	9.7	10.4
INDOOR COIL DB TEMP DROP (°F)		26	25	23	22	21	20	19	

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## YCD30B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	800	LIQUID PRESSURE (PSIG)	215	233	268	320	389	475	578
		LIQUID TEMPERATURE (°F)	67	72	81	90	99	109	118
		LIQUID SUBCOOLING (°F)	7	7	8	11	16	21	28
		SUCTION PRESSURE (PSIG)	124	127	131	134	138	142	145
		SUCTION TEMPERATURE (°F)	56	55	55	57	58	61	64
		SUCTION SUPERHEAT (°F)	13	11	10	10	10	11	13
		OUTDOOR UNIT CURRENT (A)	6.3	7.3	8.2	9.1	10.0	10.9	11.8
		COMPRESSOR CURRENT (A)	5.5	6.5	7.4	8.3	9.2	10.1	11.0
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	22	20	
	1000	LIQUID PRESSURE (PSIG)	214	232	267	319	388	474	577
		LIQUID TEMPERATURE (°F)	68	73	81	90	100	110	119
		LIQUID SUBCOOLING (°F)	6	6	7	10	15	20	27
		SUCTION PRESSURE (PSIG)	128	131	135	138	142	146	149
		SUCTION TEMPERATURE (°F)	58	57	58	59	61	63	67
		SUCTION SUPERHEAT (°F)	14	12	11	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	6.3	7.3	8.2	9.1	10.0	10.9	11.8
		COMPRESSOR CURRENT (A)	5.5	6.5	7.4	8.3	9.2	10.1	11.0
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	18	
	1200	LIQUID PRESSURE (PSIG)	213	231	266	318	387	473	576
		LIQUID TEMPERATURE (°F)	69	74	82	91	100	111	119
		LIQUID SUBCOOLING (°F)	5	5	6	9	14	19	26
		SUCTION PRESSURE (PSIG)	132	135	139	142	146	150	153
		SUCTION TEMPERATURE (°F)	61	60	61	62	63	66	69
		SUCTION SUPERHEAT (°F)	15	13	12	12	12	13	15
OUTDOOR UNIT CURRENT (A)		6.3	7.3	8.2	9.1	10.0	10.9	11.8	
COMPRESSOR CURRENT (A)		5.5	6.5	7.4	8.3	9.2	10.1	11.0	
INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	18	16		
80/72	800	LIQUID PRESSURE (PSIG)	215	233	267	318	384	467	566
		LIQUID TEMPERATURE (°F)	68	74	83	92	102	112	119
		LIQUID SUBCOOLING (°F)	6	5	5	8	12	17	25
		SUCTION PRESSURE (PSIG)	131	137	142	147	151	155	158
		SUCTION TEMPERATURE (°F)	63	62	62	62	63	66	69
		SUCTION SUPERHEAT (°F)	18	14	12	10	10	11	13
		OUTDOOR UNIT CURRENT (A)	6.2	7.1	8.1	9.0	10.0	11.0	12.0
		COMPRESSOR CURRENT (A)	5.4	6.3	7.3	8.2	9.2	10.2	11.2
	INDOOR COIL DB TEMP DROP (°F)	21	21	20	19	19	18	17	
	1000	LIQUID PRESSURE (PSIG)	216	234	268	319	385	468	567
		LIQUID TEMPERATURE (°F)	69	75	84	92	102	112	119
		LIQUID SUBCOOLING (°F)	6	5	5	8	12	17	25
		SUCTION PRESSURE (PSIG)	135	141	146	151	155	159	162
		SUCTION TEMPERATURE (°F)	66	64	64	64	66	68	71
		SUCTION SUPERHEAT (°F)	19	15	13	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	6.3	7.2	8.2	9.1	10.1	11.1	12.1
		COMPRESSOR CURRENT (A)	5.5	6.4	7.4	8.3	9.3	10.3	11.3
	INDOOR COIL DB TEMP DROP (°F)	19	19	18	17	17	16	15	
	1200	LIQUID PRESSURE (PSIG)	217	235	269	320	386	469	568
		LIQUID TEMPERATURE (°F)	69	75	84	93	102	112	119
		LIQUID SUBCOOLING (°F)	6	5	5	8	12	17	25
		SUCTION PRESSURE (PSIG)	139	145	150	155	159	163	166
		SUCTION TEMPERATURE (°F)	69	67	67	67	68	71	74
		SUCTION SUPERHEAT (°F)	20	16	14	12	12	13	15
OUTDOOR UNIT CURRENT (A)		6.4	7.3	8.3	9.2	10.2	11.2	12.2	
COMPRESSOR CURRENT (A)		5.6	6.5	7.5	8.4	9.4	10.4	11.4	
INDOOR COIL DB TEMP DROP (°F)	17	17	16	15	15	14	13		

FOR USE WITH MODELS WITH TXV:

YCD30B22S

TC3B3022S

RAC13L30B22S

QC3B30B22S

YCD30B22S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	210(10)	213(11)	217(11)	220(11)
60	226(10)	229(12)	233(11)	236(11)
65	243(11)	246(12)	250(12)	254(12)
70	262(12)	265(13)	269(12)	273(12)
75	282(13)	286(14)	290(13)	294(12)
80	305(14)	309(14)	313(14)	316(12)
85	329(14)	333(15)	337(14)	340(13)
90	355(15)	359(15)	363(15)	366(13)
95	383(15)	387(16)	390(15)	393(14)
100	415(17)	418(18)	422(17)	424(15)
105	451(19)	454(19)	458(19)	459(17)
110	489(20)	492(21)	495(20)	495(19)
115	529(22)	532(22)	535(22)	534(20)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCD30B22S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	800	LIQUID PRESSURE (PSIG)	215	247	286	333	389	457	533
		LIQUID TEMPERATURE (°F)	60	68	77	86	97	107	116
		LIQUID SUBCOOLING (°F)	14	15	16	17	18	20	23
		SUCTION PRESSURE (PSIG)	119	121	123	125	127	130	132
		SUCTION TEMPERATURE (°F)	51	51	52	53	54	55	56
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.0	6.5	7.3	8.3	9.6	11.2	12.9
		COMPRESSOR CURRENT (A)	5.3	5.8	6.6	7.7	8.9	10.5	12.3
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	24	23	23	22	
	1000	LIQUID PRESSURE (PSIG)	214	246	285	332	388	456	532
		LIQUID TEMPERATURE (°F)	61	69	78	87	98	108	117
		LIQUID SUBCOOLING (°F)	13	14	15	16	17	19	22
		SUCTION PRESSURE (PSIG)	124	126	128	130	132	135	137
		SUCTION TEMPERATURE (°F)	54	53	54	55	56	57	58
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.0	6.5	7.3	8.3	9.6	11.2	12.9
		COMPRESSOR CURRENT (A)	5.3	5.8	6.6	7.7	8.9	10.5	12.3
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	21	20	
	1200	LIQUID PRESSURE (PSIG)	213	245	284	331	387	455	531
		LIQUID TEMPERATURE (°F)	62	70	78	88	98	109	118
		LIQUID SUBCOOLING (°F)	12	13	14	15	16	18	21
		SUCTION PRESSURE (PSIG)	129	131	133	135	137	140	142
		SUCTION TEMPERATURE (°F)	56	55	56	57	58	59	60
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	10
OUTDOOR UNIT CURRENT (A)		6.0	6.5	7.3	8.3	9.6	11.2	12.9	
COMPRESSOR CURRENT (A)		5.3	5.8	6.6	7.7	8.9	10.5	12.3	
INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	19	18		

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YCD30B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	800	LIQUID PRESSURE (PSIG)	210	243	282	329	383	451	529
		LIQUID TEMPERATURE (°F)	61	69	77	87	97	105	115
		LIQUID SUBCOOLING (°F)	12	13	15	16	17	21	24
		SUCTION PRESSURE (PSIG)	112	114	117	120	123	126	130
		SUCTION TEMPERATURE (°F)	47	48	49	51	52	53	55
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.7	7.4	8.4	9.7	11.1	12.8
		COMPRESSOR CURRENT (A)	5.4	6.0	6.7	7.8	9.0	10.4	12.1
	INDOOR COIL DB TEMP DROP (°F)	33	32	32	31	30	28	27	
	1000	LIQUID PRESSURE (PSIG)	210	243	282	329	383	451	529
		LIQUID TEMPERATURE (°F)	63	71	79	89	99	107	117
		LIQUID SUBCOOLING (°F)	10	11	13	14	15	19	22
		SUCTION PRESSURE (PSIG)	120	122	125	128	131	134	138
		SUCTION TEMPERATURE (°F)	51	52	53	54	55	57	58
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.3	8.3	9.6	11.0	12.7
		COMPRESSOR CURRENT (A)	5.3	5.9	6.6	7.7	8.9	10.3	12.0
	INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	24	23	
	1200	LIQUID PRESSURE (PSIG)	210	243	282	329	383	451	529
		LIQUID TEMPERATURE (°F)	65	73	81	91	101	109	119
		LIQUID SUBCOOLING (°F)	8	9	11	12	13	17	20
		SUCTION PRESSURE (PSIG)	128	130	133	136	139	142	146
		SUCTION TEMPERATURE (°F)	54	55	56	57	59	60	61
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	5.9	6.5	7.2	8.2	9.5	10.9	12.6
		COMPRESSOR CURRENT (A)	5.2	5.8	6.5	7.6	8.8	10.2	11.9
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	20	19	
	80/62	800	LIQUID PRESSURE (PSIG)	214	247	287	334	388	455
LIQUID TEMPERATURE (°F)			61	69	77	87	97	106	115
LIQUID SUBCOOLING (°F)			13	14	16	17	18	21	24
SUCTION PRESSURE (PSIG)			119	121	123	125	128	130	133
SUCTION TEMPERATURE (°F)			51	51	52	52	53	55	56
SUCTION SUPERHEAT (°F)			11	10	10	9	9	10	10
OUTDOOR UNIT CURRENT (A)			6.1	6.7	7.5	8.5	9.7	11.2	12.8
COMPRESSOR CURRENT (A)			5.4	6.0	6.8	7.8	9.0	10.5	12.2
INDOOR COIL DB TEMP DROP (°F)		30	30	29	29	28	27	26	
1000		LIQUID PRESSURE (PSIG)	213	246	286	333	387	454	532
		LIQUID TEMPERATURE (°F)	63	71	79	88	98	107	117
		LIQUID SUBCOOLING (°F)	11	12	14	15	16	19	22
		SUCTION PRESSURE (PSIG)	125	127	129	131	134	136	139
		SUCTION TEMPERATURE (°F)	54	54	55	54	56	57	59
		SUCTION SUPERHEAT (°F)	11	10	10	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.4	9.6	11.1	12.7
		COMPRESSOR CURRENT (A)	5.3	5.9	6.7	7.7	8.9	10.4	12.1
INDOOR COIL DB TEMP DROP (°F)		27	27	26	26	25	24	23	
1200		LIQUID PRESSURE (PSIG)	212	245	285	332	386	453	531
		LIQUID TEMPERATURE (°F)	64	73	81	90	100	109	119
		LIQUID SUBCOOLING (°F)	9	10	12	13	14	17	20
		SUCTION PRESSURE (PSIG)	131	133	135	137	140	142	145
		SUCTION TEMPERATURE (°F)	56	56	57	57	58	60	61
		SUCTION SUPERHEAT (°F)	11	10	10	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	5.9	6.5	7.3	8.3	9.5	11.0	12.6
		COMPRESSOR CURRENT (A)	5.2	5.8	6.6	7.6	8.8	10.3	12.0
INDOOR COIL DB TEMP DROP (°F)		24	24	23	23	22	21	20	

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## YCD30B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	800	LIQUID PRESSURE (PSIG)	217	250	290	337	389	458	535
		LIQUID TEMPERATURE (°F)	63	71	80	89	99	107	116
		LIQUID SUBCOOLING (°F)	12	13	14	15	16	20	23
		SUCTION PRESSURE (PSIG)	130	133	135	138	140	142	145
		SUCTION TEMPERATURE (°F)	57	57	57	58	59	60	62
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	6.1	6.6	7.4	8.4	9.6	11.0	12.7
		COMPRESSOR CURRENT (A)	5.4	5.9	6.7	7.7	8.9	10.3	12.0
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	24	23	23	22	
	1000	LIQUID PRESSURE (PSIG)	217	250	290	337	389	458	535
		LIQUID TEMPERATURE (°F)	64	72	81	90	100	108	117
		LIQUID SUBCOOLING (°F)	11	12	13	14	15	19	22
		SUCTION PRESSURE (PSIG)	135	138	140	143	145	147	150
		SUCTION TEMPERATURE (°F)	59	59	59	60	61	62	64
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	6.1	6.6	7.4	8.4	9.6	11.0	12.7
		COMPRESSOR CURRENT (A)	5.4	5.9	6.7	7.7	8.9	10.3	12.0
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	21	20	
	1200	LIQUID PRESSURE (PSIG)	217	250	290	337	389	458	535
		LIQUID TEMPERATURE (°F)	65	73	82	91	101	109	118
		LIQUID SUBCOOLING (°F)	10	11	12	13	14	18	21
		SUCTION PRESSURE (PSIG)	140	143	145	148	150	152	155
		SUCTION TEMPERATURE (°F)	61	61	61	62	63	64	66
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	6.1	6.6	7.4	8.4	9.6	11.0	12.7
		COMPRESSOR CURRENT (A)	5.4	5.9	6.7	7.7	8.9	10.3	12.0
	INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	19	18	
	80/72	800	LIQUID PRESSURE (PSIG)	219	253	293	339	392	458
LIQUID TEMPERATURE (°F)			64	73	83	92	101	110	119
LIQUID SUBCOOLING (°F)			11	12	12	13	14	17	20
SUCTION PRESSURE (PSIG)			141	144	147	150	153	156	158
SUCTION TEMPERATURE (°F)			63	63	63	64	64	65	67
SUCTION SUPERHEAT (°F)			14	12	11	11	10	10	11
OUTDOOR UNIT CURRENT (A)			6.2	6.7	7.5	8.5	9.6	10.9	12.5
COMPRESSOR CURRENT (A)			5.5	6.0	6.8	7.8	8.9	10.3	11.8
INDOOR COIL DB TEMP DROP (°F)		20	20	20	19	19	18	17	
1000		LIQUID PRESSURE (PSIG)	220	254	294	340	393	459	534
		LIQUID TEMPERATURE (°F)	65	73	83	92	102	110	119
		LIQUID SUBCOOLING (°F)	11	12	12	13	14	17	20
		SUCTION PRESSURE (PSIG)	145	148	151	154	157	160	162
		SUCTION TEMPERATURE (°F)	65	64	64	65	65	67	68
		SUCTION SUPERHEAT (°F)	14	12	11	11	10	10	11
		OUTDOOR UNIT CURRENT (A)	6.2	6.7	7.5	8.5	9.6	10.9	12.5
		COMPRESSOR CURRENT (A)	5.5	6.0	6.8	7.8	8.9	10.3	11.8
INDOOR COIL DB TEMP DROP (°F)		18	18	18	17	17	16	15	
1200		LIQUID PRESSURE (PSIG)	221	255	295	341	394	460	535
		LIQUID TEMPERATURE (°F)	65	73	83	92	102	110	119
		LIQUID SUBCOOLING (°F)	11	12	12	13	14	17	20
		SUCTION PRESSURE (PSIG)	149	152	155	158	161	164	166
		SUCTION TEMPERATURE (°F)	67	66	66	67	67	68	70
		SUCTION SUPERHEAT (°F)	14	12	11	11	10	10	11
		OUTDOOR UNIT CURRENT (A)	6.2	6.7	7.5	8.5	9.6	10.9	12.5
		COMPRESSOR CURRENT (A)	5.5	6.0	6.8	7.8	8.9	10.3	11.8
INDOOR COIL DB TEMP DROP (°F)		16	16	16	15	15	14	13	

FOR USE WITH MODELS WITH TXV:

YCD36B21(S,H)

TC3B3621(S,H)

RAC13L36B21S

QC3B36B21S

YCD36B21(S,H) SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	205(8)	208(8)	211(9)	216(11)
60	221(9)	225(9)	228(9)	232(10)
65	239(10)	243(10)	245(9)	250(9)
70	258(10)	262(10)	264(9)	269(9)
75	279(11)	283(11)	285(9)	290(9)
80	301(12)	305(12)	307(10)	311(9)
85	324(12)	329(12)	330(10)	334(9)
90	349(13)	353(13)	355(11)	359(9)
95	376(14)	380(14)	381(12)	385(10)
100	403(14)	407(14)	409(13)	412(11)
105	433(15)	436(15)	438(14)	440(12)
110	464(16)	466(15)	469(15)	470(13)
115	496(16)	497(16)	501(16)	500(15)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCD36B21(S,H) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1000	LIQUID PRESSURE (PSIG)	208	242	281	327	379	438	503
		LIQUID TEMPERATURE (°F)	63	71	80	88	98	107	116
		LIQUID SUBCOOLING (°F)	9	11	12	14	15	17	18
		SUCTION PRESSURE (PSIG)	111	115	118	122	126	130	134
		SUCTION TEMPERATURE (°F)	53	53	53	54	54	57	59
		SUCTION SUPERHEAT (°F)	16	14	13	12	11	12	12
		OUTDOOR UNIT CURRENT (A)	7.9	8.8	9.8	10.7	11.6	12.5	13.4
		COMPRESSOR CURRENT (A)	6.8	7.8	8.8	9.7	10.6	11.5	12.4
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20	
	1200	LIQUID PRESSURE (PSIG)	208	242	281	327	379	438	503
		LIQUID TEMPERATURE (°F)	64	72	81	89	99	108	117
		LIQUID SUBCOOLING (°F)	8	10	11	13	14	16	17
		SUCTION PRESSURE (PSIG)	115	119	122	126	130	134	138
		SUCTION TEMPERATURE (°F)	55	54	55	55	56	59	60
		SUCTION SUPERHEAT (°F)	16	14	13	12	11	12	12
		OUTDOOR UNIT CURRENT (A)	8.0	8.9	9.9	10.8	11.7	12.6	13.5
		COMPRESSOR CURRENT (A)	6.9	7.9	8.9	9.8	10.7	11.6	12.5
	INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	18	
	1400	LIQUID PRESSURE (PSIG)	208	242	281	327	379	438	503
		LIQUID TEMPERATURE (°F)	65	73	82	90	100	109	118
		LIQUID SUBCOOLING (°F)	7	9	10	12	13	15	16
		SUCTION PRESSURE (PSIG)	119	123	126	130	134	138	142
		SUCTION TEMPERATURE (°F)	56	56	56	57	58	60	62
		SUCTION SUPERHEAT (°F)	16	14	13	12	11	12	12
OUTDOOR UNIT CURRENT (A)		8.1	9.0	10.0	10.9	11.8	12.7	13.6	
COMPRESSOR CURRENT (A)		7.0	8.0	9.0	9.9	10.8	11.7	12.6	
INDOOR COIL DB TEMP DROP (°F)	21	20	19	19	18	17	16		

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## YCD36B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1000	LIQUID PRESSURE (PSIG)	205	239	279	324	376	433	496
		LIQUID TEMPERATURE (°F)	62	70	79	89	97	107	116
		LIQUID SUBCOOLING (°F)	9	11	12	13	15	16	17
		SUCTION PRESSURE (PSIG)	103	107	111	116	121	127	133
		SUCTION TEMPERATURE (°F)	48	49	50	51	53	56	58
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	7.7	8.7	9.7	10.6	11.5	12.4	13.3
		COMPRESSOR CURRENT (A)	6.7	7.7	8.6	9.6	10.5	11.4	12.3
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	27	26	24	
	1200	LIQUID PRESSURE (PSIG)	205	239	279	324	376	433	496
		LIQUID TEMPERATURE (°F)	63	71	80	90	98	108	117
		LIQUID SUBCOOLING (°F)	8	10	11	12	14	15	16
		SUCTION PRESSURE (PSIG)	109	113	117	122	127	133	139
		SUCTION TEMPERATURE (°F)	51	52	52	54	56	58	61
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	7.8	8.8	9.8	10.7	11.6	12.5	13.4
		COMPRESSOR CURRENT (A)	6.8	7.8	8.7	9.7	10.6	11.5	12.4
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	24	23	21	
	1400	LIQUID PRESSURE (PSIG)	205	239	279	324	376	433	496
		LIQUID TEMPERATURE (°F)	64	72	81	91	99	109	118
		LIQUID SUBCOOLING (°F)	7	9	10	11	13	14	15
		SUCTION PRESSURE (PSIG)	115	119	123	128	133	139	145
		SUCTION TEMPERATURE (°F)	54	54	55	56	58	61	63
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	12
OUTDOOR UNIT CURRENT (A)		7.9	8.9	9.9	10.8	11.7	12.6	13.5	
COMPRESSOR CURRENT (A)		6.9	7.9	8.8	9.8	10.7	11.6	12.5	
INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	21	20	18		
80/62	1000	LIQUID PRESSURE (PSIG)	208	243	283	329	380	436	497
		LIQUID TEMPERATURE (°F)	63	71	80	90	98	107	117
		LIQUID SUBCOOLING (°F)	9	11	12	13	15	16	17
		SUCTION PRESSURE (PSIG)	113	116	119	123	127	132	136
		SUCTION TEMPERATURE (°F)	56	54	53	54	55	57	59
		SUCTION SUPERHEAT (°F)	18	15	13	12	11	11	12
		OUTDOOR UNIT CURRENT (A)	7.7	8.7	9.7	10.7	11.6	12.5	13.4
		COMPRESSOR CURRENT (A)	6.7	7.7	8.7	9.7	10.6	11.6	12.4
	INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	24	23	
	1200	LIQUID PRESSURE (PSIG)	208	243	283	329	380	436	497
		LIQUID TEMPERATURE (°F)	64	72	81	91	99	108	118
		LIQUID SUBCOOLING (°F)	8	10	11	12	14	15	16
		SUCTION PRESSURE (PSIG)	117	120	123	127	131	136	140
		SUCTION TEMPERATURE (°F)	57	56	55	56	56	58	61
		SUCTION SUPERHEAT (°F)	18	15	13	12	11	11	12
		OUTDOOR UNIT CURRENT (A)	7.8	8.8	9.8	10.8	11.7	12.6	13.5
		COMPRESSOR CURRENT (A)	6.8	7.8	8.8	9.8	10.7	11.7	12.5
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	22	21	
	1400	LIQUID PRESSURE (PSIG)	208	243	283	329	380	436	497
		LIQUID TEMPERATURE (°F)	65	73	82	92	100	109	119
		LIQUID SUBCOOLING (°F)	7	9	10	11	13	14	15
		SUCTION PRESSURE (PSIG)	121	124	127	131	135	140	144
		SUCTION TEMPERATURE (°F)	59	58	57	57	58	60	63
		SUCTION SUPERHEAT (°F)	18	15	13	12	11	11	12
OUTDOOR UNIT CURRENT (A)		7.9	8.9	9.9	10.9	11.8	12.7	13.6	
COMPRESSOR CURRENT (A)		6.9	7.9	8.9	9.9	10.8	11.8	12.6	
INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	19		

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## YCD36B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1000	LIQUID PRESSURE (PSIG)	211	245	285	330	381	438	501
		LIQUID TEMPERATURE (°F)	64	74	84	93	101	110	118
		LIQUID SUBCOOLING (°F)	9	9	9	10	12	14	16
		SUCTION PRESSURE (PSIG)	118	125	130	135	138	141	144
		SUCTION TEMPERATURE (°F)	61	59	58	58	59	60	63
		SUCTION SUPERHEAT (°F)	21	16	13	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	7.8	8.9	10.0	11.0	11.9	12.9	13.8
		COMPRESSOR CURRENT (A)	6.8	7.9	8.9	10.0	10.9	11.9	12.8
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	23	22	21	20	
	1200	LIQUID PRESSURE (PSIG)	211	245	285	330	381	438	501
		LIQUID TEMPERATURE (°F)	64	74	84	93	101	110	118
		LIQUID SUBCOOLING (°F)	9	9	9	10	12	14	16
		SUCTION PRESSURE (PSIG)	122	129	134	139	142	145	148
		SUCTION TEMPERATURE (°F)	64	62	61	61	62	63	65
		SUCTION SUPERHEAT (°F)	22	17	14	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	7.9	9.0	10.1	11.1	12.0	13.0	13.9
		COMPRESSOR CURRENT (A)	6.9	8.0	9.0	10.1	11.0	12.0	12.9
	INDOOR COIL DB TEMP DROP (°F)	22	21	21	21	20	19	18	
	1400	LIQUID PRESSURE (PSIG)	211	245	285	330	381	438	501
		LIQUID TEMPERATURE (°F)	65	75	85	94	102	111	119
		LIQUID SUBCOOLING (°F)	8	8	8	9	11	13	15
		SUCTION PRESSURE (PSIG)	126	133	138	143	146	149	152
		SUCTION TEMPERATURE (°F)	66	64	63	63	64	66	68
		SUCTION SUPERHEAT (°F)	23	18	15	13	13	13	14
OUTDOOR UNIT CURRENT (A)		8.0	9.1	10.2	11.2	12.1	13.1	14.0	
COMPRESSOR CURRENT (A)		7.0	8.1	9.1	10.2	11.1	12.1	13.0	
INDOOR COIL DB TEMP DROP (°F)	20	19	19	19	18	17	16		
80/72	1000	LIQUID PRESSURE (PSIG)	215	249	289	333	384	439	499
		LIQUID TEMPERATURE (°F)	63	75	85	94	104	112	119
		LIQUID SUBCOOLING (°F)	11	9	9	9	10	12	15
		SUCTION PRESSURE (PSIG)	125	133	140	146	151	155	158
		SUCTION TEMPERATURE (°F)	67	65	64	64	65	67	69
		SUCTION SUPERHEAT (°F)	24	19	15	13	12	12	13
		OUTDOOR UNIT CURRENT (A)	7.9	9.0	10.0	11.1	12.2	13.3	14.4
		COMPRESSOR CURRENT (A)	6.9	7.9	9.0	10.1	11.2	12.3	13.4
	INDOOR COIL DB TEMP DROP (°F)	19	19	19	18	18	17	16	
	1200	LIQUID PRESSURE (PSIG)	216	250	290	334	385	440	500
		LIQUID TEMPERATURE (°F)	64	75	85	95	104	112	119
		LIQUID SUBCOOLING (°F)	11	9	9	9	10	12	15
		SUCTION PRESSURE (PSIG)	128	136	143	149	154	158	161
		SUCTION TEMPERATURE (°F)	69	67	66	67	67	69	71
		SUCTION SUPERHEAT (°F)	25	20	16	14	13	13	14
		OUTDOOR UNIT CURRENT (A)	7.9	9.0	10.0	11.1	12.2	13.3	14.4
		COMPRESSOR CURRENT (A)	6.9	7.9	9.0	10.1	11.2	12.3	13.4
	INDOOR COIL DB TEMP DROP (°F)	17	17	17	16	16	15	14	
	1400	LIQUID PRESSURE (PSIG)	217	251	291	335	386	441	501
		LIQUID TEMPERATURE (°F)	64	75	85	95	104	112	119
		LIQUID SUBCOOLING (°F)	11	9	9	9	10	12	15
		SUCTION PRESSURE (PSIG)	131	139	146	152	157	161	164
		SUCTION TEMPERATURE (°F)	71	70	68	69	69	71	73
		SUCTION SUPERHEAT (°F)	26	21	17	15	14	14	15
OUTDOOR UNIT CURRENT (A)		7.9	9.0	10.0	11.1	12.2	13.3	14.4	
COMPRESSOR CURRENT (A)		6.9	7.9	9.0	10.1	11.2	12.3	13.4	
INDOOR COIL DB TEMP DROP (°F)	15	15	15	14	14	13	12		

FOR USE WITH MODELS WITH TXV:

YCD36B22S

TC3B3622S

RAC13L36B22S

QC3B36B22S

YCD36B22S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	207(6)	210(8)	213(8)	216(9)
60	221(7)	225(8)	227(8)	231(9)
65	238(8)	242(9)	244(9)	248(9)
70	256(9)	261(10)	263(9)	266(9)
75	277(10)	282(11)	284(10)	287(10)
80	300(11)	305(12)	307(11)	310(10)
85	325(12)	330(13)	332(12)	335(11)
90	353(13)	358(14)	359(13)	362(12)
95	383(15)	387(15)	388(14)	390(13)
100	417(16)	420(16)	422(15)	423(14)
105	456(17)	459(17)	460(17)	460(16)
110	497(19)	499(20)	501(19)	500(18)
115	541(22)	542(22)	544(22)	541(21)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCD36B22S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1000	LIQUID PRESSURE (PSIG)	210	240	280	328	387	460	542
		LIQUID TEMPERATURE (°F)	64	71	79	88	97	108	117
		LIQUID SUBCOOLING (°F)	9	10	12	14	17	19	23
		SUCTION PRESSURE (PSIG)	119	121	122	125	127	130	133
		SUCTION TEMPERATURE (°F)	51	51	52	52	52	53	54
		SUCTION SUPERHEAT (°F)	11	10	10	9	8	8	8
		OUTDOOR UNIT CURRENT (A)	7.5	8.1	9.0	10.3	11.9	14.0	16.4
		COMPRESSOR CURRENT (A)	6.4	7.0	7.9	9.2	10.9	12.9	15.3
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	24	24	24	24	
	1200	LIQUID PRESSURE (PSIG)	210	240	280	328	387	460	542
		LIQUID TEMPERATURE (°F)	65	72	80	89	98	109	118
		LIQUID SUBCOOLING (°F)	8	9	11	13	16	18	22
		SUCTION PRESSURE (PSIG)	122	124	125	128	130	133	136
		SUCTION TEMPERATURE (°F)	53	53	53	53	53	54	55
		SUCTION SUPERHEAT (°F)	11	10	10	9	8	8	8
		OUTDOOR UNIT CURRENT (A)	7.5	8.1	9.0	10.3	11.9	14.0	16.4
		COMPRESSOR CURRENT (A)	6.4	7.0	7.9	9.2	10.9	12.9	15.3
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	22	22	22	
	1400	LIQUID PRESSURE (PSIG)	210	240	280	328	387	460	542
		LIQUID TEMPERATURE (°F)	66	73	81	90	99	110	119
		LIQUID SUBCOOLING (°F)	7	8	10	12	15	17	21
		SUCTION PRESSURE (PSIG)	125	127	128	131	133	136	139
		SUCTION TEMPERATURE (°F)	54	54	54	54	54	55	57
		SUCTION SUPERHEAT (°F)	11	10	10	9	8	8	8
OUTDOOR UNIT CURRENT (A)		7.5	8.1	9.0	10.3	11.9	14.0	16.4	
COMPRESSOR CURRENT (A)		6.4	7.0	7.9	9.2	10.9	12.9	15.3	
INDOOR COIL DB TEMP DROP (°F)	21	20	20	20	20	20	20		

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## YCD36B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1000	LIQUID PRESSURE (PSIG)	204	238	277	325	383	456	541
		LIQUID TEMPERATURE (°F)	64	72	80	89	98	109	117
		LIQUID SUBCOOLING (°F)	7	9	11	13	16	18	23
		SUCTION PRESSURE (PSIG)	111	114	116	119	123	126	131
		SUCTION TEMPERATURE (°F)	47	48	48	49	51	51	53
		SUCTION SUPERHEAT (°F)	10	10	9	9	9	8	8
		OUTDOOR UNIT CURRENT (A)	7.5	8.1	9.0	10.2	11.8	13.8	16.1
		COMPRESSOR CURRENT (A)	6.4	7.0	7.9	9.1	10.8	12.7	15.0
	INDOOR COIL DB TEMP DROP (°F)	32	31	31	30	29	28	27	
	1200	LIQUID PRESSURE (PSIG)	204	238	277	325	383	456	541
		LIQUID TEMPERATURE (°F)	65	73	81	90	99	110	118
		LIQUID SUBCOOLING (°F)	6	8	10	12	15	17	22
		SUCTION PRESSURE (PSIG)	117	120	122	125	129	132	137
		SUCTION TEMPERATURE (°F)	49	51	51	52	54	54	56
		SUCTION SUPERHEAT (°F)	10	10	9	9	9	8	8
		OUTDOOR UNIT CURRENT (A)	7.5	8.1	9.0	10.2	11.8	13.8	16.1
		COMPRESSOR CURRENT (A)	6.4	7.0	7.9	9.1	10.8	12.7	15.0
	INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	25	24	
	1400	LIQUID PRESSURE (PSIG)	204	238	277	325	383	456	541
		LIQUID TEMPERATURE (°F)	66	74	82	91	100	111	119
		LIQUID SUBCOOLING (°F)	5	7	9	11	14	16	21
		SUCTION PRESSURE (PSIG)	123	126	128	131	135	138	143
		SUCTION TEMPERATURE (°F)	52	53	53	54	56	56	58
		SUCTION SUPERHEAT (°F)	10	10	9	9	9	8	8
OUTDOOR UNIT CURRENT (A)		7.5	8.1	9.0	10.2	11.8	13.8	16.1	
COMPRESSOR CURRENT (A)		6.4	7.0	7.9	9.1	10.8	12.7	15.0	
INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	22	21		
80/62	1000	LIQUID PRESSURE (PSIG)	211	243	283	331	388	460	543
		LIQUID TEMPERATURE (°F)	64	72	80	89	99	109	118
		LIQUID SUBCOOLING (°F)	9	10	12	14	16	18	23
		SUCTION PRESSURE (PSIG)	119	120	122	125	127	130	134
		SUCTION TEMPERATURE (°F)	51	51	51	51	52	53	55
		SUCTION SUPERHEAT (°F)	11	10	9	8	8	8	8
		OUTDOOR UNIT CURRENT (A)	7.6	8.2	9.1	10.4	12.0	13.9	16.2
		COMPRESSOR CURRENT (A)	6.4	7.1	8.0	9.3	10.9	12.9	15.2
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	28	27	26	25	
	1200	LIQUID PRESSURE (PSIG)	210	242	282	330	387	459	542
		LIQUID TEMPERATURE (°F)	65	73	81	90	99	110	118
		LIQUID SUBCOOLING (°F)	8	9	11	13	15	17	22
		SUCTION PRESSURE (PSIG)	123	124	126	129	131	134	138
		SUCTION TEMPERATURE (°F)	53	53	52	53	53	55	56
		SUCTION SUPERHEAT (°F)	11	10	9	8	8	8	8
		OUTDOOR UNIT CURRENT (A)	7.6	8.2	9.1	10.4	12.0	13.9	16.2
		COMPRESSOR CURRENT (A)	6.4	7.1	8.0	9.3	10.9	12.9	15.2
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	25	24	23	
	1400	LIQUID PRESSURE (PSIG)	209	241	281	329	386	458	541
		LIQUID TEMPERATURE (°F)	66	74	82	91	100	111	119
		LIQUID SUBCOOLING (°F)	7	8	10	12	14	16	21
		SUCTION PRESSURE (PSIG)	127	128	130	133	135	138	142
		SUCTION TEMPERATURE (°F)	55	54	54	54	55	56	58
		SUCTION SUPERHEAT (°F)	11	10	9	8	8	8	8
OUTDOOR UNIT CURRENT (A)		7.6	8.2	9.1	10.4	12.0	13.9	16.2	
COMPRESSOR CURRENT (A)		6.4	7.1	8.0	9.3	10.9	12.9	15.2	
INDOOR COIL DB TEMP DROP (°F)	25	25	24	24	23	22	21		

Continued on next page.

## YCD36B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1000	LIQUID PRESSURE (PSIG)	213	244	284	332	388	460	544
		LIQUID TEMPERATURE (°F)	65	72	81	90	100	109	118
		LIQUID SUBCOOLING (°F)	9	10	11	13	15	18	23
		SUCTION PRESSURE (PSIG)	129	132	134	136	139	141	144
		SUCTION TEMPERATURE (°F)	58	57	57	56	58	57	60
		SUCTION SUPERHEAT (°F)	13	11	10	9	9	8	9
		OUTDOOR UNIT CURRENT (A)	7.6	8.2	9.1	10.3	11.9	13.8	16.0
		COMPRESSOR CURRENT (A)	6.5	7.1	8.0	9.3	10.8	12.7	15.0
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	24	23	23	22	
	1200	LIQUID PRESSURE (PSIG)	213	244	284	332	388	460	544
		LIQUID TEMPERATURE (°F)	66	73	82	91	101	110	119
		LIQUID SUBCOOLING (°F)	8	9	10	12	14	17	22
		SUCTION PRESSURE (PSIG)	132	135	137	139	142	144	147
		SUCTION TEMPERATURE (°F)	59	58	58	58	59	59	61
		SUCTION SUPERHEAT (°F)	13	11	10	9	9	8	9
		OUTDOOR UNIT CURRENT (A)	7.6	8.2	9.1	10.3	11.9	13.8	16.0
		COMPRESSOR CURRENT (A)	6.5	7.1	8.0	9.3	10.8	12.7	15.0
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	21	21	20	
	1400	LIQUID PRESSURE (PSIG)	213	244	284	332	388	460	544
		LIQUID TEMPERATURE (°F)	67	74	83	92	101	111	120
		LIQUID SUBCOOLING (°F)	7	8	9	11	14	16	21
		SUCTION PRESSURE (PSIG)	135	138	140	142	145	147	150
		SUCTION TEMPERATURE (°F)	60	59	59	59	60	60	62
		SUCTION SUPERHEAT (°F)	13	11	10	9	9	8	9
OUTDOOR UNIT CURRENT (A)		7.6	8.2	9.1	10.3	11.9	13.8	16.0	
COMPRESSOR CURRENT (A)		6.5	7.1	8.0	9.3	10.8	12.7	15.0	
INDOOR COIL DB TEMP DROP (°F)	21	20	20	20	19	19	18		
80/72	1000	LIQUID PRESSURE (PSIG)	216	248	287	335	390	460	541
		LIQUID TEMPERATURE (°F)	66	74	83	93	102	111	119
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	16	21
		SUCTION PRESSURE (PSIG)	138	142	145	148	151	154	156
		SUCTION TEMPERATURE (°F)	63	63	62	61	61	62	63
		SUCTION SUPERHEAT (°F)	15	13	11	9	8	8	8
		OUTDOOR UNIT CURRENT (A)	7.7	8.3	9.2	10.4	11.9	13.7	15.7
		COMPRESSOR CURRENT (A)	6.5	7.2	8.1	9.3	10.8	12.6	14.7
	INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	18	17	
	1200	LIQUID PRESSURE (PSIG)	216	248	287	335	390	460	541
		LIQUID TEMPERATURE (°F)	66	74	83	93	102	111	119
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	16	21
		SUCTION PRESSURE (PSIG)	141	145	148	151	154	157	159
		SUCTION TEMPERATURE (°F)	65	65	64	63	63	64	65
		SUCTION SUPERHEAT (°F)	16	14	12	10	9	9	9
		OUTDOOR UNIT CURRENT (A)	7.7	8.3	9.2	10.4	11.9	13.7	15.7
		COMPRESSOR CURRENT (A)	6.5	7.2	8.1	9.3	10.8	12.6	14.7
	INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	16	16	15	
	1400	LIQUID PRESSURE (PSIG)	216	248	287	335	390	460	541
		LIQUID TEMPERATURE (°F)	66	74	83	93	102	111	119
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	16	21
		SUCTION PRESSURE (PSIG)	144	148	151	154	157	160	162
		SUCTION TEMPERATURE (°F)	68	67	66	65	65	67	67
		SUCTION SUPERHEAT (°F)	17	15	13	11	10	10	10
OUTDOOR UNIT CURRENT (A)		7.7	8.3	9.2	10.4	11.9	13.7	15.7	
COMPRESSOR CURRENT (A)		6.5	7.2	8.1	9.3	10.8	12.6	14.7	
INDOOR COIL DB TEMP DROP (°F)	16	16	15	15	14	14	13		



FOR USE WITH MODELS WITH TXV:

- YCD36B23S
- TC3B3623S
- RAC1336B24S
- QC3B36B23S

YCD36B23S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	200(6)	202(7)	206(10)	210(12)
60	215(7)	217(7)	220(9)	225(11)
65	233(7)	234(8)	237(9)	241(10)
70	252(8)	252(9)	255(8)	260(9)
75	272(9)	273(9)	276(9)	280(9)
80	295(10)	295(10)	300(9)	303(9)
85	319(10)	319(11)	324(9)	327(9)
90	345(11)	345(12)	349(10)	353(9)
95	373(12)	373(12)	377(11)	380(10)
100	402(13)	403(13)	408(12)	410(11)
105	433(14)	434(14)	440(14)	441(12)
110	466(15)	467(15)	475(15)	475(14)
115	501(15)	502(16)	511(17)	510(15)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

YCD36B23S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1000	LIQUID PRESSURE (PSIG)	203	234	274	322	377	441	502
		LIQUID TEMPERATURE (°F)	64	72	80	89	99	109	116
		LIQUID SUBCOOLING (°F)	7	8	10	12	13	15	18
		SUCTION PRESSURE (PSIG)	115	118	120	123	125	128	131
		SUCTION TEMPERATURE (°F)	52	51	50	50	50	51	53
		SUCTION SUPERHEAT (°F)	13	11	9	8	7	7	8
		OUTDOOR UNIT CURRENT (A)	7.1	7.9	9.0	10.2	11.7	13.4	15.3
		COMPRESSOR CURRENT (A)	6.0	6.8	7.9	9.2	10.7	12.4	14.3
		INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	23	22	22
	1200	LIQUID PRESSURE (PSIG)	203	234	274	322	377	441	502
		LIQUID TEMPERATURE (°F)	64	72	80	89	99	109	116
		LIQUID SUBCOOLING (°F)	7	8	10	12	13	15	18
		SUCTION PRESSURE (PSIG)	118	121	123	126	128	131	134
		SUCTION TEMPERATURE (°F)	54	53	52	52	52	53	56
		SUCTION SUPERHEAT (°F)	14	12	10	9	8	8	9
		OUTDOOR UNIT CURRENT (A)	7.1	7.9	9.0	10.2	11.7	13.4	15.3
		COMPRESSOR CURRENT (A)	6.0	6.8	7.9	9.2	10.7	12.4	14.3
		INDOOR COIL DB TEMP DROP (°F)	22	22	22	21	21	20	20
	1400	LIQUID PRESSURE (PSIG)	203	234	274	322	377	441	502
		LIQUID TEMPERATURE (°F)	64	72	80	89	99	109	116
		LIQUID SUBCOOLING (°F)	7	8	10	12	13	15	18
		SUCTION PRESSURE (PSIG)	121	124	126	129	131	134	137
		SUCTION TEMPERATURE (°F)	56	56	54	55	54	56	58
		SUCTION SUPERHEAT (°F)	15	13	11	10	9	9	10
OUTDOOR UNIT CURRENT (A)		7.1	7.9	9.0	10.2	11.7	13.4	15.3	
COMPRESSOR CURRENT (A)		6.0	6.8	7.9	9.2	10.7	12.4	14.3	
INDOOR COIL DB TEMP DROP (°F)		20	20	20	19	19	18	18	

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## YCD36B23S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1000	LIQUID PRESSURE (PSIG)	200	233	272	319	373	433	501
		LIQUID TEMPERATURE (°F)	63	71	80	89	99	108	118
		LIQUID SUBCOOLING (°F)	7	8	10	11	13	15	16
		SUCTION PRESSURE (PSIG)	106	109	113	116	120	124	129
		SUCTION TEMPERATURE (°F)	48	49	49	49	50	52	54
		SUCTION SUPERHEAT (°F)	14	13	11	10	9	9	9
		OUTDOOR UNIT CURRENT (A)	7.1	7.9	9.0	10.2	11.6	13.2	15.0
		COMPRESSOR CURRENT (A)	6.0	6.8	7.9	9.1	10.5	12.2	14.0
	INDOOR COIL DB TEMP DROP (°F)	31	31	30	29	28	27	26	
	1200	LIQUID PRESSURE (PSIG)	200	233	272	319	373	433	501
		LIQUID TEMPERATURE (°F)	64	72	81	90	100	109	119
		LIQUID SUBCOOLING (°F)	6	7	9	10	12	14	15
		SUCTION PRESSURE (PSIG)	112	115	119	122	126	130	135
		SUCTION TEMPERATURE (°F)	51	52	51	52	52	54	56
		SUCTION SUPERHEAT (°F)	14	13	11	10	9	9	9
		OUTDOOR UNIT CURRENT (A)	7.1	7.9	9.0	10.2	11.6	13.2	15.0
		COMPRESSOR CURRENT (A)	6.0	6.8	7.9	9.1	10.5	12.2	14.0
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	26	25	24	23	
	1400	LIQUID PRESSURE (PSIG)	200	233	272	319	373	433	501
		LIQUID TEMPERATURE (°F)	65	73	82	91	101	110	120
		LIQUID SUBCOOLING (°F)	5	6	8	9	11	13	14
		SUCTION PRESSURE (PSIG)	118	121	125	128	132	136	141
		SUCTION TEMPERATURE (°F)	54	54	54	54	55	56	58
		SUCTION SUPERHEAT (°F)	14	13	11	10	9	9	9
OUTDOOR UNIT CURRENT (A)		7.1	7.9	9.0	10.2	11.6	13.2	15.0	
COMPRESSOR CURRENT (A)		6.0	6.8	7.9	9.1	10.5	12.2	14.0	
INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	21	20		
80/62	1000	LIQUID PRESSURE (PSIG)	203	235	274	320	374	435	503
		LIQUID TEMPERATURE (°F)	64	72	81	90	100	109	118
		LIQUID SUBCOOLING (°F)	7	8	9	11	12	14	16
		SUCTION PRESSURE (PSIG)	114	117	119	122	125	128	132
		SUCTION TEMPERATURE (°F)	52	51	50	50	51	52	54
		SUCTION SUPERHEAT (°F)	14	12	10	8	8	8	8
		OUTDOOR UNIT CURRENT (A)	7.0	7.9	8.9	10.2	11.6	13.2	15.0
		COMPRESSOR CURRENT (A)	5.9	6.8	7.9	9.1	10.6	12.2	14.0
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	27	26	26	25	
	1200	LIQUID PRESSURE (PSIG)	202	234	273	319	373	434	502
		LIQUID TEMPERATURE (°F)	63	72	81	89	100	109	118
		LIQUID SUBCOOLING (°F)	7	8	9	11	12	14	16
		SUCTION PRESSURE (PSIG)	118	121	123	126	129	132	136
		SUCTION TEMPERATURE (°F)	55	54	53	52	54	55	56
		SUCTION SUPERHEAT (°F)	15	13	11	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	7.0	7.9	8.9	10.2	11.6	13.2	15.0
		COMPRESSOR CURRENT (A)	5.9	6.8	7.9	9.1	10.6	12.2	14.0
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	24	24	23	
	1400	LIQUID PRESSURE (PSIG)	201	233	272	318	372	433	501
		LIQUID TEMPERATURE (°F)	63	71	81	89	99	109	118
		LIQUID SUBCOOLING (°F)	7	8	9	11	12	14	16
		SUCTION PRESSURE (PSIG)	122	125	127	130	133	136	140
		SUCTION TEMPERATURE (°F)	58	57	56	55	56	57	59
		SUCTION SUPERHEAT (°F)	16	14	12	10	10	10	10
OUTDOOR UNIT CURRENT (A)		7.0	7.9	8.9	10.2	11.6	13.2	15.0	
COMPRESSOR CURRENT (A)		5.9	6.8	7.9	9.1	10.6	12.2	14.0	
INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	22	22	21		

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## YCD36B23S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1000	LIQUID PRESSURE (PSIG)	206	237	276	322	377	440	511
		LIQUID TEMPERATURE (°F)	62	71	82	92	101	110	119
		LIQUID SUBCOOLING (°F)	10	9	9	9	11	14	17
		SUCTION PRESSURE (PSIG)	121	126	131	134	137	140	141
		SUCTION TEMPERATURE (°F)	62	58	56	55	54	56	57
		SUCTION SUPERHEAT (°F)	21	15	11	8	6	7	8
		OUTDOOR UNIT CURRENT (A)	7.1	7.9	8.9	10.2	11.6	13.3	15.2
		COMPRESSOR CURRENT (A)	6.0	6.8	7.9	9.1	10.6	12.3	14.2
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	23	22	21	
	1200	LIQUID PRESSURE (PSIG)	206	237	276	322	377	440	511
		LIQUID TEMPERATURE (°F)	62	71	82	92	101	110	119
		LIQUID SUBCOOLING (°F)	10	9	9	9	11	14	17
		SUCTION PRESSURE (PSIG)	124	129	134	137	140	143	144
		SUCTION TEMPERATURE (°F)	65	61	59	57	56	58	60
		SUCTION SUPERHEAT (°F)	22	16	12	9	7	8	9
		OUTDOOR UNIT CURRENT (A)	7.1	7.9	8.9	10.2	11.6	13.3	15.2
		COMPRESSOR CURRENT (A)	6.0	6.8	7.9	9.1	10.6	12.3	14.2
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	21	20	19	
	1400	LIQUID PRESSURE (PSIG)	206	237	276	322	377	440	511
		LIQUID TEMPERATURE (°F)	62	71	82	92	101	110	119
		LIQUID SUBCOOLING (°F)	10	9	9	9	11	14	17
		SUCTION PRESSURE (PSIG)	127	132	137	140	143	146	147
		SUCTION TEMPERATURE (°F)	67	63	61	59	58	60	62
		SUCTION SUPERHEAT (°F)	23	17	13	10	8	9	10
OUTDOOR UNIT CURRENT (A)		7.1	7.9	8.9	10.2	11.6	13.3	15.2	
COMPRESSOR CURRENT (A)		6.0	6.8	7.9	9.1	10.6	12.3	14.2	
INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	19	18	17		
80/72	1000	LIQUID PRESSURE (PSIG)	209	240	279	326	379	440	509
		LIQUID TEMPERATURE (°F)	61	71	82	93	103	112	120
		LIQUID SUBCOOLING (°F)	12	10	9	9	10	12	15
		SUCTION PRESSURE (PSIG)	125	134	142	148	152	154	155
		SUCTION TEMPERATURE (°F)	68	65	62	61	61	60	63
		SUCTION SUPERHEAT (°F)	25	18	12	9	7	6	8
		OUTDOOR UNIT CURRENT (A)	7.1	7.9	8.9	10.2	11.6	13.2	15.1
		COMPRESSOR CURRENT (A)	6.0	6.8	7.9	9.1	10.5	12.2	14.0
	INDOOR COIL DB TEMP DROP (°F)	18	19	19	19	19	18	17	
	1200	LIQUID PRESSURE (PSIG)	210	241	280	327	380	441	510
		LIQUID TEMPERATURE (°F)	61	72	82	93	103	112	121
		LIQUID SUBCOOLING (°F)	12	10	9	9	10	12	15
		SUCTION PRESSURE (PSIG)	127	136	144	150	154	156	157
		SUCTION TEMPERATURE (°F)	70	66	64	63	62	62	64
		SUCTION SUPERHEAT (°F)	26	19	13	10	8	7	9
		OUTDOOR UNIT CURRENT (A)	7.1	7.9	8.9	10.2	11.6	13.2	15.1
		COMPRESSOR CURRENT (A)	6.0	6.8	7.9	9.1	10.5	12.2	14.0
	INDOOR COIL DB TEMP DROP (°F)	16	17	17	17	17	16	15	
	1400	LIQUID PRESSURE (PSIG)	211	242	281	328	381	442	511
		LIQUID TEMPERATURE (°F)	61	72	83	93	103	112	121
		LIQUID SUBCOOLING (°F)	12	10	9	9	10	12	15
		SUCTION PRESSURE (PSIG)	129	138	146	152	156	158	159
		SUCTION TEMPERATURE (°F)	72	68	65	65	64	64	66
		SUCTION SUPERHEAT (°F)	27	20	14	11	9	8	10
OUTDOOR UNIT CURRENT (A)		7.1	7.9	8.9	10.2	11.6	13.2	15.1	
COMPRESSOR CURRENT (A)		6.0	6.8	7.9	9.1	10.5	12.2	14.0	
INDOOR COIL DB TEMP DROP (°F)	14	15	15	15	15	14	13		

FOR USE WITH MODELS WITH TXV:

- YCD42B21(S,H)
- TC3B4221(S,H)
- RAC13L42B21S
- QC3B42B21S

YCD42B21(S,H) SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	202(7)	205(7)	209(9)	214(12)
60	217(8)	219(8)	223(9)	228(11)
65	234(10)	236(10)	240(9)	244(10)
70	253(12)	255(11)	258(10)	262(9)
75	274(13)	276(13)	279(10)	283(9)
80	298(14)	300(14)	301(11)	305(9)
85	324(16)	325(15)	326(12)	329(10)
90	351(17)	353(17)	353(13)	355(10)
95	381(18)	383(18)	381(14)	382(11)
100	413(19)	415(18)	412(15)	412(12)
105	448(19)	449(19)	445(16)	444(13)
110	484(20)	485(20)	479(18)	478(15)
115	522(21)	524(21)	516(20)	513(17)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

YCD42B21(S,H) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1200	LIQUID PRESSURE (PSIG)	211	237	274	323	383	455	539
		LIQUID TEMPERATURE (°F)	65	69	77	85	95	106	116
		LIQUID SUBCOOLING (°F)	8	11	13	16	19	21	24
		SUCTION PRESSURE (PSIG)	112	116	120	124	128	132	136
		SUCTION TEMPERATURE (°F)	52	50	49	49	50	52	54
		SUCTION SUPERHEAT (°F)	15	11	8	6	6	6	7
		OUTDOOR UNIT CURRENT (A)	9.6	10.6	11.5	12.5	13.6	14.7	15.8
		COMPRESSOR CURRENT (A)	8.6	9.5	10.6	11.6	12.6	13.7	14.8
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	21	19	
	1400	LIQUID PRESSURE (PSIG)	207	233	270	319	379	451	535
		LIQUID TEMPERATURE (°F)	65	69	77	85	95	106	116
		LIQUID SUBCOOLING (°F)	7	10	12	15	18	20	23
		SUCTION PRESSURE (PSIG)	115	119	123	127	131	135	139
		SUCTION TEMPERATURE (°F)	55	52	51	51	52	54	57
		SUCTION SUPERHEAT (°F)	16	12	9	7	7	7	8
		OUTDOOR UNIT CURRENT (A)	9.6	10.6	11.5	12.5	13.6	14.7	15.8
		COMPRESSOR CURRENT (A)	8.6	9.5	10.6	11.6	12.6	13.7	14.8
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	17	
	1600	LIQUID PRESSURE (PSIG)	203	229	266	315	375	447	531
		LIQUID TEMPERATURE (°F)	65	69	77	86	95	106	117
		LIQUID SUBCOOLING (°F)	6	9	11	14	17	19	22
		SUCTION PRESSURE (PSIG)	118	122	126	130	134	138	142
		SUCTION TEMPERATURE (°F)	57	55	53	53	55	56	59
		SUCTION SUPERHEAT (°F)	17	13	10	8	8	8	9
OUTDOOR UNIT CURRENT (A)		9.6	10.6	11.5	12.5	13.6	14.7	15.8	
COMPRESSOR CURRENT (A)		8.6	9.5	10.6	11.6	12.6	13.7	14.8	
INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	17	15		

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YCD42B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1200	LIQUID PRESSURE (PSIG)	204	236	276	326	383	450	524
		LIQUID TEMPERATURE (°F)	62	68	76	84	94	105	115
		LIQUID SUBCOOLING (°F)	9	12	15	18	20	21	23
		SUCTION PRESSURE (PSIG)	104	108	113	118	124	130	136
		SUCTION TEMPERATURE (°F)	44	44	46	47	49	52	55
		SUCTION SUPERHEAT (°F)	11	9	8	7	6	7	8
		OUTDOOR UNIT CURRENT (A)	9.4	10.4	11.4	12.5	13.5	14.5	15.6
		COMPRESSOR CURRENT (A)	8.4	9.4	10.4	11.5	12.5	13.6	14.6
	INDOOR COIL DB TEMP DROP (°F)	33	31	30	28	27	25	23	
	1400	LIQUID PRESSURE (PSIG)	202	234	274	324	381	448	522
		LIQUID TEMPERATURE (°F)	63	70	77	86	95	106	116
		LIQUID SUBCOOLING (°F)	7	10	13	16	18	19	21
		SUCTION PRESSURE (PSIG)	109	113	118	123	129	135	141
		SUCTION TEMPERATURE (°F)	48	48	49	50	52	55	58
		SUCTION SUPERHEAT (°F)	12	10	9	8	7	8	9
		OUTDOOR UNIT CURRENT (A)	9.5	10.5	11.5	12.6	13.6	14.6	15.7
		COMPRESSOR CURRENT (A)	8.5	9.5	10.5	11.6	12.6	13.7	14.7
	INDOOR COIL DB TEMP DROP (°F)	31	29	28	26	25	23	21	
	1600	LIQUID PRESSURE (PSIG)	200	232	272	322	379	446	520
		LIQUID TEMPERATURE (°F)	65	71	79	87	97	108	118
		LIQUID SUBCOOLING (°F)	5	8	11	14	16	17	19
		SUCTION PRESSURE (PSIG)	114	118	123	128	134	140	146
		SUCTION TEMPERATURE (°F)	51	51	52	53	55	58	61
		SUCTION SUPERHEAT (°F)	13	11	10	9	8	9	10
		OUTDOOR UNIT CURRENT (A)	9.6	10.6	11.6	12.7	13.7	14.7	15.8
		COMPRESSOR CURRENT (A)	8.6	9.6	10.6	11.7	12.7	13.8	14.8
	INDOOR COIL DB TEMP DROP (°F)	29	27	26	24	23	21	19	
	80/62	1200	LIQUID PRESSURE (PSIG)	207	238	278	327	385	451
LIQUID TEMPERATURE (°F)			64	70	77	86	95	106	116
LIQUID SUBCOOLING (°F)			8	11	14	16	19	20	22
SUCTION PRESSURE (PSIG)			113	117	120	125	129	134	139
SUCTION TEMPERATURE (°F)			54	50	49	49	50	53	57
SUCTION SUPERHEAT (°F)			16	11	8	6	5	6	8
OUTDOOR UNIT CURRENT (A)			9.4	10.5	11.5	12.6	13.6	14.7	15.7
COMPRESSOR CURRENT (A)			8.4	9.5	10.5	11.6	12.6	13.7	14.7
INDOOR COIL DB TEMP DROP (°F)		29	28	28	27	26	24	23	
1400		LIQUID PRESSURE (PSIG)	205	236	276	325	383	449	524
		LIQUID TEMPERATURE (°F)	64	70	78	87	96	107	117
		LIQUID SUBCOOLING (°F)	7	10	13	15	18	19	21
		SUCTION PRESSURE (PSIG)	116	120	123	128	132	137	142
		SUCTION TEMPERATURE (°F)	56	53	51	51	52	55	59
		SUCTION SUPERHEAT (°F)	17	12	9	7	6	7	9
		OUTDOOR UNIT CURRENT (A)	9.5	10.6	11.6	12.7	13.7	14.8	15.8
		COMPRESSOR CURRENT (A)	8.5	9.6	10.6	11.7	12.7	13.8	14.8
INDOOR COIL DB TEMP DROP (°F)		27	26	26	25	24	22	21	
1600		LIQUID PRESSURE (PSIG)	203	234	274	323	381	447	522
		LIQUID TEMPERATURE (°F)	65	71	78	87	96	107	117
		LIQUID SUBCOOLING (°F)	6	9	12	14	17	18	20
		SUCTION PRESSURE (PSIG)	119	123	126	131	135	140	145
		SUCTION TEMPERATURE (°F)	58	55	53	53	54	57	61
		SUCTION SUPERHEAT (°F)	18	13	10	8	7	8	10
		OUTDOOR UNIT CURRENT (A)	9.6	10.7	11.7	12.8	13.8	14.9	15.9
		COMPRESSOR CURRENT (A)	8.6	9.7	10.7	11.8	12.8	13.9	14.9
INDOOR COIL DB TEMP DROP (°F)		25	24	24	23	22	20	19	

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## YCD42B21(S,H) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1200	LIQUID PRESSURE (PSIG)	209	240	279	326	381	445	516
		LIQUID TEMPERATURE (°F)	63	71	80	89	98	108	116
		LIQUID SUBCOOLING (°F)	10	10	11	13	15	17	21
		SUCTION PRESSURE (PSIG)	119	126	131	136	141	144	147
		SUCTION TEMPERATURE (°F)	62	58	55	53	54	56	58
		SUCTION SUPERHEAT (°F)	22	15	10	6	5	5	6
		OUTDOOR UNIT CURRENT (A)	9.5	10.6	11.7	12.9	13.9	15.0	16.0
		COMPRESSOR CURRENT (A)	8.4	9.6	10.7	11.9	12.9	14.0	15.0
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	22	21	20	
	1400	LIQUID PRESSURE (PSIG)	209	240	279	326	381	445	516
		LIQUID TEMPERATURE (°F)	64	72	81	90	99	109	117
		LIQUID SUBCOOLING (°F)	9	9	10	12	14	16	20
		SUCTION PRESSURE (PSIG)	122	129	134	139	144	147	150
		SUCTION TEMPERATURE (°F)	65	61	58	56	57	58	60
		SUCTION SUPERHEAT (°F)	23	16	11	7	6	6	7
		OUTDOOR UNIT CURRENT (A)	9.6	10.7	11.8	13.0	14.0	15.1	16.1
		COMPRESSOR CURRENT (A)	8.5	9.7	10.8	12.0	13.0	14.1	15.1
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	21	20	19	18	
	1600	LIQUID PRESSURE (PSIG)	209	240	279	326	381	445	516
		LIQUID TEMPERATURE (°F)	65	73	82	91	100	110	118
		LIQUID SUBCOOLING (°F)	8	8	9	11	13	15	19
		SUCTION PRESSURE (PSIG)	125	132	137	142	147	150	153
		SUCTION TEMPERATURE (°F)	67	63	60	58	59	60	62
		SUCTION SUPERHEAT (°F)	24	17	12	8	7	7	8
		OUTDOOR UNIT CURRENT (A)	9.7	10.8	11.9	13.1	14.1	15.2	16.2
		COMPRESSOR CURRENT (A)	8.6	9.8	10.9	12.1	13.1	14.2	15.2
	INDOOR COIL DB TEMP DROP (°F)	20	20	20	19	18	17	16	
	80/72	1200	LIQUID PRESSURE (PSIG)	214	244	283	329	382	444
LIQUID TEMPERATURE (°F)			62	72	83	93	102	112	119
LIQUID SUBCOOLING (°F)			12	10	9	10	11	13	17
SUCTION PRESSURE (PSIG)			125	134	142	148	154	159	162
SUCTION TEMPERATURE (°F)			69	65	63	61	61	62	64
SUCTION SUPERHEAT (°F)			26	18	13	9	7	6	7
OUTDOOR UNIT CURRENT (A)			9.6	10.8	12.0	13.2	14.3	15.5	16.6
COMPRESSOR CURRENT (A)			8.6	9.8	11.0	12.2	13.4	14.5	15.7
INDOOR COIL DB TEMP DROP (°F)		19	19	18	18	17	16	15	
1400		LIQUID PRESSURE (PSIG)	214	244	283	329	382	444	513
		LIQUID TEMPERATURE (°F)	62	72	83	93	102	112	119
		LIQUID SUBCOOLING (°F)	12	10	9	10	11	13	17
		SUCTION PRESSURE (PSIG)	127	136	144	150	156	161	164
		SUCTION TEMPERATURE (°F)	71	66	65	63	63	64	66
		SUCTION SUPERHEAT (°F)	27	19	14	10	8	7	8
		OUTDOOR UNIT CURRENT (A)	9.6	10.8	12.0	13.2	14.3	15.5	16.6
		COMPRESSOR CURRENT (A)	8.6	9.8	11.0	12.2	13.4	14.5	15.7
INDOOR COIL DB TEMP DROP (°F)		18	18	17	17	16	15	14	
1600		LIQUID PRESSURE (PSIG)	214	244	283	329	382	444	513
		LIQUID TEMPERATURE (°F)	62	72	83	93	102	112	119
		LIQUID SUBCOOLING (°F)	12	10	9	10	11	13	17
		SUCTION PRESSURE (PSIG)	129	138	146	152	158	163	166
		SUCTION TEMPERATURE (°F)	73	68	66	65	65	66	68
		SUCTION SUPERHEAT (°F)	28	20	15	11	9	8	9
		OUTDOOR UNIT CURRENT (A)	9.6	10.8	12.0	13.2	14.3	15.5	16.6
		COMPRESSOR CURRENT (A)	8.6	9.8	11.0	12.2	13.4	14.5	15.7
INDOOR COIL DB TEMP DROP (°F)		17	17	16	16	15	14	13	

FOR USE WITH MODELS WITH TXV:

YCD42B22S

TC3B4222S

RAC13L42B22S

QC3B42B22S

YCD42B22S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	200(9)	203(10)	207(11)	212(13)
60	214(9)	217(10)	221(11)	226(12)
65	231(9)	233(10)	238(11)	242(12)
70	250(10)	252(11)	256(11)	261(11)
75	272(10)	274(11)	278(11)	283(12)
80	296(11)	297(12)	304(12)	306(12)
85	322(12)	324(13)	331(13)	333(13)
90	351(13)	353(14)	357(14)	361(13)
95	382(15)	384(15)	388(15)	392(15)
100	418(16)	420(16)	424(16)	427(16)
105	456(18)	458(18)	463(18)	465(18)
110	499(19)	501(20)	506(20)	507(20)
115	545(21)	548(22)	553(22)	552(22)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCD42B22S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1200	LIQUID PRESSURE (PSIG)	205	234	274	326	389	465	549
		LIQUID TEMPERATURE (°F)	60	69	78	89	99	109	119
		LIQUID SUBCOOLING (°F)	11	11	12	13	16	19	23
		SUCTION PRESSURE (PSIG)	120	122	124	126	129	131	134
		SUCTION TEMPERATURE (°F)	54	54	54	54	57	58	62
		SUCTION SUPERHEAT (°F)	13	12	11	11	12	13	15
		OUTDOOR UNIT CURRENT (A)	9.0	9.7	10.8	12.3	14.3	16.6	19.4
		COMPRESSOR CURRENT (A)	8.0	8.6	9.8	11.3	13.2	15.6	18.4
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	22	22	21	
	1400	LIQUID PRESSURE (PSIG)	204	233	273	325	388	464	548
		LIQUID TEMPERATURE (°F)	60	68	78	89	99	109	118
		LIQUID SUBCOOLING (°F)	11	11	12	13	16	19	23
		SUCTION PRESSURE (PSIG)	123	125	127	129	132	134	137
		SUCTION TEMPERATURE (°F)	55	55	55	56	58	60	63
		SUCTION SUPERHEAT (°F)	13	12	11	11	12	13	15
		OUTDOOR UNIT CURRENT (A)	8.9	9.6	10.7	12.2	14.2	16.5	19.3
		COMPRESSOR CURRENT (A)	7.9	8.5	9.7	11.2	13.1	15.5	18.3
	INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	20	19	
	1600	LIQUID PRESSURE (PSIG)	203	232	272	324	387	463	547
		LIQUID TEMPERATURE (°F)	60	68	78	89	98	109	118
		LIQUID SUBCOOLING (°F)	11	11	12	13	16	19	23
		SUCTION PRESSURE (PSIG)	126	128	130	132	135	137	140
		SUCTION TEMPERATURE (°F)	56	56	56	57	59	61	64
		SUCTION SUPERHEAT (°F)	13	12	11	11	12	13	15
OUTDOOR UNIT CURRENT (A)		8.8	9.5	10.6	12.1	14.1	16.4	19.2	
COMPRESSOR CURRENT (A)		7.8	8.4	9.6	11.1	13.0	15.4	18.2	
INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	18	17		

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## YCD42B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1200	LIQUID PRESSURE (PSIG)	199	231	272	322	382	456	545
		LIQUID TEMPERATURE (°F)	60	69	79	88	97	108	119
		LIQUID SUBCOOLING (°F)	9	10	11	13	16	19	22
		SUCTION PRESSURE (PSIG)	113	116	119	122	126	130	134
		SUCTION TEMPERATURE (°F)	51	51	51	53	55	58	61
		SUCTION SUPERHEAT (°F)	13	12	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	8.9	9.7	10.8	12.3	14.1	16.2	18.7
		COMPRESSOR CURRENT (A)	7.8	8.6	9.8	11.3	13.1	15.2	17.7
	INDOOR COIL DB TEMP DROP (°F)	31	31	30	29	28	27	26	
	1400	LIQUID PRESSURE (PSIG)	199	231	272	322	382	456	545
		LIQUID TEMPERATURE (°F)	61	70	80	89	98	109	120
		LIQUID SUBCOOLING (°F)	8	9	10	12	15	18	21
		SUCTION PRESSURE (PSIG)	118	121	124	127	131	135	139
		SUCTION TEMPERATURE (°F)	53	53	54	55	57	60	63
		SUCTION SUPERHEAT (°F)	13	12	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	8.8	9.6	10.7	12.2	14.0	16.1	18.6
		COMPRESSOR CURRENT (A)	7.7	8.5	9.7	11.2	13.0	15.1	17.6
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	26	25	24	23	
	1600	LIQUID PRESSURE (PSIG)	199	231	272	322	382	456	545
		LIQUID TEMPERATURE (°F)	62	71	81	90	99	110	121
		LIQUID SUBCOOLING (°F)	7	8	9	11	14	17	20
		SUCTION PRESSURE (PSIG)	123	126	129	132	136	140	144
		SUCTION TEMPERATURE (°F)	55	55	56	57	59	62	65
		SUCTION SUPERHEAT (°F)	13	12	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	8.7	9.5	10.6	12.1	13.9	16.0	18.5
		COMPRESSOR CURRENT (A)	7.6	8.4	9.6	11.1	12.9	15.0	17.5
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	21	20	
	80/62	1200	LIQUID PRESSURE (PSIG)	205	235	276	326	386	460
LIQUID TEMPERATURE (°F)			60	69	79	88	98	108	119
LIQUID SUBCOOLING (°F)			11	11	12	14	16	19	23
SUCTION PRESSURE (PSIG)			120	121	123	126	129	132	135
SUCTION TEMPERATURE (°F)			54	53	53	54	57	59	62
SUCTION SUPERHEAT (°F)			13	12	11	11	12	13	15
OUTDOOR UNIT CURRENT (A)			9.0	9.7	10.8	12.3	14.1	16.3	18.8
COMPRESSOR CURRENT (A)			7.9	8.7	9.8	11.3	13.1	15.2	17.8
INDOOR COIL DB TEMP DROP (°F)		28	28	27	27	26	25	24	
1400		LIQUID PRESSURE (PSIG)	203	233	274	324	384	458	548
		LIQUID TEMPERATURE (°F)	61	69	79	89	99	109	119
		LIQUID SUBCOOLING (°F)	10	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	124	125	127	130	133	136	139
		SUCTION TEMPERATURE (°F)	56	55	55	56	58	60	64
		SUCTION SUPERHEAT (°F)	13	12	11	11	12	13	15
		OUTDOOR UNIT CURRENT (A)	8.9	9.6	10.7	12.2	14.0	16.2	18.7
		COMPRESSOR CURRENT (A)	7.8	8.6	9.7	11.2	13.0	15.1	17.7
INDOOR COIL DB TEMP DROP (°F)		26	26	25	25	24	23	22	
1600		LIQUID PRESSURE (PSIG)	201	231	272	322	382	456	546
		LIQUID TEMPERATURE (°F)	61	70	80	89	99	110	120
		LIQUID SUBCOOLING (°F)	9	9	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	128	129	131	134	137	140	143
		SUCTION TEMPERATURE (°F)	57	57	56	58	60	62	65
		SUCTION SUPERHEAT (°F)	13	12	11	11	12	13	15
		OUTDOOR UNIT CURRENT (A)	8.8	9.5	10.6	12.1	13.9	16.1	18.6
		COMPRESSOR CURRENT (A)	7.7	8.5	9.6	11.1	12.9	15.0	17.6
INDOOR COIL DB TEMP DROP (°F)		24	24	23	23	22	21	20	

Continued on next page.



## YCD42B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1200	LIQUID PRESSURE (PSIG)	207	238	278	328	388	463	553
		LIQUID TEMPERATURE (°F)	61	70	80	89	100	110	120
		LIQUID SUBCOOLING (°F)	11	11	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	130	132	135	138	140	143	145
		SUCTION TEMPERATURE (°F)	60	59	59	59	61	63	65
		SUCTION SUPERHEAT (°F)	15	13	12	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	9.0	9.7	10.8	12.3	14.1	16.3	18.8
		COMPRESSOR CURRENT (A)	7.9	8.6	9.7	11.2	13.0	15.2	17.8
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	22	22	21	
	1400	LIQUID PRESSURE (PSIG)	207	238	278	328	388	463	553
		LIQUID TEMPERATURE (°F)	61	70	80	89	100	110	120
		LIQUID SUBCOOLING (°F)	11	11	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	133	135	138	141	143	146	148
		SUCTION TEMPERATURE (°F)	62	61	61	61	63	65	67
		SUCTION SUPERHEAT (°F)	16	14	13	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	9.0	9.7	10.8	12.3	14.1	16.3	18.8
		COMPRESSOR CURRENT (A)	7.9	8.6	9.7	11.2	13.0	15.2	17.8
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	20	20	19	
	1600	LIQUID PRESSURE (PSIG)	207	238	278	328	388	463	553
		LIQUID TEMPERATURE (°F)	61	70	80	89	100	110	120
		LIQUID SUBCOOLING (°F)	11	11	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	136	138	141	144	146	149	151
		SUCTION TEMPERATURE (°F)	64	63	63	64	65	68	69
		SUCTION SUPERHEAT (°F)	17	15	14	13	14	15	16
OUTDOOR UNIT CURRENT (A)		9.0	9.7	10.8	12.3	14.1	16.3	18.8	
COMPRESSOR CURRENT (A)		7.9	8.6	9.7	11.2	13.0	15.2	17.8	
INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	18	18	17		
80/72	1200	LIQUID PRESSURE (PSIG)	211	241	282	332	391	464	551
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	110	120
		LIQUID SUBCOOLING (°F)	13	12	12	13	15	18	22
		SUCTION PRESSURE (PSIG)	138	142	146	149	152	155	157
		SUCTION TEMPERATURE (°F)	66	66	65	66	67	68	70
		SUCTION SUPERHEAT (°F)	18	16	14	13	13	13	15
		OUTDOOR UNIT CURRENT (A)	9.1	9.8	10.9	12.3	14.1	16.2	18.7
		COMPRESSOR CURRENT (A)	8.0	8.7	9.8	11.3	13.0	15.2	17.6
	INDOOR COIL DB TEMP DROP (°F)	18	17	17	17	17	16	16	
	1400	LIQUID PRESSURE (PSIG)	212	242	283	333	392	465	552
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	110	120
		LIQUID SUBCOOLING (°F)	13	12	12	13	15	18	22
		SUCTION PRESSURE (PSIG)	140	144	148	151	154	157	159
		SUCTION TEMPERATURE (°F)	68	68	67	67	68	69	72
		SUCTION SUPERHEAT (°F)	19	17	15	14	14	14	16
		OUTDOOR UNIT CURRENT (A)	9.1	9.8	10.9	12.3	14.1	16.2	18.7
		COMPRESSOR CURRENT (A)	8.0	8.7	9.8	11.3	13.0	15.2	17.6
	INDOOR COIL DB TEMP DROP (°F)	17	16	16	16	16	15	15	
	1600	LIQUID PRESSURE (PSIG)	213	243	284	334	393	466	553
		LIQUID TEMPERATURE (°F)	61	70	80	91	101	110	120
		LIQUID SUBCOOLING (°F)	13	12	12	13	15	18	22
		SUCTION PRESSURE (PSIG)	142	146	150	153	156	159	161
		SUCTION TEMPERATURE (°F)	70	69	69	69	70	71	74
		SUCTION SUPERHEAT (°F)	20	18	16	15	15	15	17
OUTDOOR UNIT CURRENT (A)		9.1	9.8	10.9	12.3	14.1	16.2	18.7	
COMPRESSOR CURRENT (A)		8.0	8.7	9.8	11.3	13.0	15.2	17.6	
INDOOR COIL DB TEMP DROP (°F)	16	15	15	15	15	14	14		

FOR USE WITH MODELS WITH TXV:

- YCD42B23S
- TC3B4223S
- RAC13L42B24S
- QC3B42B22S

YCD42B23S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	194(4)	196(4)	195(1)	196(1)
60	210(5)	212(6)	212(3)	213(2)
65	228(7)	231(8)	231(5)	232(3)
70	248(8)	252(9)	252(6)	252(4)
75	270(10)	274(11)	274(8)	275(6)
80	294(11)	299(12)	299(10)	298(7)
85	320(12)	326(14)	326(11)	324(8)
90	349(14)	355(15)	353(13)	351(10)
95	379(15)	386(16)	382(14)	380(11)
100	412(16)	419(18)	414(16)	410(13)
105	447(17)	455(19)	447(17)	443(14)
110	484(19)	492(20)	482(18)	477(16)
115	523(20)	532(21)	519(19)	512(18)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

YCD42B23S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1200	LIQUID PRESSURE (PSIG)	197	230	273	325	387	457	534
		LIQUID TEMPERATURE (°F)	65	71	79	88	97	107	117
		LIQUID SUBCOOLING (°F)	4	8	11	14	17	20	22
		SUCTION PRESSURE (PSIG)	116	118	120	122	124	127	130
		SUCTION TEMPERATURE (°F)	50	50	51	52	53	54	55
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	8.7	9.7	11.0	12.5	14.3	16.4	18.6
		COMPRESSOR CURRENT (A)	7.6	8.6	9.9	11.5	13.2	15.3	17.6
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	24	23	22	21
	1400	LIQUID PRESSURE (PSIG)	195	228	271	323	385	455	532
		LIQUID TEMPERATURE (°F)	65	71	79	88	98	108	118
		LIQUID SUBCOOLING (°F)	3	7	10	13	16	19	21
		SUCTION PRESSURE (PSIG)	119	121	123	125	127	130	133
		SUCTION TEMPERATURE (°F)	51	51	52	53	54	55	56
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	8.6	9.6	10.9	12.4	14.2	16.3	18.5
		COMPRESSOR CURRENT (A)	7.5	8.5	9.8	11.4	13.1	15.2	17.5
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19
	1600	LIQUID PRESSURE (PSIG)	193	226	269	321	383	453	530
		LIQUID TEMPERATURE (°F)	66	71	80	89	99	108	119
		LIQUID SUBCOOLING (°F)	2	6	9	12	15	18	20
		SUCTION PRESSURE (PSIG)	122	124	126	128	130	133	136
		SUCTION TEMPERATURE (°F)	53	53	53	54	55	56	57
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	10
OUTDOOR UNIT CURRENT (A)		8.5	9.5	10.8	12.3	14.1	16.2	18.4	
COMPRESSOR CURRENT (A)		7.4	8.4	9.7	11.3	13.0	15.1	17.4	
INDOOR COIL DB TEMP DROP (°F)		21	21	20	20	19	18	17	

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## YCD42B23S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1200	LIQUID PRESSURE (PSIG)	195	229	271	321	380	448	533
		LIQUID TEMPERATURE (°F)	63	70	78	88	97	107	118
		LIQUID SUBCOOLING (°F)	5	8	11	13	16	18	21
		SUCTION PRESSURE (PSIG)	109	111	113	117	120	124	129
		SUCTION TEMPERATURE (°F)	47	47	48	49	51	53	55
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	8.8	9.8	11.0	12.5	14.1	16.1	18.3
		COMPRESSOR CURRENT (A)	7.7	8.7	9.9	11.4	13.1	15.0	17.2
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	28	27	26	
	1400	LIQUID PRESSURE (PSIG)	194	228	270	320	379	447	532
		LIQUID TEMPERATURE (°F)	64	71	79	89	98	108	119
		LIQUID SUBCOOLING (°F)	4	7	10	12	15	17	20
		SUCTION PRESSURE (PSIG)	114	116	118	122	125	129	134
		SUCTION TEMPERATURE (°F)	49	49	50	52	53	55	57
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	8.7	9.7	10.9	12.4	14.0	16.0	18.2
		COMPRESSOR CURRENT (A)	7.6	8.6	9.8	11.3	13.0	14.9	17.1
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23	
	1600	LIQUID PRESSURE (PSIG)	193	227	269	319	378	446	531
		LIQUID TEMPERATURE (°F)	65	72	80	89	99	109	120
		LIQUID SUBCOOLING (°F)	3	6	9	11	14	16	19
		SUCTION PRESSURE (PSIG)	119	121	123	127	130	134	139
		SUCTION TEMPERATURE (°F)	51	51	52	54	55	57	59
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	8.6	9.6	10.8	12.3	13.9	15.9	18.1
		COMPRESSOR CURRENT (A)	7.5	8.5	9.7	11.2	12.9	14.8	17.0
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20	
	80/62	1200	LIQUID PRESSURE (PSIG)	199	234	277	329	389	458
LIQUID TEMPERATURE (°F)			64	71	79	88	98	107	117
LIQUID SUBCOOLING (°F)			5	9	12	15	17	20	22
SUCTION PRESSURE (PSIG)			116	117	119	121	124	127	131
SUCTION TEMPERATURE (°F)			50	49	50	50	52	54	55
SUCTION SUPERHEAT (°F)			11	10	10	9	9	10	10
OUTDOOR UNIT CURRENT (A)			8.8	9.8	11.1	12.6	14.3	16.3	18.6
COMPRESSOR CURRENT (A)			7.7	8.7	10.0	11.5	13.3	15.3	17.5
INDOOR COIL DB TEMP DROP (°F)		29	29	28	27	26	25	24	
1400		LIQUID PRESSURE (PSIG)	196	231	274	326	386	455	532
		LIQUID TEMPERATURE (°F)	65	71	79	88	98	108	118
		LIQUID SUBCOOLING (°F)	4	8	11	14	16	19	21
		SUCTION PRESSURE (PSIG)	120	121	123	125	128	131	135
		SUCTION TEMPERATURE (°F)	52	51	52	52	53	55	57
		SUCTION SUPERHEAT (°F)	11	10	10	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	8.7	9.7	11.0	12.5	14.2	16.2	18.5
		COMPRESSOR CURRENT (A)	7.6	8.6	9.9	11.4	13.2	15.2	17.4
INDOOR COIL DB TEMP DROP (°F)		27	27	26	25	24	23	22	
1600		LIQUID PRESSURE (PSIG)	193	228	271	323	383	452	529
		LIQUID TEMPERATURE (°F)	65	71	79	88	99	108	119
		LIQUID SUBCOOLING (°F)	3	7	10	13	15	18	20
		SUCTION PRESSURE (PSIG)	124	125	127	129	132	135	139
		SUCTION TEMPERATURE (°F)	54	53	54	54	55	57	59
		SUCTION SUPERHEAT (°F)	11	10	10	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	8.6	9.6	10.9	12.4	14.1	16.1	18.4
		COMPRESSOR CURRENT (A)	7.5	8.5	9.8	11.3	13.1	15.1	17.3
INDOOR COIL DB TEMP DROP (°F)		25	25	24	23	22	21	20	

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## YCD42B23S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1200	LIQUID PRESSURE (PSIG)	196	232	275	326	383	448	529
		LIQUID TEMPERATURE (°F)	67	73	81	90	99	107	119
		LIQUID SUBCOOLING (°F)	2	6	9	12	15	18	20
		SUCTION PRESSURE (PSIG)	126	129	131	133	136	138	141
		SUCTION TEMPERATURE (°F)	57	57	55	56	56	57	59
		SUCTION SUPERHEAT (°F)	14	12	10	10	9	9	10
		OUTDOOR UNIT CURRENT (A)	8.5	9.7	11.0	12.5	14.2	16.1	18.1
		COMPRESSOR CURRENT (A)	7.4	8.6	9.9	11.5	13.1	15.0	17.0
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	24	23	22	22	
	1400	LIQUID PRESSURE (PSIG)	195	231	274	325	382	447	528
		LIQUID TEMPERATURE (°F)	67	74	82	91	99	108	119
		LIQUID SUBCOOLING (°F)	1	5	8	11	14	17	19
		SUCTION PRESSURE (PSIG)	129	132	134	136	139	141	144
		SUCTION TEMPERATURE (°F)	59	58	57	57	58	58	61
		SUCTION SUPERHEAT (°F)	14	12	10	10	9	9	10
		OUTDOOR UNIT CURRENT (A)	8.4	9.6	10.9	12.4	14.1	16.0	18.0
		COMPRESSOR CURRENT (A)	7.3	8.5	9.8	11.4	13.0	14.9	16.9
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	21	20	20	
	1600	LIQUID PRESSURE (PSIG)	194	230	273	324	381	446	527
		LIQUID TEMPERATURE (°F)	68	75	83	92	100	109	120
		LIQUID SUBCOOLING (°F)	0	4	7	10	13	16	18
		SUCTION PRESSURE (PSIG)	132	135	137	139	142	144	147
		SUCTION TEMPERATURE (°F)	60	59	58	59	59	60	62
		SUCTION SUPERHEAT (°F)	14	12	10	10	9	9	10
		OUTDOOR UNIT CURRENT (A)	8.3	9.5	10.8	12.3	14.0	15.9	17.9
		COMPRESSOR CURRENT (A)	7.2	8.4	9.7	11.3	12.9	14.8	16.8
	INDOOR COIL DB TEMP DROP (°F)	21	20	20	20	19	18	18	
	80/72	1200	LIQUID PRESSURE (PSIG)	196	232	275	324	380	443
LIQUID TEMPERATURE (°F)			68	76	84	94	102	111	119
LIQUID SUBCOOLING (°F)			1	3	6	8	11	14	18
SUCTION PRESSURE (PSIG)			135	139	142	146	149	151	154
SUCTION TEMPERATURE (°F)			63	62	61	60	61	61	63
SUCTION SUPERHEAT (°F)			16	13	11	9	8	8	9
OUTDOOR UNIT CURRENT (A)			8.4	9.6	10.9	12.3	14.0	15.8	17.8
COMPRESSOR CURRENT (A)			7.3	8.5	9.8	11.3	12.9	14.7	16.7
INDOOR COIL DB TEMP DROP (°F)		20	20	19	19	18	18	17	
1400		LIQUID PRESSURE (PSIG)	196	232	275	324	380	443	521
		LIQUID TEMPERATURE (°F)	68	76	84	94	102	111	119
		LIQUID SUBCOOLING (°F)	1	3	6	8	11	14	18
		SUCTION PRESSURE (PSIG)	138	142	145	149	152	154	157
		SUCTION TEMPERATURE (°F)	65	64	63	63	63	63	65
		SUCTION SUPERHEAT (°F)	17	14	12	10	9	9	10
		OUTDOOR UNIT CURRENT (A)	8.4	9.6	10.9	12.3	14.0	15.8	17.8
		COMPRESSOR CURRENT (A)	7.3	8.5	9.8	11.3	12.9	14.7	16.7
INDOOR COIL DB TEMP DROP (°F)		18	18	17	17	16	16	15	
1600		LIQUID PRESSURE (PSIG)	196	232	275	324	380	443	521
		LIQUID TEMPERATURE (°F)	68	76	84	94	102	111	119
		LIQUID SUBCOOLING (°F)	1	3	6	8	11	14	18
		SUCTION PRESSURE (PSIG)	141	145	148	152	155	157	160
		SUCTION TEMPERATURE (°F)	67	66	65	65	65	65	68
		SUCTION SUPERHEAT (°F)	18	15	13	11	10	10	11
		OUTDOOR UNIT CURRENT (A)	8.4	9.6	10.9	12.3	14.0	15.8	17.8
		COMPRESSOR CURRENT (A)	7.3	8.5	9.8	11.3	12.9	14.7	16.7
INDOOR COIL DB TEMP DROP (°F)		16	16	15	15	14	14	13	

FOR USE WITH MODELS WITH TXV:

- YCD48B21S
- TC3B4821S
- RAC13L48B21S
- QC3B48B21S

YCD48B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	201(15)	208(14)	212(17)	217(18)
60	214(13)	220(13)	225(16)	231(18)
65	230(12)	235(13)	240(15)	246(18)
70	248(11)	252(13)	257(15)	264(18)
75	268(11)	272(13)	277(15)	284(18)
80	291(11)	295(13)	300(14)	307(18)
85	317(11)	320(13)	324(15)	331(18)
90	345(12)	348(14)	351(15)	358(18)
95	376(13)	378(15)	381(15)	387(18)
100	409(15)	411(16)	413(16)	418(18)
105	445(17)	446(18)	447(17)	452(18)
110	483(19)	484(20)	484(18)	488(18)
115	524(22)	525(22)	523(20)	526(18)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

YCD48B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1400	LIQUID PRESSURE (PSIG)	208	236	273	321	379	448	527
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	106	115
		LIQUID SUBCOOLING (°F)	15	13	13	14	16	19	23
		SUCTION PRESSURE (PSIG)	103	111	117	122	126	129	131
		SUCTION TEMPERATURE (°F)	65	62	59	58	56	56	56
		SUCTION SUPERHEAT (°F)	32	25	20	16	13	11	11
		OUTDOOR UNIT CURRENT (A)	10.1	11.1	12.4	14.0	15.9	18.0	20.4
		COMPRESSOR CURRENT (A)	9.2	10.3	11.6	13.2	15.0	17.2	19.6
		INDOOR COIL DB TEMP DROP (°F)	20	20	21	21	21	20	19
	1600	LIQUID PRESSURE (PSIG)	208	236	273	321	379	448	527
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	106	115
		LIQUID SUBCOOLING (°F)	15	13	13	14	16	19	23
		SUCTION PRESSURE (PSIG)	105	113	119	124	128	131	133
		SUCTION TEMPERATURE (°F)	67	64	61	60	58	57	58
		SUCTION SUPERHEAT (°F)	33	26	21	17	14	12	12
		OUTDOOR UNIT CURRENT (A)	10.1	11.1	12.4	14.0	15.9	18.0	20.4
		COMPRESSOR CURRENT (A)	9.2	10.3	11.6	13.2	15.0	17.2	19.6
		INDOOR COIL DB TEMP DROP (°F)	19	19	20	20	20	19	18
	1800	LIQUID PRESSURE (PSIG)	208	236	273	321	379	448	527
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	106	115
		LIQUID SUBCOOLING (°F)	15	13	13	14	16	19	23
		SUCTION PRESSURE (PSIG)	107	115	121	126	130	133	135
		SUCTION TEMPERATURE (°F)	69	66	63	61	60	59	60
		SUCTION SUPERHEAT (°F)	34	27	22	18	15	13	13
OUTDOOR UNIT CURRENT (A)		10.1	11.1	12.4	14.0	15.9	18.0	20.4	
COMPRESSOR CURRENT (A)		9.2	10.3	11.6	13.2	15.0	17.2	19.6	
INDOOR COIL DB TEMP DROP (°F)		18	18	19	19	19	18	17	

Continued on next page.

## YCD48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1400	LIQUID PRESSURE (PSIG)	200	229	267	316	375	444	523
		LIQUID TEMPERATURE (°F)	55	66	77	89	99	108	116
		LIQUID SUBCOOLING (°F)	15	12	11	11	13	17	22
		SUCTION PRESSURE (PSIG)	98	106	112	118	123	126	129
		SUCTION TEMPERATURE (°F)	64	59	56	55	55	55	57
		SUCTION SUPERHEAT (°F)	33	25	19	15	13	12	12
		OUTDOOR UNIT CURRENT (A)	9.9	11.0	12.3	13.9	15.8	17.9	20.2
		COMPRESSOR CURRENT (A)	9.0	10.1	11.5	13.1	15.0	17.1	19.4
	INDOOR COIL DB TEMP DROP (°F)	28	28	28	28	27	26	24	
	1600	LIQUID PRESSURE (PSIG)	201	230	268	317	376	445	524
		LIQUID TEMPERATURE (°F)	55	67	78	89	99	108	116
		LIQUID SUBCOOLING (°F)	15	12	11	11	13	17	22
		SUCTION PRESSURE (PSIG)	102	110	116	122	127	130	133
		SUCTION TEMPERATURE (°F)	67	62	59	58	58	58	59
		SUCTION SUPERHEAT (°F)	34	26	20	16	14	13	13
		OUTDOOR UNIT CURRENT (A)	9.9	11.0	12.3	13.9	15.8	17.9	20.2
		COMPRESSOR CURRENT (A)	9.0	10.1	11.5	13.1	15.0	17.1	19.4
	INDOOR COIL DB TEMP DROP (°F)	26	26	26	26	25	24	22	
	1800	LIQUID PRESSURE (PSIG)	202	231	269	318	377	446	525
		LIQUID TEMPERATURE (°F)	55	67	78	89	99	108	116
		LIQUID SUBCOOLING (°F)	15	12	11	11	13	17	22
		SUCTION PRESSURE (PSIG)	106	114	120	126	131	134	137
		SUCTION TEMPERATURE (°F)	70	66	63	61	61	62	63
		SUCTION SUPERHEAT (°F)	36	28	22	18	16	15	15
		OUTDOOR UNIT CURRENT (A)	9.9	11.0	12.3	13.9	15.8	17.9	20.2
		COMPRESSOR CURRENT (A)	9.0	10.1	11.5	13.1	15.0	17.1	19.4
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	23	22	20	
	80/62	1400	LIQUID PRESSURE (PSIG)	209	236	273	321	379	447
LIQUID TEMPERATURE (°F)			58	66	76	87	97	106	115
LIQUID SUBCOOLING (°F)			15	14	14	14	16	19	23
SUCTION PRESSURE (PSIG)			104	111	118	123	127	131	133
SUCTION TEMPERATURE (°F)			69	66	62	60	58	57	58
SUCTION SUPERHEAT (°F)			36	29	22	18	14	12	12
OUTDOOR UNIT CURRENT (A)			10.1	11.2	12.5	14.1	15.9	17.9	20.2
COMPRESSOR CURRENT (A)			9.2	10.3	11.6	13.2	15.0	17.1	19.4
INDOOR COIL DB TEMP DROP (°F)		23	25	25	26	26	25	24	
1600		LIQUID PRESSURE (PSIG)	208	235	272	320	378	446	525
		LIQUID TEMPERATURE (°F)	58	67	77	88	98	107	116
		LIQUID SUBCOOLING (°F)	14	13	13	13	15	18	22
		SUCTION PRESSURE (PSIG)	106	113	120	125	129	133	135
		SUCTION TEMPERATURE (°F)	70	67	63	61	59	58	59
		SUCTION SUPERHEAT (°F)	36	29	22	18	14	12	12
		OUTDOOR UNIT CURRENT (A)	10.1	11.2	12.5	14.1	15.9	17.9	20.2
		COMPRESSOR CURRENT (A)	9.2	10.3	11.6	13.2	15.0	17.1	19.4
INDOOR COIL DB TEMP DROP (°F)		21	23	23	24	24	23	22	
1800		LIQUID PRESSURE (PSIG)	207	234	271	319	377	445	524
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	117
		LIQUID SUBCOOLING (°F)	13	12	12	12	14	17	21
		SUCTION PRESSURE (PSIG)	108	115	122	127	131	135	137
		SUCTION TEMPERATURE (°F)	71	68	64	62	59	59	60
		SUCTION SUPERHEAT (°F)	36	29	22	18	14	12	12
		OUTDOOR UNIT CURRENT (A)	10.1	11.2	12.5	14.1	15.9	17.9	20.2
		COMPRESSOR CURRENT (A)	9.2	10.3	11.6	13.2	15.0	17.1	19.4
INDOOR COIL DB TEMP DROP (°F)		19	21	21	22	22	21	20	

Continued on next page.

## YCD48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1400	LIQUID PRESSURE (PSIG)	211	239	276	323	380	446	522
		LIQUID TEMPERATURE (°F)	56	66	76	86	98	108	117
		LIQUID SUBCOOLING (°F)	17	15	15	15	15	17	20
		SUCTION PRESSURE (PSIG)	107	116	124	130	136	140	144
		SUCTION TEMPERATURE (°F)	71	69	68	66	64	62	62
		SUCTION SUPERHEAT (°F)	36	30	25	21	17	13	11
		OUTDOOR UNIT CURRENT (A)	10.2	11.3	12.6	14.1	15.9	17.9	20.1
		COMPRESSOR CURRENT (A)	9.3	10.4	11.7	13.3	15.1	17.1	19.3
	INDOOR COIL DB TEMP DROP (°F)	20	20	21	21	21	21	21	
	1600	LIQUID PRESSURE (PSIG)	212	240	277	324	381	447	523
		LIQUID TEMPERATURE (°F)	56	66	76	87	98	108	118
		LIQUID SUBCOOLING (°F)	17	15	15	15	15	17	20
		SUCTION PRESSURE (PSIG)	109	118	126	132	138	142	146
		SUCTION TEMPERATURE (°F)	73	71	69	68	66	64	63
		SUCTION SUPERHEAT (°F)	37	31	26	22	18	14	12
		OUTDOOR UNIT CURRENT (A)	10.2	11.3	12.6	14.1	15.9	17.9	20.1
		COMPRESSOR CURRENT (A)	9.3	10.4	11.7	13.3	15.1	17.1	19.3
	INDOOR COIL DB TEMP DROP (°F)	18	18	19	19	19	19	19	
	1800	LIQUID PRESSURE (PSIG)	213	241	278	325	382	448	524
		LIQUID TEMPERATURE (°F)	57	67	76	87	98	108	118
		LIQUID SUBCOOLING (°F)	17	15	15	15	15	17	20
		SUCTION PRESSURE (PSIG)	111	120	128	134	140	144	148
		SUCTION TEMPERATURE (°F)	75	73	71	70	68	66	65
		SUCTION SUPERHEAT (°F)	38	32	27	23	19	15	13
OUTDOOR UNIT CURRENT (A)		10.2	11.3	12.6	14.1	15.9	17.9	20.1	
COMPRESSOR CURRENT (A)		9.3	10.4	11.7	13.3	15.1	17.1	19.3	
INDOOR COIL DB TEMP DROP (°F)	16	16	17	17	17	17	17		
80/72	1400	LIQUID PRESSURE (PSIG)	216	245	283	330	386	451	525
		LIQUID TEMPERATURE (°F)	57	65	74	85	96	108	120
		LIQUID SUBCOOLING (°F)	18	18	18	18	18	18	18
		SUCTION PRESSURE (PSIG)	109	118	127	136	143	150	156
		SUCTION TEMPERATURE (°F)	74	74	74	73	72	71	69
		SUCTION SUPERHEAT (°F)	38	34	30	26	22	18	14
		OUTDOOR UNIT CURRENT (A)	10.3	11.4	12.8	14.3	16.1	18.1	20.2
		COMPRESSOR CURRENT (A)	9.4	10.6	11.9	13.5	15.3	17.2	19.4
	INDOOR COIL DB TEMP DROP (°F)	15	15	16	16	16	16	15	
	1600	LIQUID PRESSURE (PSIG)	217	246	284	331	387	452	526
		LIQUID TEMPERATURE (°F)	57	65	74	85	96	108	120
		LIQUID SUBCOOLING (°F)	18	18	18	18	18	18	18
		SUCTION PRESSURE (PSIG)	110	119	128	137	144	151	157
		SUCTION TEMPERATURE (°F)	74	74	74	74	73	71	69
		SUCTION SUPERHEAT (°F)	38	34	30	26	22	18	14
		OUTDOOR UNIT CURRENT (A)	10.3	11.4	12.8	14.3	16.1	18.1	20.2
		COMPRESSOR CURRENT (A)	9.4	10.6	11.9	13.5	15.3	17.2	19.4
	INDOOR COIL DB TEMP DROP (°F)	14	14	15	15	15	15	14	
	1800	LIQUID PRESSURE (PSIG)	218	247	285	332	388	453	527
		LIQUID TEMPERATURE (°F)	57	65	75	85	97	108	120
		LIQUID SUBCOOLING (°F)	18	18	18	18	18	18	18
		SUCTION PRESSURE (PSIG)	111	120	129	138	145	152	158
		SUCTION TEMPERATURE (°F)	76	76	76	75	74	73	71
		SUCTION SUPERHEAT (°F)	39	35	31	27	23	19	15
OUTDOOR UNIT CURRENT (A)		10.3	11.4	12.8	14.3	16.1	18.1	20.2	
COMPRESSOR CURRENT (A)		9.4	10.6	11.9	13.5	15.3	17.2	19.4	
INDOOR COIL DB TEMP DROP (°F)	13	13	14	14	14	14	13		

FOR USE WITH MODELS WITH TXV:

YCD60B21S

TC3B6021S

RAC13L60B21S

QC3B60B21S

YCD60B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	203(6)	206(5)	209(7)	211(8)
60	219(7)	222(6)	225(7)	229(8)
65	236(8)	241(8)	244(8)	248(8)
70	257(10)	262(9)	265(9)	269(9)
75	279(11)	284(11)	287(10)	291(9)
80	304(12)	309(12)	312(11)	315(10)
85	331(13)	336(14)	338(12)	341(11)
90	361(15)	365(15)	366(14)	368(12)
95	393(16)	396(17)	396(15)	397(13)
100	427(18)	429(18)	428(16)	428(15)
105	464(20)	464(20)	462(18)	460(16)
110	503(22)	501(21)	498(20)	494(18)
115	545(23)	540(23)	536(22)	529(20)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCD60B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1500	LIQUID PRESSURE (PSIG)	207	242	285	337	397	467	545
		LIQUID TEMPERATURE (°F)	64	72	81	90	99	109	117
		LIQUID SUBCOOLING (°F)	8	10	12	14	17	20	24
		SUCTION PRESSURE (PSIG)	115	117	119	122	124	127	130
		SUCTION TEMPERATURE (°F)	50	49	50	52	54	55	57
		SUCTION SUPERHEAT (°F)	11	10	10	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	13.0	13.9	15.4	17.5	20.3	23.8	27.9
		COMPRESSOR CURRENT (A)	11.9	12.7	14.3	16.4	19.3	22.8	26.9
	INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	24	23	22	
	1700	LIQUID PRESSURE (PSIG)	207	242	285	337	397	467	545
		LIQUID TEMPERATURE (°F)	64	72	81	90	99	109	117
		LIQUID SUBCOOLING (°F)	8	10	12	14	17	20	24
		SUCTION PRESSURE (PSIG)	117	119	121	124	126	129	132
		SUCTION TEMPERATURE (°F)	51	51	52	54	55	57	59
		SUCTION SUPERHEAT (°F)	12	11	11	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	13.0	13.9	15.4	17.5	20.3	23.8	27.9
		COMPRESSOR CURRENT (A)	11.9	12.7	14.3	16.4	19.3	22.8	26.9
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	23	22	21	
	1900	LIQUID PRESSURE (PSIG)	207	242	285	337	397	467	545
		LIQUID TEMPERATURE (°F)	64	72	81	90	99	109	117
		LIQUID SUBCOOLING (°F)	8	10	12	14	17	20	24
		SUCTION PRESSURE (PSIG)	119	121	123	126	128	131	134
		SUCTION TEMPERATURE (°F)	53	53	54	55	57	58	61
		SUCTION SUPERHEAT (°F)	13	12	12	12	13	13	14
OUTDOOR UNIT CURRENT (A)		13.0	13.9	15.4	17.5	20.3	23.8	27.9	
COMPRESSOR CURRENT (A)		11.9	12.7	14.3	16.4	19.3	22.8	26.9	
INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	22	21	20		

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## YCD60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1500	LIQUID PRESSURE (PSIG)	206	239	282	334	396	467	548
		LIQUID TEMPERATURE (°F)	65	72	80	90	99	108	117
		LIQUID SUBCOOLING (°F)	7	9	12	14	17	21	24
		SUCTION PRESSURE (PSIG)	105	107	110	113	117	121	125
		SUCTION TEMPERATURE (°F)	44	45	46	48	50	52	54
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	11	11
		OUTDOOR UNIT CURRENT (A)	12.8	13.7	15.3	17.6	20.6	24.2	28.5
		COMPRESSOR CURRENT (A)	11.7	12.6	14.2	16.5	19.5	23.1	27.4
	INDOOR COIL DB TEMP DROP (°F)	34	33	32	31	30	29	27	
	1700	LIQUID PRESSURE (PSIG)	203	236	279	331	393	464	545
		LIQUID TEMPERATURE (°F)	65	72	80	90	100	108	118
		LIQUID SUBCOOLING (°F)	6	8	11	13	16	20	23
		SUCTION PRESSURE (PSIG)	110	112	115	118	122	126	130
		SUCTION TEMPERATURE (°F)	46	47	49	50	53	54	56
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	11	11
		OUTDOOR UNIT CURRENT (A)	12.6	13.5	15.1	17.4	20.4	24.0	28.3
		COMPRESSOR CURRENT (A)	11.5	12.4	14.0	16.3	19.3	22.9	27.2
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	28	27	25	
	1900	LIQUID PRESSURE (PSIG)	200	233	276	328	390	461	542
		LIQUID TEMPERATURE (°F)	65	72	81	90	100	109	118
		LIQUID SUBCOOLING (°F)	5	7	10	12	15	19	22
		SUCTION PRESSURE (PSIG)	115	117	120	123	127	131	135
		SUCTION TEMPERATURE (°F)	50	50	52	53	56	57	59
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	12
		OUTDOOR UNIT CURRENT (A)	12.4	13.3	14.9	17.2	20.2	23.8	28.1
		COMPRESSOR CURRENT (A)	11.3	12.2	13.8	16.1	19.1	22.7	27.0
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	23	
	80/62	1500	LIQUID PRESSURE (PSIG)	208	243	286	338	398	466
LIQUID TEMPERATURE (°F)			68	75	83	92	100	109	118
LIQUID SUBCOOLING (°F)			4	7	10	13	16	19	22
SUCTION PRESSURE (PSIG)			113	115	118	120	123	125	128
SUCTION TEMPERATURE (°F)			43	45	47	49	50	52	53
SUCTION SUPERHEAT (°F)			5	6	7	8	8	9	9
OUTDOOR UNIT CURRENT (A)			12.8	13.9	15.5	17.7	20.4	23.8	27.6
COMPRESSOR CURRENT (A)			11.7	12.8	14.4	16.6	19.4	22.7	26.6
INDOOR COIL DB TEMP DROP (°F)		31	30	30	29	29	28	27	
1700		LIQUID PRESSURE (PSIG)	206	241	284	336	396	464	540
		LIQUID TEMPERATURE (°F)	67	74	81	90	99	108	117
		LIQUID SUBCOOLING (°F)	5	8	11	14	17	20	23
		SUCTION PRESSURE (PSIG)	117	119	122	124	127	129	132
		SUCTION TEMPERATURE (°F)	47	49	52	54	55	57	58
		SUCTION SUPERHEAT (°F)	8	9	10	11	11	12	12
		OUTDOOR UNIT CURRENT (A)	12.7	13.8	15.4	17.6	20.3	23.7	27.5
		COMPRESSOR CURRENT (A)	11.6	12.7	14.3	16.5	19.3	22.6	26.5
INDOOR COIL DB TEMP DROP (°F)		29	28	28	27	27	26	25	
1900		LIQUID PRESSURE (PSIG)	204	239	282	334	394	462	538
		LIQUID TEMPERATURE (°F)	67	74	82	91	100	109	118
		LIQUID SUBCOOLING (°F)	4	7	10	13	16	19	22
		SUCTION PRESSURE (PSIG)	121	123	126	128	131	133	136
		SUCTION TEMPERATURE (°F)	49	51	53	55	56	58	59
		SUCTION SUPERHEAT (°F)	8	9	10	11	11	12	12
		OUTDOOR UNIT CURRENT (A)	12.6	13.7	15.3	17.5	20.2	23.6	27.4
		COMPRESSOR CURRENT (A)	11.5	12.6	14.2	16.4	19.2	22.5	26.4
INDOOR COIL DB TEMP DROP (°F)		27	26	26	25	25	24	23	

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## YCD60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1500	LIQUID PRESSURE (PSIG)	210	245	288	339	397	463	537
		LIQUID TEMPERATURE (°F)	65	74	82	92	100	109	117
		LIQUID SUBCOOLING (°F)	8	9	11	13	16	19	23
		SUCTION PRESSURE (PSIG)	123	126	128	131	134	136	139
		SUCTION TEMPERATURE (°F)	56	56	56	57	59	59	62
		SUCTION SUPERHEAT (°F)	14	13	12	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	13.0	14.0	15.5	17.7	20.3	23.6	27.4
		COMPRESSOR CURRENT (A)	11.8	12.9	14.4	16.6	19.3	22.5	26.3
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	25	24	23	
	1700	LIQUID PRESSURE (PSIG)	209	244	287	338	396	462	536
		LIQUID TEMPERATURE (°F)	66	74	83	93	101	110	118
		LIQUID SUBCOOLING (°F)	7	8	10	12	15	18	22
		SUCTION PRESSURE (PSIG)	126	129	131	134	137	139	142
		SUCTION TEMPERATURE (°F)	57	58	57	59	60	61	63
		SUCTION SUPERHEAT (°F)	14	13	12	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	13.0	14.0	15.5	17.7	20.3	23.6	27.4
		COMPRESSOR CURRENT (A)	11.8	12.9	14.4	16.6	19.3	22.5	26.3
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	23	22	21	
	1900	LIQUID PRESSURE (PSIG)	208	243	286	337	395	461	535
		LIQUID TEMPERATURE (°F)	66	75	84	93	102	111	118
		LIQUID SUBCOOLING (°F)	6	7	9	11	14	17	21
		SUCTION PRESSURE (PSIG)	129	132	134	137	140	142	145
		SUCTION TEMPERATURE (°F)	59	59	59	60	61	62	64
		SUCTION SUPERHEAT (°F)	14	13	12	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	13.0	14.0	15.5	17.7	20.3	23.6	27.4
		COMPRESSOR CURRENT (A)	11.8	12.9	14.4	16.6	19.3	22.5	26.3
	INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	21	20	19	
	80/72	1500	LIQUID PRESSURE (PSIG)	211	248	291	341	397	460
LIQUID TEMPERATURE (°F)			65	75	85	94	103	111	119
LIQUID SUBCOOLING (°F)			8	8	9	11	13	16	20
SUCTION PRESSURE (PSIG)			131	135	139	143	146	149	151
SUCTION TEMPERATURE (°F)			62	62	63	63	64	66	67
SUCTION SUPERHEAT (°F)			17	15	14	13	13	13	14
OUTDOOR UNIT CURRENT (A)			13.0	14.2	15.8	17.8	20.4	23.4	26.9
COMPRESSOR CURRENT (A)			11.9	13.0	14.7	16.7	19.3	22.3	25.9
INDOOR COIL DB TEMP DROP (°F)		21	20	20	19	19	18	17	
1700		LIQUID PRESSURE (PSIG)	211	248	291	341	397	460	529
		LIQUID TEMPERATURE (°F)	65	75	85	94	103	111	119
		LIQUID SUBCOOLING (°F)	8	8	9	11	13	16	20
		SUCTION PRESSURE (PSIG)	133	137	141	145	148	151	153
		SUCTION TEMPERATURE (°F)	63	63	63	64	65	66	68
		SUCTION SUPERHEAT (°F)	17	15	14	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	13.0	14.2	15.8	17.8	20.4	23.4	26.9
		COMPRESSOR CURRENT (A)	11.9	13.0	14.7	16.7	19.3	22.3	25.9
INDOOR COIL DB TEMP DROP (°F)		20	19	19	18	18	17	16	
1900		LIQUID PRESSURE (PSIG)	211	248	291	341	397	460	529
		LIQUID TEMPERATURE (°F)	65	75	85	94	103	111	119
		LIQUID SUBCOOLING (°F)	8	8	9	11	13	16	20
		SUCTION PRESSURE (PSIG)	135	139	143	147	150	153	155
		SUCTION TEMPERATURE (°F)	64	64	64	65	66	67	69
		SUCTION SUPERHEAT (°F)	17	15	14	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	13.0	14.2	15.8	17.8	20.4	23.4	26.9
		COMPRESSOR CURRENT (A)	11.9	13.0	14.7	16.7	19.3	22.3	25.9
INDOOR COIL DB TEMP DROP (°F)		19	18	18	17	17	16	15	

FOR USE WITH MODELS WITH TXV:

YCD60B22S

TC3B6022S

RAC13L60B23S

QC3B60B21S

YCD60B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	204(3)	204(3)	206(1)	211(3)
60	223(5)	224(5)	226(3)	231(4)
65	244(7)	244(7)	247(5)	251(5)
70	266(9)	266(9)	269(7)	273(6)
75	289(11)	289(11)	292(8)	295(7)
80	313(13)	314(13)	313(10)	319(8)
85	339(14)	339(14)	339(11)	344(9)
90	365(15)	366(16)	368(12)	371(10)
95	393(16)	393(17)	396(14)	398(11)
100	422(17)	422(18)	424(15)	427(12)
105	452(18)	452(18)	454(16)	456(13)
110	483(19)	484(19)	485(17)	487(15)
115	516(19)	516(19)	517(17)	520(16)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCD60B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1500	LIQUID PRESSURE (PSIG)	204	244	290	340	394	454	518
		LIQUID TEMPERATURE (°F)	68	74	82	90	98	106	116
		LIQUID SUBCOOLING (°F)	3	8	12	15	18	20	21
		SUCTION PRESSURE (PSIG)	115	117	119	121	124	126	129
		SUCTION TEMPERATURE (°F)	48	47	47	48	50	50	52
		SUCTION SUPERHEAT (°F)	9	8	7	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	12.1	13.3	14.9	16.8	19.0	21.6	24.4
		COMPRESSOR CURRENT (A)	11.1	12.3	13.9	15.8	18.1	20.6	23.5
		INDOOR COIL DB TEMP DROP (°F)	26	26	25	24	24	23	22
	1700	LIQUID PRESSURE (PSIG)	204	244	290	340	394	454	518
		LIQUID TEMPERATURE (°F)	69	75	83	91	99	107	117
		LIQUID SUBCOOLING (°F)	2	7	11	14	17	19	20
		SUCTION PRESSURE (PSIG)	117	119	121	123	126	128	131
		SUCTION TEMPERATURE (°F)	48	48	48	49	50	51	52
		SUCTION SUPERHEAT (°F)	9	8	7	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	12.1	13.3	14.9	16.8	19.0	21.6	24.4
		COMPRESSOR CURRENT (A)	11.1	12.3	13.9	15.8	18.1	20.6	23.5
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	23	22	21
	1900	LIQUID PRESSURE (PSIG)	204	244	290	340	394	454	518
		LIQUID TEMPERATURE (°F)	70	76	84	92	100	108	118
		LIQUID SUBCOOLING (°F)	1	6	10	13	16	18	19
		SUCTION PRESSURE (PSIG)	119	121	123	125	128	130	133
		SUCTION TEMPERATURE (°F)	50	50	50	51	52	53	54
		SUCTION SUPERHEAT (°F)	10	9	8	8	8	8	8
OUTDOOR UNIT CURRENT (A)		12.1	13.3	14.9	16.8	19.0	21.6	24.4	
COMPRESSOR CURRENT (A)		11.1	12.3	13.9	15.8	18.1	20.6	23.5	
INDOOR COIL DB TEMP DROP (°F)		24	24	23	22	22	21	20	

Continued on next page.

## YCD60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1500	LIQUID PRESSURE (PSIG)	204	244	289	339	393	452	516
		LIQUID TEMPERATURE (°F)	67	74	82	90	99	107	117
		LIQUID SUBCOOLING (°F)	4	8	12	15	17	19	20
		SUCTION PRESSURE (PSIG)	106	109	112	115	118	122	127
		SUCTION TEMPERATURE (°F)	43	44	44	46	47	49	51
		SUCTION SUPERHEAT (°F)	9	8	7	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	12.1	13.3	14.9	16.9	19.1	21.6	24.4
		COMPRESSOR CURRENT (A)	11.1	12.4	14.0	15.9	18.1	20.7	23.5
	INDOOR COIL DB TEMP DROP (°F)	33	32	31	30	29	28	27	
	1700	LIQUID PRESSURE (PSIG)	204	244	289	339	393	452	516
		LIQUID TEMPERATURE (°F)	68	75	83	91	100	108	118
		LIQUID SUBCOOLING (°F)	3	7	11	14	16	18	19
		SUCTION PRESSURE (PSIG)	110	113	116	119	122	126	131
		SUCTION TEMPERATURE (°F)	45	46	46	47	49	50	52
		SUCTION SUPERHEAT (°F)	9	8	7	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	12.1	13.3	14.9	16.9	19.1	21.6	24.4
		COMPRESSOR CURRENT (A)	11.1	12.4	14.0	15.9	18.1	20.7	23.5
	INDOOR COIL DB TEMP DROP (°F)	31	30	29	28	27	26	25	
	1900	LIQUID PRESSURE (PSIG)	204	244	289	339	393	452	516
		LIQUID TEMPERATURE (°F)	69	76	84	92	101	109	119
		LIQUID SUBCOOLING (°F)	2	6	10	13	15	17	18
		SUCTION PRESSURE (PSIG)	114	117	120	123	126	130	135
		SUCTION TEMPERATURE (°F)	47	47	48	49	50	52	54
		SUCTION SUPERHEAT (°F)	9	8	7	7	7	7	7
OUTDOOR UNIT CURRENT (A)		12.1	13.3	14.9	16.9	19.1	21.6	24.4	
COMPRESSOR CURRENT (A)		11.1	12.4	14.0	15.9	18.1	20.7	23.5	
INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23		
80/62	1500	LIQUID PRESSURE (PSIG)	204	244	289	339	393	452	516
		LIQUID TEMPERATURE (°F)	67	74	82	90	98	107	117
		LIQUID SUBCOOLING (°F)	4	8	12	15	18	19	20
		SUCTION PRESSURE (PSIG)	113	115	117	119	122	125	129
		SUCTION TEMPERATURE (°F)	46	46	45	46	48	49	51
		SUCTION SUPERHEAT (°F)	8	7	6	6	6	6	6
		OUTDOOR UNIT CURRENT (A)	12.1	13.3	14.9	16.8	19.0	21.5	24.4
		COMPRESSOR CURRENT (A)	11.1	12.4	14.0	15.9	18.1	20.6	23.5
	INDOOR COIL DB TEMP DROP (°F)	32	31	31	30	29	28	27	
	1700	LIQUID PRESSURE (PSIG)	204	244	289	339	393	452	516
		LIQUID TEMPERATURE (°F)	68	75	83	91	99	108	118
		LIQUID SUBCOOLING (°F)	3	7	11	14	17	18	19
		SUCTION PRESSURE (PSIG)	116	118	120	122	125	128	132
		SUCTION TEMPERATURE (°F)	48	48	48	49	50	51	53
		SUCTION SUPERHEAT (°F)	9	8	7	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	12.1	13.3	14.9	16.8	19.0	21.5	24.4
		COMPRESSOR CURRENT (A)	11.1	12.4	14.0	15.9	18.1	20.6	23.5
	INDOOR COIL DB TEMP DROP (°F)	30	29	29	28	27	26	25	
	1900	LIQUID PRESSURE (PSIG)	204	244	289	339	393	452	516
		LIQUID TEMPERATURE (°F)	69	76	84	92	100	109	119
		LIQUID SUBCOOLING (°F)	2	6	10	13	16	17	18
		SUCTION PRESSURE (PSIG)	119	121	123	125	128	131	135
		SUCTION TEMPERATURE (°F)	50	50	50	51	52	53	55
		SUCTION SUPERHEAT (°F)	10	9	8	8	8	8	8
OUTDOOR UNIT CURRENT (A)		12.1	13.3	14.9	16.8	19.0	21.5	24.4	
COMPRESSOR CURRENT (A)		11.1	12.4	14.0	15.9	18.1	20.6	23.5	
INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	24	23		

Continued on next page.

## YCD60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1500	LIQUID PRESSURE (PSIG)	205	246	291	341	395	453	516
		LIQUID TEMPERATURE (°F)	70	78	86	94	102	110	120
		LIQUID SUBCOOLING (°F)	1	5	8	11	14	16	17
		SUCTION PRESSURE (PSIG)	123	126	129	132	135	137	140
		SUCTION TEMPERATURE (°F)	53	52	53	53	53	54	55
		SUCTION SUPERHEAT (°F)	11	9	8	7	6	6	6
		OUTDOOR UNIT CURRENT (A)	12.0	13.4	15.0	16.9	19.1	21.6	24.4
		COMPRESSOR CURRENT (A)	11.1	12.4	14.0	16.0	18.2	20.7	23.5
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	23	22	
	1700	LIQUID PRESSURE (PSIG)	206	247	292	342	396	454	517
		LIQUID TEMPERATURE (°F)	71	78	86	94	102	110	120
		LIQUID SUBCOOLING (°F)	1	5	8	11	14	16	17
		SUCTION PRESSURE (PSIG)	126	129	132	135	138	140	143
		SUCTION TEMPERATURE (°F)	55	55	55	55	55	56	57
		SUCTION SUPERHEAT (°F)	12	10	9	8	7	7	7
		OUTDOOR UNIT CURRENT (A)	12.0	13.4	15.0	16.9	19.1	21.6	24.4
		COMPRESSOR CURRENT (A)	11.1	12.4	14.0	16.0	18.2	20.7	23.5
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	22	21	
	1900	LIQUID PRESSURE (PSIG)	207	248	293	343	397	455	518
		LIQUID TEMPERATURE (°F)	71	78	87	95	102	111	120
		LIQUID SUBCOOLING (°F)	1	5	8	11	14	16	17
		SUCTION PRESSURE (PSIG)	129	132	135	138	141	143	146
		SUCTION TEMPERATURE (°F)	58	57	57	57	57	58	59
		SUCTION SUPERHEAT (°F)	13	11	10	9	8	8	8
		OUTDOOR UNIT CURRENT (A)	12.0	13.4	15.0	16.9	19.1	21.6	24.4
		COMPRESSOR CURRENT (A)	11.1	12.4	14.0	16.0	18.2	20.7	23.5
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	21	20	
	80/72	1500	LIQUID PRESSURE (PSIG)	212	252	296	345	399	457
LIQUID TEMPERATURE (°F)			70	79	88	97	106	114	121
LIQUID SUBCOOLING (°F)			3	5	7	9	11	13	16
SUCTION PRESSURE (PSIG)			135	139	142	145	148	150	153
SUCTION TEMPERATURE (°F)			61	61	60	60	60	60	62
SUCTION SUPERHEAT (°F)			14	12	10	9	8	7	8
OUTDOOR UNIT CURRENT (A)			12.4	13.6	15.2	17.1	19.4	21.9	24.7
COMPRESSOR CURRENT (A)			11.4	12.7	14.3	16.2	18.4	21.0	23.8
INDOOR COIL DB TEMP DROP (°F)		20	20	19	19	18	18	18	
1700		LIQUID PRESSURE (PSIG)	211	251	295	344	398	456	520
		LIQUID TEMPERATURE (°F)	70	79	88	97	105	114	121
		LIQUID SUBCOOLING (°F)	3	5	7	9	11	13	16
		SUCTION PRESSURE (PSIG)	137	141	144	147	150	152	155
		SUCTION TEMPERATURE (°F)	63	62	62	62	62	62	64
		SUCTION SUPERHEAT (°F)	15	13	11	10	9	8	9
		OUTDOOR UNIT CURRENT (A)	12.3	13.5	15.1	17.0	19.3	21.8	24.6
		COMPRESSOR CURRENT (A)	11.3	12.6	14.2	16.1	18.3	20.9	23.7
INDOOR COIL DB TEMP DROP (°F)		19	19	18	18	17	17	17	
1900		LIQUID PRESSURE (PSIG)	210	250	294	343	397	455	519
		LIQUID TEMPERATURE (°F)	70	79	88	97	105	114	121
		LIQUID SUBCOOLING (°F)	3	5	7	9	11	13	16
		SUCTION PRESSURE (PSIG)	139	143	146	149	152	154	157
		SUCTION TEMPERATURE (°F)	65	64	63	64	64	63	65
		SUCTION SUPERHEAT (°F)	16	14	12	11	10	9	10
		OUTDOOR UNIT CURRENT (A)	12.2	13.4	15.0	16.9	19.2	21.7	24.5
		COMPRESSOR CURRENT (A)	11.2	12.5	14.1	16.0	18.2	20.8	23.6
INDOOR COIL DB TEMP DROP (°F)		18	18	17	17	16	16	16	

FOR USE WITH MODELS:

YCE18B21H

TC4B1821H

RAC14L18B21S

YCE18BS21H SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	197(12)	201(13)	202(11)	204(9)
60	212(12)	215(12)	217(11)	219(10)
65	228(12)	231(12)	232(11)	236(10)
70	246(12)	248(12)	250(11)	254(10)
75	265(12)	267(12)	269(12)	273(11)
80	286(12)	287(12)	289(12)	293(11)
85	308(12)	309(12)	311(12)	315(12)
90	331(12)	332(12)	335(12)	338(12)
95	356(12)	357(12)	360(13)	363(12)
100	383(13)	383(13)	387(13)	388(13)
105	411(13)	410(13)	415(14)	416(13)
110	440(13)	440(13)	445(14)	444(13)
115	471(14)	470(14)	477(15)	474(14)
120	503(14)	502(14)	510(15)	505(14)
125	537(15)	536(15)	545(16)	538(14)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCE18B21H W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	450	LIQUID PRESSURE (PSIG)	200	230	267	309	358	413	475	542
		LIQUID TEMPERATURE (°F)	58	67	76	86	96	106	116	124
		LIQUID SUBCOOLING (°F)	12	12	12	12	13	13	14	16
		SUCTION PRESSURE (PSIG)	112	116	120	124	128	132	136	140
		SUCTION TEMPERATURE (°F)	47	50	53	57	60	64	68	74
		SUCTION SUPERHEAT (°F)	10	11	12	14	16	18	21	25
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	4.9	5.4	5.8	6.1	6.5	6.7
		COMPRESSOR CURRENT (A)	3.4	3.9	4.3	4.8	5.2	5.6	5.9	6.2
	INDOOR COIL DB TEMP DROP (°F)	29	27	26	25	24	22	21	19	
	600	LIQUID PRESSURE (PSIG)	200	230	267	309	358	413	475	542
		LIQUID TEMPERATURE (°F)	58	67	76	86	96	106	116	124
		LIQUID SUBCOOLING (°F)	12	12	12	12	13	13	14	16
		SUCTION PRESSURE (PSIG)	117	121	125	129	133	137	141	145
		SUCTION TEMPERATURE (°F)	49	52	55	59	62	66	70	76
		SUCTION SUPERHEAT (°F)	10	11	12	14	16	18	21	25
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	4.9	5.4	5.8	6.1	6.5	6.7
		COMPRESSOR CURRENT (A)	3.4	3.9	4.3	4.8	5.2	5.6	5.9	6.2
	INDOOR COIL DB TEMP DROP (°F)	26	24	23	22	21	19	18	16	
	750	LIQUID PRESSURE (PSIG)	200	230	267	309	358	413	475	542
		LIQUID TEMPERATURE (°F)	58	67	76	86	96	106	116	124
		LIQUID SUBCOOLING (°F)	12	12	12	12	13	13	14	16
		SUCTION PRESSURE (PSIG)	122	126	130	134	138	142	146	150
		SUCTION TEMPERATURE (°F)	52	54	57	61	64	68	72	78
		SUCTION SUPERHEAT (°F)	10	11	12	14	16	18	21	25
OUTDOOR UNIT CURRENT (A)		4.0	4.5	4.9	5.4	5.8	6.1	6.5	6.7	
COMPRESSOR CURRENT (A)		3.4	3.9	4.3	4.8	5.2	5.6	5.9	6.2	
INDOOR COIL DB TEMP DROP (°F)	23	21	20	19	18	16	15	13		

Continued on next page.

## YCE18B21H W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	450	LIQUID PRESSURE (PSIG)	197	228	265	308	356	411	471	537
		LIQUID TEMPERATURE (°F)	57	66	76	86	96	106	115	125
		LIQUID SUBCOOLING (°F)	12	12	12	12	12	13	14	15
		SUCTION PRESSURE (PSIG)	98	102	108	113	120	127	134	142
		SUCTION TEMPERATURE (°F)	45	48	52	56	60	64	68	73
		SUCTION SUPERHEAT (°F)	14	15	17	18	19	20	21	23
		OUTDOOR UNIT CURRENT (A)	3.9	4.4	4.8	5.2	5.6	6.0	6.4	6.8
		COMPRESSOR CURRENT (A)	3.3	3.8	4.2	4.6	5.0	5.4	5.8	6.2
	INDOOR COIL DB TEMP DROP (°F)	37	35	33	31	29	27	25	23	
	600	LIQUID PRESSURE (PSIG)	197	228	265	308	356	411	471	537
		LIQUID TEMPERATURE (°F)	57	66	76	86	96	106	115	125
		LIQUID SUBCOOLING (°F)	12	12	12	12	12	13	14	15
		SUCTION PRESSURE (PSIG)	107	111	117	122	129	136	143	151
		SUCTION TEMPERATURE (°F)	47	50	54	58	62	65	69	74
		SUCTION SUPERHEAT (°F)	12	13	15	16	17	18	19	21
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	4.9	5.3	5.7	6.1	6.5	6.9
		COMPRESSOR CURRENT (A)	3.4	3.9	4.3	4.7	5.1	5.5	5.9	6.3
	INDOOR COIL DB TEMP DROP (°F)	33	31	29	27	25	23	21	19	
	750	LIQUID PRESSURE (PSIG)	197	228	265	308	356	411	471	537
		LIQUID TEMPERATURE (°F)	57	66	76	86	96	106	115	125
		LIQUID SUBCOOLING (°F)	12	12	12	12	12	13	14	15
		SUCTION PRESSURE (PSIG)	116	120	126	131	138	145	152	160
		SUCTION TEMPERATURE (°F)	49	52	56	59	63	67	71	76
		SUCTION SUPERHEAT (°F)	10	11	13	14	15	16	17	19
OUTDOOR UNIT CURRENT (A)		4.1	4.6	5.0	5.4	5.8	6.2	6.6	7.0	
COMPRESSOR CURRENT (A)		3.5	4.0	4.4	4.8	5.2	5.6	6.0	6.4	
INDOOR COIL DB TEMP DROP (°F)	29	27	25	23	21	19	17	15		
80/62	450	LIQUID PRESSURE (PSIG)	202	232	268	310	358	411	471	537
		LIQUID TEMPERATURE (°F)	57	67	77	86	97	106	115	125
		LIQUID SUBCOOLING (°F)	13	12	12	12	12	13	14	15
		SUCTION PRESSURE (PSIG)	111	115	119	123	128	133	138	144
		SUCTION TEMPERATURE (°F)	48	51	54	57	61	65	70	75
		SUCTION SUPERHEAT (°F)	11	12	14	15	17	19	22	24
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	4.9	5.4	5.8	6.2	6.5	6.8
		COMPRESSOR CURRENT (A)	3.4	3.9	4.3	4.8	5.2	5.6	5.9	6.3
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	27	26	24	22	
	600	LIQUID PRESSURE (PSIG)	201	231	267	309	357	410	470	536
		LIQUID TEMPERATURE (°F)	57	67	76	86	96	106	115	125
		LIQUID SUBCOOLING (°F)	13	12	12	12	12	13	14	15
		SUCTION PRESSURE (PSIG)	117	121	125	129	134	139	144	150
		SUCTION TEMPERATURE (°F)	49	52	56	59	63	67	72	76
		SUCTION SUPERHEAT (°F)	10	11	13	14	16	18	21	23
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	4.9	5.4	5.8	6.2	6.5	6.8
		COMPRESSOR CURRENT (A)	3.4	3.9	4.3	4.8	5.2	5.6	5.9	6.3
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	24	23	21	19	
	750	LIQUID PRESSURE (PSIG)	200	230	266	308	356	409	469	535
		LIQUID TEMPERATURE (°F)	58	68	77	87	97	107	116	125
		LIQUID SUBCOOLING (°F)	12	11	11	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	123	127	131	135	140	145	150	156
		SUCTION TEMPERATURE (°F)	51	54	57	60	64	68	73	77
		SUCTION SUPERHEAT (°F)	9	10	12	13	15	17	20	22
OUTDOOR UNIT CURRENT (A)		4.0	4.5	4.9	5.4	5.8	6.2	6.5	6.8	
COMPRESSOR CURRENT (A)		3.4	3.9	4.3	4.8	5.2	5.6	5.9	6.3	
INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	21	20	18	16		

Continued on next page.

## YCE18B21H W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	450	LIQUID PRESSURE (PSIG)	204	234	271	313	362	417	479	547
		LIQUID TEMPERATURE (°F)	59	68	76	86	95	105	115	124
		LIQUID SUBCOOLING (°F)	12	12	13	13	14	15	16	17
		SUCTION PRESSURE (PSIG)	122	126	130	134	139	143	147	151
		SUCTION TEMPERATURE (°F)	52	54	57	60	64	66	71	74
		SUCTION SUPERHEAT (°F)	10	11	12	13	15	16	19	21
		OUTDOOR UNIT CURRENT (A)	3.9	4.4	4.9	5.4	5.9	6.3	6.7	7.0
		COMPRESSOR CURRENT (A)	3.3	3.8	4.3	4.8	5.3	5.7	6.1	6.4
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	20	19	
	600	LIQUID PRESSURE (PSIG)	202	232	269	311	360	415	477	545
		LIQUID TEMPERATURE (°F)	59	68	77	87	96	106	115	125
		LIQUID SUBCOOLING (°F)	11	11	12	12	13	14	15	16
		SUCTION PRESSURE (PSIG)	128	132	136	140	145	149	153	157
		SUCTION TEMPERATURE (°F)	54	57	59	62	66	69	73	76
		SUCTION SUPERHEAT (°F)	10	11	12	13	15	16	19	21
		OUTDOOR UNIT CURRENT (A)	3.9	4.4	4.9	5.4	5.9	6.3	6.7	7.0
		COMPRESSOR CURRENT (A)	3.3	3.8	4.3	4.8	5.3	5.7	6.1	6.4
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	18	17	
	750	LIQUID PRESSURE (PSIG)	200	230	267	309	358	413	475	543
		LIQUID TEMPERATURE (°F)	60	69	77	87	97	106	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	134	138	142	146	151	155	159	163
		SUCTION TEMPERATURE (°F)	57	59	62	64	68	71	75	79
		SUCTION SUPERHEAT (°F)	10	11	12	13	15	16	19	21
		OUTDOOR UNIT CURRENT (A)	3.9	4.4	4.9	5.4	5.9	6.3	6.7	7.0
		COMPRESSOR CURRENT (A)	3.3	3.8	4.3	4.8	5.3	5.7	6.1	6.4
	INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	16	15	
	80/72	450	LIQUID PRESSURE (PSIG)	203	235	272	314	362	415	473
LIQUID TEMPERATURE (°F)			61	69	78	86	96	106	115	125
LIQUID SUBCOOLING (°F)			10	11	12	13	13	14	15	15
SUCTION PRESSURE (PSIG)			134	138	143	147	152	156	160	165
SUCTION TEMPERATURE (°F)			58	59	62	64	68	70	74	78
SUCTION SUPERHEAT (°F)			11	11	12	12	14	15	17	20
OUTDOOR UNIT CURRENT (A)			3.7	4.3	4.9	5.4	5.9	6.4	6.9	7.3
COMPRESSOR CURRENT (A)			3.1	3.7	4.3	4.8	5.4	5.8	6.3	6.7
INDOOR COIL DB TEMP DROP (°F)		22	21	21	20	19	17	16	15	
600		LIQUID PRESSURE (PSIG)	204	236	273	315	363	416	474	538
		LIQUID TEMPERATURE (°F)	62	70	79	88	98	107	116	126
		LIQUID SUBCOOLING (°F)	9	10	11	12	12	13	14	14
		SUCTION PRESSURE (PSIG)	139	143	148	152	157	161	165	170
		SUCTION TEMPERATURE (°F)	60	61	64	66	69	72	75	80
		SUCTION SUPERHEAT (°F)	11	11	12	12	14	15	17	20
		OUTDOOR UNIT CURRENT (A)	3.7	4.3	4.9	5.4	5.9	6.4	6.9	7.3
		COMPRESSOR CURRENT (A)	3.1	3.7	4.3	4.8	5.4	5.8	6.3	6.7
INDOOR COIL DB TEMP DROP (°F)		20	19	19	18	17	15	14	13	
750		LIQUID PRESSURE (PSIG)	205	237	274	316	364	417	475	539
		LIQUID TEMPERATURE (°F)	63	71	80	89	99	108	117	127
		LIQUID SUBCOOLING (°F)	8	9	10	11	11	12	13	13
		SUCTION PRESSURE (PSIG)	144	148	153	157	162	166	170	175
		SUCTION TEMPERATURE (°F)	62	63	66	67	71	74	77	82
		SUCTION SUPERHEAT (°F)	11	11	12	12	14	15	17	20
		OUTDOOR UNIT CURRENT (A)	3.7	4.3	4.9	5.4	5.9	6.4	6.9	7.3
		COMPRESSOR CURRENT (A)	3.1	3.7	4.3	4.8	5.4	5.8	6.3	6.7
INDOOR COIL DB TEMP DROP (°F)		18	17	17	16	15	13	12	11	



FOR USE WITH MODELS:

YCE18B22S

TC4B1822S

RAC14L18B22S

YCE18BS212S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	189(5)	192(6)	195(6)	196(5)
60	199(5)	202(6)	203(5)	205(5)
65	211(4)	214(6)	215(5)	218(5)
70	227(5)	230(6)	231(6)	233(5)
75	245(5)	248(6)	249(7)	252(6)
80	269(6)	275(8)	279(9)	282(7)
85	293(7)	300(8)	304(9)	306(8)
90	319(8)	322(8)	323(9)	324(8)
95	349(9)	353(10)	354(10)	355(9)
100	382(11)	387(11)	389(11)	388(11)
105	419(12)	424(13)	426(13)	424(13)
110	458(14)	464(15)	467(15)	464(15)
115	500(17)	507(17)	511(18)	506(17)
120	548(19)	555(20)	560(20)	553(19)
125	599(22)	608(23)	613(23)	605(22)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCE18B22S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	450	LIQUID PRESSURE (PSIG)	195	217	251	297	356	427	511	610
		LIQUID TEMPERATURE (°F)	59	67	76	86	97	108	117	126
		LIQUID SUBCOOLING (°F)	9	8	8	9	11	14	19	24
		SUCTION PRESSURE (PSIG)	119	121	123	126	128	131	134	138
		SUCTION TEMPERATURE (°F)	51	52	53	54	55	55	56	56
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	10	9	8
		OUTDOOR UNIT CURRENT (A)	3.4	3.8	4.3	4.9	5.8	6.7	7.9	9.1
		COMPRESSOR CURRENT (A)	2.8	3.2	3.7	4.3	5.1	6.1	7.3	8.6
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	24	24	23	22	
	600	LIQUID PRESSURE (PSIG)	193	215	249	295	354	425	509	608
		LIQUID TEMPERATURE (°F)	60	67	77	87	98	108	117	127
		LIQUID SUBCOOLING (°F)	8	7	7	8	10	13	18	23
		SUCTION PRESSURE (PSIG)	126	128	130	133	135	138	141	145
		SUCTION TEMPERATURE (°F)	55	56	57	58	59	59	59	60
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	11	10	9
		OUTDOOR UNIT CURRENT (A)	3.3	3.7	4.2	4.8	5.7	6.6	7.8	9.0
		COMPRESSOR CURRENT (A)	2.7	3.1	3.6	4.2	5.0	6.0	7.2	8.5
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	20	20	19	18	
	750	LIQUID PRESSURE (PSIG)	191	213	247	293	352	423	507	606
		LIQUID TEMPERATURE (°F)	60	68	77	88	98	109	118	128
		LIQUID SUBCOOLING (°F)	7	6	6	7	9	12	17	22
		SUCTION PRESSURE (PSIG)	133	135	137	140	142	145	148	152
		SUCTION TEMPERATURE (°F)	59	60	61	62	63	63	63	64
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	12	11	10
OUTDOOR UNIT CURRENT (A)		3.2	3.6	4.1	4.7	5.6	6.5	7.7	8.9	
COMPRESSOR CURRENT (A)		2.6	3.0	3.5	4.1	4.9	5.9	7.1	8.4	
INDOOR COIL DB TEMP DROP (°F)	19	19	18	17	16	16	15	14		

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## YCE18B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	450	LIQUID PRESSURE (PSIG)	190	213	247	293	351	421	502	596
		LIQUID TEMPERATURE (°F)	60	68	76	87	96	107	115	124
		LIQUID SUBCOOLING (°F)	7	6	7	8	11	14	19	24
		SUCTION PRESSURE (PSIG)	109	111	114	117	121	125	130	134
		SUCTION TEMPERATURE (°F)	46	48	49	50	52	53	53	53
		SUCTION SUPERHEAT (°F)	10	11	11	11	11	10	8	6
		OUTDOOR UNIT CURRENT (A)	3.5	3.8	4.2	4.8	5.6	6.5	7.6	8.8
		COMPRESSOR CURRENT (A)	2.9	3.2	3.6	4.2	5.0	5.9	7.0	8.2
	INDOOR COIL DB TEMP DROP (°F)	35	34	33	32	31	30	29	28	
	600	LIQUID PRESSURE (PSIG)	188	211	245	291	349	419	500	594
		LIQUID TEMPERATURE (°F)	61	69	78	88	98	108	117	126
		LIQUID SUBCOOLING (°F)	5	4	5	6	9	12	17	22
		SUCTION PRESSURE (PSIG)	122	124	127	130	134	138	143	147
		SUCTION TEMPERATURE (°F)	53	55	56	57	59	59	59	59
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	11	9	7
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.1	4.7	5.5	6.4	7.5	8.7
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.1	4.9	5.8	6.9	8.1
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23	22	
	750	LIQUID PRESSURE (PSIG)	186	209	243	289	347	417	498	592
		LIQUID TEMPERATURE (°F)	62	71	79	90	99	110	119	128
		LIQUID SUBCOOLING (°F)	3	2	3	4	7	10	15	20
		SUCTION PRESSURE (PSIG)	135	137	140	143	147	151	156	160
		SUCTION TEMPERATURE (°F)	59	61	62	63	65	65	65	65
		SUCTION SUPERHEAT (°F)	12	13	13	13	13	12	10	8
		OUTDOOR UNIT CURRENT (A)	3.3	3.6	4.0	4.6	5.4	6.3	7.4	8.6
		COMPRESSOR CURRENT (A)	2.7	3.0	3.4	4.0	4.8	5.7	6.8	8.0
	INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	17	16	
	80/62	450	LIQUID PRESSURE (PSIG)	195	217	251	298	357	427	510
LIQUID TEMPERATURE (°F)			60	67	76	85	96	107	117	125
LIQUID SUBCOOLING (°F)			8	8	8	11	12	15	19	25
SUCTION PRESSURE (PSIG)			119	120	122	125	128	132	136	140
SUCTION TEMPERATURE (°F)			50	52	53	54	55	56	57	58
SUCTION SUPERHEAT (°F)			10	11	11	11	11	10	10	9
OUTDOOR UNIT CURRENT (A)			3.4	3.7	4.1	4.8	5.6	6.6	7.8	9.1
COMPRESSOR CURRENT (A)			2.8	3.1	3.5	4.2	5.0	6.0	7.2	8.5
INDOOR COIL DB TEMP DROP (°F)		31	30	30	29	28	27	26	25	
600		LIQUID PRESSURE (PSIG)	192	214	248	295	354	424	507	603
		LIQUID TEMPERATURE (°F)	61	68	77	86	98	108	118	126
		LIQUID SUBCOOLING (°F)	6	6	6	9	10	13	17	23
		SUCTION PRESSURE (PSIG)	128	129	131	134	137	141	145	149
		SUCTION TEMPERATURE (°F)	55	57	57	59	60	60	62	63
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	11	11	10
		OUTDOOR UNIT CURRENT (A)	3.3	3.6	4.0	4.7	5.5	6.5	7.7	9.0
		COMPRESSOR CURRENT (A)	2.7	3.0	3.4	4.1	4.9	5.9	7.1	8.4
INDOOR COIL DB TEMP DROP (°F)		27	26	26	25	24	23	22	21	
750		LIQUID PRESSURE (PSIG)	189	211	245	292	351	421	504	600
		LIQUID TEMPERATURE (°F)	62	69	79	87	99	110	120	128
		LIQUID SUBCOOLING (°F)	4	4	4	7	8	11	15	21
		SUCTION PRESSURE (PSIG)	137	138	140	143	146	150	154	158
		SUCTION TEMPERATURE (°F)	60	61	62	63	64	65	66	67
		SUCTION SUPERHEAT (°F)	12	13	13	13	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	3.2	3.5	3.9	4.6	5.4	6.4	7.6	8.9
		COMPRESSOR CURRENT (A)	2.6	2.9	3.3	4.0	4.8	5.8	7.0	8.3
INDOOR COIL DB TEMP DROP (°F)		23	22	22	21	20	19	18	17	

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## YCE18B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	450	LIQUID PRESSURE (PSIG)	198	218	252	298	357	429	514	611
		LIQUID TEMPERATURE (°F)	62	69	77	86	97	108	117	126
		LIQUID SUBCOOLING (°F)	7	6	7	10	11	14	19	24
		SUCTION PRESSURE (PSIG)	131	133	135	137	140	143	146	149
		SUCTION TEMPERATURE (°F)	57	58	59	60	61	63	64	66
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	3.4	3.8	4.3	4.9	5.7	6.7	7.8	9.0
		COMPRESSOR CURRENT (A)	2.8	3.1	3.7	4.3	5.1	6.1	7.2	8.4
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	24	23	22	21	
	600	LIQUID PRESSURE (PSIG)	195	215	249	295	354	426	511	608
		LIQUID TEMPERATURE (°F)	62	69	78	86	98	109	118	127
		LIQUID SUBCOOLING (°F)	6	5	6	9	10	13	18	23
		SUCTION PRESSURE (PSIG)	138	140	142	144	147	150	153	156
		SUCTION TEMPERATURE (°F)	60	61	62	63	64	66	67	68
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	3.3	3.7	4.2	4.8	5.6	6.6	7.7	8.9
		COMPRESSOR CURRENT (A)	2.7	3.0	3.6	4.2	5.0	6.0	7.1	8.3
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19	18	
	750	LIQUID PRESSURE (PSIG)	192	212	246	292	351	423	508	605
		LIQUID TEMPERATURE (°F)	62	69	78	86	98	109	118	128
		LIQUID SUBCOOLING (°F)	5	4	5	8	9	12	17	22
		SUCTION PRESSURE (PSIG)	145	147	149	151	154	157	160	163
		SUCTION TEMPERATURE (°F)	63	64	65	65	66	68	70	71
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	3.2	3.6	4.1	4.7	5.5	6.5	7.6	8.8
		COMPRESSOR CURRENT (A)	2.6	2.9	3.5	4.1	4.9	5.9	7.0	8.2
	INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	18	17	16	15	
	80/72	450	LIQUID PRESSURE (PSIG)	197	219	253	298	356	425	507
LIQUID TEMPERATURE (°F)			63	69	79	88	98	107	117	126
LIQUID SUBCOOLING (°F)			6	6	6	8	10	14	18	23
SUCTION PRESSURE (PSIG)			143	145	148	150	153	156	159	162
SUCTION TEMPERATURE (°F)			62	63	63	64	65	66	68	69
SUCTION SUPERHEAT (°F)			12	12	11	11	11	11	12	12
OUTDOOR UNIT CURRENT (A)			3.3	3.7	4.1	4.8	5.5	6.5	7.6	8.8
COMPRESSOR CURRENT (A)			2.7	3.0	3.5	4.1	4.9	5.9	7.0	8.2
INDOOR COIL DB TEMP DROP (°F)		22	21	20	20	19	18	18	17	
600		LIQUID PRESSURE (PSIG)	196	218	252	297	355	424	506	600
		LIQUID TEMPERATURE (°F)	64	70	79	88	99	108	118	127
		LIQUID SUBCOOLING (°F)	5	5	5	7	9	13	17	22
		SUCTION PRESSURE (PSIG)	149	151	154	156	159	162	165	168
		SUCTION TEMPERATURE (°F)	66	66	66	67	68	69	71	72
		SUCTION SUPERHEAT (°F)	13	13	12	12	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	3.2	3.6	4.0	4.7	5.4	6.4	7.5	8.7
		COMPRESSOR CURRENT (A)	2.6	2.9	3.4	4.0	4.8	5.8	6.9	8.1
INDOOR COIL DB TEMP DROP (°F)		19	18	17	17	16	15	15	14	
750		LIQUID PRESSURE (PSIG)	195	217	251	296	354	423	505	599
		LIQUID TEMPERATURE (°F)	64	71	80	89	100	109	119	128
		LIQUID SUBCOOLING (°F)	4	4	4	6	8	12	16	21
		SUCTION PRESSURE (PSIG)	155	157	160	162	165	168	171	174
		SUCTION TEMPERATURE (°F)	69	69	70	70	71	72	74	75
		SUCTION SUPERHEAT (°F)	14	14	13	13	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	3.1	3.5	3.9	4.6	5.3	6.3	7.4	8.6
		COMPRESSOR CURRENT (A)	2.5	2.8	3.3	3.9	4.7	5.7	6.8	8.0
INDOOR COIL DB TEMP DROP (°F)		16	15	14	14	13	12	12	11	

FOR USE WITH MODELS:

YCE24B21H  
 TC4B2421H  
 RAC14L24B21S  
 QC4B24B21S

YCE24BS21H SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	189(8)	190(8)	192(7)	192(7)
60	204(8)	205(8)	206(7)	208(7)
65	220(9)	221(8)	221(8)	224(7)
70	237(9)	238(9)	239(8)	242(7)
75	256(9)	257(9)	257(8)	261(7)
80	277(9)	277(9)	278(8)	281(7)
85	299(9)	299(9)	300(9)	302(8)
90	322(9)	323(10)	323(9)	325(8)
95	347(10)	347(10)	348(9)	349(8)
100	374(10)	374(10)	374(10)	374(8)
105	402(11)	401(11)	402(10)	400(9)
110	431(11)	431(11)	432(11)	428(9)
115	462(12)	461(11)	463(12)	457(10)
120	495(12)	494(12)	495(12)	487(10)
125	529(13)	527(12)	530(13)	519(11)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

## YCE24B21H W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	193	223	259	302	350	405	466	534
		LIQUID TEMPERATURE (°F)	59	68	76	87	96	106	115	125
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	12	13	14
		SUCTION PRESSURE (PSIG)	108	111	115	119	123	127	131	135
		SUCTION TEMPERATURE (°F)	52	53	55	57	61	65	68	74
		SUCTION SUPERHEAT (°F)	17	16	16	17	19	21	23	27
		OUTDOOR UNIT CURRENT (A)	4.9	5.6	6.2	6.8	7.3	7.9	8.3	8.8
		COMPRESSOR CURRENT (A)	4.1	4.8	5.4	6.0	6.6	7.1	7.6	8.0
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	21	19	
	800	LIQUID PRESSURE (PSIG)	191	221	257	300	348	403	464	532
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	106	116	126
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	11	12	13
		SUCTION PRESSURE (PSIG)	113	116	120	124	128	132	136	140
		SUCTION TEMPERATURE (°F)	54	54	56	59	62	66	69	75
		SUCTION SUPERHEAT (°F)	16	15	15	16	18	20	22	26
		OUTDOOR UNIT CURRENT (A)	4.9	5.6	6.2	6.8	7.3	7.9	8.3	8.8
		COMPRESSOR CURRENT (A)	4.1	4.8	5.4	6.0	6.6	7.1	7.6	8.0
	INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	18	16	
	1000	LIQUID PRESSURE (PSIG)	189	219	255	298	346	401	462	530
		LIQUID TEMPERATURE (°F)	59	68	77	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	7	7	8	8	9	10	11	12
		SUCTION PRESSURE (PSIG)	118	121	125	129	133	137	141	145
		SUCTION TEMPERATURE (°F)	55	55	57	60	63	67	70	76
		SUCTION SUPERHEAT (°F)	15	14	14	15	17	19	21	25
OUTDOOR UNIT CURRENT (A)		4.9	5.6	6.2	6.8	7.3	7.9	8.3	8.8	
COMPRESSOR CURRENT (A)		4.1	4.8	5.4	6.0	6.6	7.1	7.6	8.0	
INDOOR COIL DB TEMP DROP (°F)	21	20	19	18	17	16	15	13		

Continued on next page.

## YCE24B21H W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	600	LIQUID PRESSURE (PSIG)	192	223	259	302	350	405	465	532
		LIQUID TEMPERATURE (°F)	58	67	76	87	96	106	115	125
		LIQUID SUBCOOLING (°F)	9	10	10	10	11	12	13	14
		SUCTION PRESSURE (PSIG)	96	101	105	110	116	122	128	135
		SUCTION TEMPERATURE (°F)	48	50	53	55	60	64	69	74
		SUCTION SUPERHEAT (°F)	18	18	19	19	21	22	25	27
		OUTDOOR UNIT CURRENT (A)	5.0	5.6	6.2	6.7	7.3	7.8	8.3	8.8
		COMPRESSOR CURRENT (A)	4.2	4.8	5.4	5.9	6.5	7.0	7.5	8.1
	INDOOR COIL DB TEMP DROP (°F)	34	33	32	30	29	27	25	23	
	800	LIQUID PRESSURE (PSIG)	189	220	256	299	347	402	462	529
		LIQUID TEMPERATURE (°F)	58	67	76	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	8	9	9	9	10	11	12	13
		SUCTION PRESSURE (PSIG)	105	110	114	119	125	131	137	144
		SUCTION TEMPERATURE (°F)	50	52	55	57	62	65	71	76
		SUCTION SUPERHEAT (°F)	16	16	17	17	19	20	23	25
		OUTDOOR UNIT CURRENT (A)	5.0	5.6	6.2	6.7	7.3	7.8	8.3	8.8
		COMPRESSOR CURRENT (A)	4.2	4.8	5.4	5.9	6.5	7.0	7.5	8.1
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	26	25	23	21	19	
	1000	LIQUID PRESSURE (PSIG)	186	217	253	296	344	399	459	526
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	7	8	8	8	9	10	11	12
		SUCTION PRESSURE (PSIG)	114	119	123	128	134	140	146	153
		SUCTION TEMPERATURE (°F)	53	55	58	60	65	68	73	78
		SUCTION SUPERHEAT (°F)	15	15	16	16	18	19	22	24
		OUTDOOR UNIT CURRENT (A)	5.0	5.6	6.2	6.7	7.3	7.8	8.3	8.8
		COMPRESSOR CURRENT (A)	4.2	4.8	5.4	5.9	6.5	7.0	7.5	8.1
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	22	21	19	17	15	
	80/62	600	LIQUID PRESSURE (PSIG)	193	224	260	302	350	404	464
LIQUID TEMPERATURE (°F)			59	68	77	87	96	106	116	126
LIQUID SUBCOOLING (°F)			9	9	10	10	11	12	12	13
SUCTION PRESSURE (PSIG)			107	110	114	118	122	127	132	137
SUCTION TEMPERATURE (°F)			52	52	55	57	61	65	69	74
SUCTION SUPERHEAT (°F)			17	16	17	17	19	21	23	26
OUTDOOR UNIT CURRENT (A)			5.0	5.6	6.2	6.8	7.3	7.9	8.4	8.9
COMPRESSOR CURRENT (A)			4.2	4.8	5.4	6.0	6.6	7.1	7.6	8.1
INDOOR COIL DB TEMP DROP (°F)		31	30	29	28	27	25	24	22	
800		LIQUID PRESSURE (PSIG)	190	221	257	299	347	401	461	527
		LIQUID TEMPERATURE (°F)	59	68	77	87	96	106	117	126
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	11	11	12
		SUCTION PRESSURE (PSIG)	114	117	121	125	129	134	139	144
		SUCTION TEMPERATURE (°F)	54	54	57	59	63	67	71	76
		SUCTION SUPERHEAT (°F)	16	15	16	16	18	20	22	25
		OUTDOOR UNIT CURRENT (A)	5.0	5.6	6.2	6.8	7.3	7.9	8.4	8.9
		COMPRESSOR CURRENT (A)	4.2	4.8	5.4	6.0	6.6	7.1	7.6	8.1
INDOOR COIL DB TEMP DROP (°F)		28	27	26	25	24	22	21	19	
1000		LIQUID PRESSURE (PSIG)	187	218	254	296	344	398	458	524
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	106	117	127
		LIQUID SUBCOOLING (°F)	7	7	8	8	9	10	10	11
		SUCTION PRESSURE (PSIG)	121	124	128	132	136	141	146	151
		SUCTION TEMPERATURE (°F)	56	57	59	61	64	68	72	77
		SUCTION SUPERHEAT (°F)	15	14	15	15	17	19	21	24
		OUTDOOR UNIT CURRENT (A)	5.0	5.6	6.2	6.8	7.3	7.9	8.4	8.9
		COMPRESSOR CURRENT (A)	4.2	4.8	5.4	6.0	6.6	7.1	7.6	8.1
INDOOR COIL DB TEMP DROP (°F)		25	24	23	22	21	19	18	16	

Continued on next page.

## YCE24B21H W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	600	LIQUID PRESSURE (PSIG)	193	222	258	301	349	403	464	531
		LIQUID TEMPERATURE (°F)	60	67	77	86	97	106	115	125
		LIQUID SUBCOOLING (°F)	8	9	9	10	10	11	13	14
		SUCTION PRESSURE (PSIG)	117	122	126	130	134	138	142	146
		SUCTION TEMPERATURE (°F)	56	57	57	59	62	65	69	74
		SUCTION SUPERHEAT (°F)	17	15	14	14	15	17	19	23
		OUTDOOR UNIT CURRENT (A)	4.9	5.5	6.2	6.8	7.4	8.0	8.6	9.1
		COMPRESSOR CURRENT (A)	4.1	4.7	5.4	6.0	6.6	7.2	7.8	8.3
	INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	24	23	22	20	
	800	LIQUID PRESSURE (PSIG)	192	221	257	300	348	402	463	530
		LIQUID TEMPERATURE (°F)	60	68	78	87	98	107	116	126
		LIQUID SUBCOOLING (°F)	7	8	8	9	9	10	12	13
		SUCTION PRESSURE (PSIG)	122	127	131	135	139	143	147	151
		SUCTION TEMPERATURE (°F)	59	59	59	61	64	67	71	76
		SUCTION SUPERHEAT (°F)	17	15	14	14	15	17	19	23
		OUTDOOR UNIT CURRENT (A)	4.9	5.5	6.2	6.8	7.4	8.0	8.6	9.1
		COMPRESSOR CURRENT (A)	4.1	4.7	5.4	6.0	6.6	7.2	7.8	8.3
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	19	17	
	1000	LIQUID PRESSURE (PSIG)	191	220	256	299	347	401	462	529
		LIQUID TEMPERATURE (°F)	61	69	78	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	6	7	7	8	8	9	11	12
		SUCTION PRESSURE (PSIG)	127	132	136	140	144	148	152	156
		SUCTION TEMPERATURE (°F)	61	61	61	63	66	69	73	78
		SUCTION SUPERHEAT (°F)	17	15	14	14	15	17	19	23
		OUTDOOR UNIT CURRENT (A)	4.9	5.5	6.2	6.8	7.4	8.0	8.6	9.1
		COMPRESSOR CURRENT (A)	4.1	4.7	5.4	6.0	6.6	7.2	7.8	8.3
	INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	17	16	14	
	80/72	600	LIQUID PRESSURE (PSIG)	192	224	261	302	349	400	457
LIQUID TEMPERATURE (°F)			59	69	79	88	98	107	116	125
LIQUID SUBCOOLING (°F)			8	8	8	9	9	10	11	12
SUCTION PRESSURE (PSIG)			125	131	137	142	147	152	156	160
SUCTION TEMPERATURE (°F)			62	61	63	64	66	69	72	76
SUCTION SUPERHEAT (°F)			19	16	15	14	14	15	17	19
OUTDOOR UNIT CURRENT (A)			4.7	5.4	6.1	6.8	7.5	8.1	8.7	9.3
COMPRESSOR CURRENT (A)			3.9	4.7	5.3	6.0	6.7	7.3	8.0	8.6
INDOOR COIL DB TEMP DROP (°F)		22	22	21	20	19	19	18	17	
800		LIQUID PRESSURE (PSIG)	192	224	261	302	349	400	457	519
		LIQUID TEMPERATURE (°F)	60	70	80	89	99	108	117	126
		LIQUID SUBCOOLING (°F)	7	7	7	8	8	9	10	11
		SUCTION PRESSURE (PSIG)	130	136	142	147	152	157	161	165
		SUCTION TEMPERATURE (°F)	65	64	66	67	69	71	75	78
		SUCTION SUPERHEAT (°F)	20	17	16	15	15	16	18	20
		OUTDOOR UNIT CURRENT (A)	4.7	5.4	6.1	6.8	7.5	8.1	8.7	9.3
		COMPRESSOR CURRENT (A)	3.9	4.7	5.3	6.0	6.7	7.3	8.0	8.6
INDOOR COIL DB TEMP DROP (°F)		19	19	18	17	16	16	15	14	
1000		LIQUID PRESSURE (PSIG)	192	224	261	302	349	400	457	519
		LIQUID TEMPERATURE (°F)	61	71	81	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	6	6	6	7	7	8	9	10
		SUCTION PRESSURE (PSIG)	135	141	147	152	157	162	166	170
		SUCTION TEMPERATURE (°F)	68	67	69	70	71	74	78	81
		SUCTION SUPERHEAT (°F)	21	18	17	16	16	17	19	21
		OUTDOOR UNIT CURRENT (A)	4.7	5.4	6.1	6.8	7.5	8.1	8.7	9.3
		COMPRESSOR CURRENT (A)	3.9	4.7	5.3	6.0	6.7	7.3	8.0	8.6
INDOOR COIL DB TEMP DROP (°F)		16	16	15	14	13	13	12	11	

FOR USE WITH MODELS:

YCE24B22S

TC4B2422S

RAC14L24B22S

QC4B24B22S

YCE24BS22S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	188(3)	191(4)	192(2)	194(2)
60	202(4)	205(5)	207(3)	208(2)
65	218(5)	221(6)	223(4)	224(3)
70	236(6)	239(7)	241(5)	242(4)
75	256(7)	259(8)	260(7)	262(5)
80	277(8)	280(9)	282(8)	283(6)
85	300(9)	303(10)	305(9)	306(7)
90	325(10)	328(11)	329(10)	331(7)
95	352(11)	354(12)	356(10)	357(8)
100	380(11)	382(12)	384(11)	385(9)
105	410(12)	412(13)	414(12)	415(10)
110	442(13)	444(13)	445(13)	446(11)
115	476(13)	477(14)	479(13)	479(12)
120	512(14)	512(14)	514(14)	514(13)
125	549(15)	549(14)	550(14)	550(14)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCE24B22S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	191	221	259	303	355	413	479	550
		LIQUID TEMPERATURE (°F)	63	69	77	86	96	105	116	126
		LIQUID SUBCOOLING (°F)	4	7	9	11	12	14	15	16
		SUCTION PRESSURE (PSIG)	116	118	120	122	124	127	130	132
		SUCTION TEMPERATURE (°F)	54	55	56	57	59	61	63	65
		SUCTION SUPERHEAT (°F)	15	15	15	15	16	17	18	19
		OUTDOOR UNIT CURRENT (A)	4.9	5.3	5.9	6.7	7.6	8.7	9.9	11.3
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.9	6.8	7.9	9.1	10.5
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	24	23	22	21	
	800	LIQUID PRESSURE (PSIG)	190	220	258	302	354	412	478	549
		LIQUID TEMPERATURE (°F)	64	70	78	87	97	106	116	127
		LIQUID SUBCOOLING (°F)	3	6	8	10	11	13	14	15
		SUCTION PRESSURE (PSIG)	121	123	125	127	129	132	135	137
		SUCTION TEMPERATURE (°F)	56	57	58	59	61	63	65	67
		SUCTION SUPERHEAT (°F)	15	15	15	15	16	17	18	19
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.6	7.5	8.6	9.8	11.2
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.8	6.7	7.8	9.0	10.4
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19	18	
	1000	LIQUID PRESSURE (PSIG)	189	219	257	301	353	411	477	548
		LIQUID TEMPERATURE (°F)	64	70	79	87	98	107	117	127
		LIQUID SUBCOOLING (°F)	2	5	7	9	10	12	13	14
		SUCTION PRESSURE (PSIG)	126	128	130	132	134	137	140	142
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	65	67	69
		SUCTION SUPERHEAT (°F)	15	15	15	15	16	17	18	19
OUTDOOR UNIT CURRENT (A)		4.7	5.1	5.7	6.5	7.4	8.5	9.7	11.1	
COMPRESSOR CURRENT (A)		3.8	4.3	4.9	5.7	6.6	7.7	8.9	10.3	
INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	18	17	16	15		

Continued on next page.

## YCE24B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	600	LIQUID PRESSURE (PSIG)	188	218	256	300	352	410	476	549
		LIQUID TEMPERATURE (°F)	62	69	77	86	95	106	116	126
		LIQUID SUBCOOLING (°F)	4	6	8	10	12	13	14	16
		SUCTION PRESSURE (PSIG)	106	108	111	114	117	121	126	130
		SUCTION TEMPERATURE (°F)	49	50	52	54	55	58	60	63
		SUCTION SUPERHEAT (°F)	15	15	15	16	16	17	17	18
		OUTDOOR UNIT CURRENT (A)	4.9	5.3	5.9	6.7	7.6	8.7	9.9	11.2
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.9	6.8	7.8	9.1	10.4
	INDOOR COIL DB TEMP DROP (°F)	33	32	31	30	29	28	27	26	
	800	LIQUID PRESSURE (PSIG)	188	218	256	300	352	410	476	549
		LIQUID TEMPERATURE (°F)	63	70	78	87	96	107	117	127
		LIQUID SUBCOOLING (°F)	3	5	7	9	11	12	13	15
		SUCTION PRESSURE (PSIG)	115	117	120	123	126	130	135	139
		SUCTION TEMPERATURE (°F)	54	54	56	58	59	62	64	67
		SUCTION SUPERHEAT (°F)	15	15	15	16	16	17	17	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.6	7.5	8.6	9.8	11.1
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.8	6.7	7.7	9.0	10.3
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23	22	
	1000	LIQUID PRESSURE (PSIG)	188	218	256	300	352	410	476	549
		LIQUID TEMPERATURE (°F)	64	71	79	88	97	108	118	128
		LIQUID SUBCOOLING (°F)	2	4	6	8	10	11	12	14
		SUCTION PRESSURE (PSIG)	124	126	129	132	135	139	144	148
		SUCTION TEMPERATURE (°F)	58	58	60	62	63	66	68	70
		SUCTION SUPERHEAT (°F)	15	15	15	16	16	17	17	18
		OUTDOOR UNIT CURRENT (A)	4.7	5.1	5.7	6.5	7.4	8.5	9.7	11.0
		COMPRESSOR CURRENT (A)	3.8	4.3	4.9	5.7	6.6	7.6	8.9	10.2
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19	18	
	80/62	600	LIQUID PRESSURE (PSIG)	192	222	260	304	355	413	478
LIQUID TEMPERATURE (°F)			62	69	78	86	95	105	115	127
LIQUID SUBCOOLING (°F)			5	7	9	11	13	14	15	15
SUCTION PRESSURE (PSIG)			116	117	119	122	124	127	131	135
SUCTION TEMPERATURE (°F)			54	54	55	57	58	60	62	65
SUCTION SUPERHEAT (°F)			15	15	15	15	15	16	17	18
OUTDOOR UNIT CURRENT (A)			4.9	5.3	6.0	6.7	7.6	8.7	9.9	11.2
COMPRESSOR CURRENT (A)			4.0	4.5	5.1	5.9	6.8	7.9	9.1	10.4
INDOOR COIL DB TEMP DROP (°F)		30	29	29	28	27	27	26	25	
800		LIQUID PRESSURE (PSIG)	191	221	259	303	354	412	477	549
		LIQUID TEMPERATURE (°F)	63	70	78	87	96	106	116	128
		LIQUID SUBCOOLING (°F)	4	6	8	10	12	13	14	14
		SUCTION PRESSURE (PSIG)	122	123	125	128	130	133	137	141
		SUCTION TEMPERATURE (°F)	57	57	58	59	60	62	65	67
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.9	6.6	7.5	8.6	9.8	11.1
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.8	6.7	7.8	9.0	10.3
INDOOR COIL DB TEMP DROP (°F)		27	26	26	25	24	24	23	22	
1000		LIQUID PRESSURE (PSIG)	190	220	258	302	353	411	476	548
		LIQUID TEMPERATURE (°F)	64	71	79	88	97	107	117	128
		LIQUID SUBCOOLING (°F)	3	5	7	9	11	12	13	13
		SUCTION PRESSURE (PSIG)	128	129	131	134	136	139	143	147
		SUCTION TEMPERATURE (°F)	59	60	60	62	62	65	67	70
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	4.7	5.1	5.8	6.5	7.4	8.5	9.7	11.0
		COMPRESSOR CURRENT (A)	3.8	4.3	4.9	5.7	6.6	7.7	8.9	10.2
INDOOR COIL DB TEMP DROP (°F)		24	23	23	22	21	21	20	19	

Continued on next page.



## YCE24B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	600	LIQUID PRESSURE (PSIG)	192	223	260	305	356	414	479	550
		LIQUID TEMPERATURE (°F)	64	72	79	87	97	106	117	127
		LIQUID SUBCOOLING (°F)	3	5	8	10	11	13	14	15
		SUCTION PRESSURE (PSIG)	126	129	131	134	136	139	141	144
		SUCTION TEMPERATURE (°F)	59	60	60	62	62	65	66	69
		SUCTION SUPERHEAT (°F)	16	15	15	15	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.6	7.5	8.5	9.7	11.0
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.8	6.7	7.7	8.9	10.2
	INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	24	23	22	22	
	800	LIQUID PRESSURE (PSIG)	192	223	260	305	356	414	479	550
		LIQUID TEMPERATURE (°F)	65	73	80	88	98	107	118	128
		LIQUID SUBCOOLING (°F)	2	4	7	9	10	12	13	14
		SUCTION PRESSURE (PSIG)	131	134	136	139	141	144	146	149
		SUCTION TEMPERATURE (°F)	61	62	62	64	64	67	68	71
		SUCTION SUPERHEAT (°F)	16	15	15	15	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.6	7.5	8.5	9.7	11.0
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.8	6.7	7.7	8.9	10.2
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	21	21	20	19	19	
	1000	LIQUID PRESSURE (PSIG)	192	223	260	305	356	414	479	550
		LIQUID TEMPERATURE (°F)	66	74	81	89	99	108	119	129
		LIQUID SUBCOOLING (°F)	1	3	6	8	9	11	12	13
		SUCTION PRESSURE (PSIG)	136	139	141	144	146	149	151	154
		SUCTION TEMPERATURE (°F)	63	64	64	66	66	69	70	72
		SUCTION SUPERHEAT (°F)	16	15	15	15	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.6	7.5	8.5	9.7	11.0
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.8	6.7	7.7	8.9	10.2
	INDOOR COIL DB TEMP DROP (°F)	19	19	19	18	18	17	16	16	
	80/72	600	LIQUID PRESSURE (PSIG)	194	224	262	306	357	415	479
LIQUID TEMPERATURE (°F)			66	74	82	91	100	110	119	128
LIQUID SUBCOOLING (°F)			2	3	5	7	8	10	12	14
SUCTION PRESSURE (PSIG)			135	138	142	145	148	151	153	156
SUCTION TEMPERATURE (°F)			64	64	65	65	66	67	69	72
SUCTION SUPERHEAT (°F)			17	16	15	14	14	14	15	17
OUTDOOR UNIT CURRENT (A)			4.8	5.2	5.8	6.5	7.4	8.4	9.6	10.9
COMPRESSOR CURRENT (A)			3.9	4.4	5.0	5.7	6.6	7.6	8.8	10.1
INDOOR COIL DB TEMP DROP (°F)		21	20	20	20	19	19	18	17	
800		LIQUID PRESSURE (PSIG)	194	224	262	306	357	415	479	550
		LIQUID TEMPERATURE (°F)	66	74	82	91	100	110	119	128
		LIQUID SUBCOOLING (°F)	2	3	5	7	8	10	12	14
		SUCTION PRESSURE (PSIG)	140	143	147	150	153	156	158	161
		SUCTION TEMPERATURE (°F)	67	67	68	68	69	70	72	75
		SUCTION SUPERHEAT (°F)	18	17	16	15	15	15	16	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.5	7.4	8.4	9.6	10.9
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.7	6.6	7.6	8.8	10.1
INDOOR COIL DB TEMP DROP (°F)		18	17	17	17	16	16	15	14	
1000		LIQUID PRESSURE (PSIG)	194	224	262	306	357	415	479	550
		LIQUID TEMPERATURE (°F)	67	75	83	92	101	111	120	129
		LIQUID SUBCOOLING (°F)	1	2	4	6	7	9	11	13
		SUCTION PRESSURE (PSIG)	145	148	152	155	158	161	163	166
		SUCTION TEMPERATURE (°F)	70	70	71	71	72	73	75	78
		SUCTION SUPERHEAT (°F)	19	18	17	16	16	16	17	19
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.5	7.4	8.4	9.6	10.9
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.7	6.6	7.6	8.8	10.1
INDOOR COIL DB TEMP DROP (°F)		15	14	14	14	13	13	12	11	

FOR USE WITH MODELS:

YCE30B21H  
 TC4B3021H  
 RAC14L30B21S  
 QC4B30B21S

YCE30BS21H SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	194(9)	197(10)	200(11)	203(12)
60	208(8)	211(9)	214(10)	217(11)
65	224(8)	226(9)	230(9)	233(10)
70	242(8)	244(9)	247(9)	251(10)
75	261(8)	263(9)	266(8)	270(9)
80	282(9)	285(9)	287(8)	291(9)
85	306(9)	308(9)	310(8)	313(8)
90	331(9)	333(10)	334(9)	337(8)
95	358(10)	360(10)	360(9)	362(9)
100	387(11)	389(11)	388(9)	389(9)
105	418(11)	419(11)	418(10)	417(9)
110	451(12)	452(12)	449(11)	447(10)
115	485(13)	487(13)	482(12)	479(11)
120	522(14)	523(14)	516(13)	511(12)
125	560(16)	561(16)	553(14)	546(13)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

## YCE30B21H W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	197	226	263	308	361	421	490	567
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	12	14	16
		SUCTION PRESSURE (PSIG)	106	111	116	120	125	129	132	135
		SUCTION TEMPERATURE (°F)	53	52	51	51	53	56	59	63
		SUCTION SUPERHEAT (°F)	19	15	12	10	10	11	13	16
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.6	9.3	10.0	10.8	11.5
		COMPRESSOR CURRENT (A)	5.3	6.1	6.9	7.6	8.4	9.1	9.9	10.6
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	21	20	18	
	1000	LIQUID PRESSURE (PSIG)	197	226	263	308	361	421	490	567
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	12	14	16
		SUCTION PRESSURE (PSIG)	110	115	120	124	129	133	136	139
		SUCTION TEMPERATURE (°F)	56	55	54	54	56	58	61	66
		SUCTION SUPERHEAT (°F)	20	16	13	11	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.6	9.3	10.0	10.8	11.5
		COMPRESSOR CURRENT (A)	5.4	6.2	7.0	7.7	8.5	9.2	10.0	10.7
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18	16	
	1200	LIQUID PRESSURE (PSIG)	197	226	263	308	361	421	490	567
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	12	14	16
		SUCTION PRESSURE (PSIG)	114	119	124	128	133	137	140	143
		SUCTION TEMPERATURE (°F)	59	57	57	56	58	61	64	68
		SUCTION SUPERHEAT (°F)	21	17	14	12	12	13	15	18
OUTDOOR UNIT CURRENT (A)		6.3	7.0	7.8	8.6	9.3	10.0	10.8	11.5	
COMPRESSOR CURRENT (A)		5.5	6.3	7.1	7.8	8.6	9.3	10.1	10.8	
INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	17	16	14		

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## YCE30B21H W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	800	LIQUID PRESSURE (PSIG)	197	227	264	309	361	421	488	563
		LIQUID TEMPERATURE (°F)	59	69	79	88	98	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	10	11	12	14	17
		SUCTION PRESSURE (PSIG)	97	103	109	114	120	125	131	136
		SUCTION TEMPERATURE (°F)	47	47	48	50	53	56	60	65
		SUCTION SUPERHEAT (°F)	17	14	12	12	12	13	15	18
		OUTDOOR UNIT CURRENT (A)	6.2	6.9	7.6	8.4	9.1	9.9	10.6	11.4
		COMPRESSOR CURRENT (A)	5.3	6.0	6.8	7.5	8.3	9.1	9.8	10.6
	INDOOR COIL DB TEMP DROP (°F)	33	32	31	29	28	26	24	22	
	1000	LIQUID PRESSURE (PSIG)	194	224	261	306	358	418	485	560
		LIQUID TEMPERATURE (°F)	59	69	79	89	99	109	119	127
		LIQUID SUBCOOLING (°F)	9	8	8	9	10	11	13	16
		SUCTION PRESSURE (PSIG)	103	109	115	120	126	131	137	142
		SUCTION TEMPERATURE (°F)	51	51	52	54	56	59	64	69
		SUCTION SUPERHEAT (°F)	18	15	13	13	13	14	16	19
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.7	8.5	9.2	10.0	10.7	11.5
		COMPRESSOR CURRENT (A)	5.4	6.1	6.9	7.6	8.4	9.2	9.9	10.7
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	26	25	23	21	19	
	1200	LIQUID PRESSURE (PSIG)	191	221	258	303	355	415	482	557
		LIQUID TEMPERATURE (°F)	59	69	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	109	115	121	126	132	137	143	148
		SUCTION TEMPERATURE (°F)	55	55	55	57	60	63	67	72
		SUCTION SUPERHEAT (°F)	19	16	14	14	14	15	17	20
		OUTDOOR UNIT CURRENT (A)	6.4	7.1	7.8	8.6	9.3	10.1	10.8	11.6
		COMPRESSOR CURRENT (A)	5.5	6.2	7.0	7.7	8.5	9.3	10.0	10.8
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	23	22	20	18	16	
	80/62	800	LIQUID PRESSURE (PSIG)	200	229	266	311	363	422	490
LIQUID TEMPERATURE (°F)			59	68	78	89	99	109	118	127
LIQUID SUBCOOLING (°F)			11	10	10	10	11	12	14	17
SUCTION PRESSURE (PSIG)			106	111	117	121	126	130	134	138
SUCTION TEMPERATURE (°F)			55	53	52	52	53	56	60	64
SUCTION SUPERHEAT (°F)			21	16	13	11	10	11	13	16
OUTDOOR UNIT CURRENT (A)			6.1	6.9	7.7	8.4	9.2	10.0	10.7	11.4
COMPRESSOR CURRENT (A)			5.3	6.1	6.8	7.6	8.4	9.1	9.9	10.6
INDOOR COIL DB TEMP DROP (°F)		29	29	29	28	27	26	24	23	
1000		LIQUID PRESSURE (PSIG)	197	226	263	308	360	419	487	561
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	119	127
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	11	13	16
		SUCTION PRESSURE (PSIG)	110	115	121	125	130	134	138	142
		SUCTION TEMPERATURE (°F)	58	56	55	55	56	59	62	67
		SUCTION SUPERHEAT (°F)	22	17	14	12	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	6.2	7.0	7.8	8.5	9.3	10.1	10.8	11.5
		COMPRESSOR CURRENT (A)	5.4	6.2	6.9	7.7	8.5	9.2	10.0	10.7
INDOOR COIL DB TEMP DROP (°F)		26	26	26	25	24	23	21	20	
1200		LIQUID PRESSURE (PSIG)	194	223	260	305	357	416	484	558
		LIQUID TEMPERATURE (°F)	59	69	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	9	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	114	119	125	129	134	138	142	146
		SUCTION TEMPERATURE (°F)	61	58	58	58	59	61	65	69
		SUCTION SUPERHEAT (°F)	23	18	15	13	12	13	15	18
		OUTDOOR UNIT CURRENT (A)	6.3	7.1	7.9	8.6	9.4	10.2	10.9	11.6
		COMPRESSOR CURRENT (A)	5.5	6.3	7.0	7.8	8.6	9.3	10.1	10.8
INDOOR COIL DB TEMP DROP (°F)		23	23	23	22	21	20	18	17	

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## YCE30B21H W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	800	LIQUID PRESSURE (PSIG)	200	230	266	310	360	418	482	553
		LIQUID TEMPERATURE (°F)	59	70	80	90	100	110	119	128
		LIQUID SUBCOOLING (°F)	11	9	8	8	9	10	12	14
		SUCTION PRESSURE (PSIG)	111	119	127	133	138	142	146	148
		SUCTION TEMPERATURE (°F)	63	59	59	58	58	60	63	67
		SUCTION SUPERHEAT (°F)	26	19	15	12	10	10	12	15
		OUTDOOR UNIT CURRENT (A)	6.3	7.1	7.9	8.7	9.5	10.3	11.1	11.8
		COMPRESSOR CURRENT (A)	5.4	6.2	7.0	7.9	8.7	9.5	10.3	11.0
	INDOOR COIL DB TEMP DROP (°F)	23	24	23	23	22	22	20	19	
	1000	LIQUID PRESSURE (PSIG)	200	230	266	310	360	418	482	553
		LIQUID TEMPERATURE (°F)	59	70	80	90	100	110	119	128
		LIQUID SUBCOOLING (°F)	11	9	8	8	9	10	12	14
		SUCTION PRESSURE (PSIG)	114	122	130	136	141	145	149	151
		SUCTION TEMPERATURE (°F)	65	62	61	60	60	62	66	69
		SUCTION SUPERHEAT (°F)	27	20	16	13	11	11	13	16
		OUTDOOR UNIT CURRENT (A)	6.3	7.1	7.9	8.7	9.5	10.3	11.1	11.8
		COMPRESSOR CURRENT (A)	5.4	6.2	7.0	7.9	8.7	9.5	10.3	11.0
	INDOOR COIL DB TEMP DROP (°F)	21	22	21	21	20	20	18	17	
	1200	LIQUID PRESSURE (PSIG)	200	230	266	310	360	418	482	553
		LIQUID TEMPERATURE (°F)	59	70	80	90	100	110	119	128
		LIQUID SUBCOOLING (°F)	11	9	8	8	9	10	12	14
		SUCTION PRESSURE (PSIG)	117	125	133	139	144	148	152	154
		SUCTION TEMPERATURE (°F)	67	64	63	63	63	64	68	71
		SUCTION SUPERHEAT (°F)	28	21	17	14	12	12	14	17
		OUTDOOR UNIT CURRENT (A)	6.3	7.1	7.9	8.7	9.5	10.3	11.1	11.8
		COMPRESSOR CURRENT (A)	5.4	6.2	7.0	7.9	8.7	9.5	10.3	11.0
	INDOOR COIL DB TEMP DROP (°F)	19	20	19	19	18	18	16	15	
	80/72	800	LIQUID PRESSURE (PSIG)	202	232	269	312	361	416	478
LIQUID TEMPERATURE (°F)			58	69	80	91	100	111	119	128
LIQUID SUBCOOLING (°F)			12	10	9	8	9	9	11	13
SUCTION PRESSURE (PSIG)			115	125	134	142	148	154	158	161
SUCTION TEMPERATURE (°F)			68	66	65	65	65	66	68	70
SUCTION SUPERHEAT (°F)			29	23	18	15	13	12	12	13
OUTDOOR UNIT CURRENT (A)			6.3	7.1	7.9	8.8	9.6	10.5	11.3	12.2
COMPRESSOR CURRENT (A)			5.4	6.3	7.1	7.9	8.8	9.7	10.5	11.4
INDOOR COIL DB TEMP DROP (°F)		19	19	19	19	18	18	17	16	
1000		LIQUID PRESSURE (PSIG)	203	233	270	313	362	417	479	546
		LIQUID TEMPERATURE (°F)	59	69	80	91	100	111	120	128
		LIQUID SUBCOOLING (°F)	12	10	9	8	9	9	11	13
		SUCTION PRESSURE (PSIG)	118	128	137	145	151	157	161	164
		SUCTION TEMPERATURE (°F)	70	68	67	67	67	68	70	72
		SUCTION SUPERHEAT (°F)	30	24	19	16	14	13	13	14
		OUTDOOR UNIT CURRENT (A)	6.3	7.1	7.9	8.8	9.6	10.5	11.3	12.2
		COMPRESSOR CURRENT (A)	5.4	6.3	7.1	7.9	8.8	9.7	10.5	11.4
INDOOR COIL DB TEMP DROP (°F)		17	17	17	17	16	16	15	14	
1200		LIQUID PRESSURE (PSIG)	204	234	271	314	363	418	480	547
		LIQUID TEMPERATURE (°F)	59	70	80	91	101	111	120	128
		LIQUID SUBCOOLING (°F)	12	10	9	8	9	9	11	13
		SUCTION PRESSURE (PSIG)	121	131	140	148	154	160	164	167
		SUCTION TEMPERATURE (°F)	72	70	69	69	69	71	72	74
		SUCTION SUPERHEAT (°F)	31	25	20	17	15	14	14	15
		OUTDOOR UNIT CURRENT (A)	6.3	7.1	7.9	8.8	9.6	10.5	11.3	12.2
		COMPRESSOR CURRENT (A)	5.4	6.3	7.1	7.9	8.8	9.7	10.5	11.4
INDOOR COIL DB TEMP DROP (°F)		15	15	15	15	14	14	13	12	

FOR USE WITH MODELS:

YCE30B22S

TC4B3022S

RAC14L30B22S

QC4B30B22S

YCE30BS22S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	203(7)	205(9)	209(10)	214(13)
60	214(7)	216(8)	220(10)	224(12)
65	228(7)	229(8)	233(9)	237(11)
70	243(8)	245(9)	249(9)	253(11)
75	262(8)	263(9)	267(9)	271(10)
80	283(9)	284(9)	288(10)	291(10)
85	306(10)	307(10)	311(10)	314(10)
90	332(11)	333(11)	336(11)	339(11)
95	360(12)	361(12)	364(12)	366(11)
100	393(13)	394(13)	397(13)	398(12)
105	429(15)	430(14)	433(14)	433(14)
110	466(16)	467(16)	471(16)	470(15)
115	507(18)	509(17)	512(18)	510(17)
120	550(19)	551(19)	554(19)	552(19)
125	596(21)	598(21)	601(22)	597(21)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCE30B22S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	208	231	264	309	365	432	510	599
		LIQUID TEMPERATURE (°F)	63	70	78	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	16	19	23
		SUCTION PRESSURE (PSIG)	119	121	123	126	128	131	133	136
		SUCTION TEMPERATURE (°F)	52	52	52	52	53	54	56	58
		SUCTION SUPERHEAT (°F)	12	11	10	9	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	6.0	6.4	7.1	8.1	9.2	10.7	12.4	14.3
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.3	8.5	9.9	11.6	13.5
	INDOOR COIL DB TEMP DROP (°F)	25	24	22	21	21	20	20	20	
	1000	LIQUID PRESSURE (PSIG)	207	230	263	308	364	431	509	598
		LIQUID TEMPERATURE (°F)	63	70	77	87	97	106	116	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	16	19	23
		SUCTION PRESSURE (PSIG)	123	125	127	130	132	135	137	140
		SUCTION TEMPERATURE (°F)	54	54	54	54	55	56	58	60
		SUCTION SUPERHEAT (°F)	12	11	10	9	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.3	7.0	8.0	9.1	10.6	12.3	14.2
		COMPRESSOR CURRENT (A)	5.0	5.5	6.2	7.2	8.4	9.8	11.5	13.4
	INDOOR COIL DB TEMP DROP (°F)	23	22	20	19	19	18	18	18	
	1200	LIQUID PRESSURE (PSIG)	206	229	262	307	363	430	508	597
		LIQUID TEMPERATURE (°F)	63	69	77	87	97	106	116	125
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	16	19	23
		SUCTION PRESSURE (PSIG)	127	129	131	134	136	139	141	144
		SUCTION TEMPERATURE (°F)	56	56	55	56	56	58	59	62
		SUCTION SUPERHEAT (°F)	12	11	10	9	9	9	10	11
OUTDOOR UNIT CURRENT (A)		5.8	6.2	6.9	7.9	9.0	10.5	12.2	14.1	
COMPRESSOR CURRENT (A)		4.9	5.4	6.1	7.1	8.3	9.7	11.4	13.3	
INDOOR COIL DB TEMP DROP (°F)	21	20	18	17	17	16	16	16		

Continued on next page.

## YCE30B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	800	LIQUID PRESSURE (PSIG)	204	230	264	308	362	431	509	598
		LIQUID TEMPERATURE (°F)	63	71	79	87	96	106	116	127
		LIQUID SUBCOOLING (°F)	8	8	9	11	13	16	19	22
		SUCTION PRESSURE (PSIG)	110	113	116	119	123	127	131	135
		SUCTION TEMPERATURE (°F)	49	50	50	51	53	55	56	58
		SUCTION SUPERHEAT (°F)	13	12	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.1	9.2	10.5	12.1	13.8
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.3	8.4	9.8	11.3	13.1
	INDOOR COIL DB TEMP DROP (°F)	33	32	31	30	29	28	26	25	
	1000	LIQUID PRESSURE (PSIG)	202	228	262	306	360	429	507	596
		LIQUID TEMPERATURE (°F)	63	71	79	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	7	7	8	10	12	15	18	21
		SUCTION PRESSURE (PSIG)	117	120	123	126	130	134	138	142
		SUCTION TEMPERATURE (°F)	52	53	53	54	56	58	59	61
		SUCTION SUPERHEAT (°F)	13	12	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.8	6.3	7.0	8.0	9.1	10.4	12.0	13.7
		COMPRESSOR CURRENT (A)	5.0	5.5	6.2	7.2	8.3	9.7	11.2	13.0
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	23	22	
	1200	LIQUID PRESSURE (PSIG)	200	226	260	304	358	427	505	594
		LIQUID TEMPERATURE (°F)	64	71	80	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	6	6	7	9	11	14	17	20
		SUCTION PRESSURE (PSIG)	124	127	130	133	137	141	145	149
		SUCTION TEMPERATURE (°F)	56	56	56	57	59	60	62	64
		SUCTION SUPERHEAT (°F)	13	12	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.7	6.2	6.9	7.9	9.0	10.3	11.9	13.6
		COMPRESSOR CURRENT (A)	4.9	5.4	6.1	7.1	8.2	9.6	11.1	12.9
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	20	19	
	80/62	800	LIQUID PRESSURE (PSIG)	207	231	265	309	363	432	511
LIQUID TEMPERATURE (°F)			62	70	78	87	97	108	118	127
LIQUID SUBCOOLING (°F)			10	9	10	11	13	15	18	22
SUCTION PRESSURE (PSIG)			118	120	123	125	128	131	134	138
SUCTION TEMPERATURE (°F)			53	53	53	53	54	55	57	59
SUCTION SUPERHEAT (°F)			13	12	11	10	10	10	10	11
OUTDOOR UNIT CURRENT (A)			5.9	6.4	7.1	8.0	9.2	10.5	12.1	13.8
COMPRESSOR CURRENT (A)			5.1	5.6	6.3	7.2	8.4	9.7	11.3	13.1
INDOOR COIL DB TEMP DROP (°F)		29	29	29	28	27	26	25	23	
1000		LIQUID PRESSURE (PSIG)	205	229	263	307	361	430	509	599
		LIQUID TEMPERATURE (°F)	62	70	78	88	97	108	118	128
		LIQUID SUBCOOLING (°F)	9	8	9	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	123	125	128	130	133	136	139	143
		SUCTION TEMPERATURE (°F)	55	55	55	55	56	57	59	61
		SUCTION SUPERHEAT (°F)	13	12	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	5.8	6.3	7.0	7.9	9.1	10.4	12.0	13.7
		COMPRESSOR CURRENT (A)	5.0	5.5	6.2	7.1	8.3	9.6	11.2	13.0
INDOOR COIL DB TEMP DROP (°F)		27	27	27	26	25	24	23	21	
1200		LIQUID PRESSURE (PSIG)	203	227	261	305	359	428	507	597
		LIQUID TEMPERATURE (°F)	63	71	79	88	98	109	119	128
		LIQUID SUBCOOLING (°F)	8	7	8	9	11	13	16	20
		SUCTION PRESSURE (PSIG)	128	130	133	135	138	141	144	148
		SUCTION TEMPERATURE (°F)	57	57	57	57	58	59	61	63
		SUCTION SUPERHEAT (°F)	13	12	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	5.7	6.2	6.9	7.8	9.0	10.3	11.9	13.6
		COMPRESSOR CURRENT (A)	4.9	5.4	6.1	7.0	8.2	9.5	11.1	12.9
INDOOR COIL DB TEMP DROP (°F)		25	25	25	24	23	22	21	19	

Continued on next page.

## YCE30B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	800	LIQUID PRESSURE (PSIG)	209	233	267	311	364	433	512	601
		LIQUID TEMPERATURE (°F)	63	70	79	89	98	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	10	12	14	18	22
		SUCTION PRESSURE (PSIG)	128	131	135	138	140	143	145	148
		SUCTION TEMPERATURE (°F)	58	57	57	57	57	58	59	61
		SUCTION SUPERHEAT (°F)	14	12	10	9	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.0	9.1	10.4	11.9	13.7
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.3	9.6	11.2	12.9
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	23	22	22	21	
	1000	LIQUID PRESSURE (PSIG)	209	233	267	311	364	433	512	601
		LIQUID TEMPERATURE (°F)	63	70	79	89	98	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	10	12	14	18	22
		SUCTION PRESSURE (PSIG)	132	135	139	142	144	147	149	152
		SUCTION TEMPERATURE (°F)	61	60	60	60	60	61	62	64
		SUCTION SUPERHEAT (°F)	15	13	11	10	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.0	9.1	10.4	11.9	13.7
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.3	9.6	11.2	12.9
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	21	20	20	19	
	1200	LIQUID PRESSURE (PSIG)	209	233	267	311	364	433	512	601
		LIQUID TEMPERATURE (°F)	63	70	79	89	98	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	10	12	14	18	22
		SUCTION PRESSURE (PSIG)	136	139	143	146	148	151	153	156
		SUCTION TEMPERATURE (°F)	63	63	62	62	62	63	64	66
		SUCTION SUPERHEAT (°F)	16	14	12	11	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.0	9.1	10.4	11.9	13.7
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.3	9.6	11.2	12.9
	INDOOR COIL DB TEMP DROP (°F)	20	20	20	20	19	18	18	17	
	80/72	800	LIQUID PRESSURE (PSIG)	213	236	270	313	365	432	509
LIQUID TEMPERATURE (°F)			61	69	79	89	99	109	118	127
LIQUID SUBCOOLING (°F)			13	11	10	10	11	14	17	21
SUCTION PRESSURE (PSIG)			135	141	146	150	154	157	159	161
SUCTION TEMPERATURE (°F)			66	64	63	63	63	63	64	67
SUCTION SUPERHEAT (°F)			19	15	12	10	9	8	8	10
OUTDOOR UNIT CURRENT (A)			5.9	6.4	7.1	8.0	9.1	10.4	11.8	13.4
COMPRESSOR CURRENT (A)			5.1	5.6	6.3	7.2	8.3	9.6	11.0	12.7
INDOOR COIL DB TEMP DROP (°F)		20	19	19	19	19	18	17	17	
1000		LIQUID PRESSURE (PSIG)	214	237	271	314	366	433	510	597
		LIQUID TEMPERATURE (°F)	61	69	79	89	99	109	119	127
		LIQUID SUBCOOLING (°F)	13	11	10	10	11	14	17	21
		SUCTION PRESSURE (PSIG)	138	144	149	153	157	160	162	164
		SUCTION TEMPERATURE (°F)	67	66	65	64	64	65	65	68
		SUCTION SUPERHEAT (°F)	19	15	12	10	9	8	8	10
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.0	9.1	10.4	11.8	13.4
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.3	9.6	11.0	12.7
INDOOR COIL DB TEMP DROP (°F)		18	17	17	17	17	16	15	15	
1200		LIQUID PRESSURE (PSIG)	215	238	272	315	367	434	511	598
		LIQUID TEMPERATURE (°F)	61	70	80	90	99	109	119	128
		LIQUID SUBCOOLING (°F)	13	11	10	10	11	14	17	21
		SUCTION PRESSURE (PSIG)	141	147	152	156	160	163	165	167
		SUCTION TEMPERATURE (°F)	68	67	66	65	66	66	66	69
		SUCTION SUPERHEAT (°F)	19	15	12	10	9	8	8	10
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.0	9.1	10.4	11.8	13.4
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.3	9.6	11.0	12.7
INDOOR COIL DB TEMP DROP (°F)		16	15	15	15	15	14	13	13	

FOR USE WITH MODELS:

YCE36B21H  
 TC4B3621H  
 RAC14L36B21S  
 QC4B36B21S

YCE36BS21H SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	194(9)	195(9)	197(10)	196(9)
60	209(9)	211(10)	213(10)	212(9)
65	226(9)	228(10)	230(10)	230(9)
70	245(10)	247(10)	249(10)	249(9)
75	265(10)	267(10)	269(10)	269(9)
80	287(10)	289(10)	290(10)	290(9)
85	310(11)	312(11)	313(11)	313(9)
90	335(11)	336(11)	337(11)	337(10)
95	361(11)	363(11)	363(11)	363(10)
100	389(12)	390(12)	390(11)	389(10)
105	418(12)	419(12)	419(12)	417(11)
110	449(12)	450(13)	449(12)	447(11)
115	482(13)	482(13)	481(13)	477(11)
120	516(13)	516(13)	514(13)	509(12)
125	551(14)	551(14)	548(14)	542(12)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

## YCE36B21H W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	198	231	271	316	368	425	489	558
		LIQUID TEMPERATURE (°F)	60	69	78	89	99	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	11	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	116	117	119	122	125	129	134	140
		SUCTION TEMPERATURE (°F)	48	50	52	54	56	57	58	59
		SUCTION SUPERHEAT (°F)	9	11	12	12	13	12	11	10
		OUTDOOR UNIT CURRENT (A)	7.4	8.4	9.3	10.2	11.1	12.0	12.8	13.6
		COMPRESSOR CURRENT (A)	6.3	7.3	8.2	9.1	10.0	10.9	11.7	12.5
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	20	19	
	1200	LIQUID PRESSURE (PSIG)	196	229	269	314	366	423	487	556
		LIQUID TEMPERATURE (°F)	60	68	78	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	11	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	120	121	123	126	129	133	138	144
		SUCTION TEMPERATURE (°F)	50	52	54	55	58	58	59	61
		SUCTION SUPERHEAT (°F)	9	11	12	12	13	12	11	10
		OUTDOOR UNIT CURRENT (A)	7.4	8.4	9.3	10.2	11.1	12.0	12.8	13.6
		COMPRESSOR CURRENT (A)	6.3	7.3	8.2	9.1	10.0	10.9	11.7	12.5
	INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	18	17	
	1400	LIQUID PRESSURE (PSIG)	194	227	267	312	364	421	485	554
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	11	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	124	125	127	130	133	137	142	148
		SUCTION TEMPERATURE (°F)	52	54	56	57	59	60	61	62
		SUCTION SUPERHEAT (°F)	9	11	12	12	13	12	11	10
OUTDOOR UNIT CURRENT (A)		7.4	8.4	9.3	10.2	11.1	12.0	12.8	13.6	
COMPRESSOR CURRENT (A)		6.3	7.3	8.2	9.1	10.0	10.9	11.7	12.5	
INDOOR COIL DB TEMP DROP (°F)	21	20	19	18	17	16	16	15		

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## YCE36B21H W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1000	LIQUID PRESSURE (PSIG)	196	228	267	312	363	420	484	553
		LIQUID TEMPERATURE (°F)	59	68	77	87	98	108	117	127
		LIQUID SUBCOOLING (°F)	10	10	11	12	12	13	14	15
		SUCTION PRESSURE (PSIG)	105	108	111	115	120	126	133	141
		SUCTION TEMPERATURE (°F)	45	48	51	54	56	58	60	62
		SUCTION SUPERHEAT (°F)	11	13	14	15	15	15	14	13
		OUTDOOR UNIT CURRENT (A)	7.5	8.3	9.2	10.1	11.0	11.9	12.8	13.8
		COMPRESSOR CURRENT (A)	6.3	7.2	8.1	9.0	9.9	10.8	11.7	12.7
	INDOOR COIL DB TEMP DROP (°F)	32	30	28	27	25	24	22	21	
	1200	LIQUID PRESSURE (PSIG)	194	226	265	310	361	418	482	551
		LIQUID TEMPERATURE (°F)	59	68	78	87	98	108	118	128
		LIQUID SUBCOOLING (°F)	9	9	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	111	114	117	121	126	132	139	147
		SUCTION TEMPERATURE (°F)	47	50	52	55	57	60	62	64
		SUCTION SUPERHEAT (°F)	10	12	13	14	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	7.5	8.3	9.2	10.1	11.0	11.9	12.8	13.8
		COMPRESSOR CURRENT (A)	6.3	7.2	8.1	9.0	9.9	10.8	11.7	12.7
	INDOOR COIL DB TEMP DROP (°F)	30	28	26	25	23	22	20	19	
	1400	LIQUID PRESSURE (PSIG)	192	224	263	308	359	416	480	549
		LIQUID TEMPERATURE (°F)	59	69	78	88	99	109	119	129
		LIQUID SUBCOOLING (°F)	8	8	9	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	117	120	123	127	132	138	145	153
		SUCTION TEMPERATURE (°F)	48	52	54	57	59	61	63	65
		SUCTION SUPERHEAT (°F)	9	11	12	13	13	13	12	11
		OUTDOOR UNIT CURRENT (A)	7.5	8.3	9.2	10.1	11.0	11.9	12.8	13.8
		COMPRESSOR CURRENT (A)	6.3	7.2	8.1	9.0	9.9	10.8	11.7	12.7
	INDOOR COIL DB TEMP DROP (°F)	28	26	24	23	21	20	18	17	
	80/62	1000	LIQUID PRESSURE (PSIG)	197	230	269	314	365	421	484
LIQUID TEMPERATURE (°F)			59	68	78	87	98	108	117	127
LIQUID SUBCOOLING (°F)			10	11	11	12	12	13	14	15
SUCTION PRESSURE (PSIG)			116	117	119	122	126	131	137	144
SUCTION TEMPERATURE (°F)			49	50	53	55	57	59	61	63
SUCTION SUPERHEAT (°F)			10	11	13	13	14	14	13	12
OUTDOOR UNIT CURRENT (A)			7.4	8.3	9.3	10.2	11.1	12.0	12.9	13.7
COMPRESSOR CURRENT (A)			6.3	7.2	8.2	9.1	10.0	10.9	11.8	12.7
INDOOR COIL DB TEMP DROP (°F)		29	28	27	25	24	23	22	21	
1200		LIQUID PRESSURE (PSIG)	195	228	267	312	363	419	482	551
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	120	121	123	126	130	135	141	148
		SUCTION TEMPERATURE (°F)	51	52	55	56	59	61	62	64
		SUCTION SUPERHEAT (°F)	10	11	13	13	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	7.4	8.3	9.3	10.2	11.1	12.0	12.9	13.7
		COMPRESSOR CURRENT (A)	6.3	7.2	8.2	9.1	10.0	10.9	11.8	12.7
INDOOR COIL DB TEMP DROP (°F)		27	26	25	23	22	21	20	19	
1400		LIQUID PRESSURE (PSIG)	193	226	265	310	361	417	480	549
		LIQUID TEMPERATURE (°F)	59	67	78	87	98	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	124	125	127	130	134	139	145	152
		SUCTION TEMPERATURE (°F)	53	54	57	58	61	63	64	66
		SUCTION SUPERHEAT (°F)	10	11	13	13	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	7.4	8.3	9.3	10.2	11.1	12.0	12.9	13.7
		COMPRESSOR CURRENT (A)	6.3	7.2	8.2	9.1	10.0	10.9	11.8	12.7
INDOOR COIL DB TEMP DROP (°F)		25	24	23	21	20	19	18	17	

Continued on next page.

## YCE36B21H W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1000	LIQUID PRESSURE (PSIG)	198	231	270	314	364	420	482	549
		LIQUID TEMPERATURE (°F)	59	69	79	88	99	109	118	128
		LIQUID SUBCOOLING (°F)	10	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	125	129	132	136	140	144	148	153
		SUCTION TEMPERATURE (°F)	57	57	56	56	58	60	61	64
		SUCTION SUPERHEAT (°F)	14	12	10	9	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	7.3	8.3	9.3	10.3	11.3	12.2	13.1	14.0
		COMPRESSOR CURRENT (A)	6.2	7.2	8.2	9.2	10.2	11.1	12.0	12.9
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	21	20	19	
	1200	LIQUID PRESSURE (PSIG)	197	230	269	313	363	419	481	548
		LIQUID TEMPERATURE (°F)	59	69	79	88	99	108	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	128	132	135	139	143	147	151	156
		SUCTION TEMPERATURE (°F)	59	59	58	59	60	62	63	66
		SUCTION SUPERHEAT (°F)	15	13	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	7.3	8.3	9.3	10.3	11.3	12.2	13.1	14.0
		COMPRESSOR CURRENT (A)	6.2	7.2	8.2	9.2	10.2	11.1	12.0	12.9
	INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	19	18	17	
	1400	LIQUID PRESSURE (PSIG)	196	229	268	312	362	418	480	547
		LIQUID TEMPERATURE (°F)	59	68	79	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	131	135	138	142	146	150	154	159
		SUCTION TEMPERATURE (°F)	61	61	60	61	62	64	65	68
		SUCTION SUPERHEAT (°F)	16	14	12	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	7.3	8.3	9.3	10.3	11.3	12.2	13.1	14.0
		COMPRESSOR CURRENT (A)	6.2	7.2	8.2	9.2	10.2	11.1	12.0	12.9
	INDOOR COIL DB TEMP DROP (°F)	21	20	19	18	17	17	16	15	
	80/72	1000	LIQUID PRESSURE (PSIG)	197	231	270	314	364	418	478
LIQUID TEMPERATURE (°F)			60	70	80	90	100	109	119	129
LIQUID SUBCOOLING (°F)			9	9	9	9	10	11	11	12
SUCTION PRESSURE (PSIG)			117	130	140	149	155	160	162	163
SUCTION TEMPERATURE (°F)			49	55	59	63	65	67	67	68
SUCTION SUPERHEAT (°F)			10	10	10	10	10	10	10	10
OUTDOOR UNIT CURRENT (A)			7.4	8.3	9.3	10.3	11.4	12.4	13.4	14.5
COMPRESSOR CURRENT (A)			6.2	7.2	8.2	9.3	10.3	11.3	12.4	13.5
INDOOR COIL DB TEMP DROP (°F)		29	24	21	18	16	15	15	15	
1200		LIQUID PRESSURE (PSIG)	196	230	269	313	363	417	477	542
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	11	11	12
		SUCTION PRESSURE (PSIG)	121	134	144	153	159	164	166	167
		SUCTION TEMPERATURE (°F)	51	57	61	64	66	68	69	69
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	7.4	8.3	9.3	10.3	11.4	12.4	13.4	14.5
		COMPRESSOR CURRENT (A)	6.2	7.2	8.2	9.3	10.3	11.3	12.4	13.5
INDOOR COIL DB TEMP DROP (°F)		27	22	19	16	14	13	13	13	
1400		LIQUID PRESSURE (PSIG)	195	229	268	312	362	416	476	541
		LIQUID TEMPERATURE (°F)	59	69	80	90	99	109	119	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	11	11	12
		SUCTION PRESSURE (PSIG)	125	138	148	157	163	168	170	171
		SUCTION TEMPERATURE (°F)	53	58	62	65	68	69	70	70
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	7.4	8.3	9.3	10.3	11.4	12.4	13.4	14.5
		COMPRESSOR CURRENT (A)	6.2	7.2	8.2	9.3	10.3	11.3	12.4	13.5
INDOOR COIL DB TEMP DROP (°F)		25	20	17	14	12	11	11	11	

FOR USE WITH MODELS:

YCE36B22S

TC4B3622S

RAC14L36B22S

QC4B36B22S

YCE36BS22S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	190(8)	191(8)	193(8)	195(9)
60	205(8)	206(8)	208(8)	210(9)
65	221(8)	222(8)	224(8)	226(8)
70	240(8)	241(9)	243(8)	244(8)
75	260(8)	261(9)	263(8)	265(8)
80	282(8)	283(10)	287(9)	289(8)
85	306(9)	307(10)	311(9)	313(8)
90	332(10)	333(11)	335(10)	337(9)
95	360(10)	360(12)	363(11)	365(10)
100	389(11)	390(13)	393(12)	395(11)
105	420(12)	421(14)	424(13)	427(12)
110	453(14)	454(15)	458(14)	461(14)
115	489(15)	489(16)	494(16)	498(16)
120	528(17)	528(17)	533(18)	538(18)
125	570(18)	569(18)	576(19)	581(20)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCE36B22S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	191	223	262	308	362	423	492	569
		LIQUID TEMPERATURE (°F)	59	68	77	87	96	107	116	125
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	14	17	19
		SUCTION PRESSURE (PSIG)	117	119	122	124	127	129	132	134
		SUCTION TEMPERATURE (°F)	50	51	52	53	54	55	56	57
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	7.3	8.0	8.9	10.0	11.3	12.8	14.5	16.4
		COMPRESSOR CURRENT (A)	6.2	6.9	7.8	8.9	10.2	11.7	13.5	15.4
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	24	23	22	22	21	
	1200	LIQUID PRESSURE (PSIG)	191	223	262	308	362	423	492	569
		LIQUID TEMPERATURE (°F)	59	68	77	87	96	107	116	125
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	14	17	19
		SUCTION PRESSURE (PSIG)	120	122	125	127	130	132	135	137
		SUCTION TEMPERATURE (°F)	52	53	53	54	55	56	57	58
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	7.3	8.0	8.9	10.0	11.3	12.8	14.5	16.4
		COMPRESSOR CURRENT (A)	6.2	6.9	7.8	8.9	10.2	11.7	13.5	15.4
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	20	19	
	1400	LIQUID PRESSURE (PSIG)	191	223	262	308	362	423	492	569
		LIQUID TEMPERATURE (°F)	59	68	77	87	96	107	116	125
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	14	17	19
		SUCTION PRESSURE (PSIG)	123	125	128	130	133	135	138	140
		SUCTION TEMPERATURE (°F)	53	54	54	55	56	57	58	59
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	10	10	10
OUTDOOR UNIT CURRENT (A)		7.3	8.0	8.9	10.0	11.3	12.8	14.5	16.4	
COMPRESSOR CURRENT (A)		6.2	6.9	7.8	8.9	10.2	11.7	13.5	15.4	
INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	18	17		

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## YCE36B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1000	LIQUID PRESSURE (PSIG)	190	221	260	306	360	420	489	570
		LIQUID TEMPERATURE (°F)	58	67	78	88	98	108	116	126
		LIQUID SUBCOOLING (°F)	9	9	9	10	11	13	16	19
		SUCTION PRESSURE (PSIG)	109	112	116	120	124	127	131	135
		SUCTION TEMPERATURE (°F)	47	47	48	50	52	53	55	58
		SUCTION SUPERHEAT (°F)	11	10	9	9	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	7.2	8.0	9.0	10.1	11.4	12.9	14.5	16.3
		COMPRESSOR CURRENT (A)	6.1	6.9	7.9	9.0	10.3	11.8	13.4	15.2
	INDOOR COIL DB TEMP DROP (°F)	32	32	31	30	29	27	26	25	
	1200	LIQUID PRESSURE (PSIG)	190	221	260	306	360	420	489	570
		LIQUID TEMPERATURE (°F)	59	68	79	89	99	109	117	127
		LIQUID SUBCOOLING (°F)	8	8	8	9	10	12	15	18
		SUCTION PRESSURE (PSIG)	115	118	122	126	130	133	137	141
		SUCTION TEMPERATURE (°F)	50	50	51	52	54	55	58	60
		SUCTION SUPERHEAT (°F)	11	10	9	9	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	7.1	7.9	8.9	10.0	11.3	12.8	14.4	16.2
		COMPRESSOR CURRENT (A)	6.0	6.8	7.8	8.9	10.2	11.7	13.3	15.1
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	26	24	23	22	
	1400	LIQUID PRESSURE (PSIG)	190	221	260	306	360	420	489	570
		LIQUID TEMPERATURE (°F)	60	69	80	90	100	110	118	128
		LIQUID SUBCOOLING (°F)	7	7	7	8	9	11	14	17
		SUCTION PRESSURE (PSIG)	121	124	128	132	136	139	143	147
		SUCTION TEMPERATURE (°F)	53	54	54	56	57	59	61	64
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	7.0	7.8	8.8	9.9	11.2	12.7	14.3	16.1
		COMPRESSOR CURRENT (A)	5.9	6.7	7.7	8.8	10.1	11.6	13.2	15.0
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	24	23	21	20	19	
	80/62	1000	LIQUID PRESSURE (PSIG)	192	223	262	308	361	422	490
LIQUID TEMPERATURE (°F)			58	68	77	87	96	106	115	126
LIQUID SUBCOOLING (°F)			9	9	10	11	13	15	17	19
SUCTION PRESSURE (PSIG)			116	118	120	123	126	129	133	137
SUCTION TEMPERATURE (°F)			51	51	51	52	53	55	56	59
SUCTION SUPERHEAT (°F)			12	11	10	10	10	10	10	11
OUTDOOR UNIT CURRENT (A)			7.3	8.1	9.0	10.1	11.3	12.8	14.4	16.2
COMPRESSOR CURRENT (A)			6.2	7.0	7.9	9.0	10.3	11.7	13.4	15.2
INDOOR COIL DB TEMP DROP (°F)		30	29	29	28	27	26	25	24	
1200		LIQUID PRESSURE (PSIG)	191	222	261	307	360	421	489	569
		LIQUID TEMPERATURE (°F)	59	68	78	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	8	8	9	10	12	14	16	18
		SUCTION PRESSURE (PSIG)	120	122	124	127	130	133	137	141
		SUCTION TEMPERATURE (°F)	53	53	53	54	55	56	58	60
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	7.2	8.0	8.9	10.0	11.2	12.7	14.3	16.1
		COMPRESSOR CURRENT (A)	6.1	6.9	7.8	8.9	10.2	11.6	13.3	15.1
INDOOR COIL DB TEMP DROP (°F)		28	27	27	26	25	24	23	22	
1400		LIQUID PRESSURE (PSIG)	190	221	260	306	359	420	488	568
		LIQUID TEMPERATURE (°F)	60	69	79	89	98	108	117	127
		LIQUID SUBCOOLING (°F)	7	7	8	9	11	13	15	17
		SUCTION PRESSURE (PSIG)	124	126	128	131	134	137	141	145
		SUCTION TEMPERATURE (°F)	55	54	54	55	57	58	59	62
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	7.1	7.9	8.8	9.9	11.1	12.6	14.2	16.0
		COMPRESSOR CURRENT (A)	6.0	6.8	7.7	8.8	10.1	11.5	13.2	15.0
INDOOR COIL DB TEMP DROP (°F)		26	25	25	24	23	22	21	20	

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## YCE36B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1000	LIQUID PRESSURE (PSIG)	193	224	263	309	363	424	494	576
		LIQUID TEMPERATURE (°F)	60	69	79	89	99	108	117	126
		LIQUID SUBCOOLING (°F)	8	8	8	9	11	13	16	19
		SUCTION PRESSURE (PSIG)	126	129	131	134	136	139	142	144
		SUCTION TEMPERATURE (°F)	56	57	56	57	57	59	60	62
		SUCTION SUPERHEAT (°F)	13	12	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	7.2	8.0	8.9	10.1	11.4	12.9	14.6	16.4
		COMPRESSOR CURRENT (A)	6.1	6.9	7.8	9.0	10.3	11.8	13.5	15.4
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	24	23	23	22	21	
	1200	LIQUID PRESSURE (PSIG)	193	224	263	309	363	424	494	576
		LIQUID TEMPERATURE (°F)	60	69	79	89	99	108	117	126
		LIQUID SUBCOOLING (°F)	8	8	8	9	11	13	16	19
		SUCTION PRESSURE (PSIG)	130	133	135	138	140	143	146	148
		SUCTION TEMPERATURE (°F)	58	58	58	58	59	60	61	63
		SUCTION SUPERHEAT (°F)	13	12	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	7.2	8.0	8.9	10.1	11.4	12.9	14.6	16.4
		COMPRESSOR CURRENT (A)	6.1	6.9	7.8	9.0	10.3	11.8	13.5	15.4
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	21	20	19	
	1400	LIQUID PRESSURE (PSIG)	193	224	263	309	363	424	494	576
		LIQUID TEMPERATURE (°F)	60	69	79	89	99	108	117	126
		LIQUID SUBCOOLING (°F)	8	8	8	9	11	13	16	19
		SUCTION PRESSURE (PSIG)	134	137	139	142	144	147	150	152
		SUCTION TEMPERATURE (°F)	60	60	60	60	61	62	63	65
		SUCTION SUPERHEAT (°F)	13	12	11	10	10	10	10	11
OUTDOOR UNIT CURRENT (A)		7.2	8.0	8.9	10.1	11.4	12.9	14.6	16.4	
COMPRESSOR CURRENT (A)		6.1	6.9	7.8	9.0	10.3	11.8	13.5	15.4	
INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	19	18	17		
80/72	1000	LIQUID PRESSURE (PSIG)	195	226	265	311	365	427	498	581
		LIQUID TEMPERATURE (°F)	59	69	80	91	100	110	118	126
		LIQUID SUBCOOLING (°F)	9	8	8	8	10	12	16	20
		SUCTION PRESSURE (PSIG)	137	141	145	148	151	154	156	158
		SUCTION TEMPERATURE (°F)	65	63	64	63	64	65	66	68
		SUCTION SUPERHEAT (°F)	17	14	13	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	7.1	7.9	8.9	10.1	11.4	13.0	14.7	16.6
		COMPRESSOR CURRENT (A)	6.0	6.8	7.8	9.0	10.4	11.9	13.6	15.5
	INDOOR COIL DB TEMP DROP (°F)	19	19	19	18	18	17	17	16	
	1200	LIQUID PRESSURE (PSIG)	195	226	265	311	365	427	498	581
		LIQUID TEMPERATURE (°F)	59	69	80	91	100	110	118	126
		LIQUID SUBCOOLING (°F)	9	8	8	8	10	12	16	20
		SUCTION PRESSURE (PSIG)	140	144	148	151	154	157	159	161
		SUCTION TEMPERATURE (°F)	66	65	65	64	65	66	67	69
		SUCTION SUPERHEAT (°F)	17	14	13	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	7.1	7.9	8.9	10.1	11.4	13.0	14.7	16.6
		COMPRESSOR CURRENT (A)	6.0	6.8	7.8	9.0	10.4	11.9	13.6	15.5
	INDOOR COIL DB TEMP DROP (°F)	17	17	17	16	16	15	15	14	
	1400	LIQUID PRESSURE (PSIG)	195	226	265	311	365	427	498	581
		LIQUID TEMPERATURE (°F)	59	69	80	91	100	110	118	126
		LIQUID SUBCOOLING (°F)	9	8	8	8	10	12	16	20
		SUCTION PRESSURE (PSIG)	143	147	151	154	157	160	162	164
		SUCTION TEMPERATURE (°F)	67	66	66	65	66	68	68	70
		SUCTION SUPERHEAT (°F)	17	14	13	11	11	11	11	12
OUTDOOR UNIT CURRENT (A)		7.1	7.9	8.9	10.1	11.4	13.0	14.7	16.6	
COMPRESSOR CURRENT (A)		6.0	6.8	7.8	9.0	10.4	11.9	13.6	15.5	
INDOOR COIL DB TEMP DROP (°F)	15	15	15	14	14	13	13	12		

FOR USE WITH MODELS:

YCE42B21H  
 TC4B4221H  
 RAC14L42B21S  
 QC4B42B21S

YCE42BS21H SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	193(9)	193(8)	194(8)	198(10)
60	209(10)	210(9)	210(9)	214(10)
65	227(11)	229(10)	228(9)	231(9)
70	247(11)	248(11)	248(10)	250(9)
75	268(12)	270(12)	268(10)	270(9)
80	290(12)	292(13)	290(11)	292(9)
85	314(13)	316(13)	314(11)	315(9)
90	339(13)	341(14)	339(12)	339(9)
95	365(14)	367(14)	365(12)	365(10)
100	393(14)	395(14)	392(13)	392(10)
105	422(14)	424(15)	421(13)	421(11)
110	453(14)	454(15)	452(13)	451(12)
115	485(14)	485(15)	484(14)	482(13)
120	518(14)	518(15)	517(14)	515(14)
125	553(14)	552(15)	551(14)	549(15)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCE42B21H W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	194	229	269	316	368	426	490	560
		LIQUID TEMPERATURE (°F)	58	66	76	86	96	106	116	127
		LIQUID SUBCOOLING (°F)	10	12	13	14	15	16	16	16
		SUCTION PRESSURE (PSIG)	117	120	122	126	129	134	139	144
		SUCTION TEMPERATURE (°F)	50	52	54	55	58	61	64	68
		SUCTION SUPERHEAT (°F)	11	11	12	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	8.6	9.7	10.7	11.8	12.8	13.8	14.8	15.7
		COMPRESSOR CURRENT (A)	7.5	8.6	9.7	10.7	11.8	12.8	13.8	14.8
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19	18	
	1400	LIQUID PRESSURE (PSIG)	193	228	268	315	367	425	489	559
		LIQUID TEMPERATURE (°F)	59	67	77	87	96	106	117	128
		LIQUID SUBCOOLING (°F)	9	11	12	13	14	15	15	15
		SUCTION PRESSURE (PSIG)	120	123	125	129	132	137	142	147
		SUCTION TEMPERATURE (°F)	52	53	55	57	59	62	65	69
		SUCTION SUPERHEAT (°F)	11	11	12	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	8.6	9.7	10.7	11.8	12.8	13.8	14.8	15.7
		COMPRESSOR CURRENT (A)	7.5	8.6	9.7	10.7	11.8	12.8	13.8	14.8
	INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	18	17	
	1600	LIQUID PRESSURE (PSIG)	192	227	267	314	366	424	488	558
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	118	129
		LIQUID SUBCOOLING (°F)	8	10	11	12	13	14	14	14
		SUCTION PRESSURE (PSIG)	123	126	128	132	135	140	145	150
		SUCTION TEMPERATURE (°F)	53	54	56	58	60	63	66	70
		SUCTION SUPERHEAT (°F)	11	11	12	12	13	14	15	17
OUTDOOR UNIT CURRENT (A)		8.6	9.7	10.7	11.8	12.8	13.8	14.8	15.7	
COMPRESSOR CURRENT (A)		7.5	8.6	9.7	10.7	11.8	12.8	13.8	14.8	
INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	17	16		

Continued on next page.

## YCE42B21H W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1200	LIQUID PRESSURE (PSIG)	194	228	269	315	366	423	486	554
		LIQUID TEMPERATURE (°F)	58	66	76	86	95	106	117	127
		LIQUID SUBCOOLING (°F)	10	12	13	14	15	15	15	15
		SUCTION PRESSURE (PSIG)	108	111	115	120	125	132	139	146
		SUCTION TEMPERATURE (°F)	47	49	52	55	58	62	65	68
		SUCTION SUPERHEAT (°F)	12	12	13	14	15	16	16	17
		OUTDOOR UNIT CURRENT (A)	8.5	9.5	10.6	11.6	12.6	13.6	14.7	15.7
		COMPRESSOR CURRENT (A)	7.5	8.5	9.5	10.6	11.6	12.6	13.7	14.7
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	28	27	25	23	22	
	1400	LIQUID PRESSURE (PSIG)	193	227	268	314	365	422	485	553
		LIQUID TEMPERATURE (°F)	59	67	77	86	96	107	118	128
		LIQUID SUBCOOLING (°F)	9	11	12	13	14	14	14	14
		SUCTION PRESSURE (PSIG)	113	116	120	125	130	137	144	151
		SUCTION TEMPERATURE (°F)	50	51	54	57	60	64	67	70
		SUCTION SUPERHEAT (°F)	12	12	13	14	15	16	16	17
		OUTDOOR UNIT CURRENT (A)	8.6	9.6	10.7	11.7	12.7	13.7	14.8	15.8
		COMPRESSOR CURRENT (A)	7.6	8.6	9.6	10.7	11.7	12.7	13.8	14.8
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	26	25	23	21	20	
	1600	LIQUID PRESSURE (PSIG)	192	226	267	313	364	421	484	552
		LIQUID TEMPERATURE (°F)	59	67	77	87	97	108	118	129
		LIQUID SUBCOOLING (°F)	8	10	11	12	13	13	13	13
		SUCTION PRESSURE (PSIG)	118	121	125	130	135	142	149	156
		SUCTION TEMPERATURE (°F)	52	53	56	59	62	66	69	72
		SUCTION SUPERHEAT (°F)	12	12	13	14	15	16	16	17
OUTDOOR UNIT CURRENT (A)		8.7	9.7	10.8	11.8	12.8	13.8	14.9	15.9	
COMPRESSOR CURRENT (A)		7.7	8.7	9.7	10.8	11.8	12.8	13.9	14.9	
INDOOR COIL DB TEMP DROP (°F)	28	27	26	24	23	21	19	18		
80/62	1200	LIQUID PRESSURE (PSIG)	194	230	271	317	368	425	486	553
		LIQUID TEMPERATURE (°F)	60	69	77	87	97	106	117	127
		LIQUID SUBCOOLING (°F)	8	10	12	13	14	15	15	15
		SUCTION PRESSURE (PSIG)	118	120	123	126	131	136	142	149
		SUCTION TEMPERATURE (°F)	51	53	55	57	60	63	67	71
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	8.6	9.7	10.7	11.8	12.8	13.9	14.9	15.9
		COMPRESSOR CURRENT (A)	7.5	8.6	9.7	10.8	11.8	12.9	13.9	14.9
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	24	23	22	
	1400	LIQUID PRESSURE (PSIG)	193	229	270	316	367	424	485	552
		LIQUID TEMPERATURE (°F)	60	68	77	87	96	106	117	127
		LIQUID SUBCOOLING (°F)	8	10	12	13	14	15	15	15
		SUCTION PRESSURE (PSIG)	121	123	126	129	134	139	145	152
		SUCTION TEMPERATURE (°F)	52	54	56	59	62	65	68	72
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	8.6	9.7	10.7	11.8	12.8	13.9	14.9	15.9
		COMPRESSOR CURRENT (A)	7.5	8.6	9.7	10.8	11.8	12.9	13.9	14.9
	INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	22	21	20	
	1600	LIQUID PRESSURE (PSIG)	192	228	269	315	366	423	484	551
		LIQUID TEMPERATURE (°F)	60	69	78	88	97	107	117	128
		LIQUID SUBCOOLING (°F)	7	9	11	12	13	14	14	14
		SUCTION PRESSURE (PSIG)	124	126	129	132	137	142	148	155
		SUCTION TEMPERATURE (°F)	54	55	58	60	63	66	69	73
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	16	17	18
OUTDOOR UNIT CURRENT (A)		8.6	9.7	10.7	11.8	12.8	13.9	14.9	15.9	
COMPRESSOR CURRENT (A)		7.5	8.6	9.7	10.8	11.8	12.9	13.9	14.9	
INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	20	19	18		

Continued on next page.

## YCE42B21H W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1200	LIQUID PRESSURE (PSIG)	195	229	269	315	366	422	485	552
		LIQUID TEMPERATURE (°F)	60	69	79	89	98	108	118	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	14
		SUCTION PRESSURE (PSIG)	127	130	134	138	143	147	152	157
		SUCTION TEMPERATURE (°F)	59	57	57	58	60	63	67	71
		SUCTION SUPERHEAT (°F)	15	12	10	10	10	11	13	16
		OUTDOOR UNIT CURRENT (A)	8.5	9.7	10.8	11.9	13.0	14.1	15.1	16.2
		COMPRESSOR CURRENT (A)	7.5	8.6	9.7	10.9	12.0	13.1	14.1	15.2
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	22	21	20	
	1400	LIQUID PRESSURE (PSIG)	194	228	268	314	365	421	484	551
		LIQUID TEMPERATURE (°F)	60	69	79	88	98	108	117	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	14
		SUCTION PRESSURE (PSIG)	129	132	136	140	145	149	154	159
		SUCTION TEMPERATURE (°F)	61	59	58	60	62	65	68	73
		SUCTION SUPERHEAT (°F)	16	13	11	11	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	8.5	9.7	10.8	11.9	13.0	14.1	15.1	16.2
		COMPRESSOR CURRENT (A)	7.5	8.6	9.7	10.9	12.0	13.1	14.1	15.2
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	20	19	18	
	1600	LIQUID PRESSURE (PSIG)	193	227	267	313	364	420	483	550
		LIQUID TEMPERATURE (°F)	60	69	78	88	98	108	117	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	14
		SUCTION PRESSURE (PSIG)	131	134	138	142	147	151	156	161
		SUCTION TEMPERATURE (°F)	62	61	60	62	64	66	70	75
		SUCTION SUPERHEAT (°F)	17	14	12	12	12	13	15	18
OUTDOOR UNIT CURRENT (A)		8.5	9.7	10.8	11.9	13.0	14.1	15.1	16.2	
COMPRESSOR CURRENT (A)		7.5	8.6	9.7	10.9	12.0	13.1	14.1	15.2	
INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	18	17	16		
80/72	1200	LIQUID PRESSURE (PSIG)	198	231	270	315	365	421	482	549
		LIQUID TEMPERATURE (°F)	59	70	80	91	100	110	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	11	13	15
		SUCTION PRESSURE (PSIG)	132	139	146	152	157	161	165	168
		SUCTION TEMPERATURE (°F)	66	65	64	65	66	69	72	76
		SUCTION SUPERHEAT (°F)	20	16	13	11	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	8.4	9.6	10.8	12.0	13.2	14.3	15.5	16.7
		COMPRESSOR CURRENT (A)	7.4	8.6	9.8	11.0	12.1	13.3	14.5	15.7
	INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	16	15	14	
	1400	LIQUID PRESSURE (PSIG)	198	231	270	315	365	421	482	549
		LIQUID TEMPERATURE (°F)	59	70	80	91	100	110	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	11	13	15
		SUCTION PRESSURE (PSIG)	134	141	148	154	159	163	167	170
		SUCTION TEMPERATURE (°F)	67	65	65	65	67	70	73	77
		SUCTION SUPERHEAT (°F)	20	16	13	11	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	8.4	9.6	10.8	12.0	13.2	14.3	15.5	16.7
		COMPRESSOR CURRENT (A)	7.4	8.6	9.8	11.0	12.1	13.3	14.5	15.7
	INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	16	15	14	13	
	1600	LIQUID PRESSURE (PSIG)	198	231	270	315	365	421	482	549
		LIQUID TEMPERATURE (°F)	59	70	80	91	100	110	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	11	13	15
		SUCTION PRESSURE (PSIG)	136	143	150	156	161	165	169	172
		SUCTION TEMPERATURE (°F)	67	66	66	66	68	70	74	78
		SUCTION SUPERHEAT (°F)	20	16	13	11	11	12	14	17
OUTDOOR UNIT CURRENT (A)		8.4	9.6	10.8	12.0	13.2	14.3	15.5	16.7	
COMPRESSOR CURRENT (A)		7.4	8.6	9.8	11.0	12.1	13.3	14.5	15.7	
INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	14	13	12		



FOR USE WITH MODELS:

YCE42B22S

TC4B4222S

RAC14L42B22S

QC4B42B22S

YCE42BS22S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	193(9)	195(10)	197(9)	199(10)
60	206(9)	209(10)	211(9)	213(10)
65	221(9)	224(10)	227(9)	229(10)
70	239(9)	242(10)	245(10)	247(10)
75	259(9)	262(10)	265(10)	267(10)
80	281(10)	285(11)	291(10)	292(10)
85	306(11)	310(11)	315(11)	317(11)
90	333(11)	337(12)	339(12)	340(11)
95	363(12)	366(13)	368(12)	369(12)
100	395(13)	398(14)	399(13)	399(13)
105	430(15)	432(15)	433(15)	432(14)
110	467(16)	468(16)	468(16)	467(15)
115	507(17)	506(17)	506(17)	504(16)
120	549(19)	547(19)	546(19)	542(18)
125	594(21)	590(20)	588(20)	584(19)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCE42B22S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	199	226	263	310	367	435	512	592
		LIQUID TEMPERATURE (°F)	59	67	77	87	97	108	118	128
		LIQUID SUBCOOLING (°F)	10	10	10	11	13	15	18	20
		SUCTION PRESSURE (PSIG)	115	118	120	122	125	127	130	133
		SUCTION TEMPERATURE (°F)	54	54	54	54	55	55	55	56
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	11	10	10
		OUTDOOR UNIT CURRENT (A)	8.9	9.5	10.5	11.8	13.5	15.7	18.2	21.1
		COMPRESSOR CURRENT (A)	7.9	8.4	9.4	10.8	12.5	14.6	17.2	20.1
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	23	22	21	20	
	1400	LIQUID PRESSURE (PSIG)	197	224	261	308	365	433	510	590
		LIQUID TEMPERATURE (°F)	59	67	77	87	97	108	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	13	15	18	20
		SUCTION PRESSURE (PSIG)	118	121	123	125	128	130	133	136
		SUCTION TEMPERATURE (°F)	55	55	55	55	56	56	56	57
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	11	10	10
		OUTDOOR UNIT CURRENT (A)	8.8	9.4	10.4	11.7	13.4	15.6	18.1	21.0
		COMPRESSOR CURRENT (A)	7.8	8.3	9.3	10.7	12.4	14.5	17.1	20.0
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	21	21	20	19	18	
	1600	LIQUID PRESSURE (PSIG)	195	222	259	306	363	431	508	588
		LIQUID TEMPERATURE (°F)	58	66	76	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	13	15	18	20
		SUCTION PRESSURE (PSIG)	121	124	126	128	131	133	136	139
		SUCTION TEMPERATURE (°F)	56	57	56	56	57	57	57	59
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	11	10	10
OUTDOOR UNIT CURRENT (A)		8.7	9.3	10.3	11.6	13.3	15.5	18.0	20.9	
COMPRESSOR CURRENT (A)		7.7	8.2	9.2	10.6	12.3	14.4	17.0	19.9	
INDOOR COIL DB TEMP DROP (°F)	20	20	20	19	19	18	17	16		

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## YCE42B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1200	LIQUID PRESSURE (PSIG)	194	223	261	308	365	432	509	596
		LIQUID TEMPERATURE (°F)	59	67	77	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	10	10	12	13	16	18	22
		SUCTION PRESSURE (PSIG)	108	111	114	117	121	125	130	134
		SUCTION TEMPERATURE (°F)	48	50	50	50	51	53	54	56
		SUCTION SUPERHEAT (°F)	13	13	12	11	10	10	9	9
		OUTDOOR UNIT CURRENT (A)	8.9	9.5	10.4	11.8	13.5	15.6	18.1	21.0
		COMPRESSOR CURRENT (A)	7.8	8.4	9.4	10.7	12.5	14.6	17.1	20.0
	INDOOR COIL DB TEMP DROP (°F)	31	31	30	29	28	27	26	25	
	1400	LIQUID PRESSURE (PSIG)	192	221	259	306	363	430	507	594
		LIQUID TEMPERATURE (°F)	59	67	77	87	98	107	118	127
		LIQUID SUBCOOLING (°F)	8	9	9	11	12	15	17	21
		SUCTION PRESSURE (PSIG)	113	116	119	122	126	130	135	139
		SUCTION TEMPERATURE (°F)	52	53	53	54	54	56	57	59
		SUCTION SUPERHEAT (°F)	14	14	13	12	11	11	10	10
		OUTDOOR UNIT CURRENT (A)	8.8	9.4	10.3	11.7	13.4	15.5	18.0	20.9
		COMPRESSOR CURRENT (A)	7.7	8.3	9.3	10.6	12.4	14.5	17.0	19.9
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	26	25	24	23	22	
	1600	LIQUID PRESSURE (PSIG)	190	219	257	304	361	428	505	592
		LIQUID TEMPERATURE (°F)	60	67	78	87	98	108	119	128
		LIQUID SUBCOOLING (°F)	7	8	8	10	11	14	16	20
		SUCTION PRESSURE (PSIG)	118	121	124	127	131	135	140	144
		SUCTION TEMPERATURE (°F)	55	56	57	57	57	59	60	62
		SUCTION SUPERHEAT (°F)	15	15	14	13	12	12	11	11
		OUTDOOR UNIT CURRENT (A)	8.7	9.3	10.2	11.6	13.3	15.4	17.9	20.8
		COMPRESSOR CURRENT (A)	7.6	8.2	9.2	10.5	12.3	14.4	16.9	19.8
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	21	20	19	
	80/62	1200	LIQUID PRESSURE (PSIG)	197	226	264	312	368	434	508
LIQUID TEMPERATURE (°F)			58	66	77	87	97	107	117	127
LIQUID SUBCOOLING (°F)			11	11	11	12	14	16	18	21
SUCTION PRESSURE (PSIG)			115	117	119	122	125	128	132	136
SUCTION TEMPERATURE (°F)			54	53	53	54	54	54	56	57
SUCTION SUPERHEAT (°F)			15	14	13	12	11	10	10	10
OUTDOOR UNIT CURRENT (A)			8.9	9.5	10.5	11.8	13.5	15.6	18.0	20.8
COMPRESSOR CURRENT (A)			7.9	8.5	9.5	10.8	12.5	14.6	17.0	19.8
INDOOR COIL DB TEMP DROP (°F)		28	28	28	27	26	26	25	24	
1400		LIQUID PRESSURE (PSIG)	195	224	262	310	366	432	506	590
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	108	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	119	121	123	126	129	132	136	140
		SUCTION TEMPERATURE (°F)	55	55	55	55	56	56	57	59
		SUCTION SUPERHEAT (°F)	15	14	13	12	11	10	10	10
		OUTDOOR UNIT CURRENT (A)	8.8	9.4	10.4	11.7	13.4	15.5	17.9	20.7
		COMPRESSOR CURRENT (A)	7.8	8.4	9.4	10.7	12.4	14.5	16.9	19.7
INDOOR COIL DB TEMP DROP (°F)		26	26	26	25	24	24	23	22	
1600		LIQUID PRESSURE (PSIG)	193	222	260	308	364	430	504	588
		LIQUID TEMPERATURE (°F)	59	67	78	88	98	108	119	128
		LIQUID SUBCOOLING (°F)	9	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	123	125	127	130	133	136	140	144
		SUCTION TEMPERATURE (°F)	57	57	57	57	57	57	59	61
		SUCTION SUPERHEAT (°F)	15	14	13	12	11	10	10	10
		OUTDOOR UNIT CURRENT (A)	8.7	9.3	10.3	11.6	13.3	15.4	17.8	20.6
		COMPRESSOR CURRENT (A)	7.7	8.3	9.3	10.6	12.3	14.4	16.8	19.6
INDOOR COIL DB TEMP DROP (°F)		24	24	24	23	22	22	21	20	

Continued on next page.

## YCE42B22S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1200	LIQUID PRESSURE (PSIG)	197	227	265	312	368	433	506	588
		LIQUID TEMPERATURE (°F)	60	69	78	88	99	108	118	127
		LIQUID SUBCOOLING (°F)	9	9	10	11	12	15	17	20
		SUCTION PRESSURE (PSIG)	125	128	131	134	137	139	142	145
		SUCTION TEMPERATURE (°F)	60	58	58	58	58	59	59	61
		SUCTION SUPERHEAT (°F)	17	14	13	11	10	10	9	10
		OUTDOOR UNIT CURRENT (A)	8.9	9.5	10.5	11.8	13.4	15.5	17.8	20.5
		COMPRESSOR CURRENT (A)	7.8	8.4	9.4	10.7	12.4	14.4	16.8	19.5
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	23	22	22	21	
	1400	LIQUID PRESSURE (PSIG)	197	227	265	312	368	433	506	588
		LIQUID TEMPERATURE (°F)	60	69	78	88	99	108	118	127
		LIQUID SUBCOOLING (°F)	9	9	10	11	12	15	17	20
		SUCTION PRESSURE (PSIG)	128	131	134	137	140	142	145	148
		SUCTION TEMPERATURE (°F)	62	60	61	60	60	61	61	63
		SUCTION SUPERHEAT (°F)	18	15	14	12	11	11	10	11
		OUTDOOR UNIT CURRENT (A)	8.9	9.5	10.5	11.8	13.4	15.5	17.8	20.5
		COMPRESSOR CURRENT (A)	7.8	8.4	9.4	10.7	12.4	14.4	16.8	19.5
	INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	21	20	20	19	
	1600	LIQUID PRESSURE (PSIG)	197	227	265	312	368	433	506	588
		LIQUID TEMPERATURE (°F)	60	69	78	88	99	108	118	127
		LIQUID SUBCOOLING (°F)	9	9	10	11	12	15	17	20
		SUCTION PRESSURE (PSIG)	131	134	137	140	143	145	148	151
		SUCTION TEMPERATURE (°F)	64	63	63	62	62	63	63	65
		SUCTION SUPERHEAT (°F)	19	16	15	13	12	12	11	12
		OUTDOOR UNIT CURRENT (A)	8.9	9.5	10.5	11.8	13.4	15.5	17.8	20.5
		COMPRESSOR CURRENT (A)	7.8	8.4	9.4	10.7	12.4	14.4	16.8	19.5
	INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	19	18	18	17	
	80/72	1200	LIQUID PRESSURE (PSIG)	198	228	266	313	368	431	503
LIQUID TEMPERATURE (°F)			59	68	78	88	99	108	118	127
LIQUID SUBCOOLING (°F)			10	10	10	11	12	14	16	19
SUCTION PRESSURE (PSIG)			134	138	141	145	148	152	155	158
SUCTION TEMPERATURE (°F)			67	65	64	64	64	65	66	67
SUCTION SUPERHEAT (°F)			20	17	15	13	12	11	11	11
OUTDOOR UNIT CURRENT (A)			8.9	9.5	10.5	11.8	13.4	15.3	17.6	20.2
COMPRESSOR CURRENT (A)			7.8	8.5	9.5	10.8	12.4	14.3	16.6	19.2
INDOOR COIL DB TEMP DROP (°F)		18	18	18	18	17	17	16	15	
1400		LIQUID PRESSURE (PSIG)	199	229	267	314	369	432	504	584
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	109	119	128
		LIQUID SUBCOOLING (°F)	10	10	10	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	136	140	143	147	150	154	157	160
		SUCTION TEMPERATURE (°F)	68	67	66	66	66	66	67	69
		SUCTION SUPERHEAT (°F)	21	18	16	14	13	12	12	12
		OUTDOOR UNIT CURRENT (A)	8.9	9.5	10.5	11.8	13.4	15.3	17.6	20.2
		COMPRESSOR CURRENT (A)	7.8	8.5	9.5	10.8	12.4	14.3	16.6	19.2
INDOOR COIL DB TEMP DROP (°F)		17	17	17	17	16	16	15	14	
1600		LIQUID PRESSURE (PSIG)	200	230	268	315	370	433	505	585
		LIQUID TEMPERATURE (°F)	60	69	79	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	10	10	10	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	138	142	145	149	152	156	159	162
		SUCTION TEMPERATURE (°F)	70	69	68	68	68	68	69	70
		SUCTION SUPERHEAT (°F)	22	19	17	15	14	13	13	13
		OUTDOOR UNIT CURRENT (A)	8.9	9.5	10.5	11.8	13.4	15.3	17.6	20.2
		COMPRESSOR CURRENT (A)	7.8	8.5	9.5	10.8	12.4	14.3	16.6	19.2
INDOOR COIL DB TEMP DROP (°F)		16	16	16	16	15	15	14	13	

FOR USE WITH MODELS:

YCE48B21S

TC4B4821S

RAC14L48B21S

QC4B48B21S

YCE48BS21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	196(10)	199(12)	204(13)	207(15)
60	210(10)	213(11)	217(13)	221(14)
65	226(10)	229(11)	233(12)	238(13)
70	244(9)	248(10)	251(12)	256(13)
75	265(10)	268(10)	271(11)	276(12)
80	288(10)	291(11)	294(11)	298(12)
85	313(10)	316(11)	318(12)	322(12)
90	340(11)	343(12)	345(12)	348(13)
95	370(12)	373(12)	374(13)	376(13)
100	401(13)	405(13)	405(13)	406(13)
105	435(14)	439(15)	438(14)	438(14)
110	471(16)	475(16)	474(16)	472(15)
115	509(17)	514(18)	511(17)	507(16)
120	549(19)	555(20)	551(19)	545(18)
125	591(21)	598(22)	593(21)	585(19)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCE48B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1400	LIQUID PRESSURE (PSIG)	201	229	267	315	373	440	518	605
		LIQUID TEMPERATURE (°F)	58	67	78	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	110	116	120	124	128	131	133	135
		SUCTION TEMPERATURE (°F)	60	57	54	53	52	52	54	57
		SUCTION SUPERHEAT (°F)	24	18	13	10	8	7	8	10
		OUTDOOR UNIT CURRENT (A)	9.5	10.2	11.5	13.2	15.4	18.2	21.4	25.1
		COMPRESSOR CURRENT (A)	8.5	9.2	10.5	12.2	14.4	17.2	20.4	24.1
	INDOOR COIL DB TEMP DROP (°F)	23	23	24	24	23	23	22	21	
	1600	LIQUID PRESSURE (PSIG)	200	228	266	314	372	439	517	604
		LIQUID TEMPERATURE (°F)	58	67	78	88	98	109	119	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	112	118	122	126	130	133	135	137
		SUCTION TEMPERATURE (°F)	62	59	56	54	54	54	56	59
		SUCTION SUPERHEAT (°F)	25	19	14	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	9.5	10.2	11.5	13.2	15.4	18.2	21.4	25.1
		COMPRESSOR CURRENT (A)	8.5	9.2	10.5	12.2	14.4	17.2	20.4	24.1
	INDOOR COIL DB TEMP DROP (°F)	21	21	22	22	21	21	20	19	
	1800	LIQUID PRESSURE (PSIG)	199	227	265	313	371	438	516	603
		LIQUID TEMPERATURE (°F)	57	67	78	88	98	109	119	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	114	120	124	128	132	135	137	139
		SUCTION TEMPERATURE (°F)	64	61	58	56	56	56	58	61
		SUCTION SUPERHEAT (°F)	26	20	15	12	10	9	10	12
OUTDOOR UNIT CURRENT (A)		9.5	10.2	11.5	13.2	15.4	18.2	21.4	25.1	
COMPRESSOR CURRENT (A)		8.5	9.2	10.5	12.2	14.4	17.2	20.4	24.1	
INDOOR COIL DB TEMP DROP (°F)	19	19	20	20	19	19	18	17		

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## YCE48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1400	LIQUID PRESSURE (PSIG)	197	227	266	314	371	436	510	592
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	119	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	104	109	114	118	123	127	131	135
		SUCTION TEMPERATURE (°F)	58	55	52	50	50	51	53	57
		SUCTION SUPERHEAT (°F)	25	19	14	10	8	7	8	10
		OUTDOOR UNIT CURRENT (A)	9.4	10.3	11.6	13.3	15.4	18.0	21.1	24.6
		COMPRESSOR CURRENT (A)	8.4	9.3	10.5	12.3	14.5	17.1	20.1	23.6
	INDOOR COIL DB TEMP DROP (°F)	29	30	29	29	28	27	26	24	
	1600	LIQUID PRESSURE (PSIG)	196	226	265	313	370	435	509	591
		LIQUID TEMPERATURE (°F)	59	67	78	89	99	109	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	108	113	118	122	127	131	135	139
		SUCTION TEMPERATURE (°F)	61	58	55	53	53	53	56	60
		SUCTION SUPERHEAT (°F)	26	20	15	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	9.3	10.2	11.5	13.2	15.3	17.9	21.0	24.5
		COMPRESSOR CURRENT (A)	8.3	9.2	10.4	12.2	14.4	17.0	20.0	23.5
	INDOOR COIL DB TEMP DROP (°F)	27	28	27	27	26	25	24	22	
	1800	LIQUID PRESSURE (PSIG)	195	225	264	312	369	434	508	590
		LIQUID TEMPERATURE (°F)	58	67	78	89	99	109	118	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	112	117	122	126	131	135	139	143
		SUCTION TEMPERATURE (°F)	64	60	58	55	55	56	59	62
		SUCTION SUPERHEAT (°F)	27	21	16	12	10	9	10	12
		OUTDOOR UNIT CURRENT (A)	9.2	10.1	11.4	13.1	15.2	17.8	20.9	24.4
		COMPRESSOR CURRENT (A)	8.2	9.1	10.3	12.1	14.3	16.9	19.9	23.4
	INDOOR COIL DB TEMP DROP (°F)	25	26	25	25	24	23	22	20	
	80/62	1400	LIQUID PRESSURE (PSIG)	200	230	269	317	374	440	515
LIQUID TEMPERATURE (°F)			58	68	79	89	100	109	118	127
LIQUID SUBCOOLING (°F)			12	11	10	11	12	15	18	22
SUCTION PRESSURE (PSIG)			112	116	121	124	128	131	134	137
SUCTION TEMPERATURE (°F)			63	58	55	53	52	52	55	58
SUCTION SUPERHEAT (°F)			26	19	14	10	8	7	8	10
OUTDOOR UNIT CURRENT (A)			9.6	10.4	11.6	13.3	15.5	18.1	21.2	24.8
COMPRESSOR CURRENT (A)			8.6	9.3	10.6	12.3	14.5	17.1	20.2	23.8
INDOOR COIL DB TEMP DROP (°F)		26	27	27	28	27	27	25	24	
1600		LIQUID PRESSURE (PSIG)	199	229	268	316	373	439	514	598
		LIQUID TEMPERATURE (°F)	57	67	79	89	100	109	118	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	12	15	18	22
		SUCTION PRESSURE (PSIG)	114	118	123	126	130	133	136	139
		SUCTION TEMPERATURE (°F)	65	60	57	54	54	54	56	60
		SUCTION SUPERHEAT (°F)	27	20	15	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	9.5	10.3	11.5	13.2	15.4	18.0	21.1	24.7
		COMPRESSOR CURRENT (A)	8.5	9.2	10.5	12.2	14.4	17.0	20.1	23.7
INDOOR COIL DB TEMP DROP (°F)		24	25	25	26	25	25	23	22	
1800		LIQUID PRESSURE (PSIG)	198	228	267	315	372	438	513	597
		LIQUID TEMPERATURE (°F)	57	67	78	89	99	109	118	126
		LIQUID SUBCOOLING (°F)	12	11	10	11	12	15	18	22
		SUCTION PRESSURE (PSIG)	116	120	125	128	132	135	138	141
		SUCTION TEMPERATURE (°F)	67	62	59	56	56	56	58	61
		SUCTION SUPERHEAT (°F)	28	21	16	12	10	9	10	12
		OUTDOOR UNIT CURRENT (A)	9.4	10.2	11.4	13.1	15.3	17.9	21.0	24.6
		COMPRESSOR CURRENT (A)	8.4	9.1	10.4	12.1	14.3	16.9	20.0	23.6
INDOOR COIL DB TEMP DROP (°F)		22	23	23	24	23	23	21	20	

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## YCE48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1400	LIQUID PRESSURE (PSIG)	205	234	272	319	375	439	512	594
		LIQUID TEMPERATURE (°F)	58	68	79	88	99	110	119	127
		LIQUID SUBCOOLING (°F)	13	12	11	12	13	14	17	21
		SUCTION PRESSURE (PSIG)	115	122	129	134	139	142	145	146
		SUCTION TEMPERATURE (°F)	69	65	62	60	59	59	60	61
		SUCTION SUPERHEAT (°F)	30	23	17	13	10	9	9	10
		OUTDOOR UNIT CURRENT (A)	9.6	10.4	11.6	13.3	15.3	17.8	20.7	24.1
		COMPRESSOR CURRENT (A)	8.6	9.4	10.6	12.3	14.3	16.8	19.8	23.1
	INDOOR COIL DB TEMP DROP (°F)	21	22	23	23	23	23	22	21	
	1600	LIQUID PRESSURE (PSIG)	204	233	271	318	374	438	511	593
		LIQUID TEMPERATURE (°F)	58	67	78	88	99	110	119	127
		LIQUID SUBCOOLING (°F)	13	12	11	12	13	14	17	21
		SUCTION PRESSURE (PSIG)	117	124	131	136	141	144	147	148
		SUCTION TEMPERATURE (°F)	70	67	63	61	60	61	62	63
		SUCTION SUPERHEAT (°F)	31	24	18	14	11	10	10	11
		OUTDOOR UNIT CURRENT (A)	9.6	10.4	11.6	13.3	15.3	17.8	20.7	24.1
		COMPRESSOR CURRENT (A)	8.6	9.4	10.6	12.3	14.3	16.8	19.8	23.1
	INDOOR COIL DB TEMP DROP (°F)	19	20	21	21	21	21	20	19	
	1800	LIQUID PRESSURE (PSIG)	203	232	270	317	373	437	510	592
		LIQUID TEMPERATURE (°F)	58	67	78	88	99	110	119	127
		LIQUID SUBCOOLING (°F)	13	12	11	12	13	14	17	21
		SUCTION PRESSURE (PSIG)	119	126	133	138	143	146	149	150
		SUCTION TEMPERATURE (°F)	72	68	65	63	62	62	64	65
		SUCTION SUPERHEAT (°F)	32	25	19	15	12	11	11	12
		OUTDOOR UNIT CURRENT (A)	9.6	10.4	11.6	13.3	15.3	17.8	20.7	24.1
		COMPRESSOR CURRENT (A)	8.6	9.4	10.6	12.3	14.3	16.8	19.8	23.1
	INDOOR COIL DB TEMP DROP (°F)	17	18	19	19	19	19	18	17	
	80/72	1400	LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507
LIQUID TEMPERATURE (°F)			57	68	79	89	99	110	119	128
LIQUID SUBCOOLING (°F)			15	13	12	12	13	14	16	19
SUCTION PRESSURE (PSIG)			117	126	135	142	148	153	156	159
SUCTION TEMPERATURE (°F)			71	69	68	67	66	66	65	66
SUCTION SUPERHEAT (°F)			32	26	21	17	14	12	10	10
OUTDOOR UNIT CURRENT (A)			9.7	10.6	11.8	13.4	15.4	17.8	20.5	23.6
COMPRESSOR CURRENT (A)			8.7	9.5	10.8	12.4	14.4	16.8	19.5	22.6
INDOOR COIL DB TEMP DROP (°F)		16	16	17	17	17	17	16	16	
1600		LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507	585
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	15	13	12	12	13	14	16	19
		SUCTION PRESSURE (PSIG)	119	128	137	144	150	155	158	161
		SUCTION TEMPERATURE (°F)	73	71	70	69	68	68	67	68
		SUCTION SUPERHEAT (°F)	33	27	22	18	15	13	11	11
		OUTDOOR UNIT CURRENT (A)	9.7	10.6	11.8	13.4	15.4	17.8	20.5	23.6
		COMPRESSOR CURRENT (A)	8.7	9.5	10.8	12.4	14.4	16.8	19.5	22.6
INDOOR COIL DB TEMP DROP (°F)		15	15	16	16	16	16	15	15	
1800		LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507	585
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	15	13	12	12	13	14	16	19
		SUCTION PRESSURE (PSIG)	121	130	139	146	152	157	160	163
		SUCTION TEMPERATURE (°F)	75	73	72	70	70	69	69	70
		SUCTION SUPERHEAT (°F)	34	28	23	19	16	14	12	12
		OUTDOOR UNIT CURRENT (A)	9.7	10.6	11.8	13.4	15.4	17.8	20.5	23.6
		COMPRESSOR CURRENT (A)	8.7	9.5	10.8	12.4	14.4	16.8	19.5	22.6
INDOOR COIL DB TEMP DROP (°F)		14	14	15	15	15	15	14	14	

FOR USE WITH MODELS:

- YCE60B21S
- TC4B6021S
- RAC14L60B21S
- QC4B60B21S

YCE60BS21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	192(7)	194(8)	196(8)	198(10)
60	206(8)	208(8)	210(8)	212(9)
65	222(8)	224(9)	226(9)	228(9)
70	240(9)	243(9)	244(9)	246(8)
75	261(9)	263(10)	264(9)	265(8)
80	283(10)	285(10)	286(10)	287(8)
85	307(11)	310(11)	310(10)	311(9)
90	333(11)	336(12)	336(11)	336(9)
95	362(12)	365(13)	364(12)	364(10)
100	392(13)	395(14)	394(13)	394(11)
105	425(14)	428(15)	426(14)	425(12)
110	460(15)	463(16)	461(15)	459(13)
115	496(16)	500(17)	497(16)	494(15)
120	535(18)	539(18)	535(17)	531(16)
125	576(19)	580(20)	575(19)	571(18)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

YCE60B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1530	LIQUID PRESSURE (PSIG)	196	226	264	311	366	430	502	583
		LIQUID TEMPERATURE (°F)	60	68	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	111	113	115	118	121	125	129	133
		SUCTION TEMPERATURE (°F)	51	51	52	53	54	56	59	61
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	11.9	13.0	14.5	16.5	18.9	21.9	25.3	29.2
		COMPRESSOR CURRENT (A)	10.7	11.7	13.3	15.3	17.7	20.7	24.1	28.0
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	23	22	21	20	
	1730	LIQUID PRESSURE (PSIG)	195	225	263	310	365	429	501	582
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	113	115	117	120	123	127	131	135
		SUCTION TEMPERATURE (°F)	52	52	52	54	55	57	59	62
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	11.9	13.0	14.5	16.5	18.9	21.9	25.3	29.2
		COMPRESSOR CURRENT (A)	10.7	11.7	13.3	15.3	17.7	20.7	24.1	28.0
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20	19	
	1930	LIQUID PRESSURE (PSIG)	194	224	262	309	364	428	500	581
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	115	117	119	122	125	129	133	137
		SUCTION TEMPERATURE (°F)	53	52	53	55	56	58	60	63
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
OUTDOOR UNIT CURRENT (A)		11.9	13.0	14.5	16.5	18.9	21.9	25.3	29.2	
COMPRESSOR CURRENT (A)		10.7	11.7	13.3	15.3	17.7	20.7	24.1	28.0	
INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19	18		

Continued on next page.

## YCE60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1530	LIQUID PRESSURE (PSIG)	194	224	263	309	364	427	498	578
		LIQUID TEMPERATURE (°F)	60	68	77	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	12	13	15	17	20
		SUCTION PRESSURE (PSIG)	103	105	108	111	114	118	122	127
		SUCTION TEMPERATURE (°F)	44	45	46	48	49	52	54	57
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	11.9	13.0	14.5	16.5	18.9	21.8	25.1	28.9
		COMPRESSOR CURRENT (A)	10.6	11.7	13.3	15.3	17.7	20.6	23.9	27.7
	INDOOR COIL DB TEMP DROP (°F)	33	33	32	31	29	28	27	26	
	1730	LIQUID PRESSURE (PSIG)	192	222	261	307	362	425	496	576
		LIQUID TEMPERATURE (°F)	60	68	78	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	7	8	9	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	108	110	113	116	119	123	127	132
		SUCTION TEMPERATURE (°F)	47	48	50	51	52	55	57	60
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	11.8	12.9	14.4	16.4	18.8	21.7	25.0	28.8
		COMPRESSOR CURRENT (A)	10.5	11.6	13.2	15.2	17.6	20.5	23.8	27.6
	INDOOR COIL DB TEMP DROP (°F)	31	31	30	29	27	26	25	24	
	1930	LIQUID PRESSURE (PSIG)	190	220	259	305	360	423	494	574
		LIQUID TEMPERATURE (°F)	61	69	78	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	6	7	8	10	11	13	15	18
		SUCTION PRESSURE (PSIG)	113	115	118	121	124	128	132	137
		SUCTION TEMPERATURE (°F)	51	52	53	54	56	58	60	63
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	14	14	15
		OUTDOOR UNIT CURRENT (A)	11.7	12.8	14.3	16.3	18.7	21.6	24.9	28.7
		COMPRESSOR CURRENT (A)	10.4	11.5	13.1	15.1	17.5	20.4	23.7	27.5
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	25	24	23	22	
	80/62	1530	LIQUID PRESSURE (PSIG)	195	225	264	311	366	429	501
LIQUID TEMPERATURE (°F)			60	68	78	88	97	107	117	126
LIQUID SUBCOOLING (°F)			8	9	10	11	13	15	17	20
SUCTION PRESSURE (PSIG)			114	115	117	119	122	125	128	132
SUCTION TEMPERATURE (°F)			51	51	51	52	54	56	58	61
SUCTION SUPERHEAT (°F)			13	12	12	12	12	13	14	15
OUTDOOR UNIT CURRENT (A)			12.0	13.0	14.5	16.5	19.0	21.9	25.2	29.1
COMPRESSOR CURRENT (A)			10.7	11.8	13.3	15.3	17.8	20.7	24.1	27.9
INDOOR COIL DB TEMP DROP (°F)		30	30	29	29	28	27	26	25	
1730		LIQUID PRESSURE (PSIG)	194	224	263	310	365	428	500	580
		LIQUID TEMPERATURE (°F)	60	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	117	118	120	122	125	128	131	135
		SUCTION TEMPERATURE (°F)	52	52	53	54	55	57	59	62
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	12.0	13.0	14.5	16.5	19.0	21.9	25.2	29.1
		COMPRESSOR CURRENT (A)	10.7	11.8	13.3	15.3	17.8	20.7	24.1	27.9
INDOOR COIL DB TEMP DROP (°F)		28	28	27	27	26	25	24	23	
1930		LIQUID PRESSURE (PSIG)	193	223	262	309	364	427	499	579
		LIQUID TEMPERATURE (°F)	60	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	120	121	123	125	128	131	134	138
		SUCTION TEMPERATURE (°F)	54	53	54	55	56	58	61	63
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	12.0	13.0	14.5	16.5	19.0	21.9	25.2	29.1
		COMPRESSOR CURRENT (A)	10.7	11.8	13.3	15.3	17.8	20.7	24.1	27.9
INDOOR COIL DB TEMP DROP (°F)		26	26	25	25	24	23	22	21	

Continued on next page.



## YCE60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1530	LIQUID PRESSURE (PSIG)	197	227	265	311	365	427	498	576
		LIQUID TEMPERATURE (°F)	61	69	79	89	98	108	118	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	119	123	126	129	132	135	138	141
		SUCTION TEMPERATURE (°F)	56	56	56	57	58	60	61	64
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	13	15
		OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.6	16.6	19.0	21.8	25.1	28.9
		COMPRESSOR CURRENT (A)	10.8	11.9	13.4	15.3	17.8	20.6	24.0	27.8
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	24	23	22	22	21	
	1730	LIQUID PRESSURE (PSIG)	196	226	264	310	364	426	497	575
		LIQUID TEMPERATURE (°F)	61	68	79	88	98	108	118	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	122	126	129	132	135	138	141	144
		SUCTION TEMPERATURE (°F)	58	57	58	58	59	61	62	66
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	13	15
		OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.6	16.6	19.0	21.8	25.1	28.9
		COMPRESSOR CURRENT (A)	10.8	11.9	13.4	15.3	17.8	20.6	24.0	27.8
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	23	22	21	21	20	
	1930	LIQUID PRESSURE (PSIG)	195	225	263	309	363	425	496	574
		LIQUID TEMPERATURE (°F)	60	68	78	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	125	129	132	135	138	141	144	147
		SUCTION TEMPERATURE (°F)	59	59	59	59	60	62	64	67
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	13	15
		OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.6	16.6	19.0	21.8	25.1	28.9
		COMPRESSOR CURRENT (A)	10.8	11.9	13.4	15.3	17.8	20.6	24.0	27.8
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	21	20	20	19	
	80/72	1530	LIQUID PRESSURE (PSIG)	198	228	265	311	364	425	494
LIQUID TEMPERATURE (°F)			59	69	80	90	100	109	118	127
LIQUID SUBCOOLING (°F)			10	9	8	9	10	12	15	18
SUCTION PRESSURE (PSIG)			127	132	137	141	145	148	151	154
SUCTION TEMPERATURE (°F)			64	63	63	63	64	65	67	69
SUCTION SUPERHEAT (°F)			20	17	15	14	13	13	14	15
OUTDOOR UNIT CURRENT (A)			12.1	13.2	14.6	16.6	18.9	21.6	24.8	28.5
COMPRESSOR CURRENT (A)			10.8	11.9	13.4	15.3	17.7	20.5	23.7	27.3
INDOOR COIL DB TEMP DROP (°F)		20	19	19	19	18	18	17	16	
1730		LIQUID PRESSURE (PSIG)	198	228	265	311	364	425	494	571
		LIQUID TEMPERATURE (°F)	59	69	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	8	9	10	12	15	18
		SUCTION PRESSURE (PSIG)	129	134	139	143	147	150	153	156
		SUCTION TEMPERATURE (°F)	65	64	64	64	65	66	68	70
		SUCTION SUPERHEAT (°F)	20	17	15	14	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	12.1	13.2	14.6	16.6	18.9	21.6	24.8	28.5
		COMPRESSOR CURRENT (A)	10.8	11.9	13.4	15.3	17.7	20.5	23.7	27.3
INDOOR COIL DB TEMP DROP (°F)		19	18	18	18	17	17	16	15	
1930		LIQUID PRESSURE (PSIG)	199	229	266	312	365	426	495	572
		LIQUID TEMPERATURE (°F)	59	69	80	90	100	110	118	127
		LIQUID SUBCOOLING (°F)	10	9	8	9	10	12	15	18
		SUCTION PRESSURE (PSIG)	131	136	141	145	149	152	155	158
		SUCTION TEMPERATURE (°F)	66	65	65	66	67	68	70	72
		SUCTION SUPERHEAT (°F)	21	18	16	15	14	14	15	16
		OUTDOOR UNIT CURRENT (A)	12.1	13.2	14.6	16.6	18.9	21.6	24.8	28.5
		COMPRESSOR CURRENT (A)	10.8	11.9	13.4	15.3	17.7	20.5	23.7	27.3
INDOOR COIL DB TEMP DROP (°F)		18	17	17	17	16	16	15	14	

FOR USE WITH MODELS:

**TCD30B31**

**TCD30B41**

TCD30B(3,4)1 SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	194(9)	197(10)	200(11)	203(12)
60	208(8)	211(9)	214(10)	217(11)
65	224(8)	226(9)	230(9)	233(10)
70	242(8)	244(9)	247(9)	251(10)
75	261(8)	263(9)	266(8)	270(9)
80	282(9)	285(9)	287(8)	291(9)
85	306(9)	308(9)	310(8)	313(8)
90	331(9)	333(10)	334(9)	337(8)
95	358(10)	360(10)	360(9)	362(9)
100	387(11)	389(11)	388(9)	389(9)
105	418(11)	419(11)	418(10)	417(9)
110	451(12)	452(12)	449(11)	447(10)
115	485(13)	487(13)	482(12)	479(11)
120	522(14)	523(14)	516(13)	511(12)
125	560(16)	561(16)	553(14)	546(13)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**TCD30B31 W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	197	226	263	308	361	421	490	567
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	12	14	16
		SUCTION PRESSURE (PSIG)	106	111	116	120	125	129	132	135
		SUCTION TEMPERATURE (°F)	53	52	51	51	53	56	59	63
		SUCTION SUPERHEAT (°F)	19	15	12	10	10	11	13	16
		OUTDOOR UNIT CURRENT (A)	4.1	4.4	4.9	5.4	5.7	6.2	6.6	7.0
		COMPRESSOR CURRENT (A)	3.1	3.5	4.0	4.4	4.8	5.3	5.7	6.1
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	21	20	18	
	1000	LIQUID PRESSURE (PSIG)	197	226	263	308	361	421	490	567
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	12	14	16
		SUCTION PRESSURE (PSIG)	110	115	120	124	129	133	136	139
		SUCTION TEMPERATURE (°F)	56	55	54	54	56	58	61	66
		SUCTION SUPERHEAT (°F)	20	16	13	11	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	4.8	5.3	5.7	6.1	6.6	7.0
		COMPRESSOR CURRENT (A)	3.1	3.6	4.0	4.4	4.9	5.3	5.8	6.2
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18	16	
	1200	LIQUID PRESSURE (PSIG)	197	226	263	308	361	421	490	567
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	12	14	16
		SUCTION PRESSURE (PSIG)	114	119	124	128	133	137	140	143
		SUCTION TEMPERATURE (°F)	59	57	57	56	58	61	64	68
		SUCTION SUPERHEAT (°F)	21	17	14	12	12	13	15	18
OUTDOOR UNIT CURRENT (A)		4.0	4.3	4.8	5.3	5.7	6.1	6.5	6.9	
COMPRESSOR CURRENT (A)		3.2	3.6	4.1	4.5	5.0	5.4	5.8	6.2	
INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	17	16	14		

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## TCD30B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	800	LIQUID PRESSURE (PSIG)	197	227	264	309	361	421	488	563
		LIQUID TEMPERATURE (°F)	59	69	79	88	98	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	10	11	12	14	17
		SUCTION PRESSURE (PSIG)	97	103	109	114	120	125	131	136
		SUCTION TEMPERATURE (°F)	47	47	48	50	53	56	60	65
		SUCTION SUPERHEAT (°F)	17	14	12	12	12	13	15	18
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	4.7	5.2	5.6	6.1	6.5	6.9
		COMPRESSOR CURRENT (A)	3.1	3.5	3.9	4.3	4.8	5.3	5.7	6.1
	INDOOR COIL DB TEMP DROP (°F)	33	32	31	29	28	26	24	22	
	1000	LIQUID PRESSURE (PSIG)	194	224	261	306	358	418	485	560
		LIQUID TEMPERATURE (°F)	59	69	79	89	99	109	119	127
		LIQUID SUBCOOLING (°F)	9	8	8	9	10	11	13	16
		SUCTION PRESSURE (PSIG)	103	109	115	120	126	131	137	142
		SUCTION TEMPERATURE (°F)	51	51	52	54	56	59	64	69
		SUCTION SUPERHEAT (°F)	18	15	13	13	13	14	16	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	4.8	5.3	5.6	6.1	6.5	7.0
		COMPRESSOR CURRENT (A)	3.1	3.5	4.0	4.4	4.8	5.3	5.7	6.2
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	26	25	23	21	19	
	1200	LIQUID PRESSURE (PSIG)	191	221	258	303	355	415	482	557
		LIQUID TEMPERATURE (°F)	59	69	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	109	115	121	126	132	137	143	148
		SUCTION TEMPERATURE (°F)	55	55	55	57	60	63	67	72
		SUCTION SUPERHEAT (°F)	19	16	14	14	14	15	17	20
		OUTDOOR UNIT CURRENT (A)	4.1	4.5	4.8	5.3	5.7	6.2	6.6	7.0
		COMPRESSOR CURRENT (A)	3.2	3.6	4.0	4.4	4.9	5.4	5.8	6.2
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	23	22	20	18	16	
	80/62	800	LIQUID PRESSURE (PSIG)	200	229	266	311	363	422	490
LIQUID TEMPERATURE (°F)			59	68	78	89	99	109	118	127
LIQUID SUBCOOLING (°F)			11	10	10	10	11	12	14	17
SUCTION PRESSURE (PSIG)			106	111	117	121	126	130	134	138
SUCTION TEMPERATURE (°F)			55	53	52	52	53	56	60	64
SUCTION SUPERHEAT (°F)			21	16	13	11	10	11	13	16
OUTDOOR UNIT CURRENT (A)			3.9	4.3	4.8	5.2	5.6	6.2	6.5	6.9
COMPRESSOR CURRENT (A)			3.1	3.5	3.9	4.4	4.8	5.3	5.7	6.1
INDOOR COIL DB TEMP DROP (°F)		29	29	29	28	27	26	24	23	
1000		LIQUID PRESSURE (PSIG)	197	226	263	308	360	419	487	561
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	119	127
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	11	13	16
		SUCTION PRESSURE (PSIG)	110	115	121	125	130	134	138	142
		SUCTION TEMPERATURE (°F)	58	56	55	55	56	59	62	67
		SUCTION SUPERHEAT (°F)	22	17	14	12	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	3.9	4.4	4.9	5.2	5.7	6.2	6.6	7.0
		COMPRESSOR CURRENT (A)	3.1	3.6	4.0	4.4	4.9	5.3	5.8	6.2
INDOOR COIL DB TEMP DROP (°F)		26	26	26	25	24	23	21	20	
1200		LIQUID PRESSURE (PSIG)	194	223	260	305	357	416	484	558
		LIQUID TEMPERATURE (°F)	59	69	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	9	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	114	119	125	129	134	138	142	146
		SUCTION TEMPERATURE (°F)	61	58	58	58	59	61	65	69
		SUCTION SUPERHEAT (°F)	23	18	15	13	12	13	15	18
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	4.9	5.3	5.8	6.3	6.6	7.0
		COMPRESSOR CURRENT (A)	3.2	3.6	4.0	4.5	5.0	5.4	5.8	6.2
INDOOR COIL DB TEMP DROP (°F)		23	23	23	22	21	20	18	17	

Continued on next page.

## TCD30B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	800	LIQUID PRESSURE (PSIG)	200	230	266	310	360	418	482	553
		LIQUID TEMPERATURE (°F)	59	70	80	90	100	110	119	128
		LIQUID SUBCOOLING (°F)	11	9	8	8	9	10	12	14
		SUCTION PRESSURE (PSIG)	111	119	127	133	138	142	146	148
		SUCTION TEMPERATURE (°F)	63	59	59	58	58	60	63	67
		SUCTION SUPERHEAT (°F)	26	19	15	12	10	10	12	15
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	4.9	5.4	5.8	6.3	6.7	7.2
		COMPRESSOR CURRENT (A)	3.1	3.6	4.0	4.6	5.0	5.5	5.9	6.4
	INDOOR COIL DB TEMP DROP (°F)	23	24	23	23	22	22	20	19	
	1000	LIQUID PRESSURE (PSIG)	200	230	266	310	360	418	482	553
		LIQUID TEMPERATURE (°F)	59	70	80	90	100	110	119	128
		LIQUID SUBCOOLING (°F)	11	9	8	8	9	10	12	14
		SUCTION PRESSURE (PSIG)	114	122	130	136	141	145	149	151
		SUCTION TEMPERATURE (°F)	65	62	61	60	60	62	66	69
		SUCTION SUPERHEAT (°F)	27	20	16	13	11	11	13	16
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	4.9	5.4	5.8	6.3	6.7	7.2
		COMPRESSOR CURRENT (A)	3.1	3.6	4.0	4.6	5.0	5.5	5.9	6.4
	INDOOR COIL DB TEMP DROP (°F)	21	22	21	21	20	20	18	17	
	1200	LIQUID PRESSURE (PSIG)	200	230	266	310	360	418	482	553
		LIQUID TEMPERATURE (°F)	59	70	80	90	100	110	119	128
		LIQUID SUBCOOLING (°F)	11	9	8	8	9	10	12	14
		SUCTION PRESSURE (PSIG)	117	125	133	139	144	148	152	154
		SUCTION TEMPERATURE (°F)	67	64	63	63	63	64	68	71
		SUCTION SUPERHEAT (°F)	28	21	17	14	12	12	14	17
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	4.9	5.4	5.8	6.3	6.7	7.2
		COMPRESSOR CURRENT (A)	3.1	3.6	4.0	4.6	5.0	5.5	5.9	6.4
	INDOOR COIL DB TEMP DROP (°F)	19	20	19	19	18	18	16	15	
	80/72	800	LIQUID PRESSURE (PSIG)	202	232	269	312	361	416	478
LIQUID TEMPERATURE (°F)			58	69	80	91	100	111	119	128
LIQUID SUBCOOLING (°F)			12	10	9	8	9	9	11	13
SUCTION PRESSURE (PSIG)			115	125	134	142	148	154	158	161
SUCTION TEMPERATURE (°F)			68	66	65	65	65	66	68	70
SUCTION SUPERHEAT (°F)			29	23	18	15	13	12	12	13
OUTDOOR UNIT CURRENT (A)			4.0	4.4	4.9	5.5	5.9	6.4	6.9	7.4
COMPRESSOR CURRENT (A)			3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6
INDOOR COIL DB TEMP DROP (°F)		19	19	19	19	18	18	17	16	
1000		LIQUID PRESSURE (PSIG)	203	233	270	313	362	417	479	546
		LIQUID TEMPERATURE (°F)	59	69	80	91	100	111	120	128
		LIQUID SUBCOOLING (°F)	12	10	9	8	9	9	11	13
		SUCTION PRESSURE (PSIG)	118	128	137	145	151	157	161	164
		SUCTION TEMPERATURE (°F)	70	68	67	67	67	68	70	72
		SUCTION SUPERHEAT (°F)	30	24	19	16	14	13	13	14
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	4.9	5.5	5.9	6.4	6.9	7.4
		COMPRESSOR CURRENT (A)	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6
INDOOR COIL DB TEMP DROP (°F)		17	17	17	17	16	16	15	14	
1200		LIQUID PRESSURE (PSIG)	204	234	271	314	363	418	480	547
		LIQUID TEMPERATURE (°F)	59	70	80	91	101	111	120	128
		LIQUID SUBCOOLING (°F)	12	10	9	8	9	9	11	13
		SUCTION PRESSURE (PSIG)	121	131	140	148	154	160	164	167
		SUCTION TEMPERATURE (°F)	72	70	69	69	69	71	72	74
		SUCTION SUPERHEAT (°F)	31	25	20	17	15	14	14	15
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	4.9	5.5	5.9	6.4	6.9	7.4
		COMPRESSOR CURRENT (A)	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6
INDOOR COIL DB TEMP DROP (°F)		15	15	15	15	14	14	13	12	

## TCD30B41 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	197	226	263	308	361	421	490	567
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	12	14	16
		SUCTION PRESSURE (PSIG)	106	111	116	120	125	129	132	135
		SUCTION TEMPERATURE (°F)	53	52	51	51	53	56	59	63
		SUCTION SUPERHEAT (°F)	19	15	12	10	10	11	13	16
		OUTDOOR UNIT CURRENT (A)	2.0	2.2	2.4	2.7	2.9	3.1	3.3	3.5
		COMPRESSOR CURRENT (A)	1.5	1.8	2.0	2.2	2.4	2.6	2.9	3.1
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	21	20	18	
	1000	LIQUID PRESSURE (PSIG)	197	226	263	308	361	421	490	567
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	12	14	16
		SUCTION PRESSURE (PSIG)	110	115	120	124	129	133	136	139
		SUCTION TEMPERATURE (°F)	56	55	54	54	56	58	61	66
		SUCTION SUPERHEAT (°F)	20	16	13	11	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	2.0	2.2	2.4	2.7	2.9	3.1	3.3	3.5
		COMPRESSOR CURRENT (A)	1.6	1.8	2.0	2.2	2.5	2.7	2.9	3.1
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18	16	
	1200	LIQUID PRESSURE (PSIG)	197	226	263	308	361	421	490	567
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	12	14	16
		SUCTION PRESSURE (PSIG)	114	119	124	128	133	137	140	143
		SUCTION TEMPERATURE (°F)	59	57	57	56	58	61	64	68
		SUCTION SUPERHEAT (°F)	21	17	14	12	12	13	15	18
		OUTDOOR UNIT CURRENT (A)	2.0	2.2	2.4	2.7	2.8	3.0	3.3	3.5
		COMPRESSOR CURRENT (A)	1.6	1.8	2.0	2.3	2.5	2.7	2.9	3.1
	INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	17	16	14	
	80/57	800	LIQUID PRESSURE (PSIG)	197	227	264	309	361	421	488
LIQUID TEMPERATURE (°F)			59	69	79	88	98	109	118	127
LIQUID SUBCOOLING (°F)			10	9	9	10	11	12	14	17
SUCTION PRESSURE (PSIG)			97	103	109	114	120	125	131	136
SUCTION TEMPERATURE (°F)			47	47	48	50	53	56	60	65
SUCTION SUPERHEAT (°F)			17	14	12	12	12	13	15	18
OUTDOOR UNIT CURRENT (A)			2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.5
COMPRESSOR CURRENT (A)			1.5	1.7	2.0	2.2	2.4	2.6	2.8	3.1
INDOOR COIL DB TEMP DROP (°F)		33	32	31	29	28	26	24	22	
1000		LIQUID PRESSURE (PSIG)	194	224	261	306	358	418	485	560
		LIQUID TEMPERATURE (°F)	59	69	79	89	99	109	119	127
		LIQUID SUBCOOLING (°F)	9	8	8	9	10	11	13	16
		SUCTION PRESSURE (PSIG)	103	109	115	120	126	131	137	142
		SUCTION TEMPERATURE (°F)	51	51	52	54	56	59	64	69
		SUCTION SUPERHEAT (°F)	18	15	13	13	13	14	16	19
		OUTDOOR UNIT CURRENT (A)	2.0	2.2	2.4	2.6	2.8	3.1	3.3	3.5
		COMPRESSOR CURRENT (A)	1.6	1.8	2.0	2.2	2.4	2.7	2.9	3.1
INDOOR COIL DB TEMP DROP (°F)		30	29	28	26	25	23	21	19	
1200		LIQUID PRESSURE (PSIG)	191	221	258	303	355	415	482	557
		LIQUID TEMPERATURE (°F)	59	69	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	109	115	121	126	132	137	143	148
		SUCTION TEMPERATURE (°F)	55	55	55	57	60	63	67	72
		SUCTION SUPERHEAT (°F)	19	16	14	14	14	15	17	20
		OUTDOOR UNIT CURRENT (A)	2.0	2.2	2.4	2.7	2.9	3.1	3.3	3.5
		COMPRESSOR CURRENT (A)	1.6	1.8	2.0	2.2	2.5	2.7	2.9	3.1
INDOOR COIL DB TEMP DROP (°F)		27	26	25	23	22	20	18	16	

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## TCD30B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	800	LIQUID PRESSURE (PSIG)	200	229	266	311	363	422	490	564
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	118	127
		LIQUID SUBCOOLING (°F)	11	10	10	10	11	12	14	17
		SUCTION PRESSURE (PSIG)	106	111	117	121	126	130	134	138
		SUCTION TEMPERATURE (°F)	55	53	52	52	53	56	60	64
		SUCTION SUPERHEAT (°F)	21	16	13	11	10	11	13	16
		OUTDOOR UNIT CURRENT (A)	1.9	2.2	2.4	2.6	2.8	3.1	3.3	3.5
		COMPRESSOR CURRENT (A)	1.5	1.8	2.0	2.2	2.4	2.6	2.9	3.1
	INDOOR COIL DB TEMP DROP (°F)	29	29	29	28	27	26	24	23	
	1000	LIQUID PRESSURE (PSIG)	197	226	263	308	360	419	487	561
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	119	127
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	11	13	16
		SUCTION PRESSURE (PSIG)	110	115	121	125	130	134	138	142
		SUCTION TEMPERATURE (°F)	58	56	55	55	56	59	62	67
		SUCTION SUPERHEAT (°F)	22	17	14	12	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	2.0	2.2	2.4	2.6	2.9	3.1	3.3	3.5
		COMPRESSOR CURRENT (A)	1.6	1.8	2.0	2.2	2.5	2.7	2.9	3.1
	INDOOR COIL DB TEMP DROP (°F)	26	26	26	25	24	23	21	20	
	1200	LIQUID PRESSURE (PSIG)	194	223	260	305	357	416	484	558
		LIQUID TEMPERATURE (°F)	59	69	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	9	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	114	119	125	129	134	138	142	146
		SUCTION TEMPERATURE (°F)	61	58	58	58	59	61	65	69
		SUCTION SUPERHEAT (°F)	23	18	15	13	12	13	15	18
		OUTDOOR UNIT CURRENT (A)	2.0	2.2	2.5	2.7	2.9	3.1	3.3	3.5
		COMPRESSOR CURRENT (A)	1.6	1.8	2.0	2.3	2.5	2.7	2.9	3.1
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	21	20	18	17	
	80/67	800	LIQUID PRESSURE (PSIG)	200	230	266	310	360	418	482
LIQUID TEMPERATURE (°F)			59	70	80	90	100	110	119	128
LIQUID SUBCOOLING (°F)			11	9	8	8	9	10	12	14
SUCTION PRESSURE (PSIG)			111	119	127	133	138	142	146	148
SUCTION TEMPERATURE (°F)			63	59	59	58	58	60	63	67
SUCTION SUPERHEAT (°F)			26	19	15	12	10	10	12	15
OUTDOOR UNIT CURRENT (A)			2.0	2.2	2.5	2.7	2.9	3.1	3.4	3.6
COMPRESSOR CURRENT (A)			1.6	1.8	2.0	2.3	2.5	2.7	3.0	3.2
INDOOR COIL DB TEMP DROP (°F)		23	24	23	23	22	22	20	19	
1000		LIQUID PRESSURE (PSIG)	200	230	266	310	360	418	482	553
		LIQUID TEMPERATURE (°F)	59	70	80	90	100	110	119	128
		LIQUID SUBCOOLING (°F)	11	9	8	8	9	10	12	14
		SUCTION PRESSURE (PSIG)	114	122	130	136	141	145	149	151
		SUCTION TEMPERATURE (°F)	65	62	61	60	60	62	66	69
		SUCTION SUPERHEAT (°F)	27	20	16	13	11	11	13	16
		OUTDOOR UNIT CURRENT (A)	2.0	2.2	2.5	2.7	2.9	3.1	3.4	3.6
		COMPRESSOR CURRENT (A)	1.6	1.8	2.0	2.3	2.5	2.7	3.0	3.2
INDOOR COIL DB TEMP DROP (°F)		21	22	21	21	20	20	18	17	
1200		LIQUID PRESSURE (PSIG)	200	230	266	310	360	418	482	553
		LIQUID TEMPERATURE (°F)	59	70	80	90	100	110	119	128
		LIQUID SUBCOOLING (°F)	11	9	8	8	9	10	12	14
		SUCTION PRESSURE (PSIG)	117	125	133	139	144	148	152	154
		SUCTION TEMPERATURE (°F)	67	64	63	63	63	64	68	71
		SUCTION SUPERHEAT (°F)	28	21	17	14	12	12	14	17
		OUTDOOR UNIT CURRENT (A)	2.0	2.2	2.5	2.7	2.9	3.1	3.4	3.6
		COMPRESSOR CURRENT (A)	1.6	1.8	2.0	2.3	2.5	2.7	3.0	3.2
INDOOR COIL DB TEMP DROP (°F)		19	20	19	19	18	18	16	15	

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## TCD30B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	800	LIQUID PRESSURE (PSIG)	202	232	269	312	361	416	478	545
		LIQUID TEMPERATURE (°F)	58	69	80	91	100	111	119	128
		LIQUID SUBCOOLING (°F)	12	10	9	8	9	9	11	13
		SUCTION PRESSURE (PSIG)	115	125	134	142	148	154	158	161
		SUCTION TEMPERATURE (°F)	68	66	65	65	65	66	68	70
		SUCTION SUPERHEAT (°F)	29	23	18	15	13	12	12	13
		OUTDOOR UNIT CURRENT (A)	2.0	2.2	2.4	2.7	2.9	3.2	3.4	3.7
		COMPRESSOR CURRENT (A)	1.6	1.8	2.0	2.3	2.5	2.8	3.0	3.3
	INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	18	18	17	16	
	1000	LIQUID PRESSURE (PSIG)	203	233	270	313	362	417	479	546
		LIQUID TEMPERATURE (°F)	59	69	80	91	100	111	120	128
		LIQUID SUBCOOLING (°F)	12	10	9	8	9	9	11	13
		SUCTION PRESSURE (PSIG)	118	128	137	145	151	157	161	164
		SUCTION TEMPERATURE (°F)	70	68	67	67	67	68	70	72
		SUCTION SUPERHEAT (°F)	30	24	19	16	14	13	13	14
		OUTDOOR UNIT CURRENT (A)	2.0	2.2	2.4	2.7	2.9	3.2	3.4	3.7
		COMPRESSOR CURRENT (A)	1.6	1.8	2.0	2.3	2.5	2.8	3.0	3.3
	INDOOR COIL DB TEMP DROP (°F)	17	17	17	17	16	16	15	14	
	1200	LIQUID PRESSURE (PSIG)	204	234	271	314	363	418	480	547
		LIQUID TEMPERATURE (°F)	59	70	80	91	101	111	120	128
		LIQUID SUBCOOLING (°F)	12	10	9	8	9	9	11	13
		SUCTION PRESSURE (PSIG)	121	131	140	148	154	160	164	167
		SUCTION TEMPERATURE (°F)	72	70	69	69	69	71	72	74
		SUCTION SUPERHEAT (°F)	31	25	20	17	15	14	14	15
OUTDOOR UNIT CURRENT (A)		2.0	2.2	2.4	2.7	2.9	3.2	3.4	3.7	
COMPRESSOR CURRENT (A)		1.6	1.8	2.0	2.3	2.5	2.8	3.0	3.3	
INDOOR COIL DB TEMP DROP (°F)	15	15	15	15	14	14	13	12		

FOR USE WITH MODELS:

**TCD30B32****TCD30B42**

TCD30B(3,4)2 SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	186(6)	189(7)	191(8)	193(10)
60	198(6)	201(7)	203(8)	206(9)
65	213(6)	215(7)	218(7)	222(8)
70	230(6)	233(7)	235(7)	239(8)
75	250(7)	253(7)	255(7)	258(8)
80	273(7)	275(8)	276(7)	279(8)
85	298(8)	300(8)	300(8)	303(8)
90	325(9)	328(9)	327(8)	328(8)
95	355(10)	358(10)	356(9)	355(9)
100	387(11)	391(12)	387(10)	384(9)
105	422(13)	426(13)	420(11)	415(10)
110	460(14)	465(15)	456(13)	448(11)
115	500(16)	505(16)	494(15)	482(12)
120	542(18)	549(18)	535(16)	519(14)
125	588(20)	594(21)	577(18)	558(15)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

**TCD30B32 W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	195	221	257	306	366	437	520	614
		LIQUID TEMPERATURE (°F)	61	69	79	89	99	111	120	130
		LIQUID SUBCOOLING (°F)	7	7	7	9	11	13	17	21
		SUCTION PRESSURE (PSIG)	112	115	119	122	125	128	130	132
		SUCTION TEMPERATURE (°F)	52	51	50	50	50	51	53	56
		SUCTION SUPERHEAT (°F)	15	12	10	8	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	3.9	4.0	4.4	5.1	5.8	6.8	8.0	9.2
		COMPRESSOR CURRENT (A)	3.0	3.2	3.6	4.2	5.0	6.0	7.2	8.5
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	22	22	21	20	
	1000	LIQUID PRESSURE (PSIG)	189	215	251	300	360	431	514	608
		LIQUID TEMPERATURE (°F)	59	67	77	87	98	109	119	129
		LIQUID SUBCOOLING (°F)	7	7	7	9	11	13	17	21
		SUCTION PRESSURE (PSIG)	116	119	123	126	129	132	134	136
		SUCTION TEMPERATURE (°F)	55	53	53	52	53	54	56	58
		SUCTION SUPERHEAT (°F)	16	13	11	9	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	3.8	3.9	4.3	5.0	5.7	6.7	7.8	9.1
		COMPRESSOR CURRENT (A)	2.9	3.1	3.5	4.1	4.9	5.9	7.0	8.4
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	20	20	19	18	
	1200	LIQUID PRESSURE (PSIG)	183	209	245	294	354	425	508	602
		LIQUID TEMPERATURE (°F)	58	67	77	87	98	109	119	129
		LIQUID SUBCOOLING (°F)	6	6	6	8	10	12	16	20
		SUCTION PRESSURE (PSIG)	120	123	127	130	133	136	138	140
		SUCTION TEMPERATURE (°F)	58	56	56	55	55	56	58	61
		SUCTION SUPERHEAT (°F)	17	14	12	10	9	9	10	12
OUTDOOR UNIT CURRENT (A)		3.7	3.8	4.2	4.9	5.6	6.6	7.7	9.0	
COMPRESSOR CURRENT (A)		2.8	3.0	3.4	4.0	4.8	5.8	6.9	8.3	
INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	18	18	17	16		

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## TCD30B32 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	800	LIQUID PRESSURE (PSIG)	190	217	254	302	359	426	504	592
		LIQUID TEMPERATURE (°F)	60	68	77	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	7	7	8	9	11	14	17	21
		SUCTION PRESSURE (PSIG)	102	106	110	114	118	122	125	129
		SUCTION TEMPERATURE (°F)	49	47	47	47	49	51	53	57
		SUCTION SUPERHEAT (°F)	16	13	11	9	9	9	10	12
		OUTDOOR UNIT CURRENT (A)	3.8	4.1	4.5	5.1	5.8	6.8	7.8	9.1
		COMPRESSOR CURRENT (A)	3.0	3.2	3.6	4.3	5.0	5.9	7.0	8.3
	INDOOR COIL DB TEMP DROP (°F)	31	31	30	30	29	28	27	25	
	1000	LIQUID PRESSURE (PSIG)	186	213	250	298	355	422	500	588
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	6	6	7	8	10	13	16	20
		SUCTION PRESSURE (PSIG)	109	113	117	121	125	129	132	136
		SUCTION TEMPERATURE (°F)	53	52	51	51	53	55	57	60
		SUCTION SUPERHEAT (°F)	17	14	12	10	10	10	11	13
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.4	5.0	5.7	6.7	7.7	8.9
		COMPRESSOR CURRENT (A)	2.9	3.1	3.5	4.2	4.9	5.8	6.9	8.1
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	25	24	23	21	
	1200	LIQUID PRESSURE (PSIG)	182	209	246	294	351	418	496	584
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	5	5	6	7	9	12	15	19
		SUCTION PRESSURE (PSIG)	116	120	124	128	132	136	139	143
		SUCTION TEMPERATURE (°F)	57	56	56	55	57	58	61	64
		SUCTION SUPERHEAT (°F)	18	15	13	11	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	3.6	3.9	4.3	4.8	5.6	6.6	7.6	8.8
		COMPRESSOR CURRENT (A)	2.8	3.0	3.4	4.0	4.8	5.7	6.8	8.0
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19	17	
	80/62	800	LIQUID PRESSURE (PSIG)	192	218	256	303	361	429	508
LIQUID TEMPERATURE (°F)			59	67	77	88	98	108	118	126
LIQUID SUBCOOLING (°F)			8	8	8	9	11	14	17	22
SUCTION PRESSURE (PSIG)			111	115	118	122	125	128	130	133
SUCTION TEMPERATURE (°F)			54	52	50	51	51	52	54	58
SUCTION SUPERHEAT (°F)			17	13	10	9	8	8	9	12
OUTDOOR UNIT CURRENT (A)			3.8	4.1	4.4	5.0	5.8	6.7	7.8	9.1
COMPRESSOR CURRENT (A)			2.9	3.2	3.6	4.2	5.0	5.9	7.0	8.3
INDOOR COIL DB TEMP DROP (°F)		27	28	28	27	27	26	25	24	
1000		LIQUID PRESSURE (PSIG)	189	215	253	300	358	426	505	594
		LIQUID TEMPERATURE (°F)	59	67	78	88	99	109	119	127
		LIQUID SUBCOOLING (°F)	7	7	7	8	10	13	16	21
		SUCTION PRESSURE (PSIG)	116	120	123	127	130	133	135	138
		SUCTION TEMPERATURE (°F)	57	55	53	54	54	55	57	61
		SUCTION SUPERHEAT (°F)	18	14	11	10	9	9	10	13
		OUTDOOR UNIT CURRENT (A)	3.8	4.0	4.4	5.0	5.7	6.6	7.7	9.0
		COMPRESSOR CURRENT (A)	2.9	3.1	3.6	4.2	4.9	5.8	6.9	8.2
INDOOR COIL DB TEMP DROP (°F)		24	25	25	24	24	23	22	21	
1200		LIQUID PRESSURE (PSIG)	186	212	250	297	355	423	502	591
		LIQUID TEMPERATURE (°F)	59	67	78	88	99	109	119	128
		LIQUID SUBCOOLING (°F)	6	6	6	7	9	12	15	20
		SUCTION PRESSURE (PSIG)	121	125	128	132	135	138	140	143
		SUCTION TEMPERATURE (°F)	60	58	56	57	57	58	60	64
		SUCTION SUPERHEAT (°F)	19	15	12	11	10	10	11	14
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.3	4.9	5.6	6.6	7.7	8.9
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.1	4.8	5.8	6.9	8.1
INDOOR COIL DB TEMP DROP (°F)		21	22	22	21	21	20	19	18	

Continued on next page.

## TCD30B32 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	800	LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494	577
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	110	118	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	11	15	18
		SUCTION PRESSURE (PSIG)	119	125	130	134	138	141	143	144
		SUCTION TEMPERATURE (°F)	62	59	57	56	55	56	58	61
		SUCTION SUPERHEAT (°F)	22	16	12	9	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	3.8	4.0	4.4	5.0	5.7	6.5	7.4	8.5
		COMPRESSOR CURRENT (A)	2.9	3.2	3.6	4.1	4.8	5.7	6.6	7.7
	INDOOR COIL DB TEMP DROP (°F)	22	23	23	23	22	22	21	20	
	1000	LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494	577
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	110	118	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	11	15	18
		SUCTION PRESSURE (PSIG)	122	128	133	137	141	144	146	147
		SUCTION TEMPERATURE (°F)	65	61	59	58	57	59	60	63
		SUCTION SUPERHEAT (°F)	23	17	13	10	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	3.8	4.0	4.4	5.0	5.7	6.5	7.4	8.5
		COMPRESSOR CURRENT (A)	2.9	3.2	3.6	4.1	4.8	5.7	6.6	7.7
	INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	20	20	19	18	
	1200	LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494	577
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	110	118	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	11	15	18
		SUCTION PRESSURE (PSIG)	125	131	136	140	144	147	149	150
		SUCTION TEMPERATURE (°F)	67	63	61	60	60	61	63	65
		SUCTION SUPERHEAT (°F)	24	18	14	11	9	9	10	12
		OUTDOOR UNIT CURRENT (A)	3.8	4.0	4.4	5.0	5.7	6.5	7.4	8.5
		COMPRESSOR CURRENT (A)	2.9	3.2	3.6	4.1	4.8	5.7	6.6	7.7
	INDOOR COIL DB TEMP DROP (°F)	18	19	19	19	18	18	17	16	
	80/72	800	LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482
LIQUID TEMPERATURE (°F)			58	68	78	89	99	110	119	128
LIQUID SUBCOOLING (°F)			10	8	8	8	9	10	12	15
SUCTION PRESSURE (PSIG)			123	131	138	145	149	153	156	157
SUCTION TEMPERATURE (°F)			67	64	63	62	62	62	63	64
SUCTION SUPERHEAT (°F)			25	19	15	11	9	8	8	9
OUTDOOR UNIT CURRENT (A)			3.8	4.1	4.5	5.0	5.6	6.3	7.2	8.2
COMPRESSOR CURRENT (A)			2.9	3.2	3.6	4.1	4.8	5.5	6.4	7.4
INDOOR COIL DB TEMP DROP (°F)		18	18	18	18	18	18	17	16	
1000		LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482	558
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	10	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	126	134	141	148	152	156	159	160
		SUCTION TEMPERATURE (°F)	69	67	65	64	64	64	65	67
		SUCTION SUPERHEAT (°F)	26	20	16	12	10	9	9	10
		OUTDOOR UNIT CURRENT (A)	3.8	4.1	4.5	5.0	5.6	6.3	7.2	8.2
		COMPRESSOR CURRENT (A)	2.9	3.2	3.6	4.1	4.8	5.5	6.4	7.4
INDOOR COIL DB TEMP DROP (°F)		16	16	16	16	16	16	15	14	
1200		LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482	558
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	10	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	129	137	144	151	155	159	162	163
		SUCTION TEMPERATURE (°F)	72	69	68	66	66	66	67	69
		SUCTION SUPERHEAT (°F)	27	21	17	13	11	10	10	11
		OUTDOOR UNIT CURRENT (A)	3.8	4.1	4.5	5.0	5.6	6.3	7.2	8.2
		COMPRESSOR CURRENT (A)	2.9	3.2	3.6	4.1	4.8	5.5	6.4	7.4
INDOOR COIL DB TEMP DROP (°F)		14	14	14	14	14	14	13	12	

## TCD30B42 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	195	221	257	306	366	437	520	614
		LIQUID TEMPERATURE (°F)	61	69	79	89	99	111	120	130
		LIQUID SUBCOOLING (°F)	7	7	7	9	11	13	17	21
		SUCTION PRESSURE (PSIG)	112	115	119	122	125	128	130	132
		SUCTION TEMPERATURE (°F)	52	51	50	50	50	51	53	56
		SUCTION SUPERHEAT (°F)	15	12	10	8	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	3.9	4.0	4.4	5.1	5.8	6.8	8.0	9.2
		COMPRESSOR CURRENT (A)	3.0	3.2	3.6	4.2	5.0	6.0	7.2	8.5
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	22	22	21	20	
	1000	LIQUID PRESSURE (PSIG)	189	215	251	300	360	431	514	608
		LIQUID TEMPERATURE (°F)	59	67	77	87	98	109	119	129
		LIQUID SUBCOOLING (°F)	7	7	7	9	11	13	17	21
		SUCTION PRESSURE (PSIG)	116	119	123	126	129	132	134	136
		SUCTION TEMPERATURE (°F)	55	53	53	52	53	54	56	58
		SUCTION SUPERHEAT (°F)	16	13	11	9	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	3.8	3.9	4.3	5.0	5.7	6.7	7.8	9.1
		COMPRESSOR CURRENT (A)	2.9	3.1	3.5	4.1	4.9	5.9	7.0	8.4
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	20	20	19	18	
	1200	LIQUID PRESSURE (PSIG)	183	209	245	294	354	425	508	602
		LIQUID TEMPERATURE (°F)	58	67	77	87	98	109	119	129
		LIQUID SUBCOOLING (°F)	6	6	6	8	10	12	16	20
		SUCTION PRESSURE (PSIG)	120	123	127	130	133	136	138	140
		SUCTION TEMPERATURE (°F)	58	56	56	55	55	56	58	61
		SUCTION SUPERHEAT (°F)	17	14	12	10	9	9	10	12
OUTDOOR UNIT CURRENT (A)		3.7	3.8	4.2	4.9	5.6	6.6	7.7	9.0	
COMPRESSOR CURRENT (A)		2.8	3.0	3.4	4.0	4.8	5.8	6.9	8.3	
INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	18	18	17	16		
80/57	800	LIQUID PRESSURE (PSIG)	190	217	254	302	359	426	504	592
		LIQUID TEMPERATURE (°F)	60	68	77	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	7	7	8	9	11	14	17	21
		SUCTION PRESSURE (PSIG)	102	106	110	114	118	122	125	129
		SUCTION TEMPERATURE (°F)	49	47	47	47	49	51	53	57
		SUCTION SUPERHEAT (°F)	16	13	11	9	9	9	10	12
		OUTDOOR UNIT CURRENT (A)	3.8	4.1	4.5	5.1	5.8	6.8	7.8	9.1
		COMPRESSOR CURRENT (A)	3.0	3.2	3.6	4.3	5.0	5.9	7.0	8.3
	INDOOR COIL DB TEMP DROP (°F)	31	31	30	30	29	28	27	25	
	1000	LIQUID PRESSURE (PSIG)	186	213	250	298	355	422	500	588
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	6	6	7	8	10	13	16	20
		SUCTION PRESSURE (PSIG)	109	113	117	121	125	129	132	136
		SUCTION TEMPERATURE (°F)	53	52	51	51	53	55	57	60
		SUCTION SUPERHEAT (°F)	17	14	12	10	10	10	11	13
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.4	5.0	5.7	6.7	7.7	8.9
		COMPRESSOR CURRENT (A)	2.9	3.1	3.5	4.2	4.9	5.8	6.9	8.1
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	25	24	23	21	
	1200	LIQUID PRESSURE (PSIG)	182	209	246	294	351	418	496	584
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	5	5	6	7	9	12	15	19
		SUCTION PRESSURE (PSIG)	116	120	124	128	132	136	139	143
		SUCTION TEMPERATURE (°F)	57	56	56	55	57	58	61	64
		SUCTION SUPERHEAT (°F)	18	15	13	11	11	11	12	14
OUTDOOR UNIT CURRENT (A)		3.6	3.9	4.3	4.8	5.6	6.6	7.6	8.8	
COMPRESSOR CURRENT (A)		2.8	3.0	3.4	4.0	4.8	5.7	6.8	8.0	
INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19	17		

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## TCD30B42 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	800	LIQUID PRESSURE (PSIG)	192	218	256	303	361	429	508	597
		LIQUID TEMPERATURE (°F)	59	67	77	88	98	108	118	126
		LIQUID SUBCOOLING (°F)	8	8	8	9	11	14	17	22
		SUCTION PRESSURE (PSIG)	111	115	118	122	125	128	130	133
		SUCTION TEMPERATURE (°F)	54	52	50	51	51	52	54	58
		SUCTION SUPERHEAT (°F)	17	13	10	9	8	8	9	12
		OUTDOOR UNIT CURRENT (A)	3.8	4.1	4.4	5.0	5.8	6.7	7.8	9.1
		COMPRESSOR CURRENT (A)	2.9	3.2	3.6	4.2	5.0	5.9	7.0	8.3
	INDOOR COIL DB TEMP DROP (°F)	27	28	28	27	27	26	25	24	
	1000	LIQUID PRESSURE (PSIG)	189	215	253	300	358	426	505	594
		LIQUID TEMPERATURE (°F)	59	67	78	88	99	109	119	127
		LIQUID SUBCOOLING (°F)	7	7	7	8	10	13	16	21
		SUCTION PRESSURE (PSIG)	116	120	123	127	130	133	135	138
		SUCTION TEMPERATURE (°F)	57	55	53	54	54	55	57	61
		SUCTION SUPERHEAT (°F)	18	14	11	10	9	9	10	13
		OUTDOOR UNIT CURRENT (A)	3.8	4.0	4.4	5.0	5.7	6.6	7.7	9.0
		COMPRESSOR CURRENT (A)	2.9	3.1	3.6	4.2	4.9	5.8	6.9	8.2
	INDOOR COIL DB TEMP DROP (°F)	24	25	25	24	24	23	22	21	
	1200	LIQUID PRESSURE (PSIG)	186	212	250	297	355	423	502	591
		LIQUID TEMPERATURE (°F)	59	67	78	88	99	109	119	128
		LIQUID SUBCOOLING (°F)	6	6	6	7	9	12	15	20
		SUCTION PRESSURE (PSIG)	121	125	128	132	135	138	140	143
		SUCTION TEMPERATURE (°F)	60	58	56	57	57	58	60	64
		SUCTION SUPERHEAT (°F)	19	15	12	11	10	10	11	14
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.3	4.9	5.6	6.6	7.7	8.9
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.1	4.8	5.8	6.9	8.1
	INDOOR COIL DB TEMP DROP (°F)	21	22	22	21	21	20	19	18	
	80/67	800	LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494
LIQUID TEMPERATURE (°F)			59	68	78	88	99	110	118	128
LIQUID SUBCOOLING (°F)			8	7	7	8	9	11	15	18
SUCTION PRESSURE (PSIG)			119	125	130	134	138	141	143	144
SUCTION TEMPERATURE (°F)			62	59	57	56	55	56	58	61
SUCTION SUPERHEAT (°F)			22	16	12	9	7	7	8	10
OUTDOOR UNIT CURRENT (A)			3.8	4.0	4.4	5.0	5.7	6.5	7.4	8.5
COMPRESSOR CURRENT (A)			2.9	3.2	3.6	4.1	4.8	5.7	6.6	7.7
INDOOR COIL DB TEMP DROP (°F)		22	23	23	23	22	22	21	20	
1000		LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494	577
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	110	118	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	11	15	18
		SUCTION PRESSURE (PSIG)	122	128	133	137	141	144	146	147
		SUCTION TEMPERATURE (°F)	65	61	59	58	57	59	60	63
		SUCTION SUPERHEAT (°F)	23	17	13	10	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	3.8	4.0	4.4	5.0	5.7	6.5	7.4	8.5
		COMPRESSOR CURRENT (A)	2.9	3.2	3.6	4.1	4.8	5.7	6.6	7.7
INDOOR COIL DB TEMP DROP (°F)		20	21	21	21	20	20	19	18	
1200		LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494	577
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	110	118	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	11	15	18
		SUCTION PRESSURE (PSIG)	125	131	136	140	144	147	149	150
		SUCTION TEMPERATURE (°F)	67	63	61	60	60	61	63	65
		SUCTION SUPERHEAT (°F)	24	18	14	11	9	9	10	12
		OUTDOOR UNIT CURRENT (A)	3.8	4.0	4.4	5.0	5.7	6.5	7.4	8.5
		COMPRESSOR CURRENT (A)	2.9	3.2	3.6	4.1	4.8	5.7	6.6	7.7
INDOOR COIL DB TEMP DROP (°F)		18	19	19	19	18	18	17	16	

Continued on next page.

## TCD30B42 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	800	LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482	558
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	10	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	123	131	138	145	149	153	156	157
		SUCTION TEMPERATURE (°F)	67	64	63	62	62	62	63	64
		SUCTION SUPERHEAT (°F)	25	19	15	11	9	8	8	9
		OUTDOOR UNIT CURRENT (A)	3.8	4.1	4.5	5.0	5.6	6.3	7.2	8.2
		COMPRESSOR CURRENT (A)	2.9	3.2	3.6	4.1	4.8	5.5	6.4	7.4
		INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	18	18	17	16
	1000	LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482	558
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	10	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	126	134	141	148	152	156	159	160
		SUCTION TEMPERATURE (°F)	69	67	65	64	64	64	65	67
		SUCTION SUPERHEAT (°F)	26	20	16	12	10	9	9	10
		OUTDOOR UNIT CURRENT (A)	3.8	4.1	4.5	5.0	5.6	6.3	7.2	8.2
		COMPRESSOR CURRENT (A)	2.9	3.2	3.6	4.1	4.8	5.5	6.4	7.4
		INDOOR COIL DB TEMP DROP (°F)	16	16	16	16	16	16	15	14
	1200	LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482	558
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	10	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	129	137	144	151	155	159	162	163
		SUCTION TEMPERATURE (°F)	72	69	68	66	66	66	67	69
		SUCTION SUPERHEAT (°F)	27	21	17	13	11	10	10	11
		OUTDOOR UNIT CURRENT (A)	3.8	4.1	4.5	5.0	5.6	6.3	7.2	8.2
		COMPRESSOR CURRENT (A)	2.9	3.2	3.6	4.1	4.8	5.5	6.4	7.4
		INDOOR COIL DB TEMP DROP (°F)	14	14	14	14	14	14	13	12

FOR USE WITH MODELS:

TCD36B31

TCD36B41

TCD36B51

TCD36B(3,4,5)1 SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	194(9)	195(9)	197(10)	196(9)
60	209(9)	211(10)	213(10)	212(9)
65	226(9)	228(10)	230(10)	230(9)
70	245(10)	247(10)	249(10)	249(9)
75	265(10)	267(10)	269(10)	269(9)
80	287(10)	289(10)	290(10)	290(9)
85	310(11)	312(11)	313(11)	313(9)
90	335(11)	336(11)	337(11)	337(10)
95	361(11)	363(11)	363(11)	363(10)
100	389(12)	390(12)	390(11)	389(10)
105	418(12)	419(12)	419(12)	417(11)
110	449(12)	450(13)	449(12)	447(11)
115	482(13)	482(13)	481(13)	477(11)
120	516(13)	516(13)	514(13)	509(12)
125	551(14)	551(14)	548(14)	542(12)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## TCD36B31 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	198	231	271	316	368	425	489	558
		LIQUID TEMPERATURE (°F)	60	69	78	89	99	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	11	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	116	117	119	122	125	129	134	140
		SUCTION TEMPERATURE (°F)	48	50	52	54	56	57	58	59
		SUCTION SUPERHEAT (°F)	9	11	12	12	13	12	11	10
		OUTDOOR UNIT CURRENT (A)	4.7	5.3	5.8	6.4	6.9	7.4	7.9	8.3
		COMPRESSOR CURRENT (A)	3.6	4.2	4.7	5.3	5.8	6.3	6.8	7.2
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	20	19	
	1200	LIQUID PRESSURE (PSIG)	196	229	269	314	366	423	487	556
		LIQUID TEMPERATURE (°F)	60	68	78	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	11	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	120	121	123	126	129	133	138	144
		SUCTION TEMPERATURE (°F)	50	52	54	55	58	58	59	61
		SUCTION SUPERHEAT (°F)	9	11	12	12	13	12	11	10
		OUTDOOR UNIT CURRENT (A)	4.7	5.3	5.8	6.4	6.9	7.4	7.9	8.3
		COMPRESSOR CURRENT (A)	3.6	4.2	4.7	5.3	5.8	6.3	6.8	7.2
	INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	18	17	
	1400	LIQUID PRESSURE (PSIG)	194	227	267	312	364	421	485	554
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	11	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	124	125	127	130	133	137	142	148
		SUCTION TEMPERATURE (°F)	52	54	56	57	59	60	61	62
		SUCTION SUPERHEAT (°F)	9	11	12	12	13	12	11	10
OUTDOOR UNIT CURRENT (A)		4.7	5.3	5.8	6.4	6.9	7.4	7.9	8.3	
COMPRESSOR CURRENT (A)		3.6	4.2	4.7	5.3	5.8	6.3	6.8	7.2	
INDOOR COIL DB TEMP DROP (°F)	21	20	19	18	17	16	16	15		

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## TCD36B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1000	LIQUID PRESSURE (PSIG)	196	228	267	312	363	420	484	553
		LIQUID TEMPERATURE (°F)	59	68	77	87	98	108	117	127
		LIQUID SUBCOOLING (°F)	10	10	11	12	12	13	14	15
		SUCTION PRESSURE (PSIG)	105	108	111	115	120	126	133	141
		SUCTION TEMPERATURE (°F)	45	48	51	54	56	58	60	62
		SUCTION SUPERHEAT (°F)	11	13	14	15	15	15	14	13
		OUTDOOR UNIT CURRENT (A)	4.8	5.3	5.8	6.3	6.8	7.3	7.9	8.4
		COMPRESSOR CURRENT (A)	3.6	4.2	4.7	5.2	5.7	6.2	6.8	7.3
	INDOOR COIL DB TEMP DROP (°F)	32	30	28	27	25	24	22	21	
	1200	LIQUID PRESSURE (PSIG)	194	226	265	310	361	418	482	551
		LIQUID TEMPERATURE (°F)	59	68	78	87	98	108	118	128
		LIQUID SUBCOOLING (°F)	9	9	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	111	114	117	121	126	132	139	147
		SUCTION TEMPERATURE (°F)	47	50	52	55	57	60	62	64
		SUCTION SUPERHEAT (°F)	10	12	13	14	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	4.8	5.3	5.8	6.3	6.8	7.3	7.9	8.4
		COMPRESSOR CURRENT (A)	3.6	4.2	4.7	5.2	5.7	6.2	6.8	7.3
	INDOOR COIL DB TEMP DROP (°F)	30	28	26	25	23	22	20	19	
	1400	LIQUID PRESSURE (PSIG)	192	224	263	308	359	416	480	549
		LIQUID TEMPERATURE (°F)	59	69	78	88	99	109	119	129
		LIQUID SUBCOOLING (°F)	8	8	9	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	117	120	123	127	132	138	145	153
		SUCTION TEMPERATURE (°F)	48	52	54	57	59	61	63	65
		SUCTION SUPERHEAT (°F)	9	11	12	13	13	13	12	11
		OUTDOOR UNIT CURRENT (A)	4.8	5.3	5.8	6.3	6.8	7.3	7.9	8.4
		COMPRESSOR CURRENT (A)	3.6	4.2	4.7	5.2	5.7	6.2	6.8	7.3
	INDOOR COIL DB TEMP DROP (°F)	28	26	24	23	21	20	18	17	
	80/62	1000	LIQUID PRESSURE (PSIG)	197	230	269	314	365	421	484
LIQUID TEMPERATURE (°F)			59	68	78	87	98	108	117	127
LIQUID SUBCOOLING (°F)			10	11	11	12	12	13	14	15
SUCTION PRESSURE (PSIG)			116	117	119	122	126	131	137	144
SUCTION TEMPERATURE (°F)			49	50	53	55	57	59	61	63
SUCTION SUPERHEAT (°F)			10	11	13	13	14	14	13	12
OUTDOOR UNIT CURRENT (A)			4.7	5.3	5.8	6.4	6.9	7.4	7.9	8.3
COMPRESSOR CURRENT (A)			3.6	4.2	4.7	5.3	5.8	6.3	6.8	7.3
INDOOR COIL DB TEMP DROP (°F)		29	28	27	25	24	23	22	21	
1200		LIQUID PRESSURE (PSIG)	195	228	267	312	363	419	482	551
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	120	121	123	126	130	135	141	148
		SUCTION TEMPERATURE (°F)	51	52	55	56	59	61	62	64
		SUCTION SUPERHEAT (°F)	10	11	13	13	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	4.7	5.3	5.8	6.4	6.9	7.4	7.9	8.3
		COMPRESSOR CURRENT (A)	3.6	4.2	4.7	5.3	5.8	6.3	6.8	7.3
INDOOR COIL DB TEMP DROP (°F)		27	26	25	23	22	21	20	19	
1400		LIQUID PRESSURE (PSIG)	193	226	265	310	361	417	480	549
		LIQUID TEMPERATURE (°F)	59	67	78	87	98	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	124	125	127	130	134	139	145	152
		SUCTION TEMPERATURE (°F)	53	54	57	58	61	63	64	66
		SUCTION SUPERHEAT (°F)	10	11	13	13	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	4.7	5.3	5.8	6.4	6.9	7.4	7.9	8.3
		COMPRESSOR CURRENT (A)	3.6	4.2	4.7	5.3	5.8	6.3	6.8	7.3
INDOOR COIL DB TEMP DROP (°F)		25	24	23	21	20	19	18	17	

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## TCD36B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1000	LIQUID PRESSURE (PSIG)	198	231	270	314	364	420	482	549
		LIQUID TEMPERATURE (°F)	59	69	79	88	99	109	118	128
		LIQUID SUBCOOLING (°F)	10	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	125	129	132	136	140	144	148	153
		SUCTION TEMPERATURE (°F)	57	57	56	56	58	60	61	64
		SUCTION SUPERHEAT (°F)	14	12	10	9	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	4.7	5.3	5.8	6.4	7.0	7.5	8.0	8.5
		COMPRESSOR CURRENT (A)	3.6	4.2	4.7	5.3	5.9	6.4	6.9	7.4
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	21	20	19	
	1200	LIQUID PRESSURE (PSIG)	197	230	269	313	363	419	481	548
		LIQUID TEMPERATURE (°F)	59	69	79	88	99	108	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	128	132	135	139	143	147	151	156
		SUCTION TEMPERATURE (°F)	59	59	58	59	60	62	63	66
		SUCTION SUPERHEAT (°F)	15	13	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	4.7	5.3	5.8	6.4	7.0	7.5	8.0	8.5
		COMPRESSOR CURRENT (A)	3.6	4.2	4.7	5.3	5.9	6.4	6.9	7.4
	INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	19	18	17	
	1400	LIQUID PRESSURE (PSIG)	196	229	268	312	362	418	480	547
		LIQUID TEMPERATURE (°F)	59	68	79	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	131	135	138	142	146	150	154	159
		SUCTION TEMPERATURE (°F)	61	61	60	61	62	64	65	68
		SUCTION SUPERHEAT (°F)	16	14	12	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	4.7	5.3	5.8	6.4	7.0	7.5	8.0	8.5
		COMPRESSOR CURRENT (A)	3.6	4.2	4.7	5.3	5.9	6.4	6.9	7.4
	INDOOR COIL DB TEMP DROP (°F)	21	20	19	18	17	17	16	15	
	80/72	1000	LIQUID PRESSURE (PSIG)	197	231	270	314	364	418	478
LIQUID TEMPERATURE (°F)			60	70	80	90	100	109	119	129
LIQUID SUBCOOLING (°F)			9	9	9	9	10	11	11	12
SUCTION PRESSURE (PSIG)			117	130	140	149	155	160	162	163
SUCTION TEMPERATURE (°F)			49	55	59	63	65	67	67	68
SUCTION SUPERHEAT (°F)			10	10	10	10	10	10	10	10
OUTDOOR UNIT CURRENT (A)			4.8	5.3	5.8	6.4	7.0	7.6	8.2	8.8
COMPRESSOR CURRENT (A)			3.6	4.2	4.7	5.4	5.9	6.5	7.2	7.8
INDOOR COIL DB TEMP DROP (°F)		29	24	21	18	16	15	15	15	
1200		LIQUID PRESSURE (PSIG)	196	230	269	313	363	417	477	542
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	11	11	12
		SUCTION PRESSURE (PSIG)	121	134	144	153	159	164	166	167
		SUCTION TEMPERATURE (°F)	51	57	61	64	66	68	69	69
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	4.8	5.3	5.8	6.4	7.0	7.6	8.2	8.8
		COMPRESSOR CURRENT (A)	3.6	4.2	4.7	5.4	5.9	6.5	7.2	7.8
INDOOR COIL DB TEMP DROP (°F)		27	22	19	16	14	13	13	13	
1400		LIQUID PRESSURE (PSIG)	195	229	268	312	362	416	476	541
		LIQUID TEMPERATURE (°F)	59	69	80	90	99	109	119	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	11	11	12
		SUCTION PRESSURE (PSIG)	125	138	148	157	163	168	170	171
		SUCTION TEMPERATURE (°F)	53	58	62	65	68	69	70	70
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	4.8	5.3	5.8	6.4	7.0	7.6	8.2	8.8
		COMPRESSOR CURRENT (A)	3.6	4.2	4.7	5.4	5.9	6.5	7.2	7.8
INDOOR COIL DB TEMP DROP (°F)		25	20	17	14	12	11	11	11	



## TCD36B41 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	198	231	271	316	368	425	489	558
		LIQUID TEMPERATURE (°F)	60	69	78	89	99	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	11	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	116	117	119	122	125	129	134	140
		SUCTION TEMPERATURE (°F)	48	50	52	54	56	57	58	59
		SUCTION SUPERHEAT (°F)	9	11	12	12	13	12	11	10
		OUTDOOR UNIT CURRENT (A)	2.4	2.7	2.9	3.2	3.4	3.7	3.9	4.2
		COMPRESSOR CURRENT (A)	1.8	2.1	2.4	2.6	2.9	3.1	3.4	3.6
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	20	19	
	1200	LIQUID PRESSURE (PSIG)	196	229	269	314	366	423	487	556
		LIQUID TEMPERATURE (°F)	60	68	78	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	11	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	120	121	123	126	129	133	138	144
		SUCTION TEMPERATURE (°F)	50	52	54	55	58	58	59	61
		SUCTION SUPERHEAT (°F)	9	11	12	12	13	12	11	10
		OUTDOOR UNIT CURRENT (A)	2.4	2.7	2.9	3.2	3.4	3.7	3.9	4.2
		COMPRESSOR CURRENT (A)	1.8	2.1	2.4	2.6	2.9	3.1	3.4	3.6
	INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	18	17	
	1400	LIQUID PRESSURE (PSIG)	194	227	267	312	364	421	485	554
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	11	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	124	125	127	130	133	137	142	148
		SUCTION TEMPERATURE (°F)	52	54	56	57	59	60	61	62
		SUCTION SUPERHEAT (°F)	9	11	12	12	13	12	11	10
		OUTDOOR UNIT CURRENT (A)	2.4	2.7	2.9	3.2	3.4	3.7	3.9	4.2
		COMPRESSOR CURRENT (A)	1.8	2.1	2.4	2.6	2.9	3.1	3.4	3.6
	INDOOR COIL DB TEMP DROP (°F)	21	20	19	18	17	16	16	15	
	80/57	1000	LIQUID PRESSURE (PSIG)	196	228	267	312	363	420	484
LIQUID TEMPERATURE (°F)			59	68	77	87	98	108	117	127
LIQUID SUBCOOLING (°F)			10	10	11	12	12	13	14	15
SUCTION PRESSURE (PSIG)			105	108	111	115	120	126	133	141
SUCTION TEMPERATURE (°F)			45	48	51	54	56	58	60	62
SUCTION SUPERHEAT (°F)			11	13	14	15	15	15	14	13
OUTDOOR UNIT CURRENT (A)			2.4	2.6	2.9	3.1	3.4	3.7	3.9	4.2
COMPRESSOR CURRENT (A)			1.8	2.1	2.3	2.6	2.9	3.1	3.4	3.7
INDOOR COIL DB TEMP DROP (°F)		32	30	28	27	25	24	22	21	
1200		LIQUID PRESSURE (PSIG)	194	226	265	310	361	418	482	551
		LIQUID TEMPERATURE (°F)	59	68	78	87	98	108	118	128
		LIQUID SUBCOOLING (°F)	9	9	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	111	114	117	121	126	132	139	147
		SUCTION TEMPERATURE (°F)	47	50	52	55	57	60	62	64
		SUCTION SUPERHEAT (°F)	10	12	13	14	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	2.4	2.6	2.9	3.1	3.4	3.7	3.9	4.2
		COMPRESSOR CURRENT (A)	1.8	2.1	2.3	2.6	2.9	3.1	3.4	3.7
INDOOR COIL DB TEMP DROP (°F)		30	28	26	25	23	22	20	19	
1400		LIQUID PRESSURE (PSIG)	192	224	263	308	359	416	480	549
		LIQUID TEMPERATURE (°F)	59	69	78	88	99	109	119	129
		LIQUID SUBCOOLING (°F)	8	8	9	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	117	120	123	127	132	138	145	153
		SUCTION TEMPERATURE (°F)	48	52	54	57	59	61	63	65
		SUCTION SUPERHEAT (°F)	9	11	12	13	13	13	12	11
		OUTDOOR UNIT CURRENT (A)	2.4	2.6	2.9	3.1	3.4	3.7	3.9	4.2
		COMPRESSOR CURRENT (A)	1.8	2.1	2.3	2.6	2.9	3.1	3.4	3.7
INDOOR COIL DB TEMP DROP (°F)		28	26	24	23	21	20	18	17	

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## TCD36B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1000	LIQUID PRESSURE (PSIG)	197	230	269	314	365	421	484	553
		LIQUID TEMPERATURE (°F)	59	68	78	87	98	108	117	127
		LIQUID SUBCOOLING (°F)	10	11	11	12	12	13	14	15
		SUCTION PRESSURE (PSIG)	116	117	119	122	126	131	137	144
		SUCTION TEMPERATURE (°F)	49	50	53	55	57	59	61	63
		SUCTION SUPERHEAT (°F)	10	11	13	13	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	2.4	2.6	2.9	3.2	3.4	3.7	4.0	4.2
		COMPRESSOR CURRENT (A)	1.8	2.1	2.4	2.6	2.9	3.1	3.4	3.7
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	25	24	23	22	21	
	1200	LIQUID PRESSURE (PSIG)	195	228	267	312	363	419	482	551
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	120	121	123	126	130	135	141	148
		SUCTION TEMPERATURE (°F)	51	52	55	56	59	61	62	64
		SUCTION SUPERHEAT (°F)	10	11	13	13	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	2.4	2.6	2.9	3.2	3.4	3.7	4.0	4.2
		COMPRESSOR CURRENT (A)	1.8	2.1	2.4	2.6	2.9	3.1	3.4	3.7
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	23	22	21	20	19	
	1400	LIQUID PRESSURE (PSIG)	193	226	265	310	361	417	480	549
		LIQUID TEMPERATURE (°F)	59	67	78	87	98	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	124	125	127	130	134	139	145	152
		SUCTION TEMPERATURE (°F)	53	54	57	58	61	63	64	66
		SUCTION SUPERHEAT (°F)	10	11	13	13	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	2.4	2.6	2.9	3.2	3.4	3.7	4.0	4.2
		COMPRESSOR CURRENT (A)	1.8	2.1	2.4	2.6	2.9	3.1	3.4	3.7
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	21	20	19	18	17	
	80/67	1000	LIQUID PRESSURE (PSIG)	198	231	270	314	364	420	482
LIQUID TEMPERATURE (°F)			59	69	79	88	99	109	118	128
LIQUID SUBCOOLING (°F)			10	10	10	11	11	12	13	14
SUCTION PRESSURE (PSIG)			125	129	132	136	140	144	148	153
SUCTION TEMPERATURE (°F)			57	57	56	56	58	60	61	64
SUCTION SUPERHEAT (°F)			14	12	10	9	9	9	9	10
OUTDOOR UNIT CURRENT (A)			2.3	2.6	2.9	3.2	3.5	3.8	4.0	4.3
COMPRESSOR CURRENT (A)			1.8	2.1	2.4	2.7	2.9	3.2	3.5	3.7
INDOOR COIL DB TEMP DROP (°F)		25	24	23	22	21	21	20	19	
1200		LIQUID PRESSURE (PSIG)	197	230	269	313	363	419	481	548
		LIQUID TEMPERATURE (°F)	59	69	79	88	99	108	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	128	132	135	139	143	147	151	156
		SUCTION TEMPERATURE (°F)	59	59	58	59	60	62	63	66
		SUCTION SUPERHEAT (°F)	15	13	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	2.3	2.6	2.9	3.2	3.5	3.8	4.0	4.3
		COMPRESSOR CURRENT (A)	1.8	2.1	2.4	2.7	2.9	3.2	3.5	3.7
INDOOR COIL DB TEMP DROP (°F)		23	22	21	20	19	19	18	17	
1400		LIQUID PRESSURE (PSIG)	196	229	268	312	362	418	480	547
		LIQUID TEMPERATURE (°F)	59	68	79	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	131	135	138	142	146	150	154	159
		SUCTION TEMPERATURE (°F)	61	61	60	61	62	64	65	68
		SUCTION SUPERHEAT (°F)	16	14	12	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	2.3	2.6	2.9	3.2	3.5	3.8	4.0	4.3
		COMPRESSOR CURRENT (A)	1.8	2.1	2.4	2.7	2.9	3.2	3.5	3.7
INDOOR COIL DB TEMP DROP (°F)		21	20	19	18	17	17	16	15	

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## TCD36B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1000	LIQUID PRESSURE (PSIG)	197	231	270	314	364	418	478	543
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	109	119	129
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	11	11	12
		SUCTION PRESSURE (PSIG)	117	130	140	149	155	160	162	163
		SUCTION TEMPERATURE (°F)	49	55	59	63	65	67	67	68
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	2.4	2.6	2.9	3.2	3.5	3.8	4.1	4.4
		COMPRESSOR CURRENT (A)	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9
	INDOOR COIL DB TEMP DROP (°F)	29	24	21	18	16	15	15	15	
	1200	LIQUID PRESSURE (PSIG)	196	230	269	313	363	417	477	542
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	11	11	12
		SUCTION PRESSURE (PSIG)	121	134	144	153	159	164	166	167
		SUCTION TEMPERATURE (°F)	51	57	61	64	66	68	69	69
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	2.4	2.6	2.9	3.2	3.5	3.8	4.1	4.4
		COMPRESSOR CURRENT (A)	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9
	INDOOR COIL DB TEMP DROP (°F)	27	22	19	16	14	13	13	13	
	1400	LIQUID PRESSURE (PSIG)	195	229	268	312	362	416	476	541
		LIQUID TEMPERATURE (°F)	59	69	80	90	99	109	119	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	11	11	12
		SUCTION PRESSURE (PSIG)	125	138	148	157	163	168	170	171
		SUCTION TEMPERATURE (°F)	53	58	62	65	68	69	70	70
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10	10
OUTDOOR UNIT CURRENT (A)		2.4	2.6	2.9	3.2	3.5	3.8	4.1	4.4	
COMPRESSOR CURRENT (A)		1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	
INDOOR COIL DB TEMP DROP (°F)	25	20	17	14	12	11	11	11		

## TCD36B51 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	198	231	271	316	368	425	489	558
		LIQUID TEMPERATURE (°F)	60	69	78	89	99	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	11	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	116	117	119	122	125	129	134	140
		SUCTION TEMPERATURE (°F)	48	50	52	54	56	57	58	59
		SUCTION SUPERHEAT (°F)	9	11	12	12	13	12	11	10
		OUTDOOR UNIT CURRENT (A)	1.9	2.1	2.3	2.5	2.7	3.0	3.1	3.3
		COMPRESSOR CURRENT (A)	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	20	19	
	1200	LIQUID PRESSURE (PSIG)	196	229	269	314	366	423	487	556
		LIQUID TEMPERATURE (°F)	60	68	78	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	11	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	120	121	123	126	129	133	138	144
		SUCTION TEMPERATURE (°F)	50	52	54	55	58	58	59	61
		SUCTION SUPERHEAT (°F)	9	11	12	12	13	12	11	10
		OUTDOOR UNIT CURRENT (A)	1.9	2.1	2.3	2.5	2.7	3.0	3.1	3.3
		COMPRESSOR CURRENT (A)	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9
	INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	18	17	
	1400	LIQUID PRESSURE (PSIG)	194	227	267	312	364	421	485	554
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	11	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	124	125	127	130	133	137	142	148
		SUCTION TEMPERATURE (°F)	52	54	56	57	59	60	61	62
		SUCTION SUPERHEAT (°F)	9	11	12	12	13	12	11	10
OUTDOOR UNIT CURRENT (A)		1.9	2.1	2.3	2.5	2.7	3.0	3.1	3.3	
COMPRESSOR CURRENT (A)		1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9	
INDOOR COIL DB TEMP DROP (°F)	21	20	19	18	17	16	16	15		
80/57	1000	LIQUID PRESSURE (PSIG)	196	228	267	312	363	420	484	553
		LIQUID TEMPERATURE (°F)	59	68	77	87	98	108	117	127
		LIQUID SUBCOOLING (°F)	10	10	11	12	12	13	14	15
		SUCTION PRESSURE (PSIG)	105	108	111	115	120	126	133	141
		SUCTION TEMPERATURE (°F)	45	48	51	54	56	58	60	62
		SUCTION SUPERHEAT (°F)	11	13	14	15	15	15	14	13
		OUTDOOR UNIT CURRENT (A)	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.4
		COMPRESSOR CURRENT (A)	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9
	INDOOR COIL DB TEMP DROP (°F)	32	30	28	27	25	24	22	21	
	1200	LIQUID PRESSURE (PSIG)	194	226	265	310	361	418	482	551
		LIQUID TEMPERATURE (°F)	59	68	78	87	98	108	118	128
		LIQUID SUBCOOLING (°F)	9	9	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	111	114	117	121	126	132	139	147
		SUCTION TEMPERATURE (°F)	47	50	52	55	57	60	62	64
		SUCTION SUPERHEAT (°F)	10	12	13	14	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.4
		COMPRESSOR CURRENT (A)	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9
	INDOOR COIL DB TEMP DROP (°F)	30	28	26	25	23	22	20	19	
	1400	LIQUID PRESSURE (PSIG)	192	224	263	308	359	416	480	549
		LIQUID TEMPERATURE (°F)	59	69	78	88	99	109	119	129
		LIQUID SUBCOOLING (°F)	8	8	9	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	117	120	123	127	132	138	145	153
		SUCTION TEMPERATURE (°F)	48	52	54	57	59	61	63	65
		SUCTION SUPERHEAT (°F)	9	11	12	13	13	13	12	11
OUTDOOR UNIT CURRENT (A)		1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.4	
COMPRESSOR CURRENT (A)		1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9	
INDOOR COIL DB TEMP DROP (°F)	28	26	24	23	21	20	18	17		

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## TCD36B51 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1000	LIQUID PRESSURE (PSIG)	197	230	269	314	365	421	484	553
		LIQUID TEMPERATURE (°F)	59	68	78	87	98	108	117	127
		LIQUID SUBCOOLING (°F)	10	11	11	12	12	13	14	15
		SUCTION PRESSURE (PSIG)	116	117	119	122	126	131	137	144
		SUCTION TEMPERATURE (°F)	49	50	53	55	57	59	61	63
		SUCTION SUPERHEAT (°F)	10	11	13	13	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	1.9	2.1	2.3	2.5	2.7	3.0	3.2	3.3
		COMPRESSOR CURRENT (A)	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	25	24	23	22	21	
	1200	LIQUID PRESSURE (PSIG)	195	228	267	312	363	419	482	551
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	120	121	123	126	130	135	141	148
		SUCTION TEMPERATURE (°F)	51	52	55	56	59	61	62	64
		SUCTION SUPERHEAT (°F)	10	11	13	13	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	1.9	2.1	2.3	2.5	2.7	3.0	3.2	3.3
		COMPRESSOR CURRENT (A)	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	23	22	21	20	19	
	1400	LIQUID PRESSURE (PSIG)	193	226	265	310	361	417	480	549
		LIQUID TEMPERATURE (°F)	59	67	78	87	98	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	124	125	127	130	134	139	145	152
		SUCTION TEMPERATURE (°F)	53	54	57	58	61	63	64	66
		SUCTION SUPERHEAT (°F)	10	11	13	13	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	1.9	2.1	2.3	2.5	2.7	3.0	3.2	3.3
		COMPRESSOR CURRENT (A)	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	21	20	19	18	17	
	80/67	1000	LIQUID PRESSURE (PSIG)	198	231	270	314	364	420	482
LIQUID TEMPERATURE (°F)			59	69	79	88	99	109	118	128
LIQUID SUBCOOLING (°F)			10	10	10	11	11	12	13	14
SUCTION PRESSURE (PSIG)			125	129	132	136	140	144	148	153
SUCTION TEMPERATURE (°F)			57	57	56	56	58	60	61	64
SUCTION SUPERHEAT (°F)			14	12	10	9	9	9	9	10
OUTDOOR UNIT CURRENT (A)			1.9	2.1	2.3	2.6	2.8	3.0	3.2	3.4
COMPRESSOR CURRENT (A)			1.4	1.7	1.9	2.1	2.4	2.6	2.8	3.0
INDOOR COIL DB TEMP DROP (°F)		25	24	23	22	21	21	20	19	
1200		LIQUID PRESSURE (PSIG)	197	230	269	313	363	419	481	548
		LIQUID TEMPERATURE (°F)	59	69	79	88	99	108	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	128	132	135	139	143	147	151	156
		SUCTION TEMPERATURE (°F)	59	59	58	59	60	62	63	66
		SUCTION SUPERHEAT (°F)	15	13	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	1.9	2.1	2.3	2.6	2.8	3.0	3.2	3.4
		COMPRESSOR CURRENT (A)	1.4	1.7	1.9	2.1	2.4	2.6	2.8	3.0
INDOOR COIL DB TEMP DROP (°F)		23	22	21	20	19	19	18	17	
1400		LIQUID PRESSURE (PSIG)	196	229	268	312	362	418	480	547
		LIQUID TEMPERATURE (°F)	59	68	79	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	11	12	13	14
		SUCTION PRESSURE (PSIG)	131	135	138	142	146	150	154	159
		SUCTION TEMPERATURE (°F)	61	61	60	61	62	64	65	68
		SUCTION SUPERHEAT (°F)	16	14	12	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	1.9	2.1	2.3	2.6	2.8	3.0	3.2	3.4
		COMPRESSOR CURRENT (A)	1.4	1.7	1.9	2.1	2.4	2.6	2.8	3.0
INDOOR COIL DB TEMP DROP (°F)		21	20	19	18	17	17	16	15	

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## TCD36B51 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1000	LIQUID PRESSURE (PSIG)	197	231	270	314	364	418	478	543
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	109	119	129
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	11	11	12
		SUCTION PRESSURE (PSIG)	117	130	140	149	155	160	162	163
		SUCTION TEMPERATURE (°F)	49	55	59	63	65	67	67	68
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	1.9	2.1	2.3	2.5	2.8	3.0	3.3	3.5
		COMPRESSOR CURRENT (A)	1.4	1.7	1.9	2.1	2.4	2.6	2.9	3.1
	INDOOR COIL DB TEMP DROP (°F)	29	24	21	18	16	15	15	15	
	1200	LIQUID PRESSURE (PSIG)	196	230	269	313	363	417	477	542
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	11	11	12
		SUCTION PRESSURE (PSIG)	121	134	144	153	159	164	166	167
		SUCTION TEMPERATURE (°F)	51	57	61	64	66	68	69	69
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	1.9	2.1	2.3	2.5	2.8	3.0	3.3	3.5
		COMPRESSOR CURRENT (A)	1.4	1.7	1.9	2.1	2.4	2.6	2.9	3.1
	INDOOR COIL DB TEMP DROP (°F)	27	22	19	16	14	13	13	13	
	1400	LIQUID PRESSURE (PSIG)	195	229	268	312	362	416	476	541
		LIQUID TEMPERATURE (°F)	59	69	80	90	99	109	119	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	11	11	12
		SUCTION PRESSURE (PSIG)	125	138	148	157	163	168	170	171
		SUCTION TEMPERATURE (°F)	53	58	62	65	68	69	70	70
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10	10
OUTDOOR UNIT CURRENT (A)		1.9	2.1	2.3	2.5	2.8	3.0	3.3	3.5	
COMPRESSOR CURRENT (A)		1.4	1.7	1.9	2.1	2.4	2.6	2.9	3.1	
INDOOR COIL DB TEMP DROP (°F)	25	20	17	14	12	11	11	11		

FOR USE WITH MODELS:

TCD36B32

TCD36B42

TCD36B52

TCD36B(3,4,5)2 SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	191(10)	194(11)	197(12)	201(13)
60	204(10)	206(10)	209(11)	213(12)
65	219(10)	221(10)	224(11)	228(12)
70	237(10)	238(11)	241(11)	245(11)
75	257(11)	258(11)	260(11)	264(11)
80	280(11)	280(11)	282(11)	285(11)
85	304(12)	305(12)	307(12)	309(11)
90	332(13)	333(13)	333(12)	336(12)
95	361(13)	364(14)	363(13)	364(12)
100	394(14)	397(15)	394(14)	395(13)
105	428(15)	432(16)	428(15)	428(14)
110	465(17)	470(17)	465(16)	463(15)
115	504(18)	511(18)	504(17)	501(16)
120	546(19)	555(20)	545(19)	541(18)
125	590(21)	601(22)	589(20)	583(19)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## TCD36B32 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	197	224	262	311	370	439	519	610
		LIQUID TEMPERATURE (°F)	58	66	75	86	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	17	20	23
		SUCTION PRESSURE (PSIG)	116	116	118	120	122	126	130	135
		SUCTION TEMPERATURE (°F)	50	51	52	54	55	55	57	58
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	4.8	5.1	5.6	6.5	7.5	8.7	10.1	11.9
		COMPRESSOR CURRENT (A)	4.0	4.2	4.7	5.4	6.4	7.6	9.1	10.8
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	22	21	20	20	
	1200	LIQUID PRESSURE (PSIG)	194	221	259	308	367	436	516	607
		LIQUID TEMPERATURE (°F)	57	65	74	85	96	106	117	127
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	17	20	23
		SUCTION PRESSURE (PSIG)	120	120	122	124	126	130	134	139
		SUCTION TEMPERATURE (°F)	52	53	54	56	56	57	59	60
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	4.6	5.0	5.5	6.4	7.4	8.6	10.0	11.7
		COMPRESSOR CURRENT (A)	3.9	4.2	4.7	5.4	6.4	7.6	9.1	10.7
	INDOOR COIL DB TEMP DROP (°F)	22	22	21	20	20	19	18	18	
	1400	LIQUID PRESSURE (PSIG)	191	218	256	305	364	433	513	604
		LIQUID TEMPERATURE (°F)	56	64	73	84	96	106	116	126
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	17	20	23
		SUCTION PRESSURE (PSIG)	124	124	126	128	130	134	138	143
		SUCTION TEMPERATURE (°F)	54	55	55	57	58	59	60	61
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	12	12	11
OUTDOOR UNIT CURRENT (A)		4.5	4.8	5.3	6.2	7.2	8.4	9.8	11.6	
COMPRESSOR CURRENT (A)		3.9	4.1	4.6	5.3	6.3	7.5	9.0	10.7	
INDOOR COIL DB TEMP DROP (°F)	20	20	19	18	18	17	16	16		

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## TCD36B32 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1000	LIQUID PRESSURE (PSIG)	193	221	259	306	363	430	506	592
		LIQUID TEMPERATURE (°F)	57	65	74	85	96	106	116	126
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	16	19	22
		SUCTION PRESSURE (PSIG)	108	109	111	114	117	122	128	135
		SUCTION TEMPERATURE (°F)	46	48	50	51	52	55	57	59
		SUCTION SUPERHEAT (°F)	11	12	13	13	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	4.6	5.0	5.6	6.4	7.4	8.5	9.8	11.4
		COMPRESSOR CURRENT (A)	4.0	4.2	4.7	5.4	6.4	7.5	8.8	10.4
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	28	27	26	24	
	1200	LIQUID PRESSURE (PSIG)	191	219	257	304	361	428	504	590
		LIQUID TEMPERATURE (°F)	57	65	75	85	96	107	117	126
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	15	18	21
		SUCTION PRESSURE (PSIG)	114	115	117	120	123	128	134	141
		SUCTION TEMPERATURE (°F)	49	51	52	54	55	57	60	61
		SUCTION SUPERHEAT (°F)	11	12	13	13	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	4.5	5.0	5.6	6.4	7.3	8.4	9.8	11.3
		COMPRESSOR CURRENT (A)	3.9	4.2	4.7	5.4	6.3	7.4	8.8	10.3
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23	21	
	1400	LIQUID PRESSURE (PSIG)	189	217	255	302	359	426	502	588
		LIQUID TEMPERATURE (°F)	57	66	75	86	97	108	117	127
		LIQUID SUBCOOLING (°F)	9	9	10	11	12	14	17	20
		SUCTION PRESSURE (PSIG)	120	121	123	126	129	134	140	147
		SUCTION TEMPERATURE (°F)	52	53	55	56	58	60	62	64
		SUCTION SUPERHEAT (°F)	11	12	13	13	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	4.5	4.9	5.5	6.3	7.2	8.4	9.7	11.3
		COMPRESSOR CURRENT (A)	3.9	4.1	4.6	5.3	6.2	7.4	8.7	10.3
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20	18	
	80/62	1000	LIQUID PRESSURE (PSIG)	198	225	262	309	368	436	515
LIQUID TEMPERATURE (°F)			58	67	76	86	97	107	118	128
LIQUID SUBCOOLING (°F)			11	10	11	12	14	16	18	22
SUCTION PRESSURE (PSIG)			117	117	119	121	124	127	132	137
SUCTION TEMPERATURE (°F)			51	51	52	53	56	57	59	61
SUCTION SUPERHEAT (°F)			12	12	12	12	13	13	13	13
OUTDOOR UNIT CURRENT (A)			4.8	5.1	5.6	6.4	7.4	8.6	10.0	11.6
COMPRESSOR CURRENT (A)			4.0	4.3	4.7	5.4	6.4	7.6	9.1	10.7
INDOOR COIL DB TEMP DROP (°F)		28	27	27	26	25	24	24	23	
1200		LIQUID PRESSURE (PSIG)	194	221	258	305	364	432	511	601
		LIQUID TEMPERATURE (°F)	57	66	75	85	96	107	118	127
		LIQUID SUBCOOLING (°F)	11	10	11	12	14	16	18	22
		SUCTION PRESSURE (PSIG)	121	121	123	125	128	131	136	141
		SUCTION TEMPERATURE (°F)	53	53	54	55	57	58	60	62
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.3	7.3	8.5	9.8	11.5
		COMPRESSOR CURRENT (A)	3.9	4.2	4.6	5.3	6.3	7.5	8.9	10.6
INDOOR COIL DB TEMP DROP (°F)		26	25	25	24	23	22	22	21	
1400		LIQUID PRESSURE (PSIG)	190	217	254	301	360	428	507	597
		LIQUID TEMPERATURE (°F)	57	66	75	85	96	107	118	127
		LIQUID SUBCOOLING (°F)	10	9	10	11	13	15	17	21
		SUCTION PRESSURE (PSIG)	125	125	127	129	132	135	140	145
		SUCTION TEMPERATURE (°F)	55	55	56	57	59	60	62	64
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.6	4.8	5.4	6.2	7.2	8.4	9.7	11.4
		COMPRESSOR CURRENT (A)	3.8	4.0	4.5	5.2	6.2	7.4	8.8	10.5
INDOOR COIL DB TEMP DROP (°F)		24	23	23	22	21	20	20	19	

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## TCD36B32 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1000	LIQUID PRESSURE (PSIG)	198	225	261	308	364	429	505	590
		LIQUID TEMPERATURE (°F)	57	66	76	86	97	107	118	127
		LIQUID SUBCOOLING (°F)	12	11	11	12	13	15	17	20
		SUCTION PRESSURE (PSIG)	125	128	131	134	137	141	144	147
		SUCTION TEMPERATURE (°F)	61	59	57	58	58	58	61	63
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	9	10	11
		OUTDOOR UNIT CURRENT (A)	4.8	5.1	5.6	6.3	7.2	8.3	9.6	11.2
		COMPRESSOR CURRENT (A)	3.9	4.2	4.7	5.4	6.3	7.4	8.8	10.3
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	22	21	21	20	
	1200	LIQUID PRESSURE (PSIG)	197	224	260	307	363	428	504	589
		LIQUID TEMPERATURE (°F)	57	66	76	86	97	107	118	127
		LIQUID SUBCOOLING (°F)	12	11	11	12	13	15	17	20
		SUCTION PRESSURE (PSIG)	128	131	134	137	140	144	147	150
		SUCTION TEMPERATURE (°F)	62	60	59	59	59	60	62	64
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	9	10	11
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.2	7.1	8.2	9.5	11.1
		COMPRESSOR CURRENT (A)	3.8	4.1	4.6	5.3	6.2	7.3	8.7	10.2
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	20	20	19	19	18	
	1400	LIQUID PRESSURE (PSIG)	196	223	259	306	362	427	503	588
		LIQUID TEMPERATURE (°F)	57	66	75	86	96	107	117	127
		LIQUID SUBCOOLING (°F)	12	11	11	12	13	15	17	20
		SUCTION PRESSURE (PSIG)	131	134	137	140	143	147	150	153
		SUCTION TEMPERATURE (°F)	63	62	60	60	60	61	63	65
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	9	10	11
		OUTDOOR UNIT CURRENT (A)	4.7	4.9	5.5	6.2	7.1	8.2	9.5	11.1
		COMPRESSOR CURRENT (A)	3.8	4.0	4.6	5.3	6.2	7.3	8.7	10.2
	INDOOR COIL DB TEMP DROP (°F)	19	19	19	18	18	17	17	16	
	80/72	1000	LIQUID PRESSURE (PSIG)	201	228	264	309	364	428	501
LIQUID TEMPERATURE (°F)			57	66	77	87	98	108	118	127
LIQUID SUBCOOLING (°F)			13	12	11	11	12	14	16	19
SUCTION PRESSURE (PSIG)			127	134	141	147	151	155	157	159
SUCTION TEMPERATURE (°F)			67	64	62	61	60	62	63	66
SUCTION SUPERHEAT (°F)			23	17	13	9	7	7	8	10
OUTDOOR UNIT CURRENT (A)			4.7	5.0	5.5	6.2	7.1	8.2	9.4	10.9
COMPRESSOR CURRENT (A)			3.8	4.1	4.6	5.3	6.2	7.3	8.5	10.0
INDOOR COIL DB TEMP DROP (°F)		18	18	18	18	18	17	17	16	
1200		LIQUID PRESSURE (PSIG)	201	228	264	309	364	428	501	583
		LIQUID TEMPERATURE (°F)	57	66	77	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	13	12	11	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	130	137	144	150	154	158	160	162
		SUCTION TEMPERATURE (°F)	69	66	65	63	62	64	66	68
		SUCTION SUPERHEAT (°F)	24	18	14	10	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.2	7.1	8.2	9.4	10.9
		COMPRESSOR CURRENT (A)	3.8	4.1	4.6	5.3	6.2	7.3	8.5	10.0
INDOOR COIL DB TEMP DROP (°F)		16	16	16	16	16	15	15	14	
1400		LIQUID PRESSURE (PSIG)	201	228	264	309	364	428	501	583
		LIQUID TEMPERATURE (°F)	57	66	77	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	13	12	11	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	133	140	147	153	157	161	163	165
		SUCTION TEMPERATURE (°F)	71	68	67	65	64	66	68	70
		SUCTION SUPERHEAT (°F)	25	19	15	11	9	9	10	12
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.2	7.1	8.2	9.4	10.9
		COMPRESSOR CURRENT (A)	3.8	4.1	4.6	5.3	6.2	7.3	8.5	10.0
INDOOR COIL DB TEMP DROP (°F)		14	14	14	14	14	13	13	12	

## TCD36B42 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	197	224	262	311	370	439	519	610
		LIQUID TEMPERATURE (°F)	58	66	75	86	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	17	20	23
		SUCTION PRESSURE (PSIG)	116	116	118	120	122	126	130	135
		SUCTION TEMPERATURE (°F)	50	51	52	54	55	55	57	58
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	4.8	5.1	5.6	6.5	7.5	8.7	10.1	11.9
		COMPRESSOR CURRENT (A)	4.0	4.2	4.7	5.4	6.4	7.6	9.1	10.8
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	22	21	20	20	
	1200	LIQUID PRESSURE (PSIG)	194	221	259	308	367	436	516	607
		LIQUID TEMPERATURE (°F)	57	65	74	85	96	106	117	127
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	17	20	23
		SUCTION PRESSURE (PSIG)	120	120	122	124	126	130	134	139
		SUCTION TEMPERATURE (°F)	52	53	54	56	56	57	59	60
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	4.6	5.0	5.5	6.4	7.4	8.6	10.0	11.7
		COMPRESSOR CURRENT (A)	3.9	4.2	4.7	5.4	6.4	7.6	9.1	10.7
	INDOOR COIL DB TEMP DROP (°F)	22	22	21	20	20	19	18	18	
	1400	LIQUID PRESSURE (PSIG)	191	218	256	305	364	433	513	604
		LIQUID TEMPERATURE (°F)	56	64	73	84	96	106	116	126
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	17	20	23
		SUCTION PRESSURE (PSIG)	124	124	126	128	130	134	138	143
		SUCTION TEMPERATURE (°F)	54	55	55	57	58	59	60	61
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	12	12	11
OUTDOOR UNIT CURRENT (A)		4.5	4.8	5.3	6.2	7.2	8.4	9.8	11.6	
COMPRESSOR CURRENT (A)		3.9	4.1	4.6	5.3	6.3	7.5	9.0	10.7	
INDOOR COIL DB TEMP DROP (°F)	20	20	19	18	18	17	16	16		
80/57	1000	LIQUID PRESSURE (PSIG)	193	221	259	306	363	430	506	592
		LIQUID TEMPERATURE (°F)	57	65	74	85	96	106	116	126
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	16	19	22
		SUCTION PRESSURE (PSIG)	108	109	111	114	117	122	128	135
		SUCTION TEMPERATURE (°F)	46	48	50	51	52	55	57	59
		SUCTION SUPERHEAT (°F)	11	12	13	13	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	4.6	5.0	5.6	6.4	7.4	8.5	9.8	11.4
		COMPRESSOR CURRENT (A)	4.0	4.2	4.7	5.4	6.4	7.5	8.8	10.4
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	28	27	26	24	
	1200	LIQUID PRESSURE (PSIG)	191	219	257	304	361	428	504	590
		LIQUID TEMPERATURE (°F)	57	65	75	85	96	107	117	126
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	15	18	21
		SUCTION PRESSURE (PSIG)	114	115	117	120	123	128	134	141
		SUCTION TEMPERATURE (°F)	49	51	52	54	55	57	60	61
		SUCTION SUPERHEAT (°F)	11	12	13	13	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	4.5	5.0	5.6	6.4	7.3	8.4	9.8	11.3
		COMPRESSOR CURRENT (A)	3.9	4.2	4.7	5.4	6.3	7.4	8.8	10.3
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23	21	
	1400	LIQUID PRESSURE (PSIG)	189	217	255	302	359	426	502	588
		LIQUID TEMPERATURE (°F)	57	66	75	86	97	108	117	127
		LIQUID SUBCOOLING (°F)	9	9	10	11	12	14	17	20
		SUCTION PRESSURE (PSIG)	120	121	123	126	129	134	140	147
		SUCTION TEMPERATURE (°F)	52	53	55	56	58	60	62	64
		SUCTION SUPERHEAT (°F)	11	12	13	13	13	13	13	12
OUTDOOR UNIT CURRENT (A)		4.5	4.9	5.5	6.3	7.2	8.4	9.7	11.3	
COMPRESSOR CURRENT (A)		3.9	4.1	4.6	5.3	6.2	7.4	8.7	10.3	
INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20	18		

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## TCD36B42 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1000	LIQUID PRESSURE (PSIG)	198	225	262	309	368	436	515	605
		LIQUID TEMPERATURE (°F)	58	67	76	86	97	107	118	128
		LIQUID SUBCOOLING (°F)	11	10	11	12	14	16	18	22
		SUCTION PRESSURE (PSIG)	117	117	119	121	124	127	132	137
		SUCTION TEMPERATURE (°F)	51	51	52	53	56	57	59	61
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.8	5.1	5.6	6.4	7.4	8.6	10.0	11.6
		COMPRESSOR CURRENT (A)	4.0	4.3	4.7	5.4	6.4	7.6	9.1	10.7
	INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	24	24	23	
	1200	LIQUID PRESSURE (PSIG)	194	221	258	305	364	432	511	601
		LIQUID TEMPERATURE (°F)	57	66	75	85	96	107	118	127
		LIQUID SUBCOOLING (°F)	11	10	11	12	14	16	18	22
		SUCTION PRESSURE (PSIG)	121	121	123	125	128	131	136	141
		SUCTION TEMPERATURE (°F)	53	53	54	55	57	58	60	62
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.3	7.3	8.5	9.8	11.5
		COMPRESSOR CURRENT (A)	3.9	4.2	4.6	5.3	6.3	7.5	8.9	10.6
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	22	22	21	
	1400	LIQUID PRESSURE (PSIG)	190	217	254	301	360	428	507	597
		LIQUID TEMPERATURE (°F)	57	66	75	85	96	107	118	127
		LIQUID SUBCOOLING (°F)	10	9	10	11	13	15	17	21
		SUCTION PRESSURE (PSIG)	125	125	127	129	132	135	140	145
		SUCTION TEMPERATURE (°F)	55	55	56	57	59	60	62	64
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.6	4.8	5.4	6.2	7.2	8.4	9.7	11.4
		COMPRESSOR CURRENT (A)	3.8	4.0	4.5	5.2	6.2	7.4	8.8	10.5
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	20	19	
	80/67	1000	LIQUID PRESSURE (PSIG)	198	225	261	308	364	429	505
LIQUID TEMPERATURE (°F)			57	66	76	86	97	107	118	127
LIQUID SUBCOOLING (°F)			12	11	11	12	13	15	17	20
SUCTION PRESSURE (PSIG)			125	128	131	134	137	141	144	147
SUCTION TEMPERATURE (°F)			61	59	57	58	58	58	61	63
SUCTION SUPERHEAT (°F)			18	15	12	11	10	9	10	11
OUTDOOR UNIT CURRENT (A)			4.8	5.1	5.6	6.3	7.2	8.3	9.6	11.2
COMPRESSOR CURRENT (A)			3.9	4.2	4.7	5.4	6.3	7.4	8.8	10.3
INDOOR COIL DB TEMP DROP (°F)		23	23	23	22	22	21	21	20	
1200		LIQUID PRESSURE (PSIG)	197	224	260	307	363	428	504	589
		LIQUID TEMPERATURE (°F)	57	66	76	86	97	107	118	127
		LIQUID SUBCOOLING (°F)	12	11	11	12	13	15	17	20
		SUCTION PRESSURE (PSIG)	128	131	134	137	140	144	147	150
		SUCTION TEMPERATURE (°F)	62	60	59	59	59	60	62	64
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	9	10	11
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.2	7.1	8.2	9.5	11.1
		COMPRESSOR CURRENT (A)	3.8	4.1	4.6	5.3	6.2	7.3	8.7	10.2
INDOOR COIL DB TEMP DROP (°F)		21	21	21	20	20	19	19	18	
1400		LIQUID PRESSURE (PSIG)	196	223	259	306	362	427	503	588
		LIQUID TEMPERATURE (°F)	57	66	75	86	96	107	117	127
		LIQUID SUBCOOLING (°F)	12	11	11	12	13	15	17	20
		SUCTION PRESSURE (PSIG)	131	134	137	140	143	147	150	153
		SUCTION TEMPERATURE (°F)	63	62	60	60	60	61	63	65
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	9	10	11
		OUTDOOR UNIT CURRENT (A)	4.7	4.9	5.5	6.2	7.1	8.2	9.5	11.1
		COMPRESSOR CURRENT (A)	3.8	4.0	4.6	5.3	6.2	7.3	8.7	10.2
INDOOR COIL DB TEMP DROP (°F)		19	19	19	18	18	17	17	16	

Continued on next page.

## TCD36B42 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1000	LIQUID PRESSURE (PSIG)	201	228	264	309	364	428	501	583
		LIQUID TEMPERATURE (°F)	57	66	77	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	13	12	11	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	127	134	141	147	151	155	157	159
		SUCTION TEMPERATURE (°F)	67	64	62	61	60	62	63	66
		SUCTION SUPERHEAT (°F)	23	17	13	9	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.2	7.1	8.2	9.4	10.9
		COMPRESSOR CURRENT (A)	3.8	4.1	4.6	5.3	6.2	7.3	8.5	10.0
	INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	18	17	17	16	
	1200	LIQUID PRESSURE (PSIG)	201	228	264	309	364	428	501	583
		LIQUID TEMPERATURE (°F)	57	66	77	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	13	12	11	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	130	137	144	150	154	158	160	162
		SUCTION TEMPERATURE (°F)	69	66	65	63	62	64	66	68
		SUCTION SUPERHEAT (°F)	24	18	14	10	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.2	7.1	8.2	9.4	10.9
		COMPRESSOR CURRENT (A)	3.8	4.1	4.6	5.3	6.2	7.3	8.5	10.0
	INDOOR COIL DB TEMP DROP (°F)	16	16	16	16	16	15	15	14	
	1400	LIQUID PRESSURE (PSIG)	201	228	264	309	364	428	501	583
		LIQUID TEMPERATURE (°F)	57	66	77	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	13	12	11	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	133	140	147	153	157	161	163	165
		SUCTION TEMPERATURE (°F)	71	68	67	65	64	66	68	70
		SUCTION SUPERHEAT (°F)	25	19	15	11	9	9	10	12
OUTDOOR UNIT CURRENT (A)		4.7	5.0	5.5	6.2	7.1	8.2	9.4	10.9	
COMPRESSOR CURRENT (A)		3.8	4.1	4.6	5.3	6.2	7.3	8.5	10.0	
INDOOR COIL DB TEMP DROP (°F)	14	14	14	14	14	13	13	12		

## TCD36B51 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	197	224	262	311	370	439	519	610
		LIQUID TEMPERATURE (°F)	58	66	75	86	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	17	20	23
		SUCTION PRESSURE (PSIG)	116	116	118	120	122	126	130	135
		SUCTION TEMPERATURE (°F)	50	51	52	54	55	55	57	58
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	4.8	5.1	5.6	6.5	7.5	8.7	10.1	11.9
		COMPRESSOR CURRENT (A)	4.0	4.2	4.7	5.4	6.4	7.6	9.1	10.8
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	22	21	20	20	
	1200	LIQUID PRESSURE (PSIG)	194	221	259	308	367	436	516	607
		LIQUID TEMPERATURE (°F)	57	65	74	85	96	106	117	127
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	17	20	23
		SUCTION PRESSURE (PSIG)	120	120	122	124	126	130	134	139
		SUCTION TEMPERATURE (°F)	52	53	54	56	56	57	59	60
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	4.6	5.0	5.5	6.4	7.4	8.6	10.0	11.7
		COMPRESSOR CURRENT (A)	3.9	4.2	4.7	5.4	6.4	7.6	9.1	10.7
	INDOOR COIL DB TEMP DROP (°F)	22	22	21	20	20	19	18	18	
	1400	LIQUID PRESSURE (PSIG)	191	218	256	305	364	433	513	604
		LIQUID TEMPERATURE (°F)	56	64	73	84	96	106	116	126
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	17	20	23
		SUCTION PRESSURE (PSIG)	124	124	126	128	130	134	138	143
		SUCTION TEMPERATURE (°F)	54	55	55	57	58	59	60	61
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	4.5	4.8	5.3	6.2	7.2	8.4	9.8	11.6
		COMPRESSOR CURRENT (A)	3.9	4.1	4.6	5.3	6.3	7.5	9.0	10.7
	INDOOR COIL DB TEMP DROP (°F)	20	20	19	18	18	17	16	16	
80/57	1000	LIQUID PRESSURE (PSIG)	193	221	259	306	363	430	506	592
		LIQUID TEMPERATURE (°F)	57	65	74	85	96	106	116	126
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	16	19	22
		SUCTION PRESSURE (PSIG)	108	109	111	114	117	122	128	135
		SUCTION TEMPERATURE (°F)	46	48	50	51	52	55	57	59
		SUCTION SUPERHEAT (°F)	11	12	13	13	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	4.6	5.0	5.6	6.4	7.4	8.5	9.8	11.4
		COMPRESSOR CURRENT (A)	4.0	4.2	4.7	5.4	6.4	7.5	8.8	10.4
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	28	27	26	24	
	1200	LIQUID PRESSURE (PSIG)	191	219	257	304	361	428	504	590
		LIQUID TEMPERATURE (°F)	57	65	75	85	96	107	117	126
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	15	18	21
		SUCTION PRESSURE (PSIG)	114	115	117	120	123	128	134	141
		SUCTION TEMPERATURE (°F)	49	51	52	54	55	57	60	61
		SUCTION SUPERHEAT (°F)	11	12	13	13	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	4.5	5.0	5.6	6.4	7.3	8.4	9.8	11.3
		COMPRESSOR CURRENT (A)	3.9	4.2	4.7	5.4	6.3	7.4	8.8	10.3
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23	21	
	1400	LIQUID PRESSURE (PSIG)	189	217	255	302	359	426	502	588
		LIQUID TEMPERATURE (°F)	57	66	75	86	97	108	117	127
		LIQUID SUBCOOLING (°F)	9	9	10	11	12	14	17	20
		SUCTION PRESSURE (PSIG)	120	121	123	126	129	134	140	147
		SUCTION TEMPERATURE (°F)	52	53	55	56	58	60	62	64
		SUCTION SUPERHEAT (°F)	11	12	13	13	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	4.5	4.9	5.5	6.3	7.2	8.4	9.7	11.3
		COMPRESSOR CURRENT (A)	3.9	4.1	4.6	5.3	6.2	7.4	8.7	10.3
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20	18	

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## TCD36B51 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1000	LIQUID PRESSURE (PSIG)	198	225	262	309	368	436	515	605
		LIQUID TEMPERATURE (°F)	58	67	76	86	97	107	118	128
		LIQUID SUBCOOLING (°F)	11	10	11	12	14	16	18	22
		SUCTION PRESSURE (PSIG)	117	117	119	121	124	127	132	137
		SUCTION TEMPERATURE (°F)	51	51	52	53	56	57	59	61
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.8	5.1	5.6	6.4	7.4	8.6	10.0	11.6
		COMPRESSOR CURRENT (A)	4.0	4.3	4.7	5.4	6.4	7.6	9.1	10.7
	INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	24	24	23	
	1200	LIQUID PRESSURE (PSIG)	194	221	258	305	364	432	511	601
		LIQUID TEMPERATURE (°F)	57	66	75	85	96	107	118	127
		LIQUID SUBCOOLING (°F)	11	10	11	12	14	16	18	22
		SUCTION PRESSURE (PSIG)	121	121	123	125	128	131	136	141
		SUCTION TEMPERATURE (°F)	53	53	54	55	57	58	60	62
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.3	7.3	8.5	9.8	11.5
		COMPRESSOR CURRENT (A)	3.9	4.2	4.6	5.3	6.3	7.5	8.9	10.6
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	22	22	21	
	1400	LIQUID PRESSURE (PSIG)	190	217	254	301	360	428	507	597
		LIQUID TEMPERATURE (°F)	57	66	75	85	96	107	118	127
		LIQUID SUBCOOLING (°F)	10	9	10	11	13	15	17	21
		SUCTION PRESSURE (PSIG)	125	125	127	129	132	135	140	145
		SUCTION TEMPERATURE (°F)	55	55	56	57	59	60	62	64
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.6	4.8	5.4	6.2	7.2	8.4	9.7	11.4
		COMPRESSOR CURRENT (A)	3.8	4.0	4.5	5.2	6.2	7.4	8.8	10.5
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	20	19	
	80/67	1000	LIQUID PRESSURE (PSIG)	198	225	261	308	364	429	505
LIQUID TEMPERATURE (°F)			57	66	76	86	97	107	118	127
LIQUID SUBCOOLING (°F)			12	11	11	12	13	15	17	20
SUCTION PRESSURE (PSIG)			125	128	131	134	137	141	144	147
SUCTION TEMPERATURE (°F)			61	59	57	58	58	58	61	63
SUCTION SUPERHEAT (°F)			18	15	12	11	10	9	10	11
OUTDOOR UNIT CURRENT (A)			4.8	5.1	5.6	6.3	7.2	8.3	9.6	11.2
COMPRESSOR CURRENT (A)			3.9	4.2	4.7	5.4	6.3	7.4	8.8	10.3
INDOOR COIL DB TEMP DROP (°F)		23	23	23	22	22	21	21	20	
1200		LIQUID PRESSURE (PSIG)	197	224	260	307	363	428	504	589
		LIQUID TEMPERATURE (°F)	57	66	76	86	97	107	118	127
		LIQUID SUBCOOLING (°F)	12	11	11	12	13	15	17	20
		SUCTION PRESSURE (PSIG)	128	131	134	137	140	144	147	150
		SUCTION TEMPERATURE (°F)	62	60	59	59	59	60	62	64
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	9	10	11
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.2	7.1	8.2	9.5	11.1
		COMPRESSOR CURRENT (A)	3.8	4.1	4.6	5.3	6.2	7.3	8.7	10.2
INDOOR COIL DB TEMP DROP (°F)		21	21	21	20	20	19	19	18	
1400		LIQUID PRESSURE (PSIG)	196	223	259	306	362	427	503	588
		LIQUID TEMPERATURE (°F)	57	66	75	86	96	107	117	127
		LIQUID SUBCOOLING (°F)	12	11	11	12	13	15	17	20
		SUCTION PRESSURE (PSIG)	131	134	137	140	143	147	150	153
		SUCTION TEMPERATURE (°F)	63	62	60	60	60	61	63	65
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	9	10	11
		OUTDOOR UNIT CURRENT (A)	4.7	4.9	5.5	6.2	7.1	8.2	9.5	11.1
		COMPRESSOR CURRENT (A)	3.8	4.0	4.6	5.3	6.2	7.3	8.7	10.2
INDOOR COIL DB TEMP DROP (°F)		19	19	19	18	18	17	17	16	

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## TCD36B51 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1000	LIQUID PRESSURE (PSIG)	201	228	264	309	364	428	501	583
		LIQUID TEMPERATURE (°F)	57	66	77	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	13	12	11	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	127	134	141	147	151	155	157	159
		SUCTION TEMPERATURE (°F)	67	64	62	61	60	62	63	66
		SUCTION SUPERHEAT (°F)	23	17	13	9	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.2	7.1	8.2	9.4	10.9
		COMPRESSOR CURRENT (A)	3.8	4.1	4.6	5.3	6.2	7.3	8.5	10.0
		INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	18	17	17	16
	1200	LIQUID PRESSURE (PSIG)	201	228	264	309	364	428	501	583
		LIQUID TEMPERATURE (°F)	57	66	77	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	13	12	11	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	130	137	144	150	154	158	160	162
		SUCTION TEMPERATURE (°F)	69	66	65	63	62	64	66	68
		SUCTION SUPERHEAT (°F)	24	18	14	10	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.2	7.1	8.2	9.4	10.9
		COMPRESSOR CURRENT (A)	3.8	4.1	4.6	5.3	6.2	7.3	8.5	10.0
		INDOOR COIL DB TEMP DROP (°F)	16	16	16	16	16	15	15	14
	1400	LIQUID PRESSURE (PSIG)	201	228	264	309	364	428	501	583
		LIQUID TEMPERATURE (°F)	57	66	77	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	13	12	11	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	133	140	147	153	157	161	163	165
		SUCTION TEMPERATURE (°F)	71	68	67	65	64	66	68	70
		SUCTION SUPERHEAT (°F)	25	19	15	11	9	9	10	12
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.2	7.1	8.2	9.4	10.9
		COMPRESSOR CURRENT (A)	3.8	4.1	4.6	5.3	6.2	7.3	8.5	10.0
		INDOOR COIL DB TEMP DROP (°F)	14	14	14	14	14	13	13	12

FOR USE WITH MODELS:

**TCD42B31****TCD42B41**

TCD42B(3,4)1 SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	193(9)	193(8)	194(8)	198(10)
60	209(10)	210(9)	210(9)	214(10)
65	227(11)	229(10)	228(9)	231(9)
70	247(11)	248(11)	248(10)	250(9)
75	268(12)	270(12)	268(10)	270(9)
80	290(12)	292(13)	290(11)	292(9)
85	314(13)	316(13)	314(11)	315(9)
90	339(13)	341(14)	339(12)	339(9)
95	365(14)	367(14)	365(12)	365(10)
100	393(14)	395(14)	392(13)	392(10)
105	422(14)	424(15)	421(13)	421(11)
110	453(14)	454(15)	452(13)	451(12)
115	485(14)	485(15)	484(14)	482(13)
120	518(14)	518(15)	517(14)	515(14)
125	553(14)	552(15)	551(14)	549(15)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

**TCD42B31 W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	194	229	269	316	368	426	490	560
		LIQUID TEMPERATURE (°F)	58	66	76	86	96	106	116	127
		LIQUID SUBCOOLING (°F)	10	12	13	14	15	16	16	16
		SUCTION PRESSURE (PSIG)	117	120	122	126	129	134	139	144
		SUCTION TEMPERATURE (°F)	50	52	54	55	58	61	64	68
		SUCTION SUPERHEAT (°F)	11	11	12	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	5.4	6.1	6.6	7.3	7.8	8.4	9.0	9.4
		COMPRESSOR CURRENT (A)	4.3	5.0	5.6	6.2	6.8	7.4	8.0	8.5
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19	18	
	1400	LIQUID PRESSURE (PSIG)	193	228	268	315	367	425	489	559
		LIQUID TEMPERATURE (°F)	59	67	77	87	96	106	117	128
		LIQUID SUBCOOLING (°F)	9	11	12	13	14	15	15	15
		SUCTION PRESSURE (PSIG)	120	123	125	129	132	137	142	147
		SUCTION TEMPERATURE (°F)	52	53	55	57	59	62	65	69
		SUCTION SUPERHEAT (°F)	11	11	12	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	5.4	6.1	6.6	7.3	7.8	8.4	9.0	9.4
		COMPRESSOR CURRENT (A)	4.3	5.0	5.6	6.2	6.8	7.4	8.0	8.5
	INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	18	17	
	1600	LIQUID PRESSURE (PSIG)	192	227	267	314	366	424	488	558
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	118	129
		LIQUID SUBCOOLING (°F)	8	10	11	12	13	14	14	14
		SUCTION PRESSURE (PSIG)	123	126	128	132	135	140	145	150
		SUCTION TEMPERATURE (°F)	53	54	56	58	60	63	66	70
		SUCTION SUPERHEAT (°F)	11	11	12	12	13	14	15	17
OUTDOOR UNIT CURRENT (A)		5.4	6.1	6.6	7.3	7.8	8.4	9.0	9.4	
COMPRESSOR CURRENT (A)		4.3	5.0	5.6	6.2	6.8	7.4	8.0	8.5	
INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	17	16		

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## TCD42B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1200	LIQUID PRESSURE (PSIG)	194	228	269	315	366	423	486	554
		LIQUID TEMPERATURE (°F)	58	66	76	86	95	106	117	127
		LIQUID SUBCOOLING (°F)	10	12	13	14	15	15	15	15
		SUCTION PRESSURE (PSIG)	108	111	115	120	125	132	139	146
		SUCTION TEMPERATURE (°F)	47	49	52	55	58	62	65	68
		SUCTION SUPERHEAT (°F)	12	12	13	14	15	16	16	17
		OUTDOOR UNIT CURRENT (A)	5.3	5.9	6.6	7.1	7.7	8.3	8.9	9.5
		COMPRESSOR CURRENT (A)	4.3	4.9	5.5	6.1	6.7	7.3	7.9	8.5
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	28	27	25	23	22	
	1400	LIQUID PRESSURE (PSIG)	193	227	268	314	365	422	485	553
		LIQUID TEMPERATURE (°F)	59	67	77	86	96	107	118	128
		LIQUID SUBCOOLING (°F)	9	11	12	13	14	14	14	14
		SUCTION PRESSURE (PSIG)	113	116	120	125	130	137	144	151
		SUCTION TEMPERATURE (°F)	50	51	54	57	60	64	67	70
		SUCTION SUPERHEAT (°F)	12	12	13	14	15	16	16	17
		OUTDOOR UNIT CURRENT (A)	5.4	6.0	6.6	7.2	7.8	8.3	9.0	9.5
		COMPRESSOR CURRENT (A)	4.4	5.0	5.5	6.2	6.8	7.3	8.0	8.5
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	26	25	23	21	20	
	1600	LIQUID PRESSURE (PSIG)	192	226	267	313	364	421	484	552
		LIQUID TEMPERATURE (°F)	59	67	77	87	97	108	118	129
		LIQUID SUBCOOLING (°F)	8	10	11	12	13	13	13	13
		SUCTION PRESSURE (PSIG)	118	121	125	130	135	142	149	156
		SUCTION TEMPERATURE (°F)	52	53	56	59	62	66	69	72
		SUCTION SUPERHEAT (°F)	12	12	13	14	15	16	16	17
OUTDOOR UNIT CURRENT (A)		5.4	6.0	6.7	7.2	7.8	8.4	9.0	9.6	
COMPRESSOR CURRENT (A)		4.4	5.0	5.6	6.2	6.8	7.4	8.0	8.6	
INDOOR COIL DB TEMP DROP (°F)	28	27	26	24	23	21	19	18		
80/62	1200	LIQUID PRESSURE (PSIG)	194	230	271	317	368	425	486	553
		LIQUID TEMPERATURE (°F)	60	69	77	87	97	106	117	127
		LIQUID SUBCOOLING (°F)	8	10	12	13	14	15	15	15
		SUCTION PRESSURE (PSIG)	118	120	123	126	131	136	142	149
		SUCTION TEMPERATURE (°F)	51	53	55	57	60	63	67	71
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	5.4	6.1	6.6	7.2	7.8	8.4	9.0	9.6
		COMPRESSOR CURRENT (A)	4.3	5.0	5.6	6.2	6.8	7.4	8.0	8.6
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	24	23	22	
	1400	LIQUID PRESSURE (PSIG)	193	229	270	316	367	424	485	552
		LIQUID TEMPERATURE (°F)	60	68	77	87	96	106	117	127
		LIQUID SUBCOOLING (°F)	8	10	12	13	14	15	15	15
		SUCTION PRESSURE (PSIG)	121	123	126	129	134	139	145	152
		SUCTION TEMPERATURE (°F)	52	54	56	59	62	65	68	72
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	5.4	6.1	6.6	7.2	7.8	8.4	9.0	9.6
		COMPRESSOR CURRENT (A)	4.3	5.0	5.6	6.2	6.8	7.4	8.0	8.6
	INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	22	21	20	
	1600	LIQUID PRESSURE (PSIG)	192	228	269	315	366	423	484	551
		LIQUID TEMPERATURE (°F)	60	69	78	88	97	107	117	128
		LIQUID SUBCOOLING (°F)	7	9	11	12	13	14	14	14
		SUCTION PRESSURE (PSIG)	124	126	129	132	137	142	148	155
		SUCTION TEMPERATURE (°F)	54	55	58	60	63	66	69	73
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	16	17	18
OUTDOOR UNIT CURRENT (A)		5.4	6.1	6.6	7.2	7.8	8.4	9.0	9.6	
COMPRESSOR CURRENT (A)		4.3	5.0	5.6	6.2	6.8	7.4	8.0	8.6	
INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	20	19	18		

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## TCD42B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1200	LIQUID PRESSURE (PSIG)	195	229	269	315	366	422	485	552
		LIQUID TEMPERATURE (°F)	60	69	79	89	98	108	118	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	14
		SUCTION PRESSURE (PSIG)	127	130	134	138	143	147	152	157
		SUCTION TEMPERATURE (°F)	59	57	57	58	60	63	67	71
		SUCTION SUPERHEAT (°F)	15	12	10	10	10	11	13	16
		OUTDOOR UNIT CURRENT (A)	5.3	6.1	6.7	7.3	7.9	8.6	9.1	9.8
		COMPRESSOR CURRENT (A)	4.3	5.0	5.6	6.3	6.9	7.6	8.1	8.8
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	22	21	20	
	1400	LIQUID PRESSURE (PSIG)	194	228	268	314	365	421	484	551
		LIQUID TEMPERATURE (°F)	60	69	79	88	98	108	117	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	14
		SUCTION PRESSURE (PSIG)	129	132	136	140	145	149	154	159
		SUCTION TEMPERATURE (°F)	61	59	58	60	62	65	68	73
		SUCTION SUPERHEAT (°F)	16	13	11	11	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	5.3	6.1	6.7	7.3	7.9	8.6	9.1	9.8
		COMPRESSOR CURRENT (A)	4.3	5.0	5.6	6.3	6.9	7.6	8.1	8.8
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	20	19	18	
	1600	LIQUID PRESSURE (PSIG)	193	227	267	313	364	420	483	550
		LIQUID TEMPERATURE (°F)	60	69	78	88	98	108	117	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	14
		SUCTION PRESSURE (PSIG)	131	134	138	142	147	151	156	161
		SUCTION TEMPERATURE (°F)	62	61	60	62	64	66	70	75
		SUCTION SUPERHEAT (°F)	17	14	12	12	12	13	15	18
		OUTDOOR UNIT CURRENT (A)	5.3	6.1	6.7	7.3	7.9	8.6	9.1	9.8
		COMPRESSOR CURRENT (A)	4.3	5.0	5.6	6.3	6.9	7.6	8.1	8.8
	INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	18	17	16	
	80/72	1200	LIQUID PRESSURE (PSIG)	198	231	270	315	365	421	482
LIQUID TEMPERATURE (°F)			59	70	80	91	100	110	118	127
LIQUID SUBCOOLING (°F)			10	9	9	9	10	11	13	15
SUCTION PRESSURE (PSIG)			132	139	146	152	157	161	165	168
SUCTION TEMPERATURE (°F)			66	65	64	65	66	69	72	76
SUCTION SUPERHEAT (°F)			20	16	13	11	11	12	14	17
OUTDOOR UNIT CURRENT (A)			5.3	6.0	6.7	7.4	8.1	8.7	9.4	10.1
COMPRESSOR CURRENT (A)			4.3	5.0	5.7	6.4	7.0	7.7	8.4	9.1
INDOOR COIL DB TEMP DROP (°F)		19	19	18	18	17	16	15	14	
1400		LIQUID PRESSURE (PSIG)	198	231	270	315	365	421	482	549
		LIQUID TEMPERATURE (°F)	59	70	80	91	100	110	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	11	13	15
		SUCTION PRESSURE (PSIG)	134	141	148	154	159	163	167	170
		SUCTION TEMPERATURE (°F)	67	65	65	65	67	70	73	77
		SUCTION SUPERHEAT (°F)	20	16	13	11	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.7	7.4	8.1	8.7	9.4	10.1
		COMPRESSOR CURRENT (A)	4.3	5.0	5.7	6.4	7.0	7.7	8.4	9.1
INDOOR COIL DB TEMP DROP (°F)		18	18	17	17	16	15	14	13	
1600		LIQUID PRESSURE (PSIG)	198	231	270	315	365	421	482	549
		LIQUID TEMPERATURE (°F)	59	70	80	91	100	110	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	11	13	15
		SUCTION PRESSURE (PSIG)	136	143	150	156	161	165	169	172
		SUCTION TEMPERATURE (°F)	67	66	66	66	68	70	74	78
		SUCTION SUPERHEAT (°F)	20	16	13	11	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.7	7.4	8.1	8.7	9.4	10.1
		COMPRESSOR CURRENT (A)	4.3	5.0	5.7	6.4	7.0	7.7	8.4	9.1
INDOOR COIL DB TEMP DROP (°F)		17	17	16	16	15	14	13	12	

## TCD42B41 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	194	229	269	316	368	426	490	560
		LIQUID TEMPERATURE (°F)	58	66	76	86	96	106	116	127
		LIQUID SUBCOOLING (°F)	10	12	13	14	15	16	16	16
		SUCTION PRESSURE (PSIG)	117	120	122	126	129	134	139	144
		SUCTION TEMPERATURE (°F)	50	52	54	55	58	61	64	68
		SUCTION SUPERHEAT (°F)	11	11	12	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.7
		COMPRESSOR CURRENT (A)	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.3
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19	18	
	1400	LIQUID PRESSURE (PSIG)	193	228	268	315	367	425	489	559
		LIQUID TEMPERATURE (°F)	59	67	77	87	96	106	117	128
		LIQUID SUBCOOLING (°F)	9	11	12	13	14	15	15	15
		SUCTION PRESSURE (PSIG)	120	123	125	129	132	137	142	147
		SUCTION TEMPERATURE (°F)	52	53	55	57	59	62	65	69
		SUCTION SUPERHEAT (°F)	11	11	12	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.7
		COMPRESSOR CURRENT (A)	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.3
	INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	18	17	
	1600	LIQUID PRESSURE (PSIG)	192	227	267	314	366	424	488	558
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	118	129
		LIQUID SUBCOOLING (°F)	8	10	11	12	13	14	14	14
		SUCTION PRESSURE (PSIG)	123	126	128	132	135	140	145	150
		SUCTION TEMPERATURE (°F)	53	54	56	58	60	63	66	70
		SUCTION SUPERHEAT (°F)	11	11	12	12	13	14	15	17
OUTDOOR UNIT CURRENT (A)		2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.7	
COMPRESSOR CURRENT (A)		2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.3	
INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	17	16		
80/57	1200	LIQUID PRESSURE (PSIG)	194	228	269	315	366	423	486	554
		LIQUID TEMPERATURE (°F)	58	66	76	86	95	106	117	127
		LIQUID SUBCOOLING (°F)	10	12	13	14	15	15	15	15
		SUCTION PRESSURE (PSIG)	108	111	115	120	125	132	139	146
		SUCTION TEMPERATURE (°F)	47	49	52	55	58	62	65	68
		SUCTION SUPERHEAT (°F)	12	12	13	14	15	16	16	17
		OUTDOOR UNIT CURRENT (A)	2.7	3.0	3.3	3.6	3.8	4.1	4.5	4.7
		COMPRESSOR CURRENT (A)	2.2	2.5	2.7	3.1	3.3	3.6	4.0	4.2
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	28	27	25	23	22	
	1400	LIQUID PRESSURE (PSIG)	193	227	268	314	365	422	485	553
		LIQUID TEMPERATURE (°F)	59	67	77	86	96	107	118	128
		LIQUID SUBCOOLING (°F)	9	11	12	13	14	14	14	14
		SUCTION PRESSURE (PSIG)	113	116	120	125	130	137	144	151
		SUCTION TEMPERATURE (°F)	50	51	54	57	60	64	67	70
		SUCTION SUPERHEAT (°F)	12	12	13	14	15	16	16	17
		OUTDOOR UNIT CURRENT (A)	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8
		COMPRESSOR CURRENT (A)	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.3
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	26	25	23	21	20	
	1600	LIQUID PRESSURE (PSIG)	192	226	267	313	364	421	484	552
		LIQUID TEMPERATURE (°F)	59	67	77	87	97	108	118	129
		LIQUID SUBCOOLING (°F)	8	10	11	12	13	13	13	13
		SUCTION PRESSURE (PSIG)	118	121	125	130	135	142	149	156
		SUCTION TEMPERATURE (°F)	52	53	56	59	62	66	69	72
		SUCTION SUPERHEAT (°F)	12	12	13	14	15	16	16	17
OUTDOOR UNIT CURRENT (A)		2.7	3.0	3.4	3.6	3.9	4.2	4.5	4.8	
COMPRESSOR CURRENT (A)		2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.3	
INDOOR COIL DB TEMP DROP (°F)	28	27	26	24	23	21	19	18		

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## TCD42B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1200	LIQUID PRESSURE (PSIG)	194	230	271	317	368	425	486	553
		LIQUID TEMPERATURE (°F)	60	69	77	87	97	106	117	127
		LIQUID SUBCOOLING (°F)	8	10	12	13	14	15	15	15
		SUCTION PRESSURE (PSIG)	118	120	123	126	131	136	142	149
		SUCTION TEMPERATURE (°F)	51	53	55	57	60	63	67	71
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8
		COMPRESSOR CURRENT (A)	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.3
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	24	23	22	
	1400	LIQUID PRESSURE (PSIG)	193	229	270	316	367	424	485	552
		LIQUID TEMPERATURE (°F)	60	68	77	87	96	106	117	127
		LIQUID SUBCOOLING (°F)	8	10	12	13	14	15	15	15
		SUCTION PRESSURE (PSIG)	121	123	126	129	134	139	145	152
		SUCTION TEMPERATURE (°F)	52	54	56	59	62	65	68	72
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8
		COMPRESSOR CURRENT (A)	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.3
	INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	22	21	20	
	1600	LIQUID PRESSURE (PSIG)	192	228	269	315	366	423	484	551
		LIQUID TEMPERATURE (°F)	60	69	78	88	97	107	117	128
		LIQUID SUBCOOLING (°F)	7	9	11	12	13	14	14	14
		SUCTION PRESSURE (PSIG)	124	126	129	132	137	142	148	155
		SUCTION TEMPERATURE (°F)	54	55	58	60	63	66	69	73
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	16	17	18
OUTDOOR UNIT CURRENT (A)		2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8	
COMPRESSOR CURRENT (A)		2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.3	
INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	20	19	18		
80/67	1200	LIQUID PRESSURE (PSIG)	195	229	269	315	366	422	485	552
		LIQUID TEMPERATURE (°F)	60	69	79	89	98	108	118	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	14
		SUCTION PRESSURE (PSIG)	127	130	134	138	143	147	152	157
		SUCTION TEMPERATURE (°F)	59	57	57	58	60	63	67	71
		SUCTION SUPERHEAT (°F)	15	12	10	10	10	11	13	16
		OUTDOOR UNIT CURRENT (A)	2.7	3.0	3.4	3.6	4.0	4.3	4.6	4.9
		COMPRESSOR CURRENT (A)	2.2	2.5	2.8	3.1	3.5	3.8	4.1	4.4
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	22	21	20	
	1400	LIQUID PRESSURE (PSIG)	194	228	268	314	365	421	484	551
		LIQUID TEMPERATURE (°F)	60	69	79	88	98	108	117	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	14
		SUCTION PRESSURE (PSIG)	129	132	136	140	145	149	154	159
		SUCTION TEMPERATURE (°F)	61	59	58	60	62	65	68	73
		SUCTION SUPERHEAT (°F)	16	13	11	11	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	2.7	3.0	3.4	3.6	4.0	4.3	4.6	4.9
		COMPRESSOR CURRENT (A)	2.2	2.5	2.8	3.1	3.5	3.8	4.1	4.4
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	20	19	18	
	1600	LIQUID PRESSURE (PSIG)	193	227	267	313	364	420	483	550
		LIQUID TEMPERATURE (°F)	60	69	78	88	98	108	117	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	14
		SUCTION PRESSURE (PSIG)	131	134	138	142	147	151	156	161
		SUCTION TEMPERATURE (°F)	62	61	60	62	64	66	70	75
		SUCTION SUPERHEAT (°F)	17	14	12	12	12	13	15	18
OUTDOOR UNIT CURRENT (A)		2.7	3.0	3.4	3.6	4.0	4.3	4.6	4.9	
COMPRESSOR CURRENT (A)		2.2	2.5	2.8	3.1	3.5	3.8	4.1	4.4	
INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	18	17	16		

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## TCD42B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1200	LIQUID PRESSURE (PSIG)	198	231	270	315	365	421	482	549
		LIQUID TEMPERATURE (°F)	59	70	80	91	100	110	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	11	13	15
		SUCTION PRESSURE (PSIG)	132	139	146	152	157	161	165	168
		SUCTION TEMPERATURE (°F)	66	65	64	65	66	69	72	76
		SUCTION SUPERHEAT (°F)	20	16	13	11	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	2.6	3.0	3.3	3.7	4.0	4.3	4.7	5.0
		COMPRESSOR CURRENT (A)	2.1	2.5	2.8	3.2	3.5	3.8	4.2	4.5
	INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	16	15	14	
	1400	LIQUID PRESSURE (PSIG)	198	231	270	315	365	421	482	549
		LIQUID TEMPERATURE (°F)	59	70	80	91	100	110	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	11	13	15
		SUCTION PRESSURE (PSIG)	134	141	148	154	159	163	167	170
		SUCTION TEMPERATURE (°F)	67	65	65	65	67	70	73	77
		SUCTION SUPERHEAT (°F)	20	16	13	11	11	12	14	17
		OUTDOOR UNIT CURRENT (A)	2.6	3.0	3.3	3.7	4.0	4.3	4.7	5.0
		COMPRESSOR CURRENT (A)	2.1	2.5	2.8	3.2	3.5	3.8	4.2	4.5
	INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	16	15	14	13	
	1600	LIQUID PRESSURE (PSIG)	198	231	270	315	365	421	482	549
		LIQUID TEMPERATURE (°F)	59	70	80	91	100	110	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	11	13	15
		SUCTION PRESSURE (PSIG)	136	143	150	156	161	165	169	172
		SUCTION TEMPERATURE (°F)	67	66	66	66	68	70	74	78
		SUCTION SUPERHEAT (°F)	20	16	13	11	11	12	14	17
OUTDOOR UNIT CURRENT (A)		2.6	3.0	3.3	3.7	4.0	4.3	4.7	5.0	
COMPRESSOR CURRENT (A)		2.1	2.5	2.8	3.2	3.5	3.8	4.2	4.5	
INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	14	13	12		

FOR USE WITH MODELS:

**TCD42B32****TCD42B42**

TCD42B(3,4)2 SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	185(4)	188(6)	190(7)	193(9)
60	198(5)	201(6)	204(8)	206(9)
65	213(6)	218(7)	220(8)	221(8)
70	231(7)	236(8)	239(8)	238(8)
75	251(8)	257(9)	259(8)	258(8)
80	274(9)	279(10)	281(9)	279(8)
85	299(10)	304(11)	306(9)	302(8)
90	326(11)	331(12)	332(10)	328(8)
95	356(12)	361(12)	360(11)	355(9)
100	389(13)	392(13)	391(11)	385(9)
105	423(14)	426(14)	423(12)	416(10)
110	461(15)	462(15)	457(13)	450(11)
115	500(16)	500(16)	494(14)	486(12)
120	542(17)	541(17)	532(15)	524(13)
125	587(18)	583(18)	573(16)	563(14)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

**TCD42B32 W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	195	221	257	306	366	437	520	614
		LIQUID TEMPERATURE (°F)	61	69	79	89	99	111	120	130
		LIQUID SUBCOOLING (°F)	7	7	7	9	11	13	17	21
		SUCTION PRESSURE (PSIG)	112	115	119	122	125	128	130	132
		SUCTION TEMPERATURE (°F)	52	51	50	50	50	51	53	56
		SUCTION SUPERHEAT (°F)	15	12	10	8	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	5.2	5.4	6.0	6.7	7.7	8.9	10.2	11.8
		COMPRESSOR CURRENT (A)	4.2	4.5	5.0	5.8	6.7	7.9	9.2	10.9
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	22	22	21	20	
	1400	LIQUID PRESSURE (PSIG)	189	215	251	300	360	431	514	608
		LIQUID TEMPERATURE (°F)	59	67	77	87	98	109	119	129
		LIQUID SUBCOOLING (°F)	7	7	7	9	11	13	17	21
		SUCTION PRESSURE (PSIG)	116	119	123	126	129	132	134	136
		SUCTION TEMPERATURE (°F)	55	53	53	52	53	54	56	58
		SUCTION SUPERHEAT (°F)	16	13	11	9	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	5.0	5.2	5.8	6.5	7.5	8.7	10.1	11.6
		COMPRESSOR CURRENT (A)	4.0	4.3	4.8	5.6	6.5	7.7	9.1	10.7
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	20	20	19	18	
	1600	LIQUID PRESSURE (PSIG)	183	209	245	294	354	425	508	602
		LIQUID TEMPERATURE (°F)	58	67	77	87	98	109	119	129
		LIQUID SUBCOOLING (°F)	6	6	6	8	10	12	16	20
		SUCTION PRESSURE (PSIG)	120	123	127	130	133	136	138	140
		SUCTION TEMPERATURE (°F)	58	56	56	55	55	56	58	61
		SUCTION SUPERHEAT (°F)	17	14	12	10	9	9	10	12
OUTDOOR UNIT CURRENT (A)		4.8	5.1	5.7	6.3	7.4	8.5	9.9	11.4	
COMPRESSOR CURRENT (A)		3.8	4.2	4.7	5.4	6.4	7.5	8.9	10.5	
INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	18	18	17	16		

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## TCD42B32 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1200	LIQUID PRESSURE (PSIG)	190	217	254	302	359	426	504	592
		LIQUID TEMPERATURE (°F)	60	68	77	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	7	7	8	9	11	14	17	21
		SUCTION PRESSURE (PSIG)	102	106	110	114	118	122	125	129
		SUCTION TEMPERATURE (°F)	49	47	47	47	49	51	53	57
		SUCTION SUPERHEAT (°F)	16	13	11	9	9	9	10	12
		OUTDOOR UNIT CURRENT (A)	5.1	5.5	6.0	6.7	7.7	8.8	10.2	11.8
		COMPRESSOR CURRENT (A)	4.2	4.6	5.1	5.8	6.8	7.9	9.2	10.8
	INDOOR COIL DB TEMP DROP (°F)	31	31	30	30	29	28	27	25	
	1400	LIQUID PRESSURE (PSIG)	186	213	250	298	355	422	500	588
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	6	6	7	8	10	13	16	20
		SUCTION PRESSURE (PSIG)	109	113	117	121	125	129	132	136
		SUCTION TEMPERATURE (°F)	53	52	51	51	53	55	57	60
		SUCTION SUPERHEAT (°F)	17	14	12	10	10	10	11	13
		OUTDOOR UNIT CURRENT (A)	4.9	5.2	5.7	6.5	7.4	8.6	10.0	11.6
		COMPRESSOR CURRENT (A)	4.0	4.3	4.8	5.6	6.5	7.7	9.0	10.6
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	25	24	23	21	
	1600	LIQUID PRESSURE (PSIG)	182	209	246	294	351	418	496	584
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	5	5	6	7	9	12	15	19
		SUCTION PRESSURE (PSIG)	116	120	124	128	132	136	139	143
		SUCTION TEMPERATURE (°F)	57	56	56	55	57	58	61	64
		SUCTION SUPERHEAT (°F)	18	15	13	11	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.3	7.2	8.3	9.8	11.3
		COMPRESSOR CURRENT (A)	3.8	4.1	4.6	5.4	6.3	7.4	8.8	10.3
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19	17	
	80/62	1200	LIQUID PRESSURE (PSIG)	192	218	256	303	361	429	508
LIQUID TEMPERATURE (°F)			59	67	77	88	98	108	118	126
LIQUID SUBCOOLING (°F)			8	8	8	9	11	14	17	22
SUCTION PRESSURE (PSIG)			111	115	118	122	125	128	130	133
SUCTION TEMPERATURE (°F)			54	52	50	51	51	52	54	58
SUCTION SUPERHEAT (°F)			17	13	10	9	8	8	9	12
OUTDOOR UNIT CURRENT (A)			5.1	5.4	6.0	6.8	7.7	8.8	10.0	11.5
COMPRESSOR CURRENT (A)			4.1	4.5	5.0	5.8	6.7	7.8	9.1	10.6
INDOOR COIL DB TEMP DROP (°F)		27	28	28	27	27	26	25	24	
1400		LIQUID PRESSURE (PSIG)	189	215	253	300	358	426	505	594
		LIQUID TEMPERATURE (°F)	59	67	78	88	99	109	119	127
		LIQUID SUBCOOLING (°F)	7	7	7	8	10	13	16	21
		SUCTION PRESSURE (PSIG)	116	120	123	127	130	133	135	138
		SUCTION TEMPERATURE (°F)	57	55	53	54	54	55	57	61
		SUCTION SUPERHEAT (°F)	18	14	11	10	9	9	10	13
		OUTDOOR UNIT CURRENT (A)	5.0	5.3	5.9	6.7	7.6	8.7	9.9	11.4
		COMPRESSOR CURRENT (A)	4.0	4.4	4.9	5.7	6.6	7.7	9.0	10.5
INDOOR COIL DB TEMP DROP (°F)		24	25	25	24	24	23	22	21	
1600		LIQUID PRESSURE (PSIG)	186	212	250	297	355	423	502	591
		LIQUID TEMPERATURE (°F)	59	67	78	88	99	109	119	128
		LIQUID SUBCOOLING (°F)	6	6	6	7	9	12	15	20
		SUCTION PRESSURE (PSIG)	121	125	128	132	135	138	140	143
		SUCTION TEMPERATURE (°F)	60	58	56	57	57	58	60	64
		SUCTION SUPERHEAT (°F)	19	15	12	11	10	10	11	14
		OUTDOOR UNIT CURRENT (A)	4.9	5.2	5.8	6.5	7.5	8.6	9.8	11.3
		COMPRESSOR CURRENT (A)	3.9	4.3	4.8	5.5	6.5	7.6	8.9	10.4
INDOOR COIL DB TEMP DROP (°F)		21	22	22	21	21	20	19	18	

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## TCD42B32 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1200	LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494	577
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	110	118	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	11	15	18
		SUCTION PRESSURE (PSIG)	119	125	130	134	138	141	143	144
		SUCTION TEMPERATURE (°F)	62	59	57	56	55	56	58	61
		SUCTION SUPERHEAT (°F)	22	16	12	9	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	5.0	5.4	5.9	6.7	7.6	8.6	9.8	11.2
		COMPRESSOR CURRENT (A)	4.1	4.4	5.0	5.7	6.6	7.6	8.8	10.2
	INDOOR COIL DB TEMP DROP (°F)	22	23	23	23	22	22	21	20	
	1400	LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494	577
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	110	118	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	11	15	18
		SUCTION PRESSURE (PSIG)	122	128	133	137	141	144	146	147
		SUCTION TEMPERATURE (°F)	65	61	59	58	57	59	60	63
		SUCTION SUPERHEAT (°F)	23	17	13	10	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	4.9	5.4	5.9	6.7	7.5	8.6	9.8	11.2
		COMPRESSOR CURRENT (A)	4.0	4.4	5.0	5.7	6.5	7.6	8.8	10.2
	INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	20	20	19	18	
	1600	LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494	577
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	110	118	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	11	15	18
		SUCTION PRESSURE (PSIG)	125	131	136	140	144	147	149	150
		SUCTION TEMPERATURE (°F)	67	63	61	60	60	61	63	65
		SUCTION SUPERHEAT (°F)	24	18	14	11	9	9	10	12
		OUTDOOR UNIT CURRENT (A)	4.9	5.3	5.8	6.6	7.5	8.5	9.7	11.1
		COMPRESSOR CURRENT (A)	4.0	4.3	4.9	5.6	6.5	7.5	8.7	10.1
	INDOOR COIL DB TEMP DROP (°F)	18	19	19	19	18	18	17	16	
	80/72	1200	LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482
LIQUID TEMPERATURE (°F)			58	68	78	89	99	110	119	128
LIQUID SUBCOOLING (°F)			10	8	8	8	9	10	12	15
SUCTION PRESSURE (PSIG)			123	131	138	145	149	153	156	157
SUCTION TEMPERATURE (°F)			67	64	63	62	62	62	63	64
SUCTION SUPERHEAT (°F)			25	19	15	11	9	8	8	9
OUTDOOR UNIT CURRENT (A)			5.1	5.4	6.0	6.7	7.4	8.5	9.7	11.0
COMPRESSOR CURRENT (A)			4.1	4.4	5.0	5.7	6.5	7.5	8.7	10.0
INDOOR COIL DB TEMP DROP (°F)		18	18	18	18	18	18	17	16	
1400		LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482	558
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	10	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	126	134	141	148	152	156	159	160
		SUCTION TEMPERATURE (°F)	69	67	65	64	64	64	65	67
		SUCTION SUPERHEAT (°F)	26	20	16	12	10	9	9	10
		OUTDOOR UNIT CURRENT (A)	5.0	5.4	5.9	6.6	7.4	8.4	9.6	10.9
		COMPRESSOR CURRENT (A)	4.0	4.4	4.9	5.6	6.5	7.4	8.6	9.9
INDOOR COIL DB TEMP DROP (°F)		16	16	16	16	16	16	15	14	
1600		LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482	558
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	10	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	129	137	144	151	155	159	162	163
		SUCTION TEMPERATURE (°F)	72	69	68	66	66	66	67	69
		SUCTION SUPERHEAT (°F)	27	21	17	13	11	10	10	11
		OUTDOOR UNIT CURRENT (A)	5.0	5.3	5.8	6.5	7.3	8.4	9.5	10.9
		COMPRESSOR CURRENT (A)	4.0	4.3	4.8	5.5	6.4	7.4	8.5	9.9
INDOOR COIL DB TEMP DROP (°F)		14	14	14	14	14	14	13	12	



## TCD42B42 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	195	221	257	306	366	437	520	614
		LIQUID TEMPERATURE (°F)	61	69	79	89	99	111	120	130
		LIQUID SUBCOOLING (°F)	7	7	7	9	11	13	17	21
		SUCTION PRESSURE (PSIG)	112	115	119	122	125	128	130	132
		SUCTION TEMPERATURE (°F)	52	51	50	50	50	51	53	56
		SUCTION SUPERHEAT (°F)	15	12	10	8	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	5.2	5.4	6.0	6.7	7.7	8.9	10.2	11.8
		COMPRESSOR CURRENT (A)	4.2	4.5	5.0	5.8	6.7	7.9	9.2	10.9
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	22	22	21	20	
	1400	LIQUID PRESSURE (PSIG)	189	215	251	300	360	431	514	608
		LIQUID TEMPERATURE (°F)	59	67	77	87	98	109	119	129
		LIQUID SUBCOOLING (°F)	7	7	7	9	11	13	17	21
		SUCTION PRESSURE (PSIG)	116	119	123	126	129	132	134	136
		SUCTION TEMPERATURE (°F)	55	53	53	52	53	54	56	58
		SUCTION SUPERHEAT (°F)	16	13	11	9	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	5.0	5.2	5.8	6.5	7.5	8.7	10.1	11.6
		COMPRESSOR CURRENT (A)	4.0	4.3	4.8	5.6	6.5	7.7	9.1	10.7
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	20	20	19	18	
	1600	LIQUID PRESSURE (PSIG)	183	209	245	294	354	425	508	602
		LIQUID TEMPERATURE (°F)	58	67	77	87	98	109	119	129
		LIQUID SUBCOOLING (°F)	6	6	6	8	10	12	16	20
		SUCTION PRESSURE (PSIG)	120	123	127	130	133	136	138	140
		SUCTION TEMPERATURE (°F)	58	56	56	55	55	56	58	61
		SUCTION SUPERHEAT (°F)	17	14	12	10	9	9	10	12
		OUTDOOR UNIT CURRENT (A)	4.8	5.1	5.7	6.3	7.4	8.5	9.9	11.4
		COMPRESSOR CURRENT (A)	3.8	4.2	4.7	5.4	6.4	7.5	8.9	10.5
	INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	18	18	17	16	
	80/57	1200	LIQUID PRESSURE (PSIG)	190	217	254	302	359	426	504
LIQUID TEMPERATURE (°F)			60	68	77	88	98	108	118	127
LIQUID SUBCOOLING (°F)			7	7	8	9	11	14	17	21
SUCTION PRESSURE (PSIG)			102	106	110	114	118	122	125	129
SUCTION TEMPERATURE (°F)			49	47	47	47	49	51	53	57
SUCTION SUPERHEAT (°F)			16	13	11	9	9	9	10	12
OUTDOOR UNIT CURRENT (A)			5.1	5.5	6.0	6.7	7.7	8.8	10.2	11.8
COMPRESSOR CURRENT (A)			4.2	4.6	5.1	5.8	6.8	7.9	9.2	10.8
INDOOR COIL DB TEMP DROP (°F)		31	31	30	30	29	28	27	25	
1400		LIQUID PRESSURE (PSIG)	186	213	250	298	355	422	500	588
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	6	6	7	8	10	13	16	20
		SUCTION PRESSURE (PSIG)	109	113	117	121	125	129	132	136
		SUCTION TEMPERATURE (°F)	53	52	51	51	53	55	57	60
		SUCTION SUPERHEAT (°F)	17	14	12	10	10	10	11	13
		OUTDOOR UNIT CURRENT (A)	4.9	5.2	5.7	6.5	7.4	8.6	10.0	11.6
		COMPRESSOR CURRENT (A)	4.0	4.3	4.8	5.6	6.5	7.7	9.0	10.6
INDOOR COIL DB TEMP DROP (°F)		27	27	26	26	25	24	23	21	
1600		LIQUID PRESSURE (PSIG)	182	209	246	294	351	418	496	584
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	5	5	6	7	9	12	15	19
		SUCTION PRESSURE (PSIG)	116	120	124	128	132	136	139	143
		SUCTION TEMPERATURE (°F)	57	56	56	55	57	58	61	64
		SUCTION SUPERHEAT (°F)	18	15	13	11	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.5	6.3	7.2	8.3	9.8	11.3
		COMPRESSOR CURRENT (A)	3.8	4.1	4.6	5.4	6.3	7.4	8.8	10.3
INDOOR COIL DB TEMP DROP (°F)		23	23	22	22	21	20	19	17	

## TCD42B42 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1200	LIQUID PRESSURE (PSIG)	192	218	256	303	361	429	508	597
		LIQUID TEMPERATURE (°F)	59	67	77	88	98	108	118	126
		LIQUID SUBCOOLING (°F)	8	8	8	9	11	14	17	22
		SUCTION PRESSURE (PSIG)	111	115	118	122	125	128	130	133
		SUCTION TEMPERATURE (°F)	54	52	50	51	51	52	54	58
		SUCTION SUPERHEAT (°F)	17	13	10	9	8	8	9	12
		OUTDOOR UNIT CURRENT (A)	5.1	5.4	6.0	6.8	7.7	8.8	10.0	11.5
		COMPRESSOR CURRENT (A)	4.1	4.5	5.0	5.8	6.7	7.8	9.1	10.6
	INDOOR COIL DB TEMP DROP (°F)	27	28	28	27	27	26	25	24	
	1400	LIQUID PRESSURE (PSIG)	189	215	253	300	358	426	505	594
		LIQUID TEMPERATURE (°F)	59	67	78	88	99	109	119	127
		LIQUID SUBCOOLING (°F)	7	7	7	8	10	13	16	21
		SUCTION PRESSURE (PSIG)	116	120	123	127	130	133	135	138
		SUCTION TEMPERATURE (°F)	57	55	53	54	54	55	57	61
		SUCTION SUPERHEAT (°F)	18	14	11	10	9	9	10	13
		OUTDOOR UNIT CURRENT (A)	5.0	5.3	5.9	6.7	7.6	8.7	9.9	11.4
		COMPRESSOR CURRENT (A)	4.0	4.4	4.9	5.7	6.6	7.7	9.0	10.5
	INDOOR COIL DB TEMP DROP (°F)	24	25	25	24	24	23	22	21	
	1600	LIQUID PRESSURE (PSIG)	186	212	250	297	355	423	502	591
		LIQUID TEMPERATURE (°F)	59	67	78	88	99	109	119	128
		LIQUID SUBCOOLING (°F)	6	6	6	7	9	12	15	20
		SUCTION PRESSURE (PSIG)	121	125	128	132	135	138	140	143
		SUCTION TEMPERATURE (°F)	60	58	56	57	57	58	60	64
		SUCTION SUPERHEAT (°F)	19	15	12	11	10	10	11	14
		OUTDOOR UNIT CURRENT (A)	4.9	5.2	5.8	6.5	7.5	8.6	9.8	11.3
		COMPRESSOR CURRENT (A)	3.9	4.3	4.8	5.5	6.5	7.6	8.9	10.4
	INDOOR COIL DB TEMP DROP (°F)	21	22	22	21	21	20	19	18	
	80/67	1200	LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494
LIQUID TEMPERATURE (°F)			59	68	78	88	99	110	118	128
LIQUID SUBCOOLING (°F)			8	7	7	8	9	11	15	18
SUCTION PRESSURE (PSIG)			119	125	130	134	138	141	143	144
SUCTION TEMPERATURE (°F)			62	59	57	56	55	56	58	61
SUCTION SUPERHEAT (°F)			22	16	12	9	7	7	8	10
OUTDOOR UNIT CURRENT (A)			5.0	5.4	5.9	6.7	7.6	8.6	9.8	11.2
COMPRESSOR CURRENT (A)			4.1	4.4	5.0	5.7	6.6	7.6	8.8	10.2
INDOOR COIL DB TEMP DROP (°F)		22	23	23	23	22	22	21	20	
1400		LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494	577
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	110	118	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	11	15	18
		SUCTION PRESSURE (PSIG)	122	128	133	137	141	144	146	147
		SUCTION TEMPERATURE (°F)	65	61	59	58	57	59	60	63
		SUCTION SUPERHEAT (°F)	23	17	13	10	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	4.9	5.4	5.9	6.7	7.5	8.6	9.8	11.2
		COMPRESSOR CURRENT (A)	4.0	4.4	5.0	5.7	6.5	7.6	8.8	10.2
INDOOR COIL DB TEMP DROP (°F)		20	21	21	21	20	20	19	18	
1600		LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494	577
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	110	118	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	11	15	18
		SUCTION PRESSURE (PSIG)	125	131	136	140	144	147	149	150
		SUCTION TEMPERATURE (°F)	67	63	61	60	60	61	63	65
		SUCTION SUPERHEAT (°F)	24	18	14	11	9	9	10	12
		OUTDOOR UNIT CURRENT (A)	4.9	5.3	5.8	6.6	7.5	8.5	9.7	11.1
		COMPRESSOR CURRENT (A)	4.0	4.3	4.9	5.6	6.5	7.5	8.7	10.1
INDOOR COIL DB TEMP DROP (°F)		18	19	19	19	18	18	17	16	

Continued on next page.

## TCD42B42 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1200	LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482	558
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	10	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	123	131	138	145	149	153	156	157
		SUCTION TEMPERATURE (°F)	67	64	63	62	62	62	63	64
		SUCTION SUPERHEAT (°F)	25	19	15	11	9	8	8	9
		OUTDOOR UNIT CURRENT (A)	5.1	5.4	6.0	6.7	7.4	8.5	9.7	11.0
		COMPRESSOR CURRENT (A)	4.1	4.4	5.0	5.7	6.5	7.5	8.7	10.0
	INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	18	18	17	16	
	1400	LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482	558
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	10	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	126	134	141	148	152	156	159	160
		SUCTION TEMPERATURE (°F)	69	67	65	64	64	64	65	67
		SUCTION SUPERHEAT (°F)	26	20	16	12	10	9	9	10
		OUTDOOR UNIT CURRENT (A)	5.0	5.4	5.9	6.6	7.4	8.4	9.6	10.9
		COMPRESSOR CURRENT (A)	4.0	4.4	4.9	5.6	6.5	7.4	8.6	9.9
	INDOOR COIL DB TEMP DROP (°F)	16	16	16	16	16	16	15	14	
	1600	LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482	558
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	10	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	129	137	144	151	155	159	162	163
		SUCTION TEMPERATURE (°F)	72	69	68	66	66	66	67	69
		SUCTION SUPERHEAT (°F)	27	21	17	13	11	10	10	11
OUTDOOR UNIT CURRENT (A)		5.0	5.3	5.8	6.5	7.3	8.4	9.5	10.9	
COMPRESSOR CURRENT (A)		4.0	4.3	4.8	5.5	6.4	7.4	8.5	9.9	
INDOOR COIL DB TEMP DROP (°F)	14	14	14	14	14	14	13	12		

FOR USE WITH MODELS:

TCD48B31

TCD48B41

TCD48B51

TCD48B(3,4,5)1 SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	196(10)	199(12)	204(13)	207(15)
60	210(10)	213(11)	217(13)	221(14)
65	226(10)	229(11)	233(12)	238(13)
70	244(9)	248(10)	251(12)	256(13)
75	265(10)	268(10)	271(11)	276(12)
80	288(10)	291(11)	294(11)	298(12)
85	313(10)	316(11)	318(12)	322(12)
90	340(11)	343(12)	345(12)	348(13)
95	370(12)	373(12)	374(13)	376(13)
100	401(13)	405(13)	405(13)	406(13)
105	435(14)	439(15)	438(14)	438(14)
110	471(16)	475(16)	474(16)	472(15)
115	509(17)	514(18)	511(17)	507(16)
120	549(19)	555(20)	551(19)	545(18)
125	591(21)	598(22)	593(21)	585(19)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## TCD48B31 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1400	LIQUID PRESSURE (PSIG)	201	229	267	315	373	440	518	605
		LIQUID TEMPERATURE (°F)	58	67	78	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	110	116	120	124	128	131	133	135
		SUCTION TEMPERATURE (°F)	60	57	54	53	52	52	54	57
		SUCTION SUPERHEAT (°F)	24	18	13	10	8	7	8	10
		OUTDOOR UNIT CURRENT (A)	5.9	6.3	7.1	8.0	9.3	10.9	12.8	14.9
		COMPRESSOR CURRENT (A)	4.9	5.3	6.1	7.0	8.3	9.9	11.8	13.9
	INDOOR COIL DB TEMP DROP (°F)	23	23	24	24	23	23	22	21	
	1600	LIQUID PRESSURE (PSIG)	200	228	266	314	372	439	517	604
		LIQUID TEMPERATURE (°F)	58	67	78	88	98	109	119	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	112	118	122	126	130	133	135	137
		SUCTION TEMPERATURE (°F)	62	59	56	54	54	54	56	59
		SUCTION SUPERHEAT (°F)	25	19	14	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.3	7.1	8.0	9.3	10.9	12.8	14.9
		COMPRESSOR CURRENT (A)	4.9	5.3	6.1	7.0	8.3	9.9	11.8	13.9
	INDOOR COIL DB TEMP DROP (°F)	21	21	22	22	21	21	20	19	
	1800	LIQUID PRESSURE (PSIG)	199	227	265	313	371	438	516	603
		LIQUID TEMPERATURE (°F)	57	67	78	88	98	109	119	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	114	120	124	128	132	135	137	139
		SUCTION TEMPERATURE (°F)	64	61	58	56	56	56	58	61
		SUCTION SUPERHEAT (°F)	26	20	15	12	10	9	10	12
OUTDOOR UNIT CURRENT (A)		5.9	6.3	7.1	8.0	9.3	10.9	12.8	14.9	
COMPRESSOR CURRENT (A)		4.9	5.3	6.1	7.0	8.3	9.9	11.8	13.9	
INDOOR COIL DB TEMP DROP (°F)	19	19	20	20	19	19	18	17		

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## TCD48B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1400	LIQUID PRESSURE (PSIG)	197	227	266	314	371	436	510	592
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	119	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	104	109	114	118	123	127	131	135
		SUCTION TEMPERATURE (°F)	58	55	52	50	50	51	53	57
		SUCTION SUPERHEAT (°F)	25	19	14	10	8	7	8	10
		OUTDOOR UNIT CURRENT (A)	5.8	6.4	7.2	8.1	9.3	10.8	12.6	14.6
		COMPRESSOR CURRENT (A)	4.8	5.4	6.1	7.1	8.4	9.9	11.6	13.6
	INDOOR COIL DB TEMP DROP (°F)	29	30	29	29	28	27	26	24	
	1600	LIQUID PRESSURE (PSIG)	196	226	265	313	370	435	509	591
		LIQUID TEMPERATURE (°F)	59	67	78	89	99	109	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	108	113	118	122	127	131	135	139
		SUCTION TEMPERATURE (°F)	61	58	55	53	53	53	56	60
		SUCTION SUPERHEAT (°F)	26	20	15	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	5.8	6.3	7.1	8.0	9.2	10.7	12.5	14.6
		COMPRESSOR CURRENT (A)	4.8	5.3	6.0	7.0	8.3	9.8	11.5	13.6
	INDOOR COIL DB TEMP DROP (°F)	27	28	27	27	26	25	24	22	
	1800	LIQUID PRESSURE (PSIG)	195	225	264	312	369	434	508	590
		LIQUID TEMPERATURE (°F)	58	67	78	89	99	109	118	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	112	117	122	126	131	135	139	143
		SUCTION TEMPERATURE (°F)	64	60	58	55	55	56	59	62
		SUCTION SUPERHEAT (°F)	27	21	16	12	10	9	10	12
		OUTDOOR UNIT CURRENT (A)	5.7	6.3	7.0	8.0	9.2	10.7	12.5	14.5
		COMPRESSOR CURRENT (A)	4.7	5.3	5.9	7.0	8.3	9.8	11.5	13.5
	INDOOR COIL DB TEMP DROP (°F)	25	26	25	25	24	23	22	20	
	80/62	1400	LIQUID PRESSURE (PSIG)	200	230	269	317	374	440	515
LIQUID TEMPERATURE (°F)			58	68	79	89	100	109	118	127
LIQUID SUBCOOLING (°F)			12	11	10	11	12	15	18	22
SUCTION PRESSURE (PSIG)			112	116	121	124	128	131	134	137
SUCTION TEMPERATURE (°F)			63	58	55	53	52	52	55	58
SUCTION SUPERHEAT (°F)			26	19	14	10	8	7	8	10
OUTDOOR UNIT CURRENT (A)			6.0	6.5	7.1	8.1	9.4	10.9	12.7	14.7
COMPRESSOR CURRENT (A)			5.0	5.4	6.1	7.1	8.4	9.9	11.7	13.7
INDOOR COIL DB TEMP DROP (°F)		26	27	27	28	27	27	25	24	
1600		LIQUID PRESSURE (PSIG)	199	229	268	316	373	439	514	598
		LIQUID TEMPERATURE (°F)	57	67	79	89	100	109	118	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	12	15	18	22
		SUCTION PRESSURE (PSIG)	114	118	123	126	130	133	136	139
		SUCTION TEMPERATURE (°F)	65	60	57	54	54	54	56	60
		SUCTION SUPERHEAT (°F)	27	20	15	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.0	9.3	10.8	12.6	14.7
		COMPRESSOR CURRENT (A)	4.9	5.3	6.1	7.0	8.3	9.8	11.6	13.7
INDOOR COIL DB TEMP DROP (°F)		24	25	25	26	25	25	23	22	
1800		LIQUID PRESSURE (PSIG)	198	228	267	315	372	438	513	597
		LIQUID TEMPERATURE (°F)	57	67	78	89	99	109	118	126
		LIQUID SUBCOOLING (°F)	12	11	10	11	12	15	18	22
		SUCTION PRESSURE (PSIG)	116	120	125	128	132	135	138	141
		SUCTION TEMPERATURE (°F)	67	62	59	56	56	56	58	61
		SUCTION SUPERHEAT (°F)	28	21	16	12	10	9	10	12
		OUTDOOR UNIT CURRENT (A)	5.8	6.4	7.0	8.0	9.3	10.8	12.5	14.6
		COMPRESSOR CURRENT (A)	4.8	5.3	6.0	7.0	8.3	9.8	11.5	13.6
INDOOR COIL DB TEMP DROP (°F)		22	23	23	24	23	23	21	20	

Continued on next page.

## TCD48B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1400	LIQUID PRESSURE (PSIG)	205	234	272	319	375	439	512	594
		LIQUID TEMPERATURE (°F)	58	68	79	88	99	110	119	127
		LIQUID SUBCOOLING (°F)	13	12	11	12	13	14	17	21
		SUCTION PRESSURE (PSIG)	115	122	129	134	139	142	145	146
		SUCTION TEMPERATURE (°F)	69	65	62	60	59	59	60	61
		SUCTION SUPERHEAT (°F)	30	23	17	13	10	9	9	10
		OUTDOOR UNIT CURRENT (A)	6.0	6.4	7.1	8.1	9.3	10.7	12.3	14.3
		COMPRESSOR CURRENT (A)	5.0	5.4	6.1	7.1	8.3	9.7	11.4	13.3
	INDOOR COIL DB TEMP DROP (°F)	21	22	23	23	23	23	22	21	
	1600	LIQUID PRESSURE (PSIG)	204	233	271	318	374	438	511	593
		LIQUID TEMPERATURE (°F)	58	67	78	88	99	110	119	127
		LIQUID SUBCOOLING (°F)	13	12	11	12	13	14	17	21
		SUCTION PRESSURE (PSIG)	117	124	131	136	141	144	147	148
		SUCTION TEMPERATURE (°F)	70	67	63	61	60	61	62	63
		SUCTION SUPERHEAT (°F)	31	24	18	14	11	10	10	11
		OUTDOOR UNIT CURRENT (A)	6.0	6.4	7.1	8.1	9.3	10.7	12.3	14.3
		COMPRESSOR CURRENT (A)	5.0	5.4	6.1	7.1	8.3	9.7	11.4	13.3
	INDOOR COIL DB TEMP DROP (°F)	19	20	21	21	21	21	20	19	
	1800	LIQUID PRESSURE (PSIG)	203	232	270	317	373	437	510	592
		LIQUID TEMPERATURE (°F)	58	67	78	88	99	110	119	127
		LIQUID SUBCOOLING (°F)	13	12	11	12	13	14	17	21
		SUCTION PRESSURE (PSIG)	119	126	133	138	143	146	149	150
		SUCTION TEMPERATURE (°F)	72	68	65	63	62	62	64	65
		SUCTION SUPERHEAT (°F)	32	25	19	15	12	11	11	12
		OUTDOOR UNIT CURRENT (A)	6.0	6.4	7.1	8.1	9.3	10.7	12.3	14.3
		COMPRESSOR CURRENT (A)	5.0	5.4	6.1	7.1	8.3	9.7	11.4	13.3
	INDOOR COIL DB TEMP DROP (°F)	17	18	19	19	19	19	18	17	
	80/72	1400	LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507
LIQUID TEMPERATURE (°F)			57	68	79	89	99	110	119	128
LIQUID SUBCOOLING (°F)			15	13	12	12	13	14	16	19
SUCTION PRESSURE (PSIG)			117	126	135	142	148	153	156	159
SUCTION TEMPERATURE (°F)			71	69	68	67	66	66	65	66
SUCTION SUPERHEAT (°F)			32	26	21	17	14	12	10	10
OUTDOOR UNIT CURRENT (A)			6.0	6.6	7.2	8.2	9.3	10.7	12.3	14.0
COMPRESSOR CURRENT (A)			5.0	5.5	6.2	7.2	8.3	9.7	11.3	13.0
INDOOR COIL DB TEMP DROP (°F)		16	16	17	17	17	17	16	16	
1600		LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507	585
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	15	13	12	12	13	14	16	19
		SUCTION PRESSURE (PSIG)	119	128	137	144	150	155	158	161
		SUCTION TEMPERATURE (°F)	73	71	70	69	68	68	67	68
		SUCTION SUPERHEAT (°F)	33	27	22	18	15	13	11	11
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.2	8.2	9.3	10.7	12.3	14.0
		COMPRESSOR CURRENT (A)	5.0	5.5	6.2	7.2	8.3	9.7	11.3	13.0
INDOOR COIL DB TEMP DROP (°F)		15	15	16	16	16	16	15	15	
1800		LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507	585
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	15	13	12	12	13	14	16	19
		SUCTION PRESSURE (PSIG)	121	130	139	146	152	157	160	163
		SUCTION TEMPERATURE (°F)	75	73	72	70	70	69	69	70
		SUCTION SUPERHEAT (°F)	34	28	23	19	16	14	12	12
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.2	8.2	9.3	10.7	12.3	14.0
		COMPRESSOR CURRENT (A)	5.0	5.5	6.2	7.2	8.3	9.7	11.3	13.0
INDOOR COIL DB TEMP DROP (°F)		14	14	15	15	15	15	14	14	

## TCD48B41 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1400	LIQUID PRESSURE (PSIG)	201	229	267	315	373	440	518	605
		LIQUID TEMPERATURE (°F)	58	67	78	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	110	116	120	124	128	131	133	135
		SUCTION TEMPERATURE (°F)	60	57	54	53	52	52	54	57
		SUCTION SUPERHEAT (°F)	24	18	13	10	8	7	8	10
		OUTDOOR UNIT CURRENT (A)	3.0	3.2	3.5	4.0	4.7	5.5	6.4	7.5
		COMPRESSOR CURRENT (A)	2.5	2.7	3.0	3.5	4.2	5.0	5.9	7.0
	INDOOR COIL DB TEMP DROP (°F)	23	23	24	24	23	23	22	21	
	1600	LIQUID PRESSURE (PSIG)	200	228	266	314	372	439	517	604
		LIQUID TEMPERATURE (°F)	58	67	78	88	98	109	119	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	112	118	122	126	130	133	135	137
		SUCTION TEMPERATURE (°F)	62	59	56	54	54	54	56	59
		SUCTION SUPERHEAT (°F)	25	19	14	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	3.0	3.2	3.5	4.0	4.7	5.5	6.4	7.5
		COMPRESSOR CURRENT (A)	2.5	2.7	3.0	3.5	4.2	5.0	5.9	7.0
	INDOOR COIL DB TEMP DROP (°F)	21	21	22	22	21	21	20	19	
	1800	LIQUID PRESSURE (PSIG)	199	227	265	313	371	438	516	603
		LIQUID TEMPERATURE (°F)	57	67	78	88	98	109	119	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	114	120	124	128	132	135	137	139
		SUCTION TEMPERATURE (°F)	64	61	58	56	56	56	58	61
		SUCTION SUPERHEAT (°F)	26	20	15	12	10	9	10	12
		OUTDOOR UNIT CURRENT (A)	3.0	3.2	3.5	4.0	4.7	5.5	6.4	7.5
		COMPRESSOR CURRENT (A)	2.5	2.7	3.0	3.5	4.2	5.0	5.9	7.0
	INDOOR COIL DB TEMP DROP (°F)	19	19	20	20	19	19	18	17	
	80/57	1400	LIQUID PRESSURE (PSIG)	197	227	266	314	371	436	510
LIQUID TEMPERATURE (°F)			59	68	78	89	99	109	119	127
LIQUID SUBCOOLING (°F)			10	10	10	10	12	14	17	21
SUCTION PRESSURE (PSIG)			104	109	114	118	123	127	131	135
SUCTION TEMPERATURE (°F)			58	55	52	50	50	51	53	57
SUCTION SUPERHEAT (°F)			25	19	14	10	8	7	8	10
OUTDOOR UNIT CURRENT (A)			2.9	3.2	3.6	4.1	4.6	5.4	6.3	7.3
COMPRESSOR CURRENT (A)			2.4	2.7	3.0	3.6	4.2	4.9	5.8	6.8
INDOOR COIL DB TEMP DROP (°F)		29	30	29	29	28	27	26	24	
1600		LIQUID PRESSURE (PSIG)	196	226	265	313	370	435	509	591
		LIQUID TEMPERATURE (°F)	59	67	78	89	99	109	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	108	113	118	122	127	131	135	139
		SUCTION TEMPERATURE (°F)	61	58	55	53	53	53	56	60
		SUCTION SUPERHEAT (°F)	26	20	15	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	2.9	3.2	3.6	4.0	4.6	5.4	6.3	7.3
		COMPRESSOR CURRENT (A)	2.4	2.7	3.0	3.5	4.2	4.9	5.8	6.8
INDOOR COIL DB TEMP DROP (°F)		27	28	27	27	26	25	24	22	
1800		LIQUID PRESSURE (PSIG)	195	225	264	312	369	434	508	590
		LIQUID TEMPERATURE (°F)	58	67	78	89	99	109	118	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	112	117	122	126	131	135	139	143
		SUCTION TEMPERATURE (°F)	64	60	58	55	55	56	59	62
		SUCTION SUPERHEAT (°F)	27	21	16	12	10	9	10	12
		OUTDOOR UNIT CURRENT (A)	2.9	3.1	3.5	4.0	4.6	5.3	6.2	7.3
		COMPRESSOR CURRENT (A)	2.4	2.6	3.0	3.5	4.1	4.9	5.7	6.8
INDOOR COIL DB TEMP DROP (°F)		25	26	25	25	24	23	22	20	

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## TCD48B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1400	LIQUID PRESSURE (PSIG)	200	230	269	317	374	440	515	599
		LIQUID TEMPERATURE (°F)	58	68	79	89	100	109	118	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	12	15	18	22
		SUCTION PRESSURE (PSIG)	112	116	121	124	128	131	134	137
		SUCTION TEMPERATURE (°F)	63	58	55	53	52	52	55	58
		SUCTION SUPERHEAT (°F)	26	19	14	10	8	7	8	10
		OUTDOOR UNIT CURRENT (A)	3.0	3.2	3.6	4.1	4.7	5.4	6.3	7.4
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.6	4.2	4.9	5.8	6.9
	INDOOR COIL DB TEMP DROP (°F)	26	27	27	28	27	27	25	24	
	1600	LIQUID PRESSURE (PSIG)	199	229	268	316	373	439	514	598
		LIQUID TEMPERATURE (°F)	57	67	79	89	100	109	118	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	12	15	18	22
		SUCTION PRESSURE (PSIG)	114	118	123	126	130	133	136	139
		SUCTION TEMPERATURE (°F)	65	60	57	54	54	54	56	60
		SUCTION SUPERHEAT (°F)	27	20	15	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	3.0	3.2	3.5	4.0	4.7	5.4	6.3	7.3
		COMPRESSOR CURRENT (A)	2.5	2.7	3.0	3.5	4.2	4.9	5.8	6.8
	INDOOR COIL DB TEMP DROP (°F)	24	25	25	26	25	25	23	22	
	1800	LIQUID PRESSURE (PSIG)	198	228	267	315	372	438	513	597
		LIQUID TEMPERATURE (°F)	57	67	78	89	99	109	118	126
		LIQUID SUBCOOLING (°F)	12	11	10	11	12	15	18	22
		SUCTION PRESSURE (PSIG)	116	120	125	128	132	135	138	141
		SUCTION TEMPERATURE (°F)	67	62	59	56	56	56	58	61
		SUCTION SUPERHEAT (°F)	28	21	16	12	10	9	10	12
		OUTDOOR UNIT CURRENT (A)	2.9	3.2	3.5	4.0	4.6	5.4	6.3	7.3
		COMPRESSOR CURRENT (A)	2.4	2.6	3.0	3.5	4.1	4.9	5.8	6.8
	INDOOR COIL DB TEMP DROP (°F)	22	23	23	24	23	23	21	20	
	80/67	1400	LIQUID PRESSURE (PSIG)	205	234	272	319	375	439	512
LIQUID TEMPERATURE (°F)			58	68	79	88	99	110	119	127
LIQUID SUBCOOLING (°F)			13	12	11	12	13	14	17	21
SUCTION PRESSURE (PSIG)			115	122	129	134	139	142	145	146
SUCTION TEMPERATURE (°F)			69	65	62	60	59	59	60	61
SUCTION SUPERHEAT (°F)			30	23	17	13	10	9	9	10
OUTDOOR UNIT CURRENT (A)			3.0	3.2	3.6	4.1	4.6	5.3	6.2	7.2
COMPRESSOR CURRENT (A)			2.5	2.7	3.1	3.6	4.1	4.8	5.7	6.7
INDOOR COIL DB TEMP DROP (°F)		21	22	23	23	23	23	22	21	
1600		LIQUID PRESSURE (PSIG)	204	233	271	318	374	438	511	593
		LIQUID TEMPERATURE (°F)	58	67	78	88	99	110	119	127
		LIQUID SUBCOOLING (°F)	13	12	11	12	13	14	17	21
		SUCTION PRESSURE (PSIG)	117	124	131	136	141	144	147	148
		SUCTION TEMPERATURE (°F)	70	67	63	61	60	61	62	63
		SUCTION SUPERHEAT (°F)	31	24	18	14	11	10	10	11
		OUTDOOR UNIT CURRENT (A)	3.0	3.2	3.6	4.1	4.6	5.3	6.2	7.2
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.6	4.1	4.8	5.7	6.7
INDOOR COIL DB TEMP DROP (°F)		19	20	21	21	21	21	20	19	
1800		LIQUID PRESSURE (PSIG)	203	232	270	317	373	437	510	592
		LIQUID TEMPERATURE (°F)	58	67	78	88	99	110	119	127
		LIQUID SUBCOOLING (°F)	13	12	11	12	13	14	17	21
		SUCTION PRESSURE (PSIG)	119	126	133	138	143	146	149	150
		SUCTION TEMPERATURE (°F)	72	68	65	63	62	62	64	65
		SUCTION SUPERHEAT (°F)	32	25	19	15	12	11	11	12
		OUTDOOR UNIT CURRENT (A)	3.0	3.2	3.6	4.1	4.6	5.3	6.2	7.2
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.6	4.1	4.8	5.7	6.7
INDOOR COIL DB TEMP DROP (°F)		17	18	19	19	19	19	18	17	

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## TCD48B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1400	LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507	585
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	15	13	12	12	13	14	16	19
		SUCTION PRESSURE (PSIG)	117	126	135	142	148	153	156	159
		SUCTION TEMPERATURE (°F)	71	69	68	67	66	66	65	66
		SUCTION SUPERHEAT (°F)	32	26	21	17	14	12	10	10
		OUTDOOR UNIT CURRENT (A)	3.0	3.3	3.6	4.1	4.7	5.3	6.1	7.0
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.6	4.2	4.8	5.6	6.5
	INDOOR COIL DB TEMP DROP (°F)	16	16	17	17	17	17	16	16	
	1600	LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507	585
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	15	13	12	12	13	14	16	19
		SUCTION PRESSURE (PSIG)	119	128	137	144	150	155	158	161
		SUCTION TEMPERATURE (°F)	73	71	70	69	68	68	67	68
		SUCTION SUPERHEAT (°F)	33	27	22	18	15	13	11	11
		OUTDOOR UNIT CURRENT (A)	3.0	3.3	3.6	4.1	4.7	5.3	6.1	7.0
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.6	4.2	4.8	5.6	6.5
	INDOOR COIL DB TEMP DROP (°F)	15	15	16	16	16	16	15	15	
	1800	LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507	585
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	15	13	12	12	13	14	16	19
		SUCTION PRESSURE (PSIG)	121	130	139	146	152	157	160	163
		SUCTION TEMPERATURE (°F)	75	73	72	70	70	69	69	70
		SUCTION SUPERHEAT (°F)	34	28	23	19	16	14	12	12
OUTDOOR UNIT CURRENT (A)		3.0	3.3	3.6	4.1	4.7	5.3	6.1	7.0	
COMPRESSOR CURRENT (A)		2.5	2.7	3.1	3.6	4.2	4.8	5.6	6.5	
INDOOR COIL DB TEMP DROP (°F)	14	14	15	15	15	15	14	14		

## TCD48B51 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1400	LIQUID PRESSURE (PSIG)	201	229	267	315	373	440	518	605
		LIQUID TEMPERATURE (°F)	58	67	78	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	110	116	120	124	128	131	133	135
		SUCTION TEMPERATURE (°F)	60	57	54	53	52	52	54	57
		SUCTION SUPERHEAT (°F)	24	18	13	10	8	7	8	10
		OUTDOOR UNIT CURRENT (A)	2.4	2.5	2.8	3.2	3.7	4.4	5.1	6.0
		COMPRESSOR CURRENT (A)	2.0	2.1	2.4	2.8	3.3	4.0	4.7	5.6
	INDOOR COIL DB TEMP DROP (°F)	23	23	24	24	23	23	22	21	
	1600	LIQUID PRESSURE (PSIG)	200	228	266	314	372	439	517	604
		LIQUID TEMPERATURE (°F)	58	67	78	88	98	109	119	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	112	118	122	126	130	133	135	137
		SUCTION TEMPERATURE (°F)	62	59	56	54	54	54	56	59
		SUCTION SUPERHEAT (°F)	25	19	14	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	2.4	2.5	2.8	3.2	3.7	4.4	5.1	6.0
		COMPRESSOR CURRENT (A)	2.0	2.1	2.4	2.8	3.3	4.0	4.7	5.6
	INDOOR COIL DB TEMP DROP (°F)	21	21	22	22	21	21	20	19	
	1800	LIQUID PRESSURE (PSIG)	199	227	265	313	371	438	516	603
		LIQUID TEMPERATURE (°F)	57	67	78	88	98	109	119	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	114	120	124	128	132	135	137	139
		SUCTION TEMPERATURE (°F)	64	61	58	56	56	56	58	61
		SUCTION SUPERHEAT (°F)	26	20	15	12	10	9	10	12
OUTDOOR UNIT CURRENT (A)		2.4	2.5	2.8	3.2	3.7	4.4	5.1	6.0	
COMPRESSOR CURRENT (A)		2.0	2.1	2.4	2.8	3.3	4.0	4.7	5.6	
INDOOR COIL DB TEMP DROP (°F)	19	19	20	20	19	19	18	17		
80/57	1400	LIQUID PRESSURE (PSIG)	197	227	266	314	371	436	510	592
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	119	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	104	109	114	118	123	127	131	135
		SUCTION TEMPERATURE (°F)	58	55	52	50	50	51	53	57
		SUCTION SUPERHEAT (°F)	25	19	14	10	8	7	8	10
		OUTDOOR UNIT CURRENT (A)	2.3	2.5	2.9	3.2	3.7	4.3	5.0	5.9
		COMPRESSOR CURRENT (A)	1.9	2.1	2.4	2.8	3.3	3.9	4.6	5.5
	INDOOR COIL DB TEMP DROP (°F)	29	30	29	29	28	27	26	24	
	1600	LIQUID PRESSURE (PSIG)	196	226	265	313	370	435	509	591
		LIQUID TEMPERATURE (°F)	59	67	78	89	99	109	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	108	113	118	122	127	131	135	139
		SUCTION TEMPERATURE (°F)	61	58	55	53	53	53	56	60
		SUCTION SUPERHEAT (°F)	26	20	15	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	2.3	2.5	2.8	3.2	3.7	4.3	5.0	5.8
		COMPRESSOR CURRENT (A)	1.9	2.1	2.4	2.8	3.3	3.9	4.6	5.4
	INDOOR COIL DB TEMP DROP (°F)	27	28	27	27	26	25	24	22	
	1800	LIQUID PRESSURE (PSIG)	195	225	264	312	369	434	508	590
		LIQUID TEMPERATURE (°F)	58	67	78	89	99	109	118	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	112	117	122	126	131	135	139	143
		SUCTION TEMPERATURE (°F)	64	60	58	55	55	56	59	62
		SUCTION SUPERHEAT (°F)	27	21	16	12	10	9	10	12
OUTDOOR UNIT CURRENT (A)		2.3	2.5	2.8	3.2	3.7	4.3	5.0	5.8	
COMPRESSOR CURRENT (A)		1.9	2.1	2.4	2.8	3.3	3.9	4.6	5.4	
INDOOR COIL DB TEMP DROP (°F)	25	26	25	25	24	23	22	20		

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## TCD48B51 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1400	LIQUID PRESSURE (PSIG)	200	230	269	317	374	440	515	599
		LIQUID TEMPERATURE (°F)	58	68	79	89	100	109	118	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	12	15	18	22
		SUCTION PRESSURE (PSIG)	112	116	121	124	128	131	134	137
		SUCTION TEMPERATURE (°F)	63	58	55	53	52	52	55	58
		SUCTION SUPERHEAT (°F)	26	19	14	10	8	7	8	10
		OUTDOOR UNIT CURRENT (A)	2.4	2.6	2.8	3.2	3.7	4.3	5.1	5.9
		COMPRESSOR CURRENT (A)	2.0	2.1	2.4	2.8	3.3	3.9	4.7	5.5
	INDOOR COIL DB TEMP DROP (°F)	26	27	27	28	27	27	25	24	
	1600	LIQUID PRESSURE (PSIG)	199	229	268	316	373	439	514	598
		LIQUID TEMPERATURE (°F)	57	67	79	89	100	109	118	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	12	15	18	22
		SUCTION PRESSURE (PSIG)	114	118	123	126	130	133	136	139
		SUCTION TEMPERATURE (°F)	65	60	57	54	54	54	56	60
		SUCTION SUPERHEAT (°F)	27	20	15	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	2.4	2.6	2.8	3.2	3.7	4.3	5.0	5.9
		COMPRESSOR CURRENT (A)	2.0	2.1	2.4	2.8	3.3	3.9	4.6	5.5
	INDOOR COIL DB TEMP DROP (°F)	24	25	25	26	25	25	23	22	
	1800	LIQUID PRESSURE (PSIG)	198	228	267	315	372	438	513	597
		LIQUID TEMPERATURE (°F)	57	67	78	89	99	109	118	126
		LIQUID SUBCOOLING (°F)	12	11	10	11	12	15	18	22
		SUCTION PRESSURE (PSIG)	116	120	125	128	132	135	138	141
		SUCTION TEMPERATURE (°F)	67	62	59	56	56	56	58	61
		SUCTION SUPERHEAT (°F)	28	21	16	12	10	9	10	12
		OUTDOOR UNIT CURRENT (A)	2.3	2.5	2.8	3.2	3.7	4.3	5.0	5.9
		COMPRESSOR CURRENT (A)	1.9	2.1	2.4	2.8	3.3	3.9	4.6	5.5
	INDOOR COIL DB TEMP DROP (°F)	22	23	23	24	23	23	21	20	
	80/67	1400	LIQUID PRESSURE (PSIG)	205	234	272	319	375	439	512
LIQUID TEMPERATURE (°F)			58	68	79	88	99	110	119	127
LIQUID SUBCOOLING (°F)			13	12	11	12	13	14	17	21
SUCTION PRESSURE (PSIG)			115	122	129	134	139	142	145	146
SUCTION TEMPERATURE (°F)			69	65	62	60	59	59	60	61
SUCTION SUPERHEAT (°F)			30	23	17	13	10	9	9	10
OUTDOOR UNIT CURRENT (A)			2.4	2.6	2.8	3.2	3.7	4.3	4.9	5.7
COMPRESSOR CURRENT (A)			2.0	2.2	2.4	2.8	3.3	3.9	4.6	5.3
INDOOR COIL DB TEMP DROP (°F)		21	22	23	23	23	23	22	21	
1600		LIQUID PRESSURE (PSIG)	204	233	271	318	374	438	511	593
		LIQUID TEMPERATURE (°F)	58	67	78	88	99	110	119	127
		LIQUID SUBCOOLING (°F)	13	12	11	12	13	14	17	21
		SUCTION PRESSURE (PSIG)	117	124	131	136	141	144	147	148
		SUCTION TEMPERATURE (°F)	70	67	63	61	60	61	62	63
		SUCTION SUPERHEAT (°F)	31	24	18	14	11	10	10	11
		OUTDOOR UNIT CURRENT (A)	2.4	2.6	2.8	3.2	3.7	4.3	4.9	5.7
		COMPRESSOR CURRENT (A)	2.0	2.2	2.4	2.8	3.3	3.9	4.6	5.3
INDOOR COIL DB TEMP DROP (°F)		19	20	21	21	21	21	20	19	
1800		LIQUID PRESSURE (PSIG)	203	232	270	317	373	437	510	592
		LIQUID TEMPERATURE (°F)	58	67	78	88	99	110	119	127
		LIQUID SUBCOOLING (°F)	13	12	11	12	13	14	17	21
		SUCTION PRESSURE (PSIG)	119	126	133	138	143	146	149	150
		SUCTION TEMPERATURE (°F)	72	68	65	63	62	62	64	65
		SUCTION SUPERHEAT (°F)	32	25	19	15	12	11	11	12
		OUTDOOR UNIT CURRENT (A)	2.4	2.6	2.8	3.2	3.7	4.3	4.9	5.7
		COMPRESSOR CURRENT (A)	2.0	2.2	2.4	2.8	3.3	3.9	4.6	5.3
INDOOR COIL DB TEMP DROP (°F)		17	18	19	19	19	19	18	17	

Continued on next page.

## TCD48B51 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1400	LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507	585
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	15	13	12	12	13	14	16	19
		SUCTION PRESSURE (PSIG)	117	126	135	142	148	153	156	159
		SUCTION TEMPERATURE (°F)	71	69	68	67	66	66	65	66
		SUCTION SUPERHEAT (°F)	32	26	21	17	14	12	10	10
		OUTDOOR UNIT CURRENT (A)	2.4	2.6	2.9	3.3	3.7	4.3	4.9	5.6
		COMPRESSOR CURRENT (A)	2.0	2.2	2.5	2.9	3.3	3.9	4.5	5.2
	INDOOR COIL DB TEMP DROP (°F)	16	16	17	17	17	17	16	16	
	1600	LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507	585
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	15	13	12	12	13	14	16	19
		SUCTION PRESSURE (PSIG)	119	128	137	144	150	155	158	161
		SUCTION TEMPERATURE (°F)	73	71	70	69	68	68	67	68
		SUCTION SUPERHEAT (°F)	33	27	22	18	15	13	11	11
		OUTDOOR UNIT CURRENT (A)	2.4	2.6	2.9	3.3	3.7	4.3	4.9	5.6
		COMPRESSOR CURRENT (A)	2.0	2.2	2.5	2.9	3.3	3.9	4.5	5.2
	INDOOR COIL DB TEMP DROP (°F)	15	15	16	16	16	16	15	15	
	1800	LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507	585
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	15	13	12	12	13	14	16	19
		SUCTION PRESSURE (PSIG)	121	130	139	146	152	157	160	163
		SUCTION TEMPERATURE (°F)	75	73	72	70	70	69	69	70
		SUCTION SUPERHEAT (°F)	34	28	23	19	16	14	12	12
OUTDOOR UNIT CURRENT (A)		2.4	2.6	2.9	3.3	3.7	4.3	4.9	5.6	
COMPRESSOR CURRENT (A)		2.0	2.2	2.5	2.9	3.3	3.9	4.5	5.2	
INDOOR COIL DB TEMP DROP (°F)	14	14	15	15	15	15	14	14		

FOR USE WITH MODELS:

TCD60B31

TCD60B41

TCD60B51

TCD60B(3,4,5)1 SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	192(7)	194(8)	196(8)	198(10)
60	206(8)	208(8)	210(8)	212(9)
65	222(8)	224(9)	226(9)	228(9)
70	240(9)	243(9)	244(9)	246(8)
75	261(9)	263(10)	264(9)	265(8)
80	283(10)	285(10)	286(10)	287(8)
85	307(11)	310(11)	310(10)	311(9)
90	333(11)	336(12)	336(11)	336(9)
95	362(12)	365(13)	364(12)	364(10)
100	392(13)	395(14)	394(13)	394(11)
105	425(14)	428(15)	426(14)	425(12)
110	460(15)	463(16)	461(15)	459(13)
115	496(16)	500(17)	497(16)	494(15)
120	535(18)	539(18)	535(17)	531(16)
125	576(19)	580(20)	575(19)	571(18)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## TCD60B31 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1530	LIQUID PRESSURE (PSIG)	196	226	264	311	366	430	502	583
		LIQUID TEMPERATURE (°F)	60	68	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	111	113	115	118	121	125	129	133
		SUCTION TEMPERATURE (°F)	51	51	52	53	54	56	59	61
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	8.9	10.0	11.4	13.2	15.1	17.4
		COMPRESSOR CURRENT (A)	6.2	6.8	7.7	8.8	10.2	12.0	13.9	16.2
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	23	22	21	20	
	1730	LIQUID PRESSURE (PSIG)	195	225	263	310	365	429	501	582
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	113	115	117	120	123	127	131	135
		SUCTION TEMPERATURE (°F)	52	52	52	54	55	57	59	62
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	8.9	10.0	11.4	13.2	15.1	17.4
		COMPRESSOR CURRENT (A)	6.2	6.8	7.7	8.8	10.2	12.0	13.9	16.2
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20	19	
	1930	LIQUID PRESSURE (PSIG)	194	224	262	309	364	428	500	581
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	115	117	119	122	125	129	133	137
		SUCTION TEMPERATURE (°F)	53	52	53	55	56	58	60	63
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
OUTDOOR UNIT CURRENT (A)		7.4	8.1	8.9	10.0	11.4	13.2	15.1	17.4	
COMPRESSOR CURRENT (A)		6.2	6.8	7.7	8.8	10.2	12.0	13.9	16.2	
INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19	18		

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## TCD60B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1530	LIQUID PRESSURE (PSIG)	194	224	263	309	364	427	498	578
		LIQUID TEMPERATURE (°F)	60	68	77	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	12	13	15	17	20
		SUCTION PRESSURE (PSIG)	103	105	108	111	114	118	122	127
		SUCTION TEMPERATURE (°F)	44	45	46	48	49	52	54	57
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	8.9	10.0	11.4	13.1	15.0	17.2
		COMPRESSOR CURRENT (A)	6.1	6.8	7.7	8.8	10.2	11.9	13.8	16.0
	INDOOR COIL DB TEMP DROP (°F)	33	33	32	31	29	28	27	26	
	1730	LIQUID PRESSURE (PSIG)	192	222	261	307	362	425	496	576
		LIQUID TEMPERATURE (°F)	60	68	78	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	7	8	9	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	108	110	113	116	119	123	127	132
		SUCTION TEMPERATURE (°F)	47	48	50	51	52	55	57	60
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	7.4	8.0	8.8	10.0	11.4	13.0	14.9	17.1
		COMPRESSOR CURRENT (A)	6.1	6.7	7.6	8.8	10.2	11.8	13.7	15.9
	INDOOR COIL DB TEMP DROP (°F)	31	31	30	29	27	26	25	24	
	1930	LIQUID PRESSURE (PSIG)	190	220	259	305	360	423	494	574
		LIQUID TEMPERATURE (°F)	61	69	78	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	6	7	8	10	11	13	15	18
		SUCTION PRESSURE (PSIG)	113	115	118	121	124	128	132	137
		SUCTION TEMPERATURE (°F)	51	52	53	54	56	58	60	63
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	14	14	15
		OUTDOOR UNIT CURRENT (A)	7.3	7.9	8.8	9.9	11.3	13.0	14.9	17.1
		COMPRESSOR CURRENT (A)	6.0	6.6	7.6	8.7	10.1	11.8	13.7	15.9
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	25	24	23	22	
	80/62	1530	LIQUID PRESSURE (PSIG)	195	225	264	311	366	429	501
LIQUID TEMPERATURE (°F)			60	68	78	88	97	107	117	126
LIQUID SUBCOOLING (°F)			8	9	10	11	13	15	17	20
SUCTION PRESSURE (PSIG)			114	115	117	119	122	125	128	132
SUCTION TEMPERATURE (°F)			51	51	51	52	54	56	58	61
SUCTION SUPERHEAT (°F)			13	12	12	12	12	13	14	15
OUTDOOR UNIT CURRENT (A)			7.5	8.0	8.9	10.0	11.5	13.2	15.0	17.3
COMPRESSOR CURRENT (A)			6.2	6.8	7.7	8.8	10.3	12.0	13.9	16.1
INDOOR COIL DB TEMP DROP (°F)		30	30	29	29	28	27	26	25	
1730		LIQUID PRESSURE (PSIG)	194	224	263	310	365	428	500	580
		LIQUID TEMPERATURE (°F)	60	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	117	118	120	122	125	128	131	135
		SUCTION TEMPERATURE (°F)	52	52	53	54	55	57	59	62
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	7.5	8.0	8.9	10.0	11.5	13.2	15.0	17.3
		COMPRESSOR CURRENT (A)	6.2	6.8	7.7	8.8	10.3	12.0	13.9	16.1
INDOOR COIL DB TEMP DROP (°F)		28	28	27	27	26	25	24	23	
1930		LIQUID PRESSURE (PSIG)	193	223	262	309	364	427	499	579
		LIQUID TEMPERATURE (°F)	60	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	120	121	123	125	128	131	134	138
		SUCTION TEMPERATURE (°F)	54	53	54	55	56	58	61	63
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	7.5	8.0	8.9	10.0	11.5	13.2	15.0	17.3
		COMPRESSOR CURRENT (A)	6.2	6.8	7.7	8.8	10.3	12.0	13.9	16.1
INDOOR COIL DB TEMP DROP (°F)		26	26	25	25	24	23	22	21	

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## TCD60B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1530	LIQUID PRESSURE (PSIG)	197	227	265	311	365	427	498	576
		LIQUID TEMPERATURE (°F)	61	69	79	89	98	108	118	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	119	123	126	129	132	135	138	141
		SUCTION TEMPERATURE (°F)	56	56	56	57	58	60	61	64
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	13	15
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	8.9	10.1	11.5	13.1	15.0	17.2
		COMPRESSOR CURRENT (A)	6.2	6.9	7.7	8.8	10.3	11.9	13.9	16.1
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	24	23	22	22	21	
	1730	LIQUID PRESSURE (PSIG)	196	226	264	310	364	426	497	575
		LIQUID TEMPERATURE (°F)	61	68	79	88	98	108	118	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	122	126	129	132	135	138	141	144
		SUCTION TEMPERATURE (°F)	58	57	58	58	59	61	62	66
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	13	15
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	8.9	10.1	11.5	13.1	15.0	17.2
		COMPRESSOR CURRENT (A)	6.2	6.9	7.7	8.8	10.3	11.9	13.9	16.1
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	23	22	21	21	20	
	1930	LIQUID PRESSURE (PSIG)	195	225	263	309	363	425	496	574
		LIQUID TEMPERATURE (°F)	60	68	78	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	125	129	132	135	138	141	144	147
		SUCTION TEMPERATURE (°F)	59	59	59	59	60	62	64	67
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	13	15
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	8.9	10.1	11.5	13.1	15.0	17.2
		COMPRESSOR CURRENT (A)	6.2	6.9	7.7	8.8	10.3	11.9	13.9	16.1
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	21	20	20	19	
	80/72	1530	LIQUID PRESSURE (PSIG)	198	228	265	311	364	425	494
LIQUID TEMPERATURE (°F)			59	69	80	90	100	109	118	127
LIQUID SUBCOOLING (°F)			10	9	8	9	10	12	15	18
SUCTION PRESSURE (PSIG)			127	132	137	141	145	148	151	154
SUCTION TEMPERATURE (°F)			64	63	63	63	64	65	67	69
SUCTION SUPERHEAT (°F)			20	17	15	14	13	13	14	15
OUTDOOR UNIT CURRENT (A)			7.5	8.2	8.9	10.1	11.4	12.9	14.8	17.0
COMPRESSOR CURRENT (A)			6.2	6.9	7.7	8.8	10.2	11.8	13.7	15.8
INDOOR COIL DB TEMP DROP (°F)		20	19	19	19	18	18	17	16	
1730		LIQUID PRESSURE (PSIG)	198	228	265	311	364	425	494	571
		LIQUID TEMPERATURE (°F)	59	69	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	8	9	10	12	15	18
		SUCTION PRESSURE (PSIG)	129	134	139	143	147	150	153	156
		SUCTION TEMPERATURE (°F)	65	64	64	64	65	66	68	70
		SUCTION SUPERHEAT (°F)	20	17	15	14	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	7.5	8.2	8.9	10.1	11.4	12.9	14.8	17.0
		COMPRESSOR CURRENT (A)	6.2	6.9	7.7	8.8	10.2	11.8	13.7	15.8
INDOOR COIL DB TEMP DROP (°F)		19	18	18	18	17	17	16	15	
1930		LIQUID PRESSURE (PSIG)	199	229	266	312	365	426	495	572
		LIQUID TEMPERATURE (°F)	59	69	80	90	100	110	118	127
		LIQUID SUBCOOLING (°F)	10	9	8	9	10	12	15	18
		SUCTION PRESSURE (PSIG)	131	136	141	145	149	152	155	158
		SUCTION TEMPERATURE (°F)	66	65	65	66	67	68	70	72
		SUCTION SUPERHEAT (°F)	21	18	16	15	14	14	15	16
		OUTDOOR UNIT CURRENT (A)	7.5	8.2	8.9	10.1	11.4	12.9	14.8	17.0
		COMPRESSOR CURRENT (A)	6.2	6.9	7.7	8.8	10.2	11.8	13.7	15.8
INDOOR COIL DB TEMP DROP (°F)		18	17	17	17	16	16	15	14	

## TCD60B41 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1530	LIQUID PRESSURE (PSIG)	196	226	264	311	366	430	502	583
		LIQUID TEMPERATURE (°F)	60	68	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	111	113	115	118	121	125	129	133
		SUCTION TEMPERATURE (°F)	51	51	52	53	54	56	59	61
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.4	5.0	5.7	6.6	7.6	8.7
		COMPRESSOR CURRENT (A)	3.1	3.4	3.8	4.4	5.1	6.0	7.0	8.1
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	23	22	21	20	
	1730	LIQUID PRESSURE (PSIG)	195	225	263	310	365	429	501	582
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	113	115	117	120	123	127	131	135
		SUCTION TEMPERATURE (°F)	52	52	52	54	55	57	59	62
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.4	5.0	5.7	6.6	7.6	8.7
		COMPRESSOR CURRENT (A)	3.1	3.4	3.8	4.4	5.1	6.0	7.0	8.1
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20	19	
	1930	LIQUID PRESSURE (PSIG)	194	224	262	309	364	428	500	581
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	115	117	119	122	125	129	133	137
		SUCTION TEMPERATURE (°F)	53	52	53	55	56	58	60	63
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.4	5.0	5.7	6.6	7.6	8.7
		COMPRESSOR CURRENT (A)	3.1	3.4	3.8	4.4	5.1	6.0	7.0	8.1
	INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19	18	
	80/57	1530	LIQUID PRESSURE (PSIG)	194	224	263	309	364	427	498
LIQUID TEMPERATURE (°F)			60	68	77	86	97	107	117	126
LIQUID SUBCOOLING (°F)			8	9	10	12	13	15	17	20
SUCTION PRESSURE (PSIG)			103	105	108	111	114	118	122	127
SUCTION TEMPERATURE (°F)			44	45	46	48	49	52	54	57
SUCTION SUPERHEAT (°F)			11	11	11	11	11	12	12	13
OUTDOOR UNIT CURRENT (A)			3.7	4.0	4.4	5.0	5.7	6.5	7.5	8.6
COMPRESSOR CURRENT (A)			3.1	3.4	3.8	4.4	5.1	5.9	6.9	8.0
INDOOR COIL DB TEMP DROP (°F)		33	33	32	31	29	28	27	26	
1730		LIQUID PRESSURE (PSIG)	192	222	261	307	362	425	496	576
		LIQUID TEMPERATURE (°F)	60	68	78	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	7	8	9	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	108	110	113	116	119	123	127	132
		SUCTION TEMPERATURE (°F)	47	48	50	51	52	55	57	60
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.4	5.0	5.7	6.5	7.5	8.6
		COMPRESSOR CURRENT (A)	3.0	3.3	3.8	4.4	5.1	5.9	6.9	8.0
INDOOR COIL DB TEMP DROP (°F)		31	31	30	29	27	26	25	24	
1930		LIQUID PRESSURE (PSIG)	190	220	259	305	360	423	494	574
		LIQUID TEMPERATURE (°F)	61	69	78	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	6	7	8	10	11	13	15	18
		SUCTION PRESSURE (PSIG)	113	115	118	121	124	128	132	137
		SUCTION TEMPERATURE (°F)	51	52	53	54	56	58	60	63
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	14	14	15
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.4	5.0	5.7	6.5	7.4	8.5
		COMPRESSOR CURRENT (A)	3.0	3.3	3.8	4.4	5.1	5.9	6.8	7.9
INDOOR COIL DB TEMP DROP (°F)		29	29	28	27	25	24	23	22	

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## TCD60B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1530	LIQUID PRESSURE (PSIG)	195	225	264	311	366	429	501	581
		LIQUID TEMPERATURE (°F)	60	68	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	114	115	117	119	122	125	128	132
		SUCTION TEMPERATURE (°F)	51	51	51	52	54	56	58	61
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.4	5.0	5.7	6.6	7.5	8.7
		COMPRESSOR CURRENT (A)	3.1	3.4	3.8	4.4	5.1	6.0	7.0	8.1
	INDOOR COIL DB TEMP DROP (°F)	30	30	29	29	28	27	26	25	
	1730	LIQUID PRESSURE (PSIG)	194	224	263	310	365	428	500	580
		LIQUID TEMPERATURE (°F)	60	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	117	118	120	122	125	128	131	135
		SUCTION TEMPERATURE (°F)	52	52	53	54	55	57	59	62
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.4	5.0	5.7	6.6	7.5	8.7
		COMPRESSOR CURRENT (A)	3.1	3.4	3.8	4.4	5.1	6.0	7.0	8.1
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	27	26	25	24	23	
	1930	LIQUID PRESSURE (PSIG)	193	223	262	309	364	427	499	579
		LIQUID TEMPERATURE (°F)	60	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	120	121	123	125	128	131	134	138
		SUCTION TEMPERATURE (°F)	54	53	54	55	56	58	61	63
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.4	5.0	5.7	6.6	7.5	8.7
		COMPRESSOR CURRENT (A)	3.1	3.4	3.8	4.4	5.1	6.0	7.0	8.1
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	24	23	22	21	
	80/67	1530	LIQUID PRESSURE (PSIG)	197	227	265	311	365	427	498
LIQUID TEMPERATURE (°F)			61	69	79	89	98	108	118	126
LIQUID SUBCOOLING (°F)			8	9	9	10	12	14	16	19
SUCTION PRESSURE (PSIG)			119	123	126	129	132	135	138	141
SUCTION TEMPERATURE (°F)			56	56	56	57	58	60	61	64
SUCTION SUPERHEAT (°F)			16	14	13	12	12	13	13	15
OUTDOOR UNIT CURRENT (A)			3.7	4.0	4.5	5.1	5.7	6.5	7.5	8.6
COMPRESSOR CURRENT (A)			3.1	3.4	3.9	4.4	5.1	5.9	6.9	8.0
INDOOR COIL DB TEMP DROP (°F)		25	24	24	24	23	22	22	21	
1730		LIQUID PRESSURE (PSIG)	196	226	264	310	364	426	497	575
		LIQUID TEMPERATURE (°F)	61	68	79	88	98	108	118	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	122	126	129	132	135	138	141	144
		SUCTION TEMPERATURE (°F)	58	57	58	58	59	61	62	66
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	13	15
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.5	5.1	5.7	6.5	7.5	8.6
		COMPRESSOR CURRENT (A)	3.1	3.4	3.9	4.4	5.1	5.9	6.9	8.0
INDOOR COIL DB TEMP DROP (°F)		24	23	23	23	22	21	21	20	
1930		LIQUID PRESSURE (PSIG)	195	225	263	309	363	425	496	574
		LIQUID TEMPERATURE (°F)	60	68	78	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	125	129	132	135	138	141	144	147
		SUCTION TEMPERATURE (°F)	59	59	59	59	60	62	64	67
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	13	15
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.5	5.1	5.7	6.5	7.5	8.6
		COMPRESSOR CURRENT (A)	3.1	3.4	3.9	4.4	5.1	5.9	6.9	8.0
INDOOR COIL DB TEMP DROP (°F)		23	22	22	22	21	20	20	19	

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## TCD60B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1530	LIQUID PRESSURE (PSIG)	198	228	265	311	364	425	494	571
		LIQUID TEMPERATURE (°F)	59	69	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	8	9	10	12	15	18
		SUCTION PRESSURE (PSIG)	127	132	137	141	145	148	151	154
		SUCTION TEMPERATURE (°F)	64	63	63	63	64	65	67	69
		SUCTION SUPERHEAT (°F)	20	17	15	14	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.8	4.1	4.5	5.1	5.7	6.5	7.4	8.5
		COMPRESSOR CURRENT (A)	3.1	3.4	3.9	4.4	5.1	5.9	6.8	7.9
	INDOOR COIL DB TEMP DROP (°F)	20	19	19	19	18	18	17	16	
	1730	LIQUID PRESSURE (PSIG)	198	228	265	311	364	425	494	571
		LIQUID TEMPERATURE (°F)	59	69	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	8	9	10	12	15	18
		SUCTION PRESSURE (PSIG)	129	134	139	143	147	150	153	156
		SUCTION TEMPERATURE (°F)	65	64	64	64	65	66	68	70
		SUCTION SUPERHEAT (°F)	20	17	15	14	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.8	4.1	4.5	5.1	5.7	6.5	7.4	8.5
		COMPRESSOR CURRENT (A)	3.1	3.4	3.9	4.4	5.1	5.9	6.8	7.9
	INDOOR COIL DB TEMP DROP (°F)	19	18	18	18	17	17	16	15	
	1930	LIQUID PRESSURE (PSIG)	199	229	266	312	365	426	495	572
		LIQUID TEMPERATURE (°F)	59	69	80	90	100	110	118	127
		LIQUID SUBCOOLING (°F)	10	9	8	9	10	12	15	18
		SUCTION PRESSURE (PSIG)	131	136	141	145	149	152	155	158
		SUCTION TEMPERATURE (°F)	66	65	65	66	67	68	70	72
		SUCTION SUPERHEAT (°F)	21	18	16	15	14	14	15	16
OUTDOOR UNIT CURRENT (A)		3.8	4.1	4.5	5.1	5.7	6.5	7.4	8.5	
COMPRESSOR CURRENT (A)		3.1	3.4	3.9	4.4	5.1	5.9	6.8	7.9	
INDOOR COIL DB TEMP DROP (°F)	18	17	17	17	16	16	15	14		

## TCD60B51 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1530	LIQUID PRESSURE (PSIG)	196	226	264	311	366	430	502	583
		LIQUID TEMPERATURE (°F)	60	68	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	111	113	115	118	121	125	129	133
		SUCTION TEMPERATURE (°F)	51	51	52	53	54	56	59	61
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.0	3.2	3.6	4.0	4.6	5.3	6.0	6.9
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.5	4.1	4.8	5.6	6.5
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	23	22	21	20	
	1730	LIQUID PRESSURE (PSIG)	195	225	263	310	365	429	501	582
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	113	115	117	120	123	127	131	135
		SUCTION TEMPERATURE (°F)	52	52	52	54	55	57	59	62
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.0	3.2	3.6	4.0	4.6	5.3	6.0	6.9
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.5	4.1	4.8	5.6	6.5
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20	19	
	1930	LIQUID PRESSURE (PSIG)	194	224	262	309	364	428	500	581
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	115	117	119	122	125	129	133	137
		SUCTION TEMPERATURE (°F)	53	52	53	55	56	58	60	63
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.0	3.2	3.6	4.0	4.6	5.3	6.0	6.9
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.5	4.1	4.8	5.6	6.5
	INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19	18	
	80/57	1530	LIQUID PRESSURE (PSIG)	194	224	263	309	364	427	498
LIQUID TEMPERATURE (°F)			60	68	77	86	97	107	117	126
LIQUID SUBCOOLING (°F)			8	9	10	12	13	15	17	20
SUCTION PRESSURE (PSIG)			103	105	108	111	114	118	122	127
SUCTION TEMPERATURE (°F)			44	45	46	48	49	52	54	57
SUCTION SUPERHEAT (°F)			11	11	11	11	11	12	12	13
OUTDOOR UNIT CURRENT (A)			3.0	3.2	3.6	4.0	4.6	5.2	6.0	6.9
COMPRESSOR CURRENT (A)			2.4	2.7	3.1	3.5	4.1	4.8	5.5	6.4
INDOOR COIL DB TEMP DROP (°F)		33	33	32	31	29	28	27	26	
1730		LIQUID PRESSURE (PSIG)	192	222	261	307	362	425	496	576
		LIQUID TEMPERATURE (°F)	60	68	78	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	7	8	9	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	108	110	113	116	119	123	127	132
		SUCTION TEMPERATURE (°F)	47	48	50	51	52	55	57	60
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	2.9	3.2	3.5	4.0	4.5	5.2	6.0	6.9
		COMPRESSOR CURRENT (A)	2.4	2.7	3.0	3.5	4.1	4.7	5.5	6.4
INDOOR COIL DB TEMP DROP (°F)		31	31	30	29	27	26	25	24	
1930		LIQUID PRESSURE (PSIG)	190	220	259	305	360	423	494	574
		LIQUID TEMPERATURE (°F)	61	69	78	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	6	7	8	10	11	13	15	18
		SUCTION PRESSURE (PSIG)	113	115	118	121	124	128	132	137
		SUCTION TEMPERATURE (°F)	51	52	53	54	56	58	60	63
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	14	14	15
		OUTDOOR UNIT CURRENT (A)	2.9	3.2	3.5	4.0	4.5	5.2	6.0	6.8
		COMPRESSOR CURRENT (A)	2.4	2.7	3.0	3.5	4.0	4.7	5.5	6.4
INDOOR COIL DB TEMP DROP (°F)		29	29	28	27	25	24	23	22	

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## TCD60B51 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1530	LIQUID PRESSURE (PSIG)	195	225	264	311	366	429	501	581
		LIQUID TEMPERATURE (°F)	60	68	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	114	115	117	119	122	125	128	132
		SUCTION TEMPERATURE (°F)	51	51	51	52	54	56	58	61
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.0	3.2	3.6	4.0	4.6	5.3	6.0	6.9
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.5	4.1	4.8	5.6	6.4
	INDOOR COIL DB TEMP DROP (°F)	30	30	29	29	28	27	26	25	
	1730	LIQUID PRESSURE (PSIG)	194	224	263	310	365	428	500	580
		LIQUID TEMPERATURE (°F)	60	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	117	118	120	122	125	128	131	135
		SUCTION TEMPERATURE (°F)	52	52	53	54	55	57	59	62
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.0	3.2	3.6	4.0	4.6	5.3	6.0	6.9
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.5	4.1	4.8	5.6	6.4
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	27	26	25	24	23	
	1930	LIQUID PRESSURE (PSIG)	193	223	262	309	364	427	499	579
		LIQUID TEMPERATURE (°F)	60	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	120	121	123	125	128	131	134	138
		SUCTION TEMPERATURE (°F)	54	53	54	55	56	58	61	63
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	14	15
OUTDOOR UNIT CURRENT (A)		3.0	3.2	3.6	4.0	4.6	5.3	6.0	6.9	
COMPRESSOR CURRENT (A)		2.5	2.7	3.1	3.5	4.1	4.8	5.6	6.4	
INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	24	23	22	21		
80/67	1530	LIQUID PRESSURE (PSIG)	197	227	265	311	365	427	498	576
		LIQUID TEMPERATURE (°F)	61	69	79	89	98	108	118	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	119	123	126	129	132	135	138	141
		SUCTION TEMPERATURE (°F)	56	56	56	57	58	60	61	64
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	13	15
		OUTDOOR UNIT CURRENT (A)	3.0	3.2	3.6	4.1	4.6	5.2	6.0	6.9
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.5	4.1	4.8	5.5	6.4
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	24	23	22	22	21	
	1730	LIQUID PRESSURE (PSIG)	196	226	264	310	364	426	497	575
		LIQUID TEMPERATURE (°F)	61	68	79	88	98	108	118	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	122	126	129	132	135	138	141	144
		SUCTION TEMPERATURE (°F)	58	57	58	58	59	61	62	66
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	13	15
		OUTDOOR UNIT CURRENT (A)	3.0	3.2	3.6	4.1	4.6	5.2	6.0	6.9
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.5	4.1	4.8	5.5	6.4
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	23	22	21	21	20	
	1930	LIQUID PRESSURE (PSIG)	195	225	263	309	363	425	496	574
		LIQUID TEMPERATURE (°F)	60	68	78	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	125	129	132	135	138	141	144	147
		SUCTION TEMPERATURE (°F)	59	59	59	59	60	62	64	67
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	13	15
OUTDOOR UNIT CURRENT (A)		3.0	3.2	3.6	4.1	4.6	5.2	6.0	6.9	
COMPRESSOR CURRENT (A)		2.5	2.7	3.1	3.5	4.1	4.8	5.5	6.4	
INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	21	20	20	19		

Continued on next page.

## TCD60B51 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1530	LIQUID PRESSURE (PSIG)	198	228	265	311	364	425	494	571
		LIQUID TEMPERATURE (°F)	59	69	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	8	9	10	12	15	18
		SUCTION PRESSURE (PSIG)	127	132	137	141	145	148	151	154
		SUCTION TEMPERATURE (°F)	64	63	63	63	64	65	67	69
		SUCTION SUPERHEAT (°F)	20	17	15	14	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.0	3.3	3.6	4.1	4.6	5.2	5.9	6.8
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.5	4.1	4.7	5.5	6.3
	INDOOR COIL DB TEMP DROP (°F)	20	19	19	19	18	18	17	16	
	1730	LIQUID PRESSURE (PSIG)	198	228	265	311	364	425	494	571
		LIQUID TEMPERATURE (°F)	59	69	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	8	9	10	12	15	18
		SUCTION PRESSURE (PSIG)	129	134	139	143	147	150	153	156
		SUCTION TEMPERATURE (°F)	65	64	64	64	65	66	68	70
		SUCTION SUPERHEAT (°F)	20	17	15	14	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.0	3.3	3.6	4.1	4.6	5.2	5.9	6.8
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.5	4.1	4.7	5.5	6.3
	INDOOR COIL DB TEMP DROP (°F)	19	18	18	18	17	17	16	15	
	1930	LIQUID PRESSURE (PSIG)	199	229	266	312	365	426	495	572
		LIQUID TEMPERATURE (°F)	59	69	80	90	100	110	118	127
		LIQUID SUBCOOLING (°F)	10	9	8	9	10	12	15	18
		SUCTION PRESSURE (PSIG)	131	136	141	145	149	152	155	158
		SUCTION TEMPERATURE (°F)	66	65	65	66	67	68	70	72
		SUCTION SUPERHEAT (°F)	21	18	16	15	14	14	15	16
OUTDOOR UNIT CURRENT (A)		3.0	3.3	3.6	4.1	4.6	5.2	5.9	6.8	
COMPRESSOR CURRENT (A)		2.5	2.7	3.1	3.5	4.1	4.7	5.5	6.3	
INDOOR COIL DB TEMP DROP (°F)	18	17	17	17	16	16	15	14		

FOR USE WITH MODELS:

YCS18B21S

TW4B1821S

RAW14L18B21S

YCS18BS21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	191(8)	194(9)	195(8)	196(7)
60	205(8)	208(9)	210(8)	211(7)
65	220(8)	223(9)	226(8)	227(7)
70	237(8)	241(10)	243(9)	244(7)
75	256(8)	260(10)	263(9)	263(8)
80	277(9)	281(10)	283(10)	284(8)
85	300(9)	304(11)	306(10)	306(9)
90	324(10)	328(11)	330(11)	330(9)
95	351(10)	354(12)	356(11)	356(10)
100	379(11)	382(12)	383(12)	383(10)
105	409(12)	412(13)	412(12)	412(11)
110	441(13)	443(14)	443(13)	442(12)
115	475(14)	476(15)	475(14)	474(13)
120	510(15)	511(16)	509(14)	507(14)
125	548(16)	547(16)	544(15)	542(15)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCS18BS21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	450	LIQUID PRESSURE (PSIG)	195	224	260	303	354	412	477	550
		LIQUID TEMPERATURE (°F)	58	67	77	86	96	106	115	125
		LIQUID SUBCOOLING (°F)	10	10	10	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	115	116	118	120	123	125	128	131
		SUCTION TEMPERATURE (°F)	50	49	50	51	52	53	54	55
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	3.8	4.1	4.6	5.1	5.8	6.6	7.5	8.5
		COMPRESSOR CURRENT (A)	3.2	3.5	3.9	4.5	5.2	6.0	6.9	7.9
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	24	24	23	23	22	
	600	LIQUID PRESSURE (PSIG)	194	223	259	302	353	411	476	549
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	9	9	9	10	11	12	14	16
		SUCTION PRESSURE (PSIG)	121	122	124	126	129	131	134	137
		SUCTION TEMPERATURE (°F)	52	52	53	53	55	55	57	58
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.5	5.0	5.7	6.5	7.4	8.4
		COMPRESSOR CURRENT (A)	3.1	3.4	3.8	4.4	5.1	5.9	6.8	7.8
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	21	20	20	19	
	750	LIQUID PRESSURE (PSIG)	193	222	258	301	352	410	475	548
		LIQUID TEMPERATURE (°F)	60	68	78	87	97	108	117	126
		LIQUID SUBCOOLING (°F)	8	8	8	9	10	11	13	15
		SUCTION PRESSURE (PSIG)	127	128	130	132	135	137	140	143
		SUCTION TEMPERATURE (°F)	55	54	55	56	57	58	59	60
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	10	10
OUTDOOR UNIT CURRENT (A)		3.6	3.9	4.4	4.9	5.6	6.4	7.3	8.3	
COMPRESSOR CURRENT (A)		3.0	3.3	3.7	4.3	5.0	5.8	6.7	7.7	
INDOOR COIL DB TEMP DROP (°F)	20	20	19	18	18	17	17	16		

Continued on next page.

## YCS18BS21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	450	LIQUID PRESSURE (PSIG)	192	221	257	301	352	410	476	549
		LIQUID TEMPERATURE (°F)	58	67	77	86	96	106	115	125
		LIQUID SUBCOOLING (°F)	9	9	9	10	11	13	15	17
		SUCTION PRESSURE (PSIG)	100	103	106	109	112	116	120	124
		SUCTION TEMPERATURE (°F)	46	46	47	49	50	52	54	56
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	3.9	4.2	4.6	5.1	5.8	6.6	7.5	8.6
		COMPRESSOR CURRENT (A)	3.2	3.5	4.0	4.5	5.2	6.0	6.9	7.9
	INDOOR COIL DB TEMP DROP (°F)	32	32	31	30	29	28	27	26	
	600	LIQUID PRESSURE (PSIG)	191	220	256	300	351	409	475	548
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	116	125
		LIQUID SUBCOOLING (°F)	8	8	8	9	10	12	14	16
		SUCTION PRESSURE (PSIG)	110	113	116	119	122	126	130	134
		SUCTION TEMPERATURE (°F)	49	50	51	52	54	55	57	59
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	3.8	4.1	4.5	5.0	5.7	6.5	7.4	8.5
		COMPRESSOR CURRENT (A)	3.1	3.4	3.9	4.4	5.1	5.9	6.8	7.8
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	26	25	24	23	22	
	750	LIQUID PRESSURE (PSIG)	190	219	255	299	350	408	474	547
		LIQUID TEMPERATURE (°F)	60	68	78	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	7	7	7	8	9	11	13	15
		SUCTION PRESSURE (PSIG)	120	123	126	129	132	136	140	144
		SUCTION TEMPERATURE (°F)	53	53	54	56	57	58	60	62
		SUCTION SUPERHEAT (°F)	12	11	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.4	4.9	5.6	6.4	7.3	8.4
		COMPRESSOR CURRENT (A)	3.0	3.3	3.8	4.3	5.0	5.8	6.7	7.7
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	20	19	18	
	80/62	450	LIQUID PRESSURE (PSIG)	196	225	262	306	356	414	478
LIQUID TEMPERATURE (°F)			59	67	76	86	95	105	114	125
LIQUID SUBCOOLING (°F)			10	10	11	12	13	14	16	17
SUCTION PRESSURE (PSIG)			115	116	118	120	122	125	128	132
SUCTION TEMPERATURE (°F)			50	50	51	52	53	54	55	57
SUCTION SUPERHEAT (°F)			11	11	11	11	11	11	11	11
OUTDOOR UNIT CURRENT (A)			3.8	4.1	4.6	5.1	5.8	6.6	7.5	8.5
COMPRESSOR CURRENT (A)			3.2	3.5	3.9	4.5	5.2	6.0	6.9	7.9
INDOOR COIL DB TEMP DROP (°F)		30	29	28	28	27	26	26	25	
600		LIQUID PRESSURE (PSIG)	194	223	260	304	354	412	476	547
		LIQUID TEMPERATURE (°F)	59	68	77	86	96	106	115	125
		LIQUID SUBCOOLING (°F)	9	9	10	11	12	13	15	16
		SUCTION PRESSURE (PSIG)	121	122	124	126	128	131	134	138
		SUCTION TEMPERATURE (°F)	52	53	54	54	55	56	58	59
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.5	5.0	5.7	6.5	7.4	8.4
		COMPRESSOR CURRENT (A)	3.1	3.4	3.8	4.4	5.1	5.9	6.8	7.8
INDOOR COIL DB TEMP DROP (°F)		27	26	25	25	24	23	23	22	
750		LIQUID PRESSURE (PSIG)	192	221	258	302	352	410	474	545
		LIQUID TEMPERATURE (°F)	59	68	77	87	96	107	116	126
		LIQUID SUBCOOLING (°F)	8	8	9	10	11	12	14	15
		SUCTION PRESSURE (PSIG)	127	128	130	132	134	137	140	144
		SUCTION TEMPERATURE (°F)	55	55	56	57	58	59	60	62
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	3.6	3.9	4.4	4.9	5.6	6.4	7.3	8.3
		COMPRESSOR CURRENT (A)	3.0	3.3	3.7	4.3	5.0	5.8	6.7	7.7
INDOOR COIL DB TEMP DROP (°F)		24	23	22	22	21	20	20	19	

Continued on next page.

## YCS18BS21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	450	LIQUID PRESSURE (PSIG)	196	227	264	307	357	413	476	545
		LIQUID TEMPERATURE (°F)	60	69	78	87	96	106	115	125
		LIQUID SUBCOOLING (°F)	9	9	10	11	12	13	15	16
		SUCTION PRESSURE (PSIG)	126	128	130	132	134	137	140	144
		SUCTION TEMPERATURE (°F)	54	55	55	56	57	58	59	61
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.5	5.0	5.7	6.4	7.3	8.3
		COMPRESSOR CURRENT (A)	3.1	3.4	3.8	4.4	5.0	5.8	6.7	7.7
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	24	23	23	22	
	600	LIQUID PRESSURE (PSIG)	195	226	263	306	356	412	475	544
		LIQUID TEMPERATURE (°F)	60	69	78	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	8	8	9	10	11	12	14	15
		SUCTION PRESSURE (PSIG)	132	134	136	138	140	143	146	150
		SUCTION TEMPERATURE (°F)	57	58	57	58	59	60	61	63
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.5	5.0	5.7	6.4	7.3	8.3
		COMPRESSOR CURRENT (A)	3.1	3.4	3.8	4.4	5.0	5.8	6.7	7.7
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	20	19	
	750	LIQUID PRESSURE (PSIG)	194	225	262	305	355	411	474	543
		LIQUID TEMPERATURE (°F)	61	70	79	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	7	7	8	9	10	11	13	14
		SUCTION PRESSURE (PSIG)	138	140	142	144	146	149	152	156
		SUCTION TEMPERATURE (°F)	59	60	60	61	61	63	64	65
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	10	10	10
OUTDOOR UNIT CURRENT (A)		3.7	4.0	4.5	5.0	5.7	6.4	7.3	8.3	
COMPRESSOR CURRENT (A)		3.1	3.4	3.8	4.4	5.0	5.8	6.7	7.7	
INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	18	17	17	16		
80/72	450	LIQUID PRESSURE (PSIG)	195	226	262	305	355	411	473	541
		LIQUID TEMPERATURE (°F)	61	70	79	88	98	108	117	125
		LIQUID SUBCOOLING (°F)	7	7	8	9	10	11	13	15
		SUCTION PRESSURE (PSIG)	137	140	142	145	147	150	154	157
		SUCTION TEMPERATURE (°F)	61	61	61	61	61	62	63	64
		SUCTION SUPERHEAT (°F)	13	12	11	10	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.4	5.0	5.6	6.4	7.2	8.2
		COMPRESSOR CURRENT (A)	3.0	3.4	3.8	4.3	5.0	5.7	6.6	7.6
	INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	20	19	19	18	
	600	LIQUID PRESSURE (PSIG)	196	227	263	306	356	412	474	542
		LIQUID TEMPERATURE (°F)	62	71	79	89	98	108	117	125
		LIQUID SUBCOOLING (°F)	7	7	8	9	10	11	13	15
		SUCTION PRESSURE (PSIG)	142	145	147	150	152	155	159	162
		SUCTION TEMPERATURE (°F)	64	64	64	64	64	65	66	67
		SUCTION SUPERHEAT (°F)	14	13	12	11	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	3.7	4.0	4.4	5.0	5.6	6.4	7.2	8.2
		COMPRESSOR CURRENT (A)	3.0	3.4	3.8	4.3	5.0	5.7	6.6	7.6
	INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	17	16	16	15	
	750	LIQUID PRESSURE (PSIG)	197	228	264	307	357	413	475	543
		LIQUID TEMPERATURE (°F)	62	71	80	89	98	108	117	126
		LIQUID SUBCOOLING (°F)	7	7	8	9	10	11	13	15
		SUCTION PRESSURE (PSIG)	147	150	152	155	157	160	164	167
		SUCTION TEMPERATURE (°F)	67	67	67	67	66	68	69	70
		SUCTION SUPERHEAT (°F)	15	14	13	12	11	11	11	11
OUTDOOR UNIT CURRENT (A)		3.7	4.0	4.4	5.0	5.6	6.4	7.2	8.2	
COMPRESSOR CURRENT (A)		3.0	3.4	3.8	4.3	5.0	5.7	6.6	7.6	
INDOOR COIL DB TEMP DROP (°F)	15	15	14	14	14	13	13	12		



FOR USE WITH MODELS:

YCS24B21S

TW4B2421S

RAW14L24B21S

QW4B24B21S

YCS24BS21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	186(7)	186(7)	189(7)	189(7)
60	199(7)	199(8)	202(7)	203(7)
65	215(7)	214(8)	217(7)	219(7)
70	232(7)	231(8)	234(8)	236(7)
75	252(8)	251(9)	254(8)	255(7)
80	273(8)	272(9)	276(9)	277(8)
85	297(9)	296(10)	299(10)	300(8)
90	322(10)	323(10)	325(10)	325(9)
95	350(10)	351(11)	353(11)	353(10)
100	380(11)	382(12)	384(12)	382(11)
105	411(12)	415(13)	416(13)	413(12)
110	445(13)	450(15)	450(14)	446(13)
115	481(15)	487(16)	487(15)	481(14)
120	518(16)	527(17)	526(17)	518(15)
125	558(17)	568(19)	567(18)	557(17)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCS24BS21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	191	218	255	301	356	421	495	579
		LIQUID TEMPERATURE (°F)	58	66	76	86	96	107	116	126
		LIQUID SUBCOOLING (°F)	9	9	9	10	12	14	17	20
		SUCTION PRESSURE (PSIG)	112	115	118	121	123	126	129	131
		SUCTION TEMPERATURE (°F)	49	50	52	53	55	57	61	63
		SUCTION SUPERHEAT (°F)	12	11	12	12	13	14	16	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.6	7.7	9.1	10.6	12.5
		COMPRESSOR CURRENT (A)	4.0	4.3	5.0	5.8	6.9	8.3	9.9	11.7
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	24	23	22	21	
	800	LIQUID PRESSURE (PSIG)	188	215	252	298	353	418	492	576
		LIQUID TEMPERATURE (°F)	58	66	76	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	8	8	9	11	13	16	19
		SUCTION PRESSURE (PSIG)	117	120	123	126	128	131	134	136
		SUCTION TEMPERATURE (°F)	51	52	54	55	57	59	63	65
		SUCTION SUPERHEAT (°F)	12	11	12	12	13	14	16	18
		OUTDOOR UNIT CURRENT (A)	4.7	5.1	5.7	6.5	7.6	9.0	10.5	12.4
		COMPRESSOR CURRENT (A)	3.9	4.2	4.9	5.7	6.8	8.2	9.8	11.6
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19	18	
	1000	LIQUID PRESSURE (PSIG)	185	212	249	295	350	415	489	573
		LIQUID TEMPERATURE (°F)	58	66	77	87	97	108	117	127
		LIQUID SUBCOOLING (°F)	7	7	7	8	10	12	15	18
		SUCTION PRESSURE (PSIG)	122	125	128	131	133	136	139	141
		SUCTION TEMPERATURE (°F)	54	54	56	57	59	61	65	67
		SUCTION SUPERHEAT (°F)	12	11	12	12	13	14	16	18
OUTDOOR UNIT CURRENT (A)		4.6	5.0	5.6	6.4	7.5	8.9	10.4	12.3	
COMPRESSOR CURRENT (A)		3.8	4.1	4.8	5.6	6.7	8.1	9.7	11.5	
INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	16	15		

Continued on next page.

## YCS24BS21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	600	LIQUID PRESSURE (PSIG)	187	216	253	298	351	412	482	559
		LIQUID TEMPERATURE (°F)	58	67	76	86	96	106	115	125
		LIQUID SUBCOOLING (°F)	8	8	9	10	11	13	16	18
		SUCTION PRESSURE (PSIG)	102	104	107	111	115	119	124	129
		SUCTION TEMPERATURE (°F)	46	46	48	51	54	56	60	63
		SUCTION SUPERHEAT (°F)	13	13	13	14	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.6	7.7	9.0	10.5	12.2
		COMPRESSOR CURRENT (A)	4.0	4.4	5.0	5.8	6.9	8.2	9.7	11.4
	INDOOR COIL DB TEMP DROP (°F)	34	33	32	31	30	28	27	26	
	800	LIQUID PRESSURE (PSIG)	186	215	252	297	350	411	481	558
		LIQUID TEMPERATURE (°F)	58	67	76	86	97	107	116	126
		LIQUID SUBCOOLING (°F)	7	7	8	9	10	12	15	17
		SUCTION PRESSURE (PSIG)	111	113	116	120	124	128	133	138
		SUCTION TEMPERATURE (°F)	49	50	51	54	57	59	62	65
		SUCTION SUPERHEAT (°F)	12	12	12	13	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	4.7	5.1	5.7	6.5	7.6	8.9	10.4	12.1
		COMPRESSOR CURRENT (A)	3.9	4.3	4.9	5.7	6.8	8.1	9.6	11.3
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	24	23	22	
	1000	LIQUID PRESSURE (PSIG)	185	214	251	296	349	410	480	557
		LIQUID TEMPERATURE (°F)	59	68	77	87	98	108	117	127
		LIQUID SUBCOOLING (°F)	6	6	7	8	9	11	14	16
		SUCTION PRESSURE (PSIG)	120	122	125	129	133	137	142	147
		SUCTION TEMPERATURE (°F)	52	53	54	57	59	62	65	68
		SUCTION SUPERHEAT (°F)	11	11	11	12	13	14	15	16
		OUTDOOR UNIT CURRENT (A)	4.6	5.0	5.6	6.4	7.5	8.8	10.3	12.0
		COMPRESSOR CURRENT (A)	3.8	4.2	4.8	5.6	6.7	8.0	9.5	11.2
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	20	19	18	
	80/62	600	LIQUID PRESSURE (PSIG)	189	217	254	299	354	418	490
LIQUID TEMPERATURE (°F)			58	66	75	85	96	106	115	125
LIQUID SUBCOOLING (°F)			8	9	10	11	12	14	17	20
SUCTION PRESSURE (PSIG)			115	120	125	128	131	133	135	135
SUCTION TEMPERATURE (°F)			51	52	53	55	56	59	62	65
SUCTION SUPERHEAT (°F)			12	11	10	11	11	13	15	18
OUTDOOR UNIT CURRENT (A)			4.8	5.1	5.7	6.5	7.6	8.9	10.5	12.3
COMPRESSOR CURRENT (A)			3.9	4.3	4.9	5.7	6.8	8.1	9.7	11.5
INDOOR COIL DB TEMP DROP (°F)		29	27	26	24	24	23	23	24	
800		LIQUID PRESSURE (PSIG)	186	214	251	296	351	415	487	568
		LIQUID TEMPERATURE (°F)	58	66	75	85	96	107	116	125
		LIQUID SUBCOOLING (°F)	7	8	9	10	11	13	16	19
		SUCTION PRESSURE (PSIG)	118	123	128	131	134	136	138	138
		SUCTION TEMPERATURE (°F)	52	53	54	56	58	60	63	66
		SUCTION SUPERHEAT (°F)	12	11	10	11	11	13	15	18
		OUTDOOR UNIT CURRENT (A)	4.7	5.0	5.6	6.4	7.5	8.8	10.4	12.2
		COMPRESSOR CURRENT (A)	3.8	4.2	4.8	5.6	6.7	8.0	9.6	11.4
INDOOR COIL DB TEMP DROP (°F)		27	25	24	22	22	21	21	22	
1000		LIQUID PRESSURE (PSIG)	183	211	248	293	348	412	484	565
		LIQUID TEMPERATURE (°F)	58	66	75	86	97	107	116	126
		LIQUID SUBCOOLING (°F)	6	7	8	9	10	12	15	18
		SUCTION PRESSURE (PSIG)	121	126	131	134	137	139	141	141
		SUCTION TEMPERATURE (°F)	53	54	55	58	59	62	64	67
		SUCTION SUPERHEAT (°F)	12	11	10	11	11	13	15	18
		OUTDOOR UNIT CURRENT (A)	4.6	4.9	5.5	6.3	7.4	8.7	10.3	12.1
		COMPRESSOR CURRENT (A)	3.7	4.1	4.7	5.5	6.6	7.9	9.5	11.3
INDOOR COIL DB TEMP DROP (°F)		25	23	22	20	20	19	19	20	

Continued on next page.

## YCS24BS21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	600	LIQUID PRESSURE (PSIG)	191	219	256	301	355	418	489	569
		LIQUID TEMPERATURE (°F)	59	67	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	8	8	9	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	122	125	128	131	134	137	140	143
		SUCTION TEMPERATURE (°F)	55	55	55	56	58	60	63	66
		SUCTION SUPERHEAT (°F)	13	12	11	11	11	12	14	16
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.6	7.7	8.9	10.4	12.1
		COMPRESSOR CURRENT (A)	3.9	4.3	5.0	5.8	6.8	8.1	9.6	11.3
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	24	23	22	22	
	800	LIQUID PRESSURE (PSIG)	189	217	254	299	353	416	487	567
		LIQUID TEMPERATURE (°F)	59	68	77	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	7	7	8	10	11	13	15	18
		SUCTION PRESSURE (PSIG)	127	130	133	136	139	142	145	148
		SUCTION TEMPERATURE (°F)	58	58	58	59	61	63	66	69
		SUCTION SUPERHEAT (°F)	14	13	12	12	12	13	15	17
		OUTDOOR UNIT CURRENT (A)	4.7	5.1	5.7	6.5	7.6	8.8	10.3	12.0
		COMPRESSOR CURRENT (A)	3.8	4.2	4.9	5.7	6.7	8.0	9.5	11.2
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19	19	
	1000	LIQUID PRESSURE (PSIG)	187	215	252	297	351	414	485	565
		LIQUID TEMPERATURE (°F)	60	68	77	86	97	107	118	127
		LIQUID SUBCOOLING (°F)	6	6	7	9	10	12	14	17
		SUCTION PRESSURE (PSIG)	132	135	138	141	144	147	150	153
		SUCTION TEMPERATURE (°F)	61	61	61	62	64	66	69	72
		SUCTION SUPERHEAT (°F)	15	14	13	13	13	14	16	18
		OUTDOOR UNIT CURRENT (A)	4.6	5.0	5.6	6.4	7.5	8.7	10.2	11.9
		COMPRESSOR CURRENT (A)	3.7	4.1	4.8	5.6	6.6	7.9	9.4	11.1
	INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	18	17	16	16	
	80/72	600	LIQUID PRESSURE (PSIG)	190	220	256	301	354	414	482
LIQUID TEMPERATURE (°F)			60	69	78	88	98	107	117	126
LIQUID SUBCOOLING (°F)			7	7	7	8	10	12	14	17
SUCTION PRESSURE (PSIG)			129	134	138	142	145	148	149	151
SUCTION TEMPERATURE (°F)			61	61	61	62	63	64	67	69
SUCTION SUPERHEAT (°F)			16	14	13	12	12	12	14	16
OUTDOOR UNIT CURRENT (A)			4.7	5.1	5.7	6.5	7.5	8.7	10.1	11.7
COMPRESSOR CURRENT (A)			3.9	4.3	4.9	5.7	6.7	7.9	9.3	11.0
INDOOR COIL DB TEMP DROP (°F)		21	21	20	20	20	19	19	18	
800		LIQUID PRESSURE (PSIG)	189	219	255	300	353	413	481	557
		LIQUID TEMPERATURE (°F)	59	68	78	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	7	7	7	8	10	12	14	17
		SUCTION PRESSURE (PSIG)	134	139	143	147	150	153	154	156
		SUCTION TEMPERATURE (°F)	64	64	64	65	66	67	69	72
		SUCTION SUPERHEAT (°F)	17	15	14	13	13	13	15	17
		OUTDOOR UNIT CURRENT (A)	4.6	5.0	5.6	6.4	7.4	8.6	10.0	11.6
		COMPRESSOR CURRENT (A)	3.8	4.2	4.8	5.6	6.6	7.8	9.2	10.9
INDOOR COIL DB TEMP DROP (°F)		18	18	17	17	17	16	16	15	
1000		LIQUID PRESSURE (PSIG)	188	218	254	299	352	412	480	556
		LIQUID TEMPERATURE (°F)	59	68	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	7	7	7	8	10	12	14	17
		SUCTION PRESSURE (PSIG)	139	144	148	152	155	158	159	161
		SUCTION TEMPERATURE (°F)	67	67	67	68	69	70	72	75
		SUCTION SUPERHEAT (°F)	18	16	15	14	14	14	16	18
		OUTDOOR UNIT CURRENT (A)	4.5	4.9	5.5	6.3	7.3	8.5	9.9	11.5
		COMPRESSOR CURRENT (A)	3.7	4.1	4.7	5.5	6.5	7.7	9.1	10.8
INDOOR COIL DB TEMP DROP (°F)		15	15	14	14	14	13	13	12	

FOR USE WITH MODELS:

YCS24B22S

TW4B2422S

RAW14L24B23S

QW4B24B22S

YCS24BS21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	188(3)	191(4)	192(2)	194(2)
60	202(4)	205(5)	207(3)	208(2)
65	218(5)	221(6)	223(4)	224(3)
70	236(6)	239(7)	241(5)	242(4)
75	256(7)	259(8)	260(7)	262(5)
80	277(8)	280(9)	282(8)	283(6)
85	300(9)	303(10)	305(9)	306(7)
90	325(10)	328(11)	329(10)	331(7)
95	352(11)	354(12)	356(10)	357(8)
100	380(11)	382(12)	384(11)	385(9)
105	410(12)	412(13)	414(12)	415(10)
110	442(13)	444(13)	445(13)	446(11)
115	476(13)	477(14)	479(13)	479(12)
120	512(14)	512(14)	514(14)	514(13)
125	549(15)	549(14)	550(14)	550(14)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCS24BS21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	191	221	259	303	355	413	479	550
		LIQUID TEMPERATURE (°F)	63	69	77	86	96	105	116	126
		LIQUID SUBCOOLING (°F)	4	7	9	11	12	14	15	16
		SUCTION PRESSURE (PSIG)	116	118	120	122	124	127	130	132
		SUCTION TEMPERATURE (°F)	54	55	56	57	59	61	63	65
		SUCTION SUPERHEAT (°F)	15	15	15	15	16	17	18	19
		OUTDOOR UNIT CURRENT (A)	4.9	5.3	5.9	6.7	7.6	8.7	9.9	11.3
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.9	6.8	7.9	9.1	10.5
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	24	23	22	21	
	800	LIQUID PRESSURE (PSIG)	190	220	258	302	354	412	478	549
		LIQUID TEMPERATURE (°F)	64	70	78	87	97	106	116	127
		LIQUID SUBCOOLING (°F)	3	6	8	10	11	13	14	15
		SUCTION PRESSURE (PSIG)	121	123	125	127	129	132	135	137
		SUCTION TEMPERATURE (°F)	56	57	58	59	61	63	65	67
		SUCTION SUPERHEAT (°F)	15	15	15	15	16	17	18	19
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.6	7.5	8.6	9.8	11.2
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.8	6.7	7.8	9.0	10.4
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19	18	
	1000	LIQUID PRESSURE (PSIG)	189	219	257	301	353	411	477	548
		LIQUID TEMPERATURE (°F)	64	70	79	87	98	107	117	127
		LIQUID SUBCOOLING (°F)	2	5	7	9	10	12	13	14
		SUCTION PRESSURE (PSIG)	126	128	130	132	134	137	140	142
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	65	67	69
		SUCTION SUPERHEAT (°F)	15	15	15	15	16	17	18	19
OUTDOOR UNIT CURRENT (A)		4.7	5.1	5.7	6.5	7.4	8.5	9.7	11.1	
COMPRESSOR CURRENT (A)		3.8	4.3	4.9	5.7	6.6	7.7	8.9	10.3	
INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	18	17	16	15		

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## YCS24BS21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	600	LIQUID PRESSURE (PSIG)	188	218	256	300	352	410	476	549
		LIQUID TEMPERATURE (°F)	62	69	77	86	95	106	116	126
		LIQUID SUBCOOLING (°F)	4	6	8	10	12	13	14	16
		SUCTION PRESSURE (PSIG)	106	108	111	114	117	121	126	130
		SUCTION TEMPERATURE (°F)	49	50	52	54	55	58	60	63
		SUCTION SUPERHEAT (°F)	15	15	15	16	16	17	17	18
		OUTDOOR UNIT CURRENT (A)	4.9	5.3	5.9	6.7	7.6	8.7	9.9	11.2
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.9	6.8	7.8	9.1	10.4
	INDOOR COIL DB TEMP DROP (°F)	33	32	31	30	29	28	27	26	
	800	LIQUID PRESSURE (PSIG)	188	218	256	300	352	410	476	549
		LIQUID TEMPERATURE (°F)	63	70	78	87	96	107	117	127
		LIQUID SUBCOOLING (°F)	3	5	7	9	11	12	13	15
		SUCTION PRESSURE (PSIG)	115	117	120	123	126	130	135	139
		SUCTION TEMPERATURE (°F)	54	54	56	58	59	62	64	67
		SUCTION SUPERHEAT (°F)	15	15	15	16	16	17	17	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.6	7.5	8.6	9.8	11.1
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.8	6.7	7.7	9.0	10.3
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23	22	
	1000	LIQUID PRESSURE (PSIG)	188	218	256	300	352	410	476	549
		LIQUID TEMPERATURE (°F)	64	71	79	88	97	108	118	128
		LIQUID SUBCOOLING (°F)	2	4	6	8	10	11	12	14
		SUCTION PRESSURE (PSIG)	124	126	129	132	135	139	144	148
		SUCTION TEMPERATURE (°F)	58	58	60	62	63	66	68	70
		SUCTION SUPERHEAT (°F)	15	15	15	16	16	17	17	18
		OUTDOOR UNIT CURRENT (A)	4.7	5.1	5.7	6.5	7.4	8.5	9.7	11.0
		COMPRESSOR CURRENT (A)	3.8	4.3	4.9	5.7	6.6	7.6	8.9	10.2
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19	18	
	80/62	600	LIQUID PRESSURE (PSIG)	192	222	260	304	355	413	478
LIQUID TEMPERATURE (°F)			62	69	78	86	95	105	115	127
LIQUID SUBCOOLING (°F)			5	7	9	11	13	14	15	15
SUCTION PRESSURE (PSIG)			116	117	119	122	124	127	131	135
SUCTION TEMPERATURE (°F)			54	54	55	57	58	60	62	65
SUCTION SUPERHEAT (°F)			15	15	15	15	15	16	17	18
OUTDOOR UNIT CURRENT (A)			4.9	5.3	6.0	6.7	7.6	8.7	9.9	11.2
COMPRESSOR CURRENT (A)			4.0	4.5	5.1	5.9	6.8	7.9	9.1	10.4
INDOOR COIL DB TEMP DROP (°F)		30	29	29	28	27	27	26	25	
800		LIQUID PRESSURE (PSIG)	191	221	259	303	354	412	477	549
		LIQUID TEMPERATURE (°F)	63	70	78	87	96	106	116	128
		LIQUID SUBCOOLING (°F)	4	6	8	10	12	13	14	14
		SUCTION PRESSURE (PSIG)	122	123	125	128	130	133	137	141
		SUCTION TEMPERATURE (°F)	57	57	58	59	60	62	65	67
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.9	6.6	7.5	8.6	9.8	11.1
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.8	6.7	7.8	9.0	10.3
INDOOR COIL DB TEMP DROP (°F)		27	26	26	25	24	24	23	22	
1000		LIQUID PRESSURE (PSIG)	190	220	258	302	353	411	476	548
		LIQUID TEMPERATURE (°F)	64	71	79	88	97	107	117	128
		LIQUID SUBCOOLING (°F)	3	5	7	9	11	12	13	13
		SUCTION PRESSURE (PSIG)	128	129	131	134	136	139	143	147
		SUCTION TEMPERATURE (°F)	59	60	60	62	62	65	67	70
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	4.7	5.1	5.8	6.5	7.4	8.5	9.7	11.0
		COMPRESSOR CURRENT (A)	3.8	4.3	4.9	5.7	6.6	7.7	8.9	10.2
INDOOR COIL DB TEMP DROP (°F)		24	23	23	22	21	21	20	19	

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## YCS24BS21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	600	LIQUID PRESSURE (PSIG)	192	223	260	305	356	414	479	550
		LIQUID TEMPERATURE (°F)	64	72	79	87	97	106	117	127
		LIQUID SUBCOOLING (°F)	3	5	8	10	11	13	14	15
		SUCTION PRESSURE (PSIG)	126	129	131	134	136	139	141	144
		SUCTION TEMPERATURE (°F)	59	60	60	62	62	65	66	69
		SUCTION SUPERHEAT (°F)	16	15	15	15	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.6	7.5	8.5	9.7	11.0
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.8	6.7	7.7	8.9	10.2
	INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	24	23	22	22	
	800	LIQUID PRESSURE (PSIG)	192	223	260	305	356	414	479	550
		LIQUID TEMPERATURE (°F)	65	73	80	88	98	107	118	128
		LIQUID SUBCOOLING (°F)	2	4	7	9	10	12	13	14
		SUCTION PRESSURE (PSIG)	131	134	136	139	141	144	146	149
		SUCTION TEMPERATURE (°F)	61	62	62	64	64	67	68	71
		SUCTION SUPERHEAT (°F)	16	15	15	15	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.6	7.5	8.5	9.7	11.0
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.8	6.7	7.7	8.9	10.2
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	21	21	20	19	19	
	1000	LIQUID PRESSURE (PSIG)	192	223	260	305	356	414	479	550
		LIQUID TEMPERATURE (°F)	66	74	81	89	99	108	119	129
		LIQUID SUBCOOLING (°F)	1	3	6	8	9	11	12	13
		SUCTION PRESSURE (PSIG)	136	139	141	144	146	149	151	154
		SUCTION TEMPERATURE (°F)	63	64	64	66	66	69	70	72
		SUCTION SUPERHEAT (°F)	16	15	15	15	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.6	7.5	8.5	9.7	11.0
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.8	6.7	7.7	8.9	10.2
	INDOOR COIL DB TEMP DROP (°F)	19	19	19	18	18	17	16	16	
	80/72	600	LIQUID PRESSURE (PSIG)	194	224	262	306	357	415	479
LIQUID TEMPERATURE (°F)			66	74	82	91	100	110	119	128
LIQUID SUBCOOLING (°F)			2	3	5	7	8	10	12	14
SUCTION PRESSURE (PSIG)			135	138	142	145	148	151	153	156
SUCTION TEMPERATURE (°F)			64	64	65	65	66	67	69	72
SUCTION SUPERHEAT (°F)			17	16	15	14	14	14	15	17
OUTDOOR UNIT CURRENT (A)			4.8	5.2	5.8	6.5	7.4	8.4	9.6	10.9
COMPRESSOR CURRENT (A)			3.9	4.4	5.0	5.7	6.6	7.6	8.8	10.1
INDOOR COIL DB TEMP DROP (°F)		21	20	20	20	19	19	18	17	
800		LIQUID PRESSURE (PSIG)	194	224	262	306	357	415	479	550
		LIQUID TEMPERATURE (°F)	66	74	82	91	100	110	119	128
		LIQUID SUBCOOLING (°F)	2	3	5	7	8	10	12	14
		SUCTION PRESSURE (PSIG)	140	143	147	150	153	156	158	161
		SUCTION TEMPERATURE (°F)	67	67	68	68	69	70	72	75
		SUCTION SUPERHEAT (°F)	18	17	16	15	15	15	16	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.5	7.4	8.4	9.6	10.9
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.7	6.6	7.6	8.8	10.1
INDOOR COIL DB TEMP DROP (°F)		18	17	17	17	16	16	15	14	
1000		LIQUID PRESSURE (PSIG)	194	224	262	306	357	415	479	550
		LIQUID TEMPERATURE (°F)	67	75	83	92	101	111	120	129
		LIQUID SUBCOOLING (°F)	1	2	4	6	7	9	11	13
		SUCTION PRESSURE (PSIG)	145	148	152	155	158	161	163	166
		SUCTION TEMPERATURE (°F)	70	70	71	71	72	73	75	78
		SUCTION SUPERHEAT (°F)	19	18	17	16	16	16	17	19
		OUTDOOR UNIT CURRENT (A)	4.8	5.2	5.8	6.5	7.4	8.4	9.6	10.9
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.7	6.6	7.6	8.8	10.1
INDOOR COIL DB TEMP DROP (°F)		15	14	14	14	13	13	12	11	

FOR USE WITH MODELS:

YCS30B21S

TW4B3021S

RAW14L30B21S

QW4B30B21S

YCS30B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	186(6)	189(7)	191(8)	193(10)
60	198(6)	201(7)	203(8)	206(9)
65	213(6)	215(7)	218(7)	222(8)
70	230(6)	233(7)	235(7)	239(8)
75	250(7)	253(7)	255(7)	258(8)
80	273(7)	275(8)	276(7)	279(8)
85	298(8)	300(8)	300(8)	303(8)
90	325(9)	328(9)	327(8)	328(8)
95	355(10)	358(10)	356(9)	355(9)
100	387(11)	391(12)	387(10)	384(9)
105	422(13)	426(13)	420(11)	415(10)
110	460(14)	465(15)	456(13)	448(11)
115	500(16)	505(16)	494(15)	482(12)
120	542(18)	549(18)	535(16)	519(14)
125	588(20)	594(21)	577(18)	558(15)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCS30B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	195	221	257	306	366	437	520	614
		LIQUID TEMPERATURE (°F)	61	69	79	89	99	111	120	130
		LIQUID SUBCOOLING (°F)	7	7	7	9	11	13	17	21
		SUCTION PRESSURE (PSIG)	112	115	119	122	125	128	130	132
		SUCTION TEMPERATURE (°F)	52	51	50	50	50	51	53	56
		SUCTION SUPERHEAT (°F)	15	12	10	8	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.4	7.1	8.2	9.5	11.2	13.2	15.5
		COMPRESSOR CURRENT (A)	5.2	5.6	6.3	7.3	8.7	10.4	12.4	14.8
		INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	22	22	21	20
	1000	LIQUID PRESSURE (PSIG)	189	215	251	300	360	431	514	608
		LIQUID TEMPERATURE (°F)	59	67	77	87	98	109	119	129
		LIQUID SUBCOOLING (°F)	7	7	7	9	11	13	17	21
		SUCTION PRESSURE (PSIG)	116	119	123	126	129	132	134	136
		SUCTION TEMPERATURE (°F)	55	53	53	52	53	54	56	58
		SUCTION SUPERHEAT (°F)	16	13	11	9	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.2	6.9	8.0	9.3	11.0	13.0	15.3
		COMPRESSOR CURRENT (A)	5.0	5.4	6.1	7.1	8.5	10.2	12.2	14.6
		INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	20	20	19	18
	1200	LIQUID PRESSURE (PSIG)	183	209	245	294	354	425	508	602
		LIQUID TEMPERATURE (°F)	58	67	77	87	98	109	119	129
		LIQUID SUBCOOLING (°F)	6	6	6	8	10	12	16	20
		SUCTION PRESSURE (PSIG)	120	123	127	130	133	136	138	140
		SUCTION TEMPERATURE (°F)	58	56	56	55	55	56	58	61
		SUCTION SUPERHEAT (°F)	17	14	12	10	9	9	10	12
OUTDOOR UNIT CURRENT (A)		5.7	6.0	6.7	7.8	9.1	10.8	12.8	15.1	
COMPRESSOR CURRENT (A)		4.8	5.2	5.9	6.9	8.3	10.0	12.0	14.4	
INDOOR COIL DB TEMP DROP (°F)		19	19	19	19	18	18	17	16	

Continued on next page.

## YCS30B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	800	LIQUID PRESSURE (PSIG)	190	217	254	302	359	426	504	592
		LIQUID TEMPERATURE (°F)	60	68	77	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	7	7	8	9	11	14	17	21
		SUCTION PRESSURE (PSIG)	102	106	110	114	118	122	125	129
		SUCTION TEMPERATURE (°F)	49	47	47	47	49	51	53	57
		SUCTION SUPERHEAT (°F)	16	13	11	9	9	9	10	12
		OUTDOOR UNIT CURRENT (A)	6.0	6.5	7.2	8.2	9.5	11.1	12.9	15.1
		COMPRESSOR CURRENT (A)	5.2	5.6	6.3	7.4	8.7	10.2	12.1	14.3
	INDOOR COIL DB TEMP DROP (°F)	31	31	30	30	29	28	27	25	
	1000	LIQUID PRESSURE (PSIG)	186	213	250	298	355	422	500	588
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	6	6	7	8	10	13	16	20
		SUCTION PRESSURE (PSIG)	109	113	117	121	125	129	132	136
		SUCTION TEMPERATURE (°F)	53	52	51	51	53	55	57	60
		SUCTION SUPERHEAT (°F)	17	14	12	10	10	10	11	13
		OUTDOOR UNIT CURRENT (A)	5.8	6.3	7.0	8.0	9.3	10.9	12.7	14.9
		COMPRESSOR CURRENT (A)	5.0	5.4	6.1	7.2	8.5	10.0	11.9	14.1
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	25	24	23	21	
	1200	LIQUID PRESSURE (PSIG)	182	209	246	294	351	418	496	584
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	5	5	6	7	9	12	15	19
		SUCTION PRESSURE (PSIG)	116	120	124	128	132	136	139	143
		SUCTION TEMPERATURE (°F)	57	56	56	55	57	58	61	64
		SUCTION SUPERHEAT (°F)	18	15	13	11	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	5.6	6.1	6.8	7.8	9.1	10.7	12.5	14.7
		COMPRESSOR CURRENT (A)	4.8	5.2	5.9	7.0	8.3	9.8	11.7	13.9
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19	17	
	80/62	800	LIQUID PRESSURE (PSIG)	192	218	256	303	361	429	508
LIQUID TEMPERATURE (°F)			59	67	77	88	98	108	118	126
LIQUID SUBCOOLING (°F)			8	8	8	9	11	14	17	22
SUCTION PRESSURE (PSIG)			111	115	118	122	125	128	130	133
SUCTION TEMPERATURE (°F)			54	52	50	51	51	52	54	58
SUCTION SUPERHEAT (°F)			17	13	10	9	8	8	9	12
OUTDOOR UNIT CURRENT (A)			6.0	6.4	7.1	8.1	9.4	11.0	12.9	15.1
COMPRESSOR CURRENT (A)			5.1	5.5	6.3	7.3	8.6	10.2	12.1	14.3
INDOOR COIL DB TEMP DROP (°F)		27	28	28	27	27	26	25	24	
1000		LIQUID PRESSURE (PSIG)	189	215	253	300	358	426	505	594
		LIQUID TEMPERATURE (°F)	59	67	78	88	99	109	119	127
		LIQUID SUBCOOLING (°F)	7	7	7	8	10	13	16	21
		SUCTION PRESSURE (PSIG)	116	120	123	127	130	133	135	138
		SUCTION TEMPERATURE (°F)	57	55	53	54	54	55	57	61
		SUCTION SUPERHEAT (°F)	18	14	11	10	9	9	10	13
		OUTDOOR UNIT CURRENT (A)	5.9	6.3	7.0	8.0	9.3	10.9	12.8	15.0
		COMPRESSOR CURRENT (A)	5.0	5.4	6.2	7.2	8.5	10.1	12.0	14.2
INDOOR COIL DB TEMP DROP (°F)		24	25	25	24	24	23	22	21	
1200		LIQUID PRESSURE (PSIG)	186	212	250	297	355	423	502	591
		LIQUID TEMPERATURE (°F)	59	67	78	88	99	109	119	128
		LIQUID SUBCOOLING (°F)	6	6	6	7	9	12	15	20
		SUCTION PRESSURE (PSIG)	121	125	128	132	135	138	140	143
		SUCTION TEMPERATURE (°F)	60	58	56	57	57	58	60	64
		SUCTION SUPERHEAT (°F)	19	15	12	11	10	10	11	14
		OUTDOOR UNIT CURRENT (A)	5.8	6.2	6.9	7.9	9.2	10.8	12.7	14.9
		COMPRESSOR CURRENT (A)	4.9	5.3	6.1	7.1	8.4	10.0	11.9	14.1
INDOOR COIL DB TEMP DROP (°F)		21	22	22	21	21	20	19	18	

Continued on next page.



## YCS30B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	800	LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494	577
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	110	118	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	11	15	18
		SUCTION PRESSURE (PSIG)	119	125	130	134	138	141	143	144
		SUCTION TEMPERATURE (°F)	62	59	57	56	55	56	58	61
		SUCTION SUPERHEAT (°F)	22	16	12	9	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	5.9	6.3	7.0	8.0	9.2	10.6	12.3	14.2
		COMPRESSOR CURRENT (A)	5.0	5.5	6.2	7.1	8.3	9.8	11.5	13.4
	INDOOR COIL DB TEMP DROP (°F)	22	23	23	23	22	22	21	20	
	1000	LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494	577
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	110	118	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	11	15	18
		SUCTION PRESSURE (PSIG)	122	128	133	137	141	144	146	147
		SUCTION TEMPERATURE (°F)	65	61	59	58	57	59	60	63
		SUCTION SUPERHEAT (°F)	23	17	13	10	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.3	7.0	8.0	9.2	10.6	12.3	14.2
		COMPRESSOR CURRENT (A)	5.0	5.5	6.2	7.1	8.3	9.8	11.5	13.4
	INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	20	20	19	18	
	1200	LIQUID PRESSURE (PSIG)	191	218	255	300	356	420	494	577
		LIQUID TEMPERATURE (°F)	59	68	78	88	99	110	118	128
		LIQUID SUBCOOLING (°F)	8	7	7	8	9	11	15	18
		SUCTION PRESSURE (PSIG)	125	131	136	140	144	147	149	150
		SUCTION TEMPERATURE (°F)	67	63	61	60	60	61	63	65
		SUCTION SUPERHEAT (°F)	24	18	14	11	9	9	10	12
OUTDOOR UNIT CURRENT (A)		5.9	6.3	7.0	8.0	9.2	10.6	12.3	14.2	
COMPRESSOR CURRENT (A)		5.0	5.5	6.2	7.1	8.3	9.8	11.5	13.4	
INDOOR COIL DB TEMP DROP (°F)	18	19	19	19	18	18	17	16		
80/72	800	LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482	558
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	10	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	123	131	138	145	149	153	156	157
		SUCTION TEMPERATURE (°F)	67	64	63	62	62	62	63	64
		SUCTION SUPERHEAT (°F)	25	19	15	11	9	8	8	9
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.0	9.1	10.4	11.9	13.6
		COMPRESSOR CURRENT (A)	5.0	5.5	6.2	7.1	8.3	9.6	11.1	12.8
	INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	18	18	17	16	
	1000	LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482	558
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	10	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	126	134	141	148	152	156	159	160
		SUCTION TEMPERATURE (°F)	69	67	65	64	64	64	65	67
		SUCTION SUPERHEAT (°F)	26	20	16	12	10	9	9	10
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.0	9.1	10.4	11.9	13.6
		COMPRESSOR CURRENT (A)	5.0	5.5	6.2	7.1	8.3	9.6	11.1	12.8
	INDOOR COIL DB TEMP DROP (°F)	16	16	16	16	16	16	15	14	
	1200	LIQUID PRESSURE (PSIG)	193	222	258	303	355	415	482	558
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	10	8	8	8	9	10	12	15
		SUCTION PRESSURE (PSIG)	129	137	144	151	155	159	162	163
		SUCTION TEMPERATURE (°F)	72	69	68	66	66	66	67	69
		SUCTION SUPERHEAT (°F)	27	21	17	13	11	10	10	11
OUTDOOR UNIT CURRENT (A)		5.9	6.4	7.1	8.0	9.1	10.4	11.9	13.6	
COMPRESSOR CURRENT (A)		5.0	5.5	6.2	7.1	8.3	9.6	11.1	12.8	
INDOOR COIL DB TEMP DROP (°F)	14	14	14	14	14	14	13	12		

FOR USE WITH MODELS:

YCS30B22S

TW4B3022S

RAW14L30B23S

QW4B30B22S

YCS30B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	203(7)	205(9)	209(10)	214(13)
60	214(7)	216(8)	220(10)	224(12)
65	228(7)	229(8)	233(9)	237(11)
70	243(8)	245(9)	249(9)	253(11)
75	262(8)	263(9)	267(9)	271(10)
80	283(9)	284(9)	288(10)	291(10)
85	306(10)	307(10)	311(10)	314(10)
90	332(11)	333(11)	336(11)	339(11)
95	360(12)	361(12)	364(12)	366(11)
100	393(13)	394(13)	397(13)	398(12)
105	429(15)	430(14)	433(14)	433(14)
110	466(16)	467(16)	471(16)	470(15)
115	507(18)	509(17)	512(18)	510(17)
120	550(19)	551(19)	554(19)	552(19)
125	596(21)	598(21)	601(22)	597(21)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCS30B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	208	231	264	309	365	432	510	599
		LIQUID TEMPERATURE (°F)	63	70	78	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	16	19	23
		SUCTION PRESSURE (PSIG)	119	121	123	126	128	131	133	136
		SUCTION TEMPERATURE (°F)	52	52	52	52	53	54	56	58
		SUCTION SUPERHEAT (°F)	12	11	10	9	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	6.0	6.4	7.1	8.1	9.2	10.7	12.4	14.3
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.3	8.5	9.9	11.6	13.5
	INDOOR COIL DB TEMP DROP (°F)	25	24	22	21	21	20	20	20	
	1000	LIQUID PRESSURE (PSIG)	207	230	263	308	364	431	509	598
		LIQUID TEMPERATURE (°F)	63	70	77	87	97	106	116	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	16	19	23
		SUCTION PRESSURE (PSIG)	123	125	127	130	132	135	137	140
		SUCTION TEMPERATURE (°F)	54	54	54	54	55	56	58	60
		SUCTION SUPERHEAT (°F)	12	11	10	9	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.3	7.0	8.0	9.1	10.6	12.3	14.2
		COMPRESSOR CURRENT (A)	5.0	5.5	6.2	7.2	8.4	9.8	11.5	13.4
	INDOOR COIL DB TEMP DROP (°F)	23	22	20	19	19	18	18	18	
	1200	LIQUID PRESSURE (PSIG)	206	229	262	307	363	430	508	597
		LIQUID TEMPERATURE (°F)	63	69	77	87	97	106	116	125
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	16	19	23
		SUCTION PRESSURE (PSIG)	127	129	131	134	136	139	141	144
		SUCTION TEMPERATURE (°F)	56	56	55	56	56	58	59	62
		SUCTION SUPERHEAT (°F)	12	11	10	9	9	9	10	11
OUTDOOR UNIT CURRENT (A)		5.8	6.2	6.9	7.9	9.0	10.5	12.2	14.1	
COMPRESSOR CURRENT (A)		4.9	5.4	6.1	7.1	8.3	9.7	11.4	13.3	
INDOOR COIL DB TEMP DROP (°F)	21	20	18	17	17	16	16	16		

Continued on next page.

## YCS30B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	800	LIQUID PRESSURE (PSIG)	204	230	264	308	362	431	509	598
		LIQUID TEMPERATURE (°F)	63	71	79	87	96	106	116	127
		LIQUID SUBCOOLING (°F)	8	8	9	11	13	16	19	22
		SUCTION PRESSURE (PSIG)	110	113	116	119	123	127	131	135
		SUCTION TEMPERATURE (°F)	49	50	50	51	53	55	56	58
		SUCTION SUPERHEAT (°F)	13	12	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.1	9.2	10.5	12.1	13.8
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.3	8.4	9.8	11.3	13.1
	INDOOR COIL DB TEMP DROP (°F)	33	32	31	30	29	28	26	25	
	1000	LIQUID PRESSURE (PSIG)	202	228	262	306	360	429	507	596
		LIQUID TEMPERATURE (°F)	63	71	79	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	7	7	8	10	12	15	18	21
		SUCTION PRESSURE (PSIG)	117	120	123	126	130	134	138	142
		SUCTION TEMPERATURE (°F)	52	53	53	54	56	58	59	61
		SUCTION SUPERHEAT (°F)	13	12	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.8	6.3	7.0	8.0	9.1	10.4	12.0	13.7
		COMPRESSOR CURRENT (A)	5.0	5.5	6.2	7.2	8.3	9.7	11.2	13.0
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	23	22	
	1200	LIQUID PRESSURE (PSIG)	200	226	260	304	358	427	505	594
		LIQUID TEMPERATURE (°F)	64	71	80	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	6	6	7	9	11	14	17	20
		SUCTION PRESSURE (PSIG)	124	127	130	133	137	141	145	149
		SUCTION TEMPERATURE (°F)	56	56	56	57	59	60	62	64
		SUCTION SUPERHEAT (°F)	13	12	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.7	6.2	6.9	7.9	9.0	10.3	11.9	13.6
		COMPRESSOR CURRENT (A)	4.9	5.4	6.1	7.1	8.2	9.6	11.1	12.9
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	20	19	
	80/62	800	LIQUID PRESSURE (PSIG)	207	231	265	309	363	432	511
LIQUID TEMPERATURE (°F)			62	70	78	87	97	108	118	127
LIQUID SUBCOOLING (°F)			10	9	10	11	13	15	18	22
SUCTION PRESSURE (PSIG)			118	120	123	125	128	131	134	138
SUCTION TEMPERATURE (°F)			53	53	53	53	54	55	57	59
SUCTION SUPERHEAT (°F)			13	12	11	10	10	10	10	11
OUTDOOR UNIT CURRENT (A)			5.9	6.4	7.1	8.0	9.2	10.5	12.1	13.8
COMPRESSOR CURRENT (A)			5.1	5.6	6.3	7.2	8.4	9.7	11.3	13.1
INDOOR COIL DB TEMP DROP (°F)		29	29	29	28	27	26	25	23	
1000		LIQUID PRESSURE (PSIG)	205	229	263	307	361	430	509	599
		LIQUID TEMPERATURE (°F)	62	70	78	88	97	108	118	128
		LIQUID SUBCOOLING (°F)	9	8	9	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	123	125	128	130	133	136	139	143
		SUCTION TEMPERATURE (°F)	55	55	55	55	56	57	59	61
		SUCTION SUPERHEAT (°F)	13	12	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	5.8	6.3	7.0	7.9	9.1	10.4	12.0	13.7
		COMPRESSOR CURRENT (A)	5.0	5.5	6.2	7.1	8.3	9.6	11.2	13.0
INDOOR COIL DB TEMP DROP (°F)		27	27	27	26	25	24	23	21	
1200		LIQUID PRESSURE (PSIG)	203	227	261	305	359	428	507	597
		LIQUID TEMPERATURE (°F)	63	71	79	88	98	109	119	128
		LIQUID SUBCOOLING (°F)	8	7	8	9	11	13	16	20
		SUCTION PRESSURE (PSIG)	128	130	133	135	138	141	144	148
		SUCTION TEMPERATURE (°F)	57	57	57	57	58	59	61	63
		SUCTION SUPERHEAT (°F)	13	12	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	5.7	6.2	6.9	7.8	9.0	10.3	11.9	13.6
		COMPRESSOR CURRENT (A)	4.9	5.4	6.1	7.0	8.2	9.5	11.1	12.9
INDOOR COIL DB TEMP DROP (°F)		25	25	25	24	23	22	21	19	

Continued on next page.

## YCS30B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	800	LIQUID PRESSURE (PSIG)	209	233	267	311	364	433	512	601
		LIQUID TEMPERATURE (°F)	63	70	79	89	98	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	10	12	14	18	22
		SUCTION PRESSURE (PSIG)	128	131	135	138	140	143	145	148
		SUCTION TEMPERATURE (°F)	58	57	57	57	57	58	59	61
		SUCTION SUPERHEAT (°F)	14	12	10	9	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.0	9.1	10.4	11.9	13.7
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.3	9.6	11.2	12.9
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	23	22	22	21	
	1000	LIQUID PRESSURE (PSIG)	209	233	267	311	364	433	512	601
		LIQUID TEMPERATURE (°F)	63	70	79	89	98	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	10	12	14	18	22
		SUCTION PRESSURE (PSIG)	132	135	139	142	144	147	149	152
		SUCTION TEMPERATURE (°F)	61	60	60	60	60	61	62	64
		SUCTION SUPERHEAT (°F)	15	13	11	10	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.0	9.1	10.4	11.9	13.7
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.3	9.6	11.2	12.9
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	21	20	20	19	
	1200	LIQUID PRESSURE (PSIG)	209	233	267	311	364	433	512	601
		LIQUID TEMPERATURE (°F)	63	70	79	89	98	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	9	10	12	14	18	22
		SUCTION PRESSURE (PSIG)	136	139	143	146	148	151	153	156
		SUCTION TEMPERATURE (°F)	63	63	62	62	62	63	64	66
		SUCTION SUPERHEAT (°F)	16	14	12	11	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.0	9.1	10.4	11.9	13.7
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.3	9.6	11.2	12.9
	INDOOR COIL DB TEMP DROP (°F)	20	20	20	20	19	18	18	17	
	80/72	800	LIQUID PRESSURE (PSIG)	213	236	270	313	365	432	509
LIQUID TEMPERATURE (°F)			61	69	79	89	99	109	118	127
LIQUID SUBCOOLING (°F)			13	11	10	10	11	14	17	21
SUCTION PRESSURE (PSIG)			135	141	146	150	154	157	159	161
SUCTION TEMPERATURE (°F)			66	64	63	63	63	63	64	67
SUCTION SUPERHEAT (°F)			19	15	12	10	9	8	8	10
OUTDOOR UNIT CURRENT (A)			5.9	6.4	7.1	8.0	9.1	10.4	11.8	13.4
COMPRESSOR CURRENT (A)			5.1	5.6	6.3	7.2	8.3	9.6	11.0	12.7
INDOOR COIL DB TEMP DROP (°F)		20	19	19	19	19	18	17	17	
1000		LIQUID PRESSURE (PSIG)	214	237	271	314	366	433	510	597
		LIQUID TEMPERATURE (°F)	61	69	79	89	99	109	119	127
		LIQUID SUBCOOLING (°F)	13	11	10	10	11	14	17	21
		SUCTION PRESSURE (PSIG)	138	144	149	153	157	160	162	164
		SUCTION TEMPERATURE (°F)	67	66	65	64	64	65	65	68
		SUCTION SUPERHEAT (°F)	19	15	12	10	9	8	8	10
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.0	9.1	10.4	11.8	13.4
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.3	9.6	11.0	12.7
INDOOR COIL DB TEMP DROP (°F)		18	17	17	17	17	16	15	15	
1200		LIQUID PRESSURE (PSIG)	215	238	272	315	367	434	511	598
		LIQUID TEMPERATURE (°F)	61	70	80	90	99	109	119	128
		LIQUID SUBCOOLING (°F)	13	11	10	10	11	14	17	21
		SUCTION PRESSURE (PSIG)	141	147	152	156	160	163	165	167
		SUCTION TEMPERATURE (°F)	68	67	66	65	66	66	66	69
		SUCTION SUPERHEAT (°F)	19	15	12	10	9	8	8	10
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.1	8.0	9.1	10.4	11.8	13.4
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.3	9.6	11.0	12.7
INDOOR COIL DB TEMP DROP (°F)		16	15	15	15	15	14	13	13	

FOR USE WITH MODELS:

- YCS36B21S**
- TW4B3621S**
- RAW14L36B21S**
- QW4B36B21S**

YCS36B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	191(10)	194(11)	197(12)	201(13)
60	204(10)	206(10)	209(11)	213(12)
65	219(10)	221(10)	224(11)	228(12)
70	237(10)	238(11)	241(11)	245(11)
75	257(11)	258(11)	260(11)	264(11)
80	280(11)	280(11)	282(11)	285(11)
85	304(12)	305(12)	307(12)	309(11)
90	332(13)	333(13)	333(12)	336(12)
95	361(13)	364(14)	363(13)	364(12)
100	394(14)	397(15)	394(14)	395(13)
105	428(15)	432(16)	428(15)	428(14)
110	465(17)	470(17)	465(16)	463(15)
115	504(18)	511(18)	504(17)	501(16)
120	546(19)	555(20)	545(19)	541(18)
125	590(21)	601(22)	589(20)	583(19)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**YCS36B21S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	197	224	262	311	370	439	519	610
		LIQUID TEMPERATURE (°F)	58	66	75	86	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	17	20	23
		SUCTION PRESSURE (PSIG)	116	116	118	120	122	126	130	135
		SUCTION TEMPERATURE (°F)	50	51	52	54	55	55	57	58
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	7.7	8.2	9.1	10.5	12.2	14.3	16.8	19.8
		COMPRESSOR CURRENT (A)	6.9	7.3	8.2	9.4	11.1	13.2	15.8	18.7
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	22	21	20	20	
	1200	LIQUID PRESSURE (PSIG)	194	221	259	308	367	436	516	607
		LIQUID TEMPERATURE (°F)	57	65	74	85	96	106	117	127
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	17	20	23
		SUCTION PRESSURE (PSIG)	120	120	122	124	126	130	134	139
		SUCTION TEMPERATURE (°F)	52	53	54	56	56	57	59	60
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	7.5	8.0	8.9	10.3	12.0	14.1	16.6	19.6
		COMPRESSOR CURRENT (A)	6.8	7.2	8.1	9.3	11.0	13.1	15.7	18.6
	INDOOR COIL DB TEMP DROP (°F)	22	22	21	20	20	19	18	18	
	1400	LIQUID PRESSURE (PSIG)	191	218	256	305	364	433	513	604
		LIQUID TEMPERATURE (°F)	56	64	73	84	96	106	116	126
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	17	20	23
		SUCTION PRESSURE (PSIG)	124	124	126	128	130	134	138	143
		SUCTION TEMPERATURE (°F)	54	55	55	57	58	59	60	61
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	7.3	7.8	8.7	10.1	11.8	13.9	16.4	19.4
		COMPRESSOR CURRENT (A)	6.7	7.1	8.0	9.2	10.9	13.0	15.6	18.5
	INDOOR COIL DB TEMP DROP (°F)	20	20	19	18	18	17	16	16	

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## YCS36B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1000	LIQUID PRESSURE (PSIG)	193	221	259	306	363	430	506	592
		LIQUID TEMPERATURE (°F)	57	65	74	85	96	106	116	126
		LIQUID SUBCOOLING (°F)	11	11	12	13	14	16	19	22
		SUCTION PRESSURE (PSIG)	108	109	111	114	117	122	128	135
		SUCTION TEMPERATURE (°F)	46	48	50	51	52	55	57	59
		SUCTION SUPERHEAT (°F)	11	12	13	13	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	7.5	8.1	9.1	10.4	12.0	14.0	16.3	19.0
		COMPRESSOR CURRENT (A)	6.9	7.3	8.2	9.4	11.0	13.0	15.3	18.0
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	28	27	26	24	
	1200	LIQUID PRESSURE (PSIG)	191	219	257	304	361	428	504	590
		LIQUID TEMPERATURE (°F)	57	65	75	85	96	107	117	126
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	15	18	21
		SUCTION PRESSURE (PSIG)	114	115	117	120	123	128	134	141
		SUCTION TEMPERATURE (°F)	49	51	52	54	55	57	60	61
		SUCTION SUPERHEAT (°F)	11	12	13	13	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	7.4	8.0	9.0	10.3	11.9	13.9	16.2	18.9
		COMPRESSOR CURRENT (A)	6.8	7.2	8.1	9.3	10.9	12.9	15.2	17.9
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23	21	
	1400	LIQUID PRESSURE (PSIG)	189	217	255	302	359	426	502	588
		LIQUID TEMPERATURE (°F)	57	66	75	86	97	108	117	127
		LIQUID SUBCOOLING (°F)	9	9	10	11	12	14	17	20
		SUCTION PRESSURE (PSIG)	120	121	123	126	129	134	140	147
		SUCTION TEMPERATURE (°F)	52	53	55	56	58	60	62	64
		SUCTION SUPERHEAT (°F)	11	12	13	13	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	7.3	7.9	8.9	10.2	11.8	13.8	16.1	18.8
		COMPRESSOR CURRENT (A)	6.7	7.1	8.0	9.2	10.8	12.8	15.1	17.8
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20	18	
	80/62	1000	LIQUID PRESSURE (PSIG)	198	225	262	309	368	436	515
LIQUID TEMPERATURE (°F)			58	67	76	86	97	107	118	128
LIQUID SUBCOOLING (°F)			11	10	11	12	14	16	18	22
SUCTION PRESSURE (PSIG)			117	117	119	121	124	127	132	137
SUCTION TEMPERATURE (°F)			51	51	52	53	56	57	59	61
SUCTION SUPERHEAT (°F)			12	12	12	12	13	13	13	13
OUTDOOR UNIT CURRENT (A)			7.7	8.2	9.1	10.4	12.1	14.2	16.6	19.5
COMPRESSOR CURRENT (A)			6.9	7.4	8.2	9.4	11.1	13.2	15.7	18.6
INDOOR COIL DB TEMP DROP (°F)		28	27	27	26	25	24	24	23	
1200		LIQUID PRESSURE (PSIG)	194	221	258	305	364	432	511	601
		LIQUID TEMPERATURE (°F)	57	66	75	85	96	107	118	127
		LIQUID SUBCOOLING (°F)	11	10	11	12	14	16	18	22
		SUCTION PRESSURE (PSIG)	121	121	123	125	128	131	136	141
		SUCTION TEMPERATURE (°F)	53	53	54	55	57	58	60	62
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	7.5	8.0	8.9	10.2	11.9	14.0	16.4	19.3
		COMPRESSOR CURRENT (A)	6.7	7.2	8.0	9.2	10.9	13.0	15.5	18.4
INDOOR COIL DB TEMP DROP (°F)		26	25	25	24	23	22	22	21	
1400		LIQUID PRESSURE (PSIG)	190	217	254	301	360	428	507	597
		LIQUID TEMPERATURE (°F)	57	66	75	85	96	107	118	127
		LIQUID SUBCOOLING (°F)	10	9	10	11	13	15	17	21
		SUCTION PRESSURE (PSIG)	125	125	127	129	132	135	140	145
		SUCTION TEMPERATURE (°F)	55	55	56	57	59	60	62	64
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	7.3	7.8	8.7	10.0	11.7	13.8	16.2	19.1
		COMPRESSOR CURRENT (A)	6.5	7.0	7.8	9.0	10.7	12.8	15.3	18.2
INDOOR COIL DB TEMP DROP (°F)		24	23	23	22	21	20	20	19	

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## YCS36B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1000	LIQUID PRESSURE (PSIG)	198	225	261	308	364	429	505	590
		LIQUID TEMPERATURE (°F)	57	66	76	86	97	107	118	127
		LIQUID SUBCOOLING (°F)	12	11	11	12	13	15	17	20
		SUCTION PRESSURE (PSIG)	125	128	131	134	137	141	144	147
		SUCTION TEMPERATURE (°F)	61	59	57	58	58	58	61	63
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	9	10	11
		OUTDOOR UNIT CURRENT (A)	7.6	8.1	9.0	10.2	11.8	13.7	16.0	18.7
		COMPRESSOR CURRENT (A)	6.7	7.2	8.1	9.3	10.9	12.8	15.2	17.8
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	22	21	21	20	
	1200	LIQUID PRESSURE (PSIG)	197	224	260	307	363	428	504	589
		LIQUID TEMPERATURE (°F)	57	66	76	86	97	107	118	127
		LIQUID SUBCOOLING (°F)	12	11	11	12	13	15	17	20
		SUCTION PRESSURE (PSIG)	128	131	134	137	140	144	147	150
		SUCTION TEMPERATURE (°F)	62	60	59	59	59	60	62	64
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	9	10	11
		OUTDOOR UNIT CURRENT (A)	7.5	8.0	8.9	10.1	11.7	13.6	15.9	18.6
		COMPRESSOR CURRENT (A)	6.6	7.1	8.0	9.2	10.8	12.7	15.1	17.7
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	20	20	19	19	18	
	1400	LIQUID PRESSURE (PSIG)	196	223	259	306	362	427	503	588
		LIQUID TEMPERATURE (°F)	57	66	75	86	96	107	117	127
		LIQUID SUBCOOLING (°F)	12	11	11	12	13	15	17	20
		SUCTION PRESSURE (PSIG)	131	134	137	140	143	147	150	153
		SUCTION TEMPERATURE (°F)	63	62	60	60	60	61	63	65
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	9	10	11
		OUTDOOR UNIT CURRENT (A)	7.4	7.9	8.8	10.0	11.6	13.5	15.8	18.5
		COMPRESSOR CURRENT (A)	6.5	7.0	7.9	9.1	10.7	12.6	15.0	17.6
	INDOOR COIL DB TEMP DROP (°F)	19	19	19	18	18	17	17	16	
	80/72	1000	LIQUID PRESSURE (PSIG)	201	228	264	309	364	428	501
LIQUID TEMPERATURE (°F)			57	66	77	87	98	108	118	127
LIQUID SUBCOOLING (°F)			13	12	11	11	12	14	16	19
SUCTION PRESSURE (PSIG)			127	134	141	147	151	155	157	159
SUCTION TEMPERATURE (°F)			67	64	62	61	60	62	63	66
SUCTION SUPERHEAT (°F)			23	17	13	9	7	7	8	10
OUTDOOR UNIT CURRENT (A)			7.5	8.0	8.9	10.1	11.6	13.5	15.7	18.2
COMPRESSOR CURRENT (A)			6.6	7.1	8.0	9.2	10.7	12.6	14.8	17.3
INDOOR COIL DB TEMP DROP (°F)		18	18	18	18	18	17	17	16	
1200		LIQUID PRESSURE (PSIG)	201	228	264	309	364	428	501	583
		LIQUID TEMPERATURE (°F)	57	66	77	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	13	12	11	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	130	137	144	150	154	158	160	162
		SUCTION TEMPERATURE (°F)	69	66	65	63	62	64	66	68
		SUCTION SUPERHEAT (°F)	24	18	14	10	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	7.5	8.0	8.9	10.1	11.6	13.5	15.7	18.2
		COMPRESSOR CURRENT (A)	6.6	7.1	8.0	9.2	10.7	12.6	14.8	17.3
INDOOR COIL DB TEMP DROP (°F)		16	16	16	16	16	15	15	14	
1400		LIQUID PRESSURE (PSIG)	201	228	264	309	364	428	501	583
		LIQUID TEMPERATURE (°F)	57	66	77	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	13	12	11	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	133	140	147	153	157	161	163	165
		SUCTION TEMPERATURE (°F)	71	68	67	65	64	66	68	70
		SUCTION SUPERHEAT (°F)	25	19	15	11	9	9	10	12
		OUTDOOR UNIT CURRENT (A)	7.5	8.0	8.9	10.1	11.6	13.5	15.7	18.2
		COMPRESSOR CURRENT (A)	6.6	7.1	8.0	9.2	10.7	12.6	14.8	17.3
INDOOR COIL DB TEMP DROP (°F)		14	14	14	14	14	13	13	12	

FOR USE WITH MODELS:

- YCS36B22S
- TW4B3622S
- RAW14L36B23S
- QW4B36B22S

YCS36B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	190(5)	192(7)	194(7)	196(8)
60	203(5)	205(7)	207(7)	210(8)
65	218(6)	220(7)	223(7)	225(8)
70	235(6)	237(7)	240(7)	243(8)
75	254(6)	256(7)	259(7)	262(8)
80	275(7)	277(7)	281(7)	283(8)
85	297(7)	299(8)	303(8)	306(9)
90	322(8)	324(8)	327(9)	331(9)
95	348(9)	350(9)	353(9)	357(10)
100	377(10)	378(10)	382(10)	386(11)
105	407(10)	408(11)	412(11)	416(12)
110	439(11)	440(12)	444(12)	449(13)
115	473(13)	473(13)	478(13)	483(14)
120	509(14)	508(14)	514(15)	519(15)
125	547(15)	546(15)	552(16)	557(17)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

YCS36B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	192	220	256	300	352	411	478	546
		LIQUID TEMPERATURE (°F)	60	69	78	88	97	108	116	126
		LIQUID SUBCOOLING (°F)	7	7	7	8	10	11	14	15
		SUCTION PRESSURE (PSIG)	118	120	122	124	127	129	131	134
		SUCTION TEMPERATURE (°F)	51	52	53	54	55	56	57	60
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	9.0	10.1	11.4	12.9	14.7	16.6
		COMPRESSOR CURRENT (A)	6.4	7.1	8.0	9.1	10.4	12.0	13.7	15.6
	INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	23	23	22	21	
	1200	LIQUID PRESSURE (PSIG)	192	220	256	300	352	411	478	546
		LIQUID TEMPERATURE (°F)	60	69	78	88	97	108	116	126
		LIQUID SUBCOOLING (°F)	7	7	7	8	10	11	14	15
		SUCTION PRESSURE (PSIG)	121	123	125	127	130	132	134	137
		SUCTION TEMPERATURE (°F)	52	53	54	55	56	57	59	61
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	9.0	10.1	11.4	12.9	14.7	16.6
		COMPRESSOR CURRENT (A)	6.4	7.1	8.0	9.1	10.4	12.0	13.7	15.6
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	21	21	20	19	
	1400	LIQUID PRESSURE (PSIG)	192	220	256	300	352	411	478	546
		LIQUID TEMPERATURE (°F)	60	69	78	88	97	108	116	126
		LIQUID SUBCOOLING (°F)	7	7	7	8	10	11	14	15
		SUCTION PRESSURE (PSIG)	124	126	128	130	133	135	137	140
		SUCTION TEMPERATURE (°F)	54	54	55	56	57	58	60	62
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	12	13
OUTDOOR UNIT CURRENT (A)		7.4	8.1	9.0	10.1	11.4	12.9	14.7	16.6	
COMPRESSOR CURRENT (A)		6.4	7.1	8.0	9.1	10.4	12.0	13.7	15.6	
INDOOR COIL DB TEMP DROP (°F)	21	21	21	20	19	19	18	17		

Continued on next page.



## YCS36B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1000	LIQUID PRESSURE (PSIG)	189	217	253	296	347	406	472	546
		LIQUID TEMPERATURE (°F)	60	68	78	87	96	107	115	125
		LIQUID SUBCOOLING (°F)	6	7	7	8	10	11	14	16
		SUCTION PRESSURE (PSIG)	110	113	116	119	122	126	130	134
		SUCTION TEMPERATURE (°F)	48	49	50	51	53	55	57	60
		SUCTION SUPERHEAT (°F)	12	11	11	11	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	7.3	8.0	8.9	10.0	11.3	12.8	14.5	16.3
		COMPRESSOR CURRENT (A)	6.3	7.0	7.9	9.0	10.3	11.8	13.5	15.4
	INDOOR COIL DB TEMP DROP (°F)	33	32	31	30	29	28	26	25	
	1200	LIQUID PRESSURE (PSIG)	190	218	254	297	348	407	473	547
		LIQUID TEMPERATURE (°F)	62	69	79	88	98	108	117	126
		LIQUID SUBCOOLING (°F)	5	6	6	7	9	10	13	15
		SUCTION PRESSURE (PSIG)	116	119	122	125	128	132	136	140
		SUCTION TEMPERATURE (°F)	51	51	53	54	55	58	59	62
		SUCTION SUPERHEAT (°F)	12	11	11	11	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	7.3	8.0	8.9	10.0	11.3	12.8	14.5	16.3
		COMPRESSOR CURRENT (A)	6.3	7.0	7.9	9.0	10.3	11.8	13.5	15.4
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	23	22	
	1400	LIQUID PRESSURE (PSIG)	191	219	255	298	349	408	474	548
		LIQUID TEMPERATURE (°F)	63	70	80	90	99	109	118	127
		LIQUID SUBCOOLING (°F)	4	5	5	6	8	9	12	14
		SUCTION PRESSURE (PSIG)	122	125	128	131	134	138	142	146
		SUCTION TEMPERATURE (°F)	54	54	55	56	58	60	62	64
		SUCTION SUPERHEAT (°F)	12	11	11	11	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	7.3	8.0	8.9	10.0	11.3	12.8	14.5	16.3
		COMPRESSOR CURRENT (A)	6.3	7.0	7.9	9.0	10.3	11.8	13.5	15.4
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	20	19	
	80/62	1000	LIQUID PRESSURE (PSIG)	192	220	256	299	350	408	473
LIQUID TEMPERATURE (°F)			60	69	78	88	98	107	117	126
LIQUID SUBCOOLING (°F)			7	7	7	8	9	11	13	15
SUCTION PRESSURE (PSIG)			115	117	120	122	125	128	132	135
SUCTION TEMPERATURE (°F)			51	50	52	53	54	55	58	60
SUCTION SUPERHEAT (°F)			12	11	11	11	11	11	12	13
OUTDOOR UNIT CURRENT (A)			7.5	8.2	9.1	10.1	11.4	12.9	14.5	16.3
COMPRESSOR CURRENT (A)			6.4	7.2	8.1	9.1	10.4	11.9	13.5	15.3
INDOOR COIL DB TEMP DROP (°F)		30	30	29	28	27	26	25	24	
1200		LIQUID PRESSURE (PSIG)	192	220	256	299	350	408	473	546
		LIQUID TEMPERATURE (°F)	60	69	78	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	7	7	7	8	9	11	13	15
		SUCTION PRESSURE (PSIG)	120	122	125	127	130	133	137	140
		SUCTION TEMPERATURE (°F)	53	53	54	55	56	57	60	62
		SUCTION SUPERHEAT (°F)	12	11	11	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	7.5	8.2	9.1	10.1	11.4	12.9	14.5	16.3
		COMPRESSOR CURRENT (A)	6.4	7.2	8.1	9.1	10.4	11.9	13.5	15.3
INDOOR COIL DB TEMP DROP (°F)		28	28	27	26	25	24	23	22	
1400		LIQUID PRESSURE (PSIG)	192	220	256	299	350	408	473	546
		LIQUID TEMPERATURE (°F)	60	69	78	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	7	7	7	8	9	11	13	15
		SUCTION PRESSURE (PSIG)	125	127	130	132	135	138	142	145
		SUCTION TEMPERATURE (°F)	55	55	56	57	58	59	62	64
		SUCTION SUPERHEAT (°F)	12	11	11	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	7.5	8.2	9.1	10.1	11.4	12.9	14.5	16.3
		COMPRESSOR CURRENT (A)	6.4	7.2	8.1	9.1	10.4	11.9	13.5	15.3
INDOOR COIL DB TEMP DROP (°F)		26	26	25	24	23	22	21	20	

Continued on next page.

## YCS36B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1000	LIQUID PRESSURE (PSIG)	194	223	259	302	353	412	478	552
		LIQUID TEMPERATURE (°F)	61	70	79	89	99	108	117	126
		LIQUID SUBCOOLING (°F)	7	7	7	8	9	11	13	16
		SUCTION PRESSURE (PSIG)	128	130	132	135	137	140	143	146
		SUCTION TEMPERATURE (°F)	56	56	57	57	58	59	61	63
		SUCTION SUPERHEAT (°F)	12	11	11	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	7.4	8.0	8.9	10.0	11.3	12.8	14.6	16.5
		COMPRESSOR CURRENT (A)	6.3	7.0	7.9	9.0	10.4	11.9	13.6	15.5
	INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	23	23	22	21	
	1200	LIQUID PRESSURE (PSIG)	194	223	259	302	353	412	478	552
		LIQUID TEMPERATURE (°F)	61	70	79	89	99	108	117	126
		LIQUID SUBCOOLING (°F)	7	7	7	8	9	11	13	16
		SUCTION PRESSURE (PSIG)	131	133	135	138	140	143	146	149
		SUCTION TEMPERATURE (°F)	58	58	59	59	60	61	63	66
		SUCTION SUPERHEAT (°F)	13	12	12	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	7.4	8.0	8.9	10.0	11.3	12.8	14.6	16.5
		COMPRESSOR CURRENT (A)	6.3	7.0	7.9	9.0	10.4	11.9	13.6	15.5
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	21	21	20	19	
	1400	LIQUID PRESSURE (PSIG)	194	223	259	302	353	412	478	552
		LIQUID TEMPERATURE (°F)	61	70	79	89	99	108	117	126
		LIQUID SUBCOOLING (°F)	7	7	7	8	9	11	13	16
		SUCTION PRESSURE (PSIG)	134	136	138	141	143	146	149	152
		SUCTION TEMPERATURE (°F)	61	60	61	61	62	63	66	68
		SUCTION SUPERHEAT (°F)	14	13	13	12	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.4	8.0	8.9	10.0	11.3	12.8	14.6	16.5
		COMPRESSOR CURRENT (A)	6.3	7.0	7.9	9.0	10.4	11.9	13.6	15.5
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	20	19	19	18	17	
	80/72	1000	LIQUID PRESSURE (PSIG)	195	224	261	305	356	415	482
LIQUID TEMPERATURE (°F)			60	69	79	88	98	108	117	126
LIQUID SUBCOOLING (°F)			8	8	8	9	10	12	14	17
SUCTION PRESSURE (PSIG)			137	141	144	147	150	153	155	158
SUCTION TEMPERATURE (°F)			64	63	64	64	65	66	67	69
SUCTION SUPERHEAT (°F)			16	14	13	12	12	12	12	13
OUTDOOR UNIT CURRENT (A)			7.2	8.0	8.9	10.1	11.4	12.9	14.6	16.5
COMPRESSOR CURRENT (A)			6.2	6.9	7.9	9.0	10.4	11.9	13.6	15.5
INDOOR COIL DB TEMP DROP (°F)		20	19	19	19	18	18	17	16	
1200		LIQUID PRESSURE (PSIG)	196	225	262	306	357	416	483	557
		LIQUID TEMPERATURE (°F)	61	69	79	89	98	108	117	126
		LIQUID SUBCOOLING (°F)	8	8	8	9	10	12	14	17
		SUCTION PRESSURE (PSIG)	140	144	147	150	153	156	158	161
		SUCTION TEMPERATURE (°F)	66	66	66	66	67	68	69	71
		SUCTION SUPERHEAT (°F)	17	15	14	13	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	7.2	8.0	8.9	10.1	11.4	12.9	14.6	16.5
		COMPRESSOR CURRENT (A)	6.2	6.9	7.9	9.0	10.4	11.9	13.6	15.5
INDOOR COIL DB TEMP DROP (°F)		18	17	17	17	16	16	15	14	
1400		LIQUID PRESSURE (PSIG)	197	226	263	307	358	417	484	558
		LIQUID TEMPERATURE (°F)	61	69	79	89	99	108	117	126
		LIQUID SUBCOOLING (°F)	8	8	8	9	10	12	14	17
		SUCTION PRESSURE (PSIG)	143	147	150	153	156	159	161	164
		SUCTION TEMPERATURE (°F)	68	68	68	68	69	70	71	73
		SUCTION SUPERHEAT (°F)	18	16	15	14	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	7.2	8.0	8.9	10.1	11.4	12.9	14.6	16.5
		COMPRESSOR CURRENT (A)	6.2	6.9	7.9	9.0	10.4	11.9	13.6	15.5
INDOOR COIL DB TEMP DROP (°F)		16	15	15	15	14	14	13	12	

FOR USE WITH MODELS:

- YCS42B21S
- TW4B4221S
- RAW14L42B21S
- QW4B42B21S

YCS42B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	185(4)	188(6)	190(7)	193(9)
60	198(5)	201(6)	204(8)	206(9)
65	213(6)	218(7)	220(8)	221(8)
70	231(7)	236(8)	239(8)	238(8)
75	251(8)	257(9)	259(8)	258(8)
80	274(9)	279(10)	281(9)	279(8)
85	299(10)	304(11)	306(9)	302(8)
90	326(11)	331(12)	332(10)	328(8)
95	356(12)	361(12)	360(11)	355(9)
100	389(13)	392(13)	391(11)	385(9)
105	423(14)	426(14)	423(12)	416(10)
110	461(15)	462(15)	457(13)	450(11)
115	500(16)	500(16)	494(14)	486(12)
120	542(17)	541(17)	532(15)	524(13)
125	587(18)	583(18)	573(16)	563(14)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

YCS42B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	195	223	260	308	366	434	512	601
		LIQUID TEMPERATURE (°F)	61	69	77	87	97	108	119	130
		LIQUID SUBCOOLING (°F)	7	8	10	11	13	15	17	19
		SUCTION PRESSURE (PSIG)	118	121	124	127	129	132	134	136
		SUCTION TEMPERATURE (°F)	55	53	53	52	52	53	55	57
		SUCTION SUPERHEAT (°F)	15	12	10	8	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	8.2	8.7	9.7	10.9	12.6	14.6	17.0	19.7
		COMPRESSOR CURRENT (A)	7.2	7.8	8.7	10.0	11.6	13.6	16.0	18.8
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	23	22	21	20	
	1400	LIQUID PRESSURE (PSIG)	187	215	252	300	358	426	504	593
		LIQUID TEMPERATURE (°F)	60	67	75	86	97	108	119	130
		LIQUID SUBCOOLING (°F)	6	7	9	10	12	14	16	18
		SUCTION PRESSURE (PSIG)	120	123	126	129	131	134	136	138
		SUCTION TEMPERATURE (°F)	57	55	54	54	53	55	56	59
		SUCTION SUPERHEAT (°F)	16	13	11	9	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	7.9	8.4	9.4	10.6	12.3	14.3	16.7	19.4
		COMPRESSOR CURRENT (A)	6.9	7.5	8.4	9.7	11.3	13.3	15.7	18.5
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	21	20	19	18	
	1600	LIQUID PRESSURE (PSIG)	179	207	244	292	350	418	496	585
		LIQUID TEMPERATURE (°F)	59	67	75	86	97	108	119	131
		LIQUID SUBCOOLING (°F)	4	5	7	8	10	12	14	16
		SUCTION PRESSURE (PSIG)	122	125	128	131	133	136	138	140
		SUCTION TEMPERATURE (°F)	59	57	56	55	55	56	58	61
		SUCTION SUPERHEAT (°F)	17	14	12	10	9	9	10	12
OUTDOOR UNIT CURRENT (A)		7.6	8.1	9.1	10.3	12.0	14.0	16.4	19.1	
COMPRESSOR CURRENT (A)		6.6	7.2	8.1	9.4	11.0	13.0	15.4	18.2	
INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	19	18	17	16		

Continued on next page.

## YCS42B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1200	LIQUID PRESSURE (PSIG)	195	223	261	309	366	433	510	597
		LIQUID TEMPERATURE (°F)	62	69	77	86	96	107	118	128
		LIQUID SUBCOOLING (°F)	6	8	10	12	14	16	18	20
		SUCTION PRESSURE (PSIG)	112	116	119	123	127	130	134	137
		SUCTION TEMPERATURE (°F)	51	50	49	49	50	51	54	57
		SUCTION SUPERHEAT (°F)	14	11	9	7	6	6	7	9
		OUTDOOR UNIT CURRENT (A)	8.2	8.8	9.7	11.0	12.6	14.6	17.0	19.7
		COMPRESSOR CURRENT (A)	7.3	7.9	8.8	10.1	11.7	13.7	16.0	18.7
	INDOOR COIL DB TEMP DROP (°F)	30	30	29	28	28	27	25	24	
	1400	LIQUID PRESSURE (PSIG)	185	213	251	299	356	423	500	587
		LIQUID TEMPERATURE (°F)	61	68	76	86	96	107	118	129
		LIQUID SUBCOOLING (°F)	4	6	8	10	12	14	16	18
		SUCTION PRESSURE (PSIG)	116	120	123	127	131	134	138	141
		SUCTION TEMPERATURE (°F)	55	54	53	53	53	55	57	60
		SUCTION SUPERHEAT (°F)	16	13	11	9	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	7.8	8.4	9.3	10.6	12.2	14.2	16.6	19.3
		COMPRESSOR CURRENT (A)	6.9	7.5	8.4	9.7	11.3	13.3	15.6	18.3
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	25	24	22	21	
	1600	LIQUID PRESSURE (PSIG)	175	203	241	289	346	413	490	577
		LIQUID TEMPERATURE (°F)	60	67	76	86	96	107	118	130
		LIQUID SUBCOOLING (°F)	2	4	6	8	10	12	14	16
		SUCTION PRESSURE (PSIG)	120	124	127	131	135	138	142	145
		SUCTION TEMPERATURE (°F)	59	58	57	56	57	58	61	64
		SUCTION SUPERHEAT (°F)	18	15	13	11	10	10	11	13
		OUTDOOR UNIT CURRENT (A)	7.4	8.0	8.9	10.2	11.8	13.8	16.2	18.9
		COMPRESSOR CURRENT (A)	6.5	7.1	8.0	9.3	10.9	12.9	15.2	17.9
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	22	21	19	18	
	80/62	1200	LIQUID PRESSURE (PSIG)	195	225	264	311	368	433	507
LIQUID TEMPERATURE (°F)			60	68	77	86	97	107	117	127
LIQUID SUBCOOLING (°F)			8	9	11	13	14	16	18	20
SUCTION PRESSURE (PSIG)			118	121	124	127	130	133	136	139
SUCTION TEMPERATURE (°F)			54	51	50	48	48	49	51	54
SUCTION SUPERHEAT (°F)			14	10	7	4	3	3	4	5
OUTDOOR UNIT CURRENT (A)			8.1	8.7	9.7	11.0	12.6	14.5	16.7	19.3
COMPRESSOR CURRENT (A)			7.1	7.8	8.7	10.0	11.6	13.5	15.8	18.4
INDOOR COIL DB TEMP DROP (°F)		27	27	27	27	26	25	24	23	
1400		LIQUID PRESSURE (PSIG)	188	218	257	304	361	426	500	583
		LIQUID TEMPERATURE (°F)	60	68	77	86	97	108	118	128
		LIQUID SUBCOOLING (°F)	6	7	9	11	12	14	16	18
		SUCTION PRESSURE (PSIG)	121	124	127	130	133	136	139	142
		SUCTION TEMPERATURE (°F)	58	56	54	52	52	53	56	58
		SUCTION SUPERHEAT (°F)	17	13	10	7	6	6	7	8
		OUTDOOR UNIT CURRENT (A)	7.9	8.5	9.5	10.8	12.4	14.3	16.5	19.1
		COMPRESSOR CURRENT (A)	6.9	7.6	8.5	9.8	11.4	13.3	15.6	18.2
INDOOR COIL DB TEMP DROP (°F)		25	25	25	25	24	23	22	21	
1600		LIQUID PRESSURE (PSIG)	181	211	250	297	354	419	493	576
		LIQUID TEMPERATURE (°F)	60	68	77	86	98	108	119	129
		LIQUID SUBCOOLING (°F)	4	5	7	9	10	12	14	16
		SUCTION PRESSURE (PSIG)	124	127	130	133	136	139	142	145
		SUCTION TEMPERATURE (°F)	63	60	58	56	56	58	60	62
		SUCTION SUPERHEAT (°F)	20	16	13	10	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	7.7	8.3	9.3	10.6	12.2	14.1	16.3	18.9
		COMPRESSOR CURRENT (A)	6.7	7.4	8.3	9.6	11.2	13.1	15.4	18.0
INDOOR COIL DB TEMP DROP (°F)		23	23	23	23	22	21	20	19	

Continued on next page.

## YCS42B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1200	LIQUID PRESSURE (PSIG)	194	224	263	310	364	427	498	577
		LIQUID TEMPERATURE (°F)	60	68	78	88	98	109	119	129
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	13	15	17
		SUCTION PRESSURE (PSIG)	125	131	136	140	143	146	148	149
		SUCTION TEMPERATURE (°F)	64	60	58	57	56	57	58	61
		SUCTION SUPERHEAT (°F)	21	15	11	8	6	6	6	8
		OUTDOOR UNIT CURRENT (A)	8.0	8.7	9.6	10.9	12.4	14.2	16.3	18.7
		COMPRESSOR CURRENT (A)	7.1	7.7	8.7	9.9	11.4	13.2	15.3	17.7
	INDOOR COIL DB TEMP DROP (°F)	22	23	23	23	23	22	21	20	
	1400	LIQUID PRESSURE (PSIG)	190	220	259	306	360	423	494	573
		LIQUID TEMPERATURE (°F)	60	68	78	89	98	109	119	129
		LIQUID SUBCOOLING (°F)	7	8	8	9	11	12	14	16
		SUCTION PRESSURE (PSIG)	126	132	137	141	144	147	149	150
		SUCTION TEMPERATURE (°F)	66	63	61	59	59	60	61	63
		SUCTION SUPERHEAT (°F)	23	17	13	10	8	8	8	10
		OUTDOOR UNIT CURRENT (A)	7.9	8.6	9.5	10.8	12.3	14.1	16.2	18.6
		COMPRESSOR CURRENT (A)	7.0	7.6	8.6	9.8	11.3	13.1	15.2	17.6
	INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	21	20	19	18	
	1600	LIQUID PRESSURE (PSIG)	186	216	255	302	356	419	490	569
		LIQUID TEMPERATURE (°F)	59	68	78	89	98	109	119	129
		LIQUID SUBCOOLING (°F)	6	7	7	8	10	11	13	15
		SUCTION PRESSURE (PSIG)	127	133	138	142	145	148	150	151
		SUCTION TEMPERATURE (°F)	69	65	63	62	61	62	63	65
		SUCTION SUPERHEAT (°F)	25	19	15	12	10	10	10	12
		OUTDOOR UNIT CURRENT (A)	7.8	8.5	9.4	10.7	12.2	14.0	16.1	18.5
		COMPRESSOR CURRENT (A)	6.9	7.5	8.5	9.7	11.2	13.0	15.1	17.5
	INDOOR COIL DB TEMP DROP (°F)	18	19	19	19	19	18	17	16	
	80/72	1200	LIQUID PRESSURE (PSIG)	195	223	260	304	357	418	488
LIQUID TEMPERATURE (°F)			58	68	78	88	98	109	119	129
LIQUID SUBCOOLING (°F)			10	9	9	9	10	11	13	15
SUCTION PRESSURE (PSIG)			128	138	146	152	157	161	163	163
SUCTION TEMPERATURE (°F)			70	67	65	64	63	63	65	66
SUCTION SUPERHEAT (°F)			26	19	14	10	8	6	7	8
OUTDOOR UNIT CURRENT (A)			8.1	8.7	9.6	10.8	12.2	14.0	16.0	18.3
COMPRESSOR CURRENT (A)			7.1	7.7	8.6	9.8	11.3	13.0	15.0	17.3
INDOOR COIL DB TEMP DROP (°F)		17	18	18	18	18	17	17	16	
1400		LIQUID PRESSURE (PSIG)	193	221	258	302	355	416	486	563
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	110	120	130
		LIQUID SUBCOOLING (°F)	9	8	8	8	9	10	12	14
		SUCTION PRESSURE (PSIG)	128	138	146	152	157	161	163	163
		SUCTION TEMPERATURE (°F)	72	69	67	66	65	65	67	68
		SUCTION SUPERHEAT (°F)	28	21	16	12	10	8	9	10
		OUTDOOR UNIT CURRENT (A)	8.0	8.6	9.5	10.7	12.1	13.9	15.9	18.2
		COMPRESSOR CURRENT (A)	7.0	7.6	8.5	9.7	11.2	12.9	14.9	17.2
INDOOR COIL DB TEMP DROP (°F)		15	16	16	16	16	15	15	14	
1600		LIQUID PRESSURE (PSIG)	191	219	256	300	353	414	484	561
		LIQUID TEMPERATURE (°F)	59	68	78	89	100	110	120	130
		LIQUID SUBCOOLING (°F)	8	7	7	7	8	9	11	13
		SUCTION PRESSURE (PSIG)	128	138	146	152	157	161	163	163
		SUCTION TEMPERATURE (°F)	74	71	69	68	67	67	69	70
		SUCTION SUPERHEAT (°F)	30	23	18	14	12	10	11	12
		OUTDOOR UNIT CURRENT (A)	7.9	8.5	9.4	10.6	12.0	13.8	15.8	18.1
		COMPRESSOR CURRENT (A)	6.9	7.5	8.4	9.6	11.1	12.8	14.8	17.1
INDOOR COIL DB TEMP DROP (°F)		13	14	14	14	14	13	13	12	

FOR USE WITH MODELS:

- YCS48B21S
- TW4B4821S
- RAW14L48B21S
- QW4B48B21S

YCS48B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	196(10)	199(12)	204(13)	207(15)
60	210(10)	213(11)	217(13)	221(14)
65	226(10)	229(11)	233(12)	238(13)
70	244(9)	248(10)	251(12)	256(13)
75	265(10)	268(10)	271(11)	276(12)
80	288(10)	291(11)	294(11)	298(12)
85	313(10)	316(11)	318(12)	322(12)
90	340(11)	343(12)	345(12)	348(13)
95	370(12)	373(12)	374(13)	376(13)
100	401(13)	405(13)	405(13)	406(13)
105	435(14)	439(15)	438(14)	438(14)
110	471(16)	475(16)	474(16)	472(15)
115	509(17)	514(18)	511(17)	507(16)
120	549(19)	555(20)	551(19)	545(18)
125	591(21)	598(22)	593(21)	585(19)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

YCS48B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1400	LIQUID PRESSURE (PSIG)	201	229	267	315	373	440	518	605
		LIQUID TEMPERATURE (°F)	58	67	78	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	110	116	120	124	128	131	133	135
		SUCTION TEMPERATURE (°F)	60	57	54	53	52	52	54	57
		SUCTION SUPERHEAT (°F)	24	18	13	10	8	7	8	10
		OUTDOOR UNIT CURRENT (A)	9.5	10.2	11.5	13.2	15.4	18.2	21.4	25.1
		COMPRESSOR CURRENT (A)	8.5	9.2	10.5	12.2	14.4	17.2	20.4	24.1
	INDOOR COIL DB TEMP DROP (°F)	23	23	24	24	23	23	22	21	
	1600	LIQUID PRESSURE (PSIG)	200	228	266	314	372	439	517	604
		LIQUID TEMPERATURE (°F)	58	67	78	88	98	109	119	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	112	118	122	126	130	133	135	137
		SUCTION TEMPERATURE (°F)	62	59	56	54	54	54	56	59
		SUCTION SUPERHEAT (°F)	25	19	14	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	9.5	10.2	11.5	13.2	15.4	18.2	21.4	25.1
		COMPRESSOR CURRENT (A)	8.5	9.2	10.5	12.2	14.4	17.2	20.4	24.1
	INDOOR COIL DB TEMP DROP (°F)	21	21	22	22	21	21	20	19	
	1800	LIQUID PRESSURE (PSIG)	199	227	265	313	371	438	516	603
		LIQUID TEMPERATURE (°F)	57	67	78	88	98	109	119	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	13	15	18	22
		SUCTION PRESSURE (PSIG)	114	120	124	128	132	135	137	139
		SUCTION TEMPERATURE (°F)	64	61	58	56	56	56	58	61
		SUCTION SUPERHEAT (°F)	26	20	15	12	10	9	10	12
OUTDOOR UNIT CURRENT (A)		9.5	10.2	11.5	13.2	15.4	18.2	21.4	25.1	
COMPRESSOR CURRENT (A)		8.5	9.2	10.5	12.2	14.4	17.2	20.4	24.1	
INDOOR COIL DB TEMP DROP (°F)	19	19	20	20	19	19	18	17		

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## YCS48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1400	LIQUID PRESSURE (PSIG)	197	227	266	314	371	436	510	592
		LIQUID TEMPERATURE (°F)	59	68	78	89	99	109	119	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	104	109	114	118	123	127	131	135
		SUCTION TEMPERATURE (°F)	58	55	52	50	50	51	53	57
		SUCTION SUPERHEAT (°F)	25	19	14	10	8	7	8	10
		OUTDOOR UNIT CURRENT (A)	9.4	10.3	11.6	13.3	15.4	18.0	21.1	24.6
		COMPRESSOR CURRENT (A)	8.4	9.3	10.5	12.3	14.5	17.1	20.1	23.6
	INDOOR COIL DB TEMP DROP (°F)	29	30	29	29	28	27	26	24	
	1600	LIQUID PRESSURE (PSIG)	196	226	265	313	370	435	509	591
		LIQUID TEMPERATURE (°F)	59	67	78	89	99	109	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	108	113	118	122	127	131	135	139
		SUCTION TEMPERATURE (°F)	61	58	55	53	53	53	56	60
		SUCTION SUPERHEAT (°F)	26	20	15	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	9.3	10.2	11.5	13.2	15.3	17.9	21.0	24.5
		COMPRESSOR CURRENT (A)	8.3	9.2	10.4	12.2	14.4	17.0	20.0	23.5
	INDOOR COIL DB TEMP DROP (°F)	27	28	27	27	26	25	24	22	
	1800	LIQUID PRESSURE (PSIG)	195	225	264	312	369	434	508	590
		LIQUID TEMPERATURE (°F)	58	67	78	89	99	109	118	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	12	14	17	21
		SUCTION PRESSURE (PSIG)	112	117	122	126	131	135	139	143
		SUCTION TEMPERATURE (°F)	64	60	58	55	55	56	59	62
		SUCTION SUPERHEAT (°F)	27	21	16	12	10	9	10	12
OUTDOOR UNIT CURRENT (A)		9.2	10.1	11.4	13.1	15.2	17.8	20.9	24.4	
COMPRESSOR CURRENT (A)		8.2	9.1	10.3	12.1	14.3	16.9	19.9	23.4	
INDOOR COIL DB TEMP DROP (°F)	25	26	25	25	24	23	22	20		
80/62	1400	LIQUID PRESSURE (PSIG)	200	230	269	317	374	440	515	599
		LIQUID TEMPERATURE (°F)	58	68	79	89	100	109	118	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	12	15	18	22
		SUCTION PRESSURE (PSIG)	112	116	121	124	128	131	134	137
		SUCTION TEMPERATURE (°F)	63	58	55	53	52	52	55	58
		SUCTION SUPERHEAT (°F)	26	19	14	10	8	7	8	10
		OUTDOOR UNIT CURRENT (A)	9.6	10.4	11.6	13.3	15.5	18.1	21.2	24.8
		COMPRESSOR CURRENT (A)	8.6	9.3	10.6	12.3	14.5	17.1	20.2	23.8
	INDOOR COIL DB TEMP DROP (°F)	26	27	27	28	27	27	25	24	
	1600	LIQUID PRESSURE (PSIG)	199	229	268	316	373	439	514	598
		LIQUID TEMPERATURE (°F)	57	67	79	89	100	109	118	127
		LIQUID SUBCOOLING (°F)	12	11	10	11	12	15	18	22
		SUCTION PRESSURE (PSIG)	114	118	123	126	130	133	136	139
		SUCTION TEMPERATURE (°F)	65	60	57	54	54	54	56	60
		SUCTION SUPERHEAT (°F)	27	20	15	11	9	8	9	11
		OUTDOOR UNIT CURRENT (A)	9.5	10.3	11.5	13.2	15.4	18.0	21.1	24.7
		COMPRESSOR CURRENT (A)	8.5	9.2	10.5	12.2	14.4	17.0	20.1	23.7
	INDOOR COIL DB TEMP DROP (°F)	24	25	25	26	25	25	23	22	
	1800	LIQUID PRESSURE (PSIG)	198	228	267	315	372	438	513	597
		LIQUID TEMPERATURE (°F)	57	67	78	89	99	109	118	126
		LIQUID SUBCOOLING (°F)	12	11	10	11	12	15	18	22
		SUCTION PRESSURE (PSIG)	116	120	125	128	132	135	138	141
		SUCTION TEMPERATURE (°F)	67	62	59	56	56	56	58	61
		SUCTION SUPERHEAT (°F)	28	21	16	12	10	9	10	12
OUTDOOR UNIT CURRENT (A)		9.4	10.2	11.4	13.1	15.3	17.9	21.0	24.6	
COMPRESSOR CURRENT (A)		8.4	9.1	10.4	12.1	14.3	16.9	20.0	23.6	
INDOOR COIL DB TEMP DROP (°F)	22	23	23	24	23	23	21	20		

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## YCS48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1400	LIQUID PRESSURE (PSIG)	205	234	272	319	375	439	512	594
		LIQUID TEMPERATURE (°F)	58	68	79	88	99	110	119	127
		LIQUID SUBCOOLING (°F)	13	12	11	12	13	14	17	21
		SUCTION PRESSURE (PSIG)	115	122	129	134	139	142	145	146
		SUCTION TEMPERATURE (°F)	69	65	62	60	59	59	60	61
		SUCTION SUPERHEAT (°F)	30	23	17	13	10	9	9	10
		OUTDOOR UNIT CURRENT (A)	9.6	10.4	11.6	13.3	15.3	17.8	20.7	24.1
		COMPRESSOR CURRENT (A)	8.6	9.4	10.6	12.3	14.3	16.8	19.8	23.1
	INDOOR COIL DB TEMP DROP (°F)	21	22	23	23	23	23	22	21	
	1600	LIQUID PRESSURE (PSIG)	204	233	271	318	374	438	511	593
		LIQUID TEMPERATURE (°F)	58	67	78	88	99	110	119	127
		LIQUID SUBCOOLING (°F)	13	12	11	12	13	14	17	21
		SUCTION PRESSURE (PSIG)	117	124	131	136	141	144	147	148
		SUCTION TEMPERATURE (°F)	70	67	63	61	60	61	62	63
		SUCTION SUPERHEAT (°F)	31	24	18	14	11	10	10	11
		OUTDOOR UNIT CURRENT (A)	9.6	10.4	11.6	13.3	15.3	17.8	20.7	24.1
		COMPRESSOR CURRENT (A)	8.6	9.4	10.6	12.3	14.3	16.8	19.8	23.1
	INDOOR COIL DB TEMP DROP (°F)	19	20	21	21	21	21	20	19	
	1800	LIQUID PRESSURE (PSIG)	203	232	270	317	373	437	510	592
		LIQUID TEMPERATURE (°F)	58	67	78	88	99	110	119	127
		LIQUID SUBCOOLING (°F)	13	12	11	12	13	14	17	21
		SUCTION PRESSURE (PSIG)	119	126	133	138	143	146	149	150
		SUCTION TEMPERATURE (°F)	72	68	65	63	62	62	64	65
		SUCTION SUPERHEAT (°F)	32	25	19	15	12	11	11	12
OUTDOOR UNIT CURRENT (A)		9.6	10.4	11.6	13.3	15.3	17.8	20.7	24.1	
COMPRESSOR CURRENT (A)		8.6	9.4	10.6	12.3	14.3	16.8	19.8	23.1	
INDOOR COIL DB TEMP DROP (°F)	17	18	19	19	19	19	18	17		
80/72	1400	LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507	585
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	15	13	12	12	13	14	16	19
		SUCTION PRESSURE (PSIG)	117	126	135	142	148	153	156	159
		SUCTION TEMPERATURE (°F)	71	69	68	67	66	66	65	66
		SUCTION SUPERHEAT (°F)	32	26	21	17	14	12	10	10
		OUTDOOR UNIT CURRENT (A)	9.7	10.6	11.8	13.4	15.4	17.8	20.5	23.6
		COMPRESSOR CURRENT (A)	8.7	9.5	10.8	12.4	14.4	16.8	19.5	22.6
	INDOOR COIL DB TEMP DROP (°F)	16	16	17	17	17	17	16	16	
	1600	LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507	585
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	15	13	12	12	13	14	16	19
		SUCTION PRESSURE (PSIG)	119	128	137	144	150	155	158	161
		SUCTION TEMPERATURE (°F)	73	71	70	69	68	68	67	68
		SUCTION SUPERHEAT (°F)	33	27	22	18	15	13	11	11
		OUTDOOR UNIT CURRENT (A)	9.7	10.6	11.8	13.4	15.4	17.8	20.5	23.6
		COMPRESSOR CURRENT (A)	8.7	9.5	10.8	12.4	14.4	16.8	19.5	22.6
	INDOOR COIL DB TEMP DROP (°F)	15	15	16	16	16	16	15	15	
	1800	LIQUID PRESSURE (PSIG)	207	238	276	322	376	438	507	585
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	110	119	128
		LIQUID SUBCOOLING (°F)	15	13	12	12	13	14	16	19
		SUCTION PRESSURE (PSIG)	121	130	139	146	152	157	160	163
		SUCTION TEMPERATURE (°F)	75	73	72	70	70	69	69	70
		SUCTION SUPERHEAT (°F)	34	28	23	19	16	14	12	12
OUTDOOR UNIT CURRENT (A)		9.7	10.6	11.8	13.4	15.4	17.8	20.5	23.6	
COMPRESSOR CURRENT (A)		8.7	9.5	10.8	12.4	14.4	16.8	19.5	22.6	
INDOOR COIL DB TEMP DROP (°F)	14	14	15	15	15	15	14	14		



FOR USE WITH MODELS:

YCS60B21S

TW4B6021S

RAW14L60B21S

QW4B60B21S

YCS60B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	192(7)	194(8)	196(8)	198(10)
60	206(8)	208(8)	210(8)	212(9)
65	222(8)	224(9)	226(9)	228(9)
70	240(9)	243(9)	244(9)	246(8)
75	261(9)	263(10)	264(9)	265(8)
80	283(10)	285(10)	286(10)	287(8)
85	307(11)	310(11)	310(10)	311(9)
90	333(11)	336(12)	336(11)	336(9)
95	362(12)	365(13)	364(12)	364(10)
100	392(13)	395(14)	394(13)	394(11)
105	425(14)	428(15)	426(14)	425(12)
110	460(15)	463(16)	461(15)	459(13)
115	496(16)	500(17)	497(16)	494(15)
120	535(18)	539(18)	535(17)	531(16)
125	576(19)	580(20)	575(19)	571(18)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCS60B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1530	LIQUID PRESSURE (PSIG)	196	226	264	311	366	430	502	583
		LIQUID TEMPERATURE (°F)	60	68	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	111	113	115	118	121	125	129	133
		SUCTION TEMPERATURE (°F)	51	51	52	53	54	56	59	61
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	11.9	13.0	14.5	16.5	18.9	21.9	25.3	29.2
		COMPRESSOR CURRENT (A)	10.7	11.7	13.3	15.3	17.7	20.7	24.1	28.0
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	23	22	21	20	
	1730	LIQUID PRESSURE (PSIG)	195	225	263	310	365	429	501	582
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	113	115	117	120	123	127	131	135
		SUCTION TEMPERATURE (°F)	52	52	52	54	55	57	59	62
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	11.9	13.0	14.5	16.5	18.9	21.9	25.3	29.2
		COMPRESSOR CURRENT (A)	10.7	11.7	13.3	15.3	17.7	20.7	24.1	28.0
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20	19	
	1930	LIQUID PRESSURE (PSIG)	194	224	262	309	364	428	500	581
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	115	117	119	122	125	129	133	137
		SUCTION TEMPERATURE (°F)	53	52	53	55	56	58	60	63
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
OUTDOOR UNIT CURRENT (A)		11.9	13.0	14.5	16.5	18.9	21.9	25.3	29.2	
COMPRESSOR CURRENT (A)		10.7	11.7	13.3	15.3	17.7	20.7	24.1	28.0	
INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19	18		

Continued on next page.

## YCS60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1530	LIQUID PRESSURE (PSIG)	194	224	263	309	364	427	498	578
		LIQUID TEMPERATURE (°F)	60	68	77	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	12	13	15	17	20
		SUCTION PRESSURE (PSIG)	103	105	108	111	114	118	122	127
		SUCTION TEMPERATURE (°F)	44	45	46	48	49	52	54	57
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	11.9	13.0	14.5	16.5	18.9	21.8	25.1	28.9
		COMPRESSOR CURRENT (A)	10.6	11.7	13.3	15.3	17.7	20.6	23.9	27.7
	INDOOR COIL DB TEMP DROP (°F)	33	33	32	31	29	28	27	26	
	1730	LIQUID PRESSURE (PSIG)	192	222	261	307	362	425	496	576
		LIQUID TEMPERATURE (°F)	60	68	78	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	7	8	9	11	12	14	16	19
		SUCTION PRESSURE (PSIG)	108	110	113	116	119	123	127	132
		SUCTION TEMPERATURE (°F)	47	48	50	51	52	55	57	60
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	11.8	12.9	14.4	16.4	18.8	21.7	25.0	28.8
		COMPRESSOR CURRENT (A)	10.5	11.6	13.2	15.2	17.6	20.5	23.8	27.6
	INDOOR COIL DB TEMP DROP (°F)	31	31	30	29	27	26	25	24	
	1930	LIQUID PRESSURE (PSIG)	190	220	259	305	360	423	494	574
		LIQUID TEMPERATURE (°F)	61	69	78	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	6	7	8	10	11	13	15	18
		SUCTION PRESSURE (PSIG)	113	115	118	121	124	128	132	137
		SUCTION TEMPERATURE (°F)	51	52	53	54	56	58	60	63
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	14	14	15
		OUTDOOR UNIT CURRENT (A)	11.7	12.8	14.3	16.3	18.7	21.6	24.9	28.7
		COMPRESSOR CURRENT (A)	10.4	11.5	13.1	15.1	17.5	20.4	23.7	27.5
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	25	24	23	22	
	80/62	1530	LIQUID PRESSURE (PSIG)	195	225	264	311	366	429	501
LIQUID TEMPERATURE (°F)			60	68	78	88	97	107	117	126
LIQUID SUBCOOLING (°F)			8	9	10	11	13	15	17	20
SUCTION PRESSURE (PSIG)			114	115	117	119	122	125	128	132
SUCTION TEMPERATURE (°F)			51	51	51	52	54	56	58	61
SUCTION SUPERHEAT (°F)			13	12	12	12	12	13	14	15
OUTDOOR UNIT CURRENT (A)			12.0	13.0	14.5	16.5	19.0	21.9	25.2	29.1
COMPRESSOR CURRENT (A)			10.7	11.8	13.3	15.3	17.8	20.7	24.1	27.9
INDOOR COIL DB TEMP DROP (°F)		30	30	29	29	28	27	26	25	
1730		LIQUID PRESSURE (PSIG)	194	224	263	310	365	428	500	580
		LIQUID TEMPERATURE (°F)	60	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	117	118	120	122	125	128	131	135
		SUCTION TEMPERATURE (°F)	52	52	53	54	55	57	59	62
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	12.0	13.0	14.5	16.5	19.0	21.9	25.2	29.1
		COMPRESSOR CURRENT (A)	10.7	11.8	13.3	15.3	17.8	20.7	24.1	27.9
INDOOR COIL DB TEMP DROP (°F)		28	28	27	27	26	25	24	23	
1930		LIQUID PRESSURE (PSIG)	193	223	262	309	364	427	499	579
		LIQUID TEMPERATURE (°F)	60	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	15	17	20
		SUCTION PRESSURE (PSIG)	120	121	123	125	128	131	134	138
		SUCTION TEMPERATURE (°F)	54	53	54	55	56	58	61	63
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	12.0	13.0	14.5	16.5	19.0	21.9	25.2	29.1
		COMPRESSOR CURRENT (A)	10.7	11.8	13.3	15.3	17.8	20.7	24.1	27.9
INDOOR COIL DB TEMP DROP (°F)		26	26	25	25	24	23	22	21	

Continued on next page.

## YCS60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1530	LIQUID PRESSURE (PSIG)	197	227	265	311	365	427	498	576
		LIQUID TEMPERATURE (°F)	61	69	79	89	98	108	118	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	119	123	126	129	132	135	138	141
		SUCTION TEMPERATURE (°F)	56	56	56	57	58	60	61	64
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	13	15
		OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.6	16.6	19.0	21.8	25.1	28.9
		COMPRESSOR CURRENT (A)	10.8	11.9	13.4	15.3	17.8	20.6	24.0	27.8
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	24	23	22	22	21	
	1730	LIQUID PRESSURE (PSIG)	196	226	264	310	364	426	497	575
		LIQUID TEMPERATURE (°F)	61	68	79	88	98	108	118	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	122	126	129	132	135	138	141	144
		SUCTION TEMPERATURE (°F)	58	57	58	58	59	61	62	66
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	13	15
		OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.6	16.6	19.0	21.8	25.1	28.9
		COMPRESSOR CURRENT (A)	10.8	11.9	13.4	15.3	17.8	20.6	24.0	27.8
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	23	22	21	21	20	
	1930	LIQUID PRESSURE (PSIG)	195	225	263	309	363	425	496	574
		LIQUID TEMPERATURE (°F)	60	68	78	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	125	129	132	135	138	141	144	147
		SUCTION TEMPERATURE (°F)	59	59	59	59	60	62	64	67
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	13	15
		OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.6	16.6	19.0	21.8	25.1	28.9
		COMPRESSOR CURRENT (A)	10.8	11.9	13.4	15.3	17.8	20.6	24.0	27.8
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	21	20	20	19	
	80/72	1530	LIQUID PRESSURE (PSIG)	198	228	265	311	364	425	494
LIQUID TEMPERATURE (°F)			59	69	80	90	100	109	118	127
LIQUID SUBCOOLING (°F)			10	9	8	9	10	12	15	18
SUCTION PRESSURE (PSIG)			127	132	137	141	145	148	151	154
SUCTION TEMPERATURE (°F)			64	63	63	63	64	65	67	69
SUCTION SUPERHEAT (°F)			20	17	15	14	13	13	14	15
OUTDOOR UNIT CURRENT (A)			12.1	13.2	14.6	16.6	18.9	21.6	24.8	28.5
COMPRESSOR CURRENT (A)			10.8	11.9	13.4	15.3	17.7	20.5	23.7	27.3
INDOOR COIL DB TEMP DROP (°F)		20	19	19	19	18	18	17	16	
1730		LIQUID PRESSURE (PSIG)	198	228	265	311	364	425	494	571
		LIQUID TEMPERATURE (°F)	59	69	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	8	9	10	12	15	18
		SUCTION PRESSURE (PSIG)	129	134	139	143	147	150	153	156
		SUCTION TEMPERATURE (°F)	65	64	64	64	65	66	68	70
		SUCTION SUPERHEAT (°F)	20	17	15	14	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	12.1	13.2	14.6	16.6	18.9	21.6	24.8	28.5
		COMPRESSOR CURRENT (A)	10.8	11.9	13.4	15.3	17.7	20.5	23.7	27.3
INDOOR COIL DB TEMP DROP (°F)		19	18	18	18	17	17	16	15	
1930		LIQUID PRESSURE (PSIG)	199	229	266	312	365	426	495	572
		LIQUID TEMPERATURE (°F)	59	69	80	90	100	110	118	127
		LIQUID SUBCOOLING (°F)	10	9	8	9	10	12	15	18
		SUCTION PRESSURE (PSIG)	131	136	141	145	149	152	155	158
		SUCTION TEMPERATURE (°F)	66	65	65	66	67	68	70	72
		SUCTION SUPERHEAT (°F)	21	18	16	15	14	14	15	16
		OUTDOOR UNIT CURRENT (A)	12.1	13.2	14.6	16.6	18.9	21.6	24.8	28.5
		COMPRESSOR CURRENT (A)	10.8	11.9	13.4	15.3	17.7	20.5	23.7	27.3
INDOOR COIL DB TEMP DROP (°F)		18	17	17	17	16	16	15	14	

FOR USE WITH MODELS WITH ORIFICE:

**YFD18B21S**

**TF3B1821S**

**RAC13F18B21S**

YFD18B21S Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	93	98	103	108	112	117	122	127	132	137	142	146	151	156	161
	Suction Temperature (°F)														
55	58	67	..	..	..	..	..	..	..	..	..	..	..	..	..
60	..	57	67	..	..	..	..	..	..	..	..	..	..	..	..
65	..	..	56	66	72	..	..	..	..	..	..	..	..	..	..
70	..	..	..	57	63	72	..	..	..	..	..	..	..	..	..
75	..	..	..	..	..	61	72	..	..	..	..	..	..	..	..
80	..	..	..	..	..	57	62	72	..	..	..	..	..	..	..
85	..	..	..	..	..	..	57	62	72	..	..	..	..	..	..
90	..	..	..	..	..	..	..	57	64	74	..	..	..	..	..
95	..	..	..	..	..	..	..	..	58	65	74	84	..	..	..
100	..	..	..	..	..	..	..	..	54	59	66	73	..	..	..
105	..	..	..	..	..	..	..	..	..	55	60	66	74	..	..
110	..	..	..	..	..	..	..	..	..	51	56	60	66	73	..
115	..	..	..	..	..	..	..	..	..	..	52	55	60	66	72

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YFD18B21S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	450	LIQUID PRESSURE (PSIG)	183	217	255	297	342	391	445
		LIQUID TEMPERATURE (°F)	56	67	78	89	100	111	123
		LIQUID SUBCOOLING (°F)	8	8	7	6	5	4	2
		SUCTION PRESSURE (PSIG)	95	108	118	126	132	137	139
		SUCTION TEMPERATURE (°F)	59	61	62	61	59	55	50
		SUCTION SUPERHEAT (°F)	30	26	22	18	13	7	1
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.1	4.6	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.0	4.6	5.3	6.0
	INDOOR COIL DB TEMP DROP (°F)	22	23	24	24	24	23	22	
	600	LIQUID PRESSURE (PSIG)	185	219	257	299	344	393	447
		LIQUID TEMPERATURE (°F)	56	66	78	89	100	111	122
		LIQUID SUBCOOLING (°F)	9	9	8	7	6	5	3
		SUCTION PRESSURE (PSIG)	98	111	121	129	135	140	142
		SUCTION TEMPERATURE (°F)	63	65	65	65	62	58	53
		SUCTION SUPERHEAT (°F)	32	28	24	20	15	9	3
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.1	4.6	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.0	4.6	5.3	6.0
	INDOOR COIL DB TEMP DROP (°F)	19	20	21	21	21	20	19	
	750	LIQUID PRESSURE (PSIG)	187	221	259	301	346	395	449
		LIQUID TEMPERATURE (°F)	56	66	77	88	99	110	122
		LIQUID SUBCOOLING (°F)	10	10	9	8	7	6	4
		SUCTION PRESSURE (PSIG)	101	114	124	132	138	143	145
		SUCTION TEMPERATURE (°F)	66	68	69	68	65	61	56
		SUCTION SUPERHEAT (°F)	34	30	26	22	17	11	5
OUTDOOR UNIT CURRENT (A)		3.4	3.7	4.1	4.6	5.2	5.9	6.6	
COMPRESSOR CURRENT (A)		2.8	3.1	3.5	4.0	4.6	5.3	6.0	
INDOOR COIL DB TEMP DROP (°F)	16	17	18	18	18	17	16		

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## YFD18B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	450	LIQUID PRESSURE (PSIG)	182	215	252	294	340	392	448
		LIQUID TEMPERATURE (°F)	56	67	78	90	100	111	122
		LIQUID SUBCOOLING (°F)	8	7	6	5	5	4	3
		SUCTION PRESSURE (PSIG)	93	103	112	121	128	134	140
		SUCTION TEMPERATURE (°F)	56	57	56	56	54	52	49
		SUCTION SUPERHEAT (°F)	28	24	19	15	10	5	0
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.1	4.6	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.0	4.6	5.3	6.0
	INDOOR COIL DB TEMP DROP (°F)	30	31	32	32	31	29	27	
	600	LIQUID PRESSURE (PSIG)	184	217	254	296	342	394	450
		LIQUID TEMPERATURE (°F)	56	67	78	89	99	111	122
		LIQUID SUBCOOLING (°F)	9	8	7	6	6	5	4
		SUCTION PRESSURE (PSIG)	97	107	116	125	132	138	144
		SUCTION TEMPERATURE (°F)	62	63	62	62	60	57	55
		SUCTION SUPERHEAT (°F)	32	28	23	19	14	9	4
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.1	4.6	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.0	4.6	5.3	6.0
	INDOOR COIL DB TEMP DROP (°F)	25	26	27	27	26	24	22	
	750	LIQUID PRESSURE (PSIG)	186	219	256	298	344	396	452
		LIQUID TEMPERATURE (°F)	55	66	77	89	99	110	121
		LIQUID SUBCOOLING (°F)	10	9	8	7	7	6	5
		SUCTION PRESSURE (PSIG)	101	111	120	129	136	142	148
		SUCTION TEMPERATURE (°F)	68	69	68	68	65	63	60
		SUCTION SUPERHEAT (°F)	36	32	27	23	18	13	8
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.1	4.6	5.2	5.9	6.6
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.0	4.6	5.3	6.0
	INDOOR COIL DB TEMP DROP (°F)	20	21	22	22	21	19	17	
	80/62	450	LIQUID PRESSURE (PSIG)	184	218	257	299	346	396
LIQUID TEMPERATURE (°F)			57	67	79	89	100	111	123
LIQUID SUBCOOLING (°F)			8	8	7	7	6	5	3
SUCTION PRESSURE (PSIG)			95	107	118	126	133	138	141
SUCTION TEMPERATURE (°F)			60	62	62	60	57	53	49
SUCTION SUPERHEAT (°F)			31	27	22	17	11	5	0
OUTDOOR UNIT CURRENT (A)			3.4	3.8	4.2	4.7	5.3	5.9	6.7
COMPRESSOR CURRENT (A)			2.8	3.1	3.6	4.1	4.7	5.3	6.1
INDOOR COIL DB TEMP DROP (°F)		25	27	28	29	29	28	27	
600		LIQUID PRESSURE (PSIG)	186	220	259	301	348	398	453
		LIQUID TEMPERATURE (°F)	56	67	78	88	100	110	122
		LIQUID SUBCOOLING (°F)	9	9	8	8	7	6	4
		SUCTION PRESSURE (PSIG)	98	110	121	129	136	141	144
		SUCTION TEMPERATURE (°F)	66	67	67	66	62	58	53
		SUCTION SUPERHEAT (°F)	35	31	26	21	15	9	2
		OUTDOOR UNIT CURRENT (A)	3.4	3.8	4.2	4.7	5.3	5.9	6.7
		COMPRESSOR CURRENT (A)	2.8	3.1	3.6	4.1	4.7	5.3	6.1
INDOOR COIL DB TEMP DROP (°F)		21	23	24	25	25	24	23	
750		LIQUID PRESSURE (PSIG)	188	222	261	303	350	400	455
		LIQUID TEMPERATURE (°F)	56	66	78	88	99	110	122
		LIQUID SUBCOOLING (°F)	10	10	9	9	8	7	5
		SUCTION PRESSURE (PSIG)	101	113	124	132	139	144	147
		SUCTION TEMPERATURE (°F)	70	72	72	70	67	63	57
		SUCTION SUPERHEAT (°F)	38	34	29	24	18	12	5
		OUTDOOR UNIT CURRENT (A)	3.4	3.8	4.2	4.7	5.3	5.9	6.7
		COMPRESSOR CURRENT (A)	2.8	3.1	3.6	4.1	4.7	5.3	6.1
INDOOR COIL DB TEMP DROP (°F)		17	19	20	21	21	20	19	

Continued on next page.

## YFD18B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	450	LIQUID PRESSURE (PSIG)	185	220	259	302	349	400	455
		LIQUID TEMPERATURE (°F)	56	67	78	89	100	111	122
		LIQUID SUBCOOLING (°F)	9	9	8	8	7	6	5
		SUCTION PRESSURE (PSIG)	96	109	121	131	139	145	150
		SUCTION TEMPERATURE (°F)	64	69	72	72	70	64	56
		SUCTION SUPERHEAT (°F)	34	33	31	27	21	13	3
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.2	4.7	5.3	5.9	6.7
		COMPRESSOR CURRENT (A)	2.8	3.1	3.6	4.1	4.7	5.3	6.1
	INDOOR COIL DB TEMP DROP (°F)	20	21	22	23	23	23	23	
	600	LIQUID PRESSURE (PSIG)	186	221	260	303	350	401	456
		LIQUID TEMPERATURE (°F)	56	67	79	89	100	111	122
		LIQUID SUBCOOLING (°F)	9	9	8	8	7	6	5
		SUCTION PRESSURE (PSIG)	98	111	123	133	141	147	152
		SUCTION TEMPERATURE (°F)	68	73	76	76	73	68	60
		SUCTION SUPERHEAT (°F)	37	36	34	30	24	16	6
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.2	4.7	5.3	5.9	6.7
		COMPRESSOR CURRENT (A)	2.8	3.1	3.6	4.1	4.7	5.3	6.1
	INDOOR COIL DB TEMP DROP (°F)	17	18	19	20	20	20	20	
	750	LIQUID PRESSURE (PSIG)	187	222	261	304	351	402	457
		LIQUID TEMPERATURE (°F)	57	67	79	89	100	111	122
		LIQUID SUBCOOLING (°F)	9	9	8	8	7	6	5
		SUCTION PRESSURE (PSIG)	100	113	125	135	143	149	154
		SUCTION TEMPERATURE (°F)	72	77	80	80	77	72	63
		SUCTION SUPERHEAT (°F)	40	39	37	33	27	19	9
OUTDOOR UNIT CURRENT (A)		3.4	3.7	4.2	4.7	5.3	5.9	6.7	
COMPRESSOR CURRENT (A)		2.8	3.1	3.6	4.1	4.7	5.3	6.1	
INDOOR COIL DB TEMP DROP (°F)	14	15	16	17	17	17	17		
80/72	450	LIQUID PRESSURE (PSIG)	184	218	256	300	348	401	459
		LIQUID TEMPERATURE (°F)	56	66	76	88	99	110	121
		LIQUID SUBCOOLING (°F)	9	9	9	8	8	7	6
		SUCTION PRESSURE (PSIG)	95	110	122	134	144	152	159
		SUCTION TEMPERATURE (°F)	66	73	78	80	79	76	69
		SUCTION SUPERHEAT (°F)	37	37	36	33	28	22	13
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.1	4.6	5.2	5.9	6.7
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.0	4.6	5.3	6.1
	INDOOR COIL DB TEMP DROP (°F)	16	17	18	18	18	18	18	
	600	LIQUID PRESSURE (PSIG)	185	219	257	301	349	402	460
		LIQUID TEMPERATURE (°F)	56	66	77	88	99	110	121
		LIQUID SUBCOOLING (°F)	9	9	9	8	8	7	6
		SUCTION PRESSURE (PSIG)	96	111	123	135	145	153	160
		SUCTION TEMPERATURE (°F)	69	76	80	82	81	78	72
		SUCTION SUPERHEAT (°F)	39	39	38	35	30	24	15
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.1	4.6	5.2	5.9	6.7
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.0	4.6	5.3	6.1
	INDOOR COIL DB TEMP DROP (°F)	13	14	15	15	15	15	15	
	750	LIQUID PRESSURE (PSIG)	186	220	258	302	350	403	461
		LIQUID TEMPERATURE (°F)	56	67	77	89	99	110	122
		LIQUID SUBCOOLING (°F)	9	9	9	8	8	7	6
		SUCTION PRESSURE (PSIG)	97	112	124	136	146	154	161
		SUCTION TEMPERATURE (°F)	71	78	83	84	83	80	74
		SUCTION SUPERHEAT (°F)	41	41	40	37	32	26	17
OUTDOOR UNIT CURRENT (A)		3.4	3.7	4.1	4.6	5.2	5.9	6.7	
COMPRESSOR CURRENT (A)		2.8	3.1	3.5	4.0	4.6	5.3	6.1	
INDOOR COIL DB TEMP DROP (°F)	10	11	12	12	12	12	12		

FOR USE WITH MODELS WITH ORIFICE:

**YFD30B21S****TF3B3021S****RAC13F30B21S**

YFD30B21S Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	101	105	109	113	118	122	126	130	134	138	142	147	151	155	159
	Suction Temperature (°F)														
55	63	68	73	..	..	..	..	..	..	..	..	..	..	..	..
60	..	60	64	70	..	..	..	..	..	..	..	..	..	..	..
65	..	..	57	61	68	75	..	..	..	..	..	..	..	..	..
70	..	..	..	55	60	66	73	..	..	..	..	..	..	..	..
75	..	..	..	..	54	58	63	70	..	..	..	..	..	..	..
80	..	..	..	..	50	53	57	63	70	..	..	..	..	..	..
85	..	..	..	..	..	48	52	57	62	69	..	..	..	..	..
90	..	..	..	..	..	..	48	52	57	62	68	..	..	..	..
95	..	..	..	..	..	..	..	48	52	57	62	69	..	..	..
100	..	..	..	..	..	..	..	46	50	54	58	64	69	..	..
105	..	..	..	..	..	..	..	45	48	51	54	60	64	..	..
110	..	..	..	..	..	..	..	..	47	50	52	57	61	65	..
115	..	..	..	..	..	..	..	..	47	49	51	54	58	61	65

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YFD30B21S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	800	LIQUID PRESSURE (PSIG)	170	211	249	286	320	352	381
		LIQUID TEMPERATURE (°F)	51	64	76	86	94	101	107
		LIQUID SUBCOOLING (°F)	9	9	8	7	7	6	6
		SUCTION PRESSURE (PSIG)	103	112	119	124	128	130	130
		SUCTION TEMPERATURE (°F)	65	59	54	50	46	45	45
		SUCTION SUPERHEAT (°F)	32	22	14	7	2	0	0
		OUTDOOR UNIT CURRENT (A)	5.6	6.4	7.2	8.0	8.7	9.4	10.1
		COMPRESSOR CURRENT (A)	4.7	5.5	6.3	7.1	7.8	8.5	9.2
		INDOOR COIL DB TEMP DROP (°F)	22	23	24	24	25	25	25
	1000	LIQUID PRESSURE (PSIG)	184	225	263	300	334	366	395
		LIQUID TEMPERATURE (°F)	56	68	79	89	97	104	110
		LIQUID SUBCOOLING (°F)	9	9	8	7	7	6	6
		SUCTION PRESSURE (PSIG)	107	116	123	128	132	134	134
		SUCTION TEMPERATURE (°F)	69	63	58	53	50	48	47
		SUCTION SUPERHEAT (°F)	34	24	16	9	4	1	0
		OUTDOOR UNIT CURRENT (A)	5.9	6.7	7.5	8.3	9.0	9.7	10.4
		COMPRESSOR CURRENT (A)	5.0	5.8	6.6	7.4	8.1	8.8	9.5
		INDOOR COIL DB TEMP DROP (°F)	19	20	21	21	22	22	22
	1200	LIQUID PRESSURE (PSIG)	198	239	277	314	348	380	409
		LIQUID TEMPERATURE (°F)	60	72	83	92	100	107	113
		LIQUID SUBCOOLING (°F)	9	9	8	7	7	6	6
		SUCTION PRESSURE (PSIG)	111	120	127	132	136	138	138
		SUCTION TEMPERATURE (°F)	73	67	62	57	53	51	50
		SUCTION SUPERHEAT (°F)	36	26	18	11	6	3	2
OUTDOOR UNIT CURRENT (A)		6.2	7.0	7.8	8.6	9.3	10.0	10.7	
COMPRESSOR CURRENT (A)		5.3	6.1	6.9	7.7	8.4	9.1	9.8	
INDOOR COIL DB TEMP DROP (°F)		16	17	18	18	19	19	19	

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## YFD30B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	800	LIQUID PRESSURE (PSIG)	180	213	249	290	336	386	440
		LIQUID TEMPERATURE (°F)	56	67	78	89	99	110	121
		LIQUID SUBCOOLING (°F)	7	7	6	5	5	4	3
		SUCTION PRESSURE (PSIG)	101	108	115	121	127	132	137
		SUCTION TEMPERATURE (°F)	63	56	52	47	46	46	48
		SUCTION SUPERHEAT (°F)	31	21	13	6	2	0	0
		OUTDOOR UNIT CURRENT (A)	5.9	6.6	7.3	8.2	9.1	10.2	11.4
		COMPRESSOR CURRENT (A)	5.0	5.7	6.4	7.3	8.3	9.4	10.6
	INDOOR COIL DB TEMP DROP (°F)	30	30	31	30	30	28	27	
	1000	LIQUID PRESSURE (PSIG)	183	216	252	293	339	389	443
		LIQUID TEMPERATURE (°F)	56	67	77	89	99	110	121
		LIQUID SUBCOOLING (°F)	8	8	7	6	6	5	4
		SUCTION PRESSURE (PSIG)	105	112	119	125	131	136	141
		SUCTION TEMPERATURE (°F)	68	61	56	52	50	49	50
		SUCTION SUPERHEAT (°F)	34	24	16	9	5	2	1
		OUTDOOR UNIT CURRENT (A)	5.9	6.6	7.3	8.2	9.1	10.2	11.4
		COMPRESSOR CURRENT (A)	5.0	5.7	6.4	7.3	8.3	9.4	10.6
	INDOOR COIL DB TEMP DROP (°F)	26	26	27	26	26	24	23	
	1200	LIQUID PRESSURE (PSIG)	186	219	255	296	342	392	446
		LIQUID TEMPERATURE (°F)	56	66	77	88	98	109	120
		LIQUID SUBCOOLING (°F)	9	9	8	7	7	6	5
		SUCTION PRESSURE (PSIG)	109	116	123	129	135	140	145
		SUCTION TEMPERATURE (°F)	73	66	61	57	55	54	55
		SUCTION SUPERHEAT (°F)	37	27	19	12	8	5	4
		OUTDOOR UNIT CURRENT (A)	5.9	6.6	7.3	8.2	9.1	10.2	11.4
		COMPRESSOR CURRENT (A)	5.0	5.7	6.4	7.3	8.3	9.4	10.6
	INDOOR COIL DB TEMP DROP (°F)	22	22	23	22	22	20	19	
	80/62	800	LIQUID PRESSURE (PSIG)	185	218	255	296	341	390
LIQUID TEMPERATURE (°F)			56	66	77	88	98	109	120
LIQUID SUBCOOLING (°F)			9	9	8	7	7	6	5
SUCTION PRESSURE (PSIG)			105	113	119	125	130	134	138
SUCTION TEMPERATURE (°F)			67	61	54	50	47	47	48
SUCTION SUPERHEAT (°F)			33	23	14	7	2	0	0
OUTDOOR UNIT CURRENT (A)			6.0	6.6	7.4	8.2	9.2	10.3	11.5
COMPRESSOR CURRENT (A)			5.0	5.7	6.5	7.3	8.3	9.4	10.6
INDOOR COIL DB TEMP DROP (°F)		25	27	28	28	28	27	26	
1000		LIQUID PRESSURE (PSIG)	186	219	256	297	342	391	444
		LIQUID TEMPERATURE (°F)	56	66	77	88	98	109	120
		LIQUID SUBCOOLING (°F)	9	9	8	7	7	6	5
		SUCTION PRESSURE (PSIG)	108	116	122	128	133	137	141
		SUCTION TEMPERATURE (°F)	71	65	59	54	51	50	50
		SUCTION SUPERHEAT (°F)	36	26	17	10	5	2	1
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.2	9.2	10.3	11.5
		COMPRESSOR CURRENT (A)	5.0	5.7	6.5	7.3	8.3	9.4	10.6
INDOOR COIL DB TEMP DROP (°F)		22	24	25	25	25	24	23	
1200		LIQUID PRESSURE (PSIG)	187	220	257	298	343	392	445
		LIQUID TEMPERATURE (°F)	57	67	78	89	99	109	120
		LIQUID SUBCOOLING (°F)	9	9	8	7	7	6	5
		SUCTION PRESSURE (PSIG)	111	119	125	131	136	140	144
		SUCTION TEMPERATURE (°F)	76	69	63	58	55	54	55
		SUCTION SUPERHEAT (°F)	39	29	20	13	8	5	4
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.2	9.2	10.3	11.5
		COMPRESSOR CURRENT (A)	5.0	5.7	6.5	7.3	8.3	9.4	10.6
INDOOR COIL DB TEMP DROP (°F)		19	21	22	22	22	21	20	

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## YFD30B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	800	LIQUID PRESSURE (PSIG)	187	221	259	300	346	396	450
		LIQUID TEMPERATURE (°F)	56	66	77	87	98	109	119
		LIQUID SUBCOOLING (°F)	10	10	9	9	8	7	7
		SUCTION PRESSURE (PSIG)	108	118	126	134	139	144	147
		SUCTION TEMPERATURE (°F)	71	68	64	63	58	55	52
		SUCTION SUPERHEAT (°F)	36	28	21	16	9	4	0
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.2	9.2	10.3	11.6
		COMPRESSOR CURRENT (A)	5.0	5.7	6.5	7.4	8.4	9.5	10.7
	INDOOR COIL DB TEMP DROP (°F)	21	22	23	23	24	23	23	
	1000	LIQUID PRESSURE (PSIG)	188	222	260	301	347	397	451
		LIQUID TEMPERATURE (°F)	56	66	78	87	98	109	119
		LIQUID SUBCOOLING (°F)	10	10	9	9	8	7	7
		SUCTION PRESSURE (PSIG)	110	120	128	136	141	146	149
		SUCTION TEMPERATURE (°F)	74	71	67	65	60	57	54
		SUCTION SUPERHEAT (°F)	38	30	23	18	11	6	1
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.2	9.2	10.3	11.6
		COMPRESSOR CURRENT (A)	5.0	5.7	6.5	7.4	8.4	9.5	10.7
	INDOOR COIL DB TEMP DROP (°F)	18	19	20	20	21	20	20	
	1200	LIQUID PRESSURE (PSIG)	189	223	261	302	348	398	452
		LIQUID TEMPERATURE (°F)	56	67	78	88	99	109	119
		LIQUID SUBCOOLING (°F)	10	10	9	9	8	7	7
		SUCTION PRESSURE (PSIG)	112	122	130	138	143	148	151
		SUCTION TEMPERATURE (°F)	77	74	70	68	63	60	56
		SUCTION SUPERHEAT (°F)	40	32	25	20	13	8	3
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.2	9.2	10.3	11.6
		COMPRESSOR CURRENT (A)	5.0	5.7	6.5	7.4	8.4	9.5	10.7
	INDOOR COIL DB TEMP DROP (°F)	15	16	17	17	18	17	17	
	80/72	800	LIQUID PRESSURE (PSIG)	188	222	260	303	350	402
LIQUID TEMPERATURE (°F)			55	66	77	88	98	109	119
LIQUID SUBCOOLING (°F)			11	10	10	9	9	8	8
SUCTION PRESSURE (PSIG)			107	118	128	137	145	151	156
SUCTION TEMPERATURE (°F)			74	72	70	69	67	65	63
SUCTION SUPERHEAT (°F)			39	32	26	21	16	12	8
OUTDOOR UNIT CURRENT (A)			6.0	6.6	7.4	8.3	9.3	10.4	11.7
COMPRESSOR CURRENT (A)			5.1	5.7	6.5	7.4	8.4	9.5	10.8
INDOOR COIL DB TEMP DROP (°F)		16	17	17	18	18	17	17	
1000		LIQUID PRESSURE (PSIG)	189	223	261	304	351	403	458
		LIQUID TEMPERATURE (°F)	55	67	77	88	98	109	119
		LIQUID SUBCOOLING (°F)	11	10	10	9	9	8	8
		SUCTION PRESSURE (PSIG)	109	120	130	139	147	153	158
		SUCTION TEMPERATURE (°F)	76	74	72	71	69	67	65
		SUCTION SUPERHEAT (°F)	40	33	27	22	17	13	9
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.3	9.3	10.4	11.7
		COMPRESSOR CURRENT (A)	5.1	5.7	6.5	7.4	8.4	9.5	10.8
INDOOR COIL DB TEMP DROP (°F)		14	15	15	16	16	15	15	
1200		LIQUID PRESSURE (PSIG)	190	224	262	305	352	404	459
		LIQUID TEMPERATURE (°F)	56	67	77	88	98	110	119
		LIQUID SUBCOOLING (°F)	11	10	10	9	9	8	8
		SUCTION PRESSURE (PSIG)	111	122	132	141	149	155	160
		SUCTION TEMPERATURE (°F)	78	76	74	72	71	69	67
		SUCTION SUPERHEAT (°F)	41	34	28	23	18	14	10
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.3	9.3	10.4	11.7
		COMPRESSOR CURRENT (A)	5.1	5.7	6.5	7.4	8.4	9.5	10.8
INDOOR COIL DB TEMP DROP (°F)		12	13	13	14	14	13	13	

FOR USE WITH MODELS WITH ORIFICE:

YFD36B21S

TF3B3621S

RAC13F36B21S

YFD36B21S Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	100	104	109	113	118	122	127	131	135	140	144	149	153	158	162
	Suction Temperature (°F)														
55	60	65	72	..	..	..	..	..	..	..	..	..	..	..	..
60	..	58	64	70	..	..	..	..	..	..	..	..	..	..	..
65	..	..	57	61	69	..	..	..	..	..	..	..	..	..	..
70	..	..	..	55	61	67	..	..	..	..	..	..	..	..	..
75	..	..	..	..	54	59	67	..	..	..	..	..	..	..	..
80	..	..	..	..	..	54	60	66	74	..	..	..	..	..	..
85	..	..	..	..	..	..	54	59	66	..	..	..	..	..	..
90	..	..	..	..	..	..	50	54	59	66	..	..	..	..	..
95	..	..	..	..	..	..	..	50	53	56	62	..	..	..	..
100	..	..	..	..	..	..	..	..	50	55	60	67	..	..	..
105	..	..	..	..	..	..	..	..	48	52	56	62	67	..	..
110	..	..	..	..	..	..	..	..	..	50	53	57	62	68	..
115	..	..	..	..	..	..	..	..	..	49	51	54	57	63	68

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

## YFD36B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1000	LIQUID PRESSURE (PSIG)	185	219	256	298	343	393	446
		LIQUID TEMPERATURE (°F)	55	66	77	89	99	110	121
		LIQUID SUBCOOLING (°F)	10	9	8	7	6	5	4
		SUCTION PRESSURE (PSIG)	104	112	119	126	131	135	138
		SUCTION TEMPERATURE (°F)	64	59	55	52	50	48	48
		SUCTION SUPERHEAT (°F)	31	22	15	9	5	1	0
		OUTDOOR UNIT CURRENT (A)	7.0	7.7	8.6	9.6	10.8	12.1	13.6
		COMPRESSOR CURRENT (A)	5.8	6.6	7.5	8.5	9.7	11.0	12.5
		INDOOR COIL DB TEMP DROP (°F)	20	21	22	23	23	22	21
	1200	LIQUID PRESSURE (PSIG)	187	221	258	300	345	395	448
		LIQUID TEMPERATURE (°F)	56	67	78	89	100	111	121
		LIQUID SUBCOOLING (°F)	10	9	8	7	6	5	4
		SUCTION PRESSURE (PSIG)	106	114	121	128	133	137	140
		SUCTION TEMPERATURE (°F)	66	61	57	54	52	50	49
		SUCTION SUPERHEAT (°F)	32	23	16	10	6	2	0
		OUTDOOR UNIT CURRENT (A)	7.0	7.7	8.6	9.6	10.8	12.1	13.6
		COMPRESSOR CURRENT (A)	5.8	6.6	7.5	8.5	9.7	11.0	12.5
		INDOOR COIL DB TEMP DROP (°F)	18	19	20	21	21	20	19
	1400	LIQUID PRESSURE (PSIG)	189	223	260	302	347	397	450
		LIQUID TEMPERATURE (°F)	56	67	78	89	100	111	121
		LIQUID SUBCOOLING (°F)	10	9	8	7	6	5	4
		SUCTION PRESSURE (PSIG)	108	116	123	130	135	139	142
		SUCTION TEMPERATURE (°F)	68	63	59	56	54	52	51
		SUCTION SUPERHEAT (°F)	33	24	17	11	7	3	1
OUTDOOR UNIT CURRENT (A)		7.0	7.7	8.6	9.6	10.8	12.1	13.6	
COMPRESSOR CURRENT (A)		5.8	6.6	7.5	8.5	9.7	11.0	12.5	
INDOOR COIL DB TEMP DROP (°F)		16	17	18	19	19	18	17	

Continued on next page.

## YFD36B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1000	LIQUID PRESSURE (PSIG)	184	216	253	295	341	392	447
		LIQUID TEMPERATURE (°F)	58	68	79	90	100	111	121
		LIQUID SUBCOOLING (°F)	7	6	6	5	5	4	4
		SUCTION PRESSURE (PSIG)	99	107	115	122	128	134	140
		SUCTION TEMPERATURE (°F)	60	56	51	50	47	47	49
		SUCTION SUPERHEAT (°F)	29	21	13	8	3	0	0
		OUTDOOR UNIT CURRENT (A)	7.0	7.7	8.6	9.6	10.8	12.1	13.6
		COMPRESSOR CURRENT (A)	5.8	6.5	7.4	8.4	9.6	11.0	12.5
	INDOOR COIL DB TEMP DROP (°F)	28	28	29	28	28	26	25	
	1200	LIQUID PRESSURE (PSIG)	186	218	255	297	343	394	449
		LIQUID TEMPERATURE (°F)	57	68	78	89	99	110	120
		LIQUID SUBCOOLING (°F)	8	7	7	6	6	5	5
		SUCTION PRESSURE (PSIG)	103	111	119	126	132	138	144
		SUCTION TEMPERATURE (°F)	65	61	56	54	52	51	51
		SUCTION SUPERHEAT (°F)	32	24	16	11	6	3	1
		OUTDOOR UNIT CURRENT (A)	7.0	7.7	8.6	9.6	10.8	12.1	13.6
		COMPRESSOR CURRENT (A)	5.8	6.5	7.4	8.4	9.6	11.0	12.5
	INDOOR COIL DB TEMP DROP (°F)	25	25	26	25	25	23	22	
	1400	LIQUID PRESSURE (PSIG)	188	220	257	299	345	396	451
		LIQUID TEMPERATURE (°F)	57	68	78	89	99	110	120
		LIQUID SUBCOOLING (°F)	9	8	8	7	7	6	6
		SUCTION PRESSURE (PSIG)	107	115	123	130	136	142	148
		SUCTION TEMPERATURE (°F)	70	65	61	59	56	56	56
		SUCTION SUPERHEAT (°F)	35	27	19	14	9	6	4
OUTDOOR UNIT CURRENT (A)		7.0	7.7	8.6	9.6	10.8	12.1	13.6	
COMPRESSOR CURRENT (A)		5.8	6.5	7.4	8.4	9.6	11.0	12.5	
INDOOR COIL DB TEMP DROP (°F)	22	22	23	22	22	20	19		
80/62	1000	LIQUID PRESSURE (PSIG)	185	219	257	299	345	395	448
		LIQUID TEMPERATURE (°F)	55	66	78	88	99	110	120
		LIQUID SUBCOOLING (°F)	10	9	8	8	7	6	5
		SUCTION PRESSURE (PSIG)	104	112	119	125	131	136	141
		SUCTION TEMPERATURE (°F)	65	60	55	52	49	47	49
		SUCTION SUPERHEAT (°F)	32	23	15	9	4	0	0
		OUTDOOR UNIT CURRENT (A)	7.0	7.7	8.6	9.6	10.8	12.1	13.6
		COMPRESSOR CURRENT (A)	5.8	6.5	7.4	8.5	9.7	11.0	12.5
	INDOOR COIL DB TEMP DROP (°F)	24	26	27	27	27	26	25	
	1200	LIQUID PRESSURE (PSIG)	187	221	259	301	347	397	450
		LIQUID TEMPERATURE (°F)	56	67	78	88	99	110	120
		LIQUID SUBCOOLING (°F)	10	9	8	8	7	6	5
		SUCTION PRESSURE (PSIG)	107	115	122	128	134	139	144
		SUCTION TEMPERATURE (°F)	69	63	59	55	53	51	50
		SUCTION SUPERHEAT (°F)	34	25	17	11	6	2	0
		OUTDOOR UNIT CURRENT (A)	7.0	7.7	8.6	9.6	10.8	12.1	13.6
		COMPRESSOR CURRENT (A)	5.8	6.5	7.4	8.5	9.7	11.0	12.5
	INDOOR COIL DB TEMP DROP (°F)	21	23	24	24	24	23	22	
	1400	LIQUID PRESSURE (PSIG)	189	223	261	303	349	399	452
		LIQUID TEMPERATURE (°F)	56	67	79	89	100	110	121
		LIQUID SUBCOOLING (°F)	10	9	8	8	7	6	5
		SUCTION PRESSURE (PSIG)	110	118	125	131	137	142	147
		SUCTION TEMPERATURE (°F)	72	67	62	58	56	54	54
		SUCTION SUPERHEAT (°F)	36	27	19	13	8	4	2
OUTDOOR UNIT CURRENT (A)		7.0	7.7	8.6	9.6	10.8	12.1	13.6	
COMPRESSOR CURRENT (A)		5.8	6.5	7.4	8.5	9.7	11.0	12.5	
INDOOR COIL DB TEMP DROP (°F)	18	20	21	21	21	20	19		

Continued on next page.

## YFD36B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1000	LIQUID PRESSURE (PSIG)	190	224	262	305	351	401	455
		LIQUID TEMPERATURE (°F)	57	67	77	88	99	110	120
		LIQUID SUBCOOLING (°F)	10	10	10	9	8	7	6
		SUCTION PRESSURE (PSIG)	107	117	125	133	140	145	149
		SUCTION TEMPERATURE (°F)	69	68	66	64	58	57	52
		SUCTION SUPERHEAT (°F)	34	29	23	18	9	6	0
		OUTDOOR UNIT CURRENT (A)	7.1	7.8	8.7	9.7	10.9	12.2	13.7
		COMPRESSOR CURRENT (A)	5.9	6.6	7.5	8.6	9.8	11.1	12.6
	INDOOR COIL DB TEMP DROP (°F)	19	20	21	22	22	22	21	
	1200	LIQUID PRESSURE (PSIG)	191	225	263	306	352	402	456
		LIQUID TEMPERATURE (°F)	57	67	77	88	99	110	121
		LIQUID SUBCOOLING (°F)	10	10	10	9	8	7	6
		SUCTION PRESSURE (PSIG)	109	119	127	135	142	147	151
		SUCTION TEMPERATURE (°F)	71	70	68	66	60	59	54
		SUCTION SUPERHEAT (°F)	35	30	24	19	10	7	1
		OUTDOOR UNIT CURRENT (A)	7.1	7.8	8.7	9.7	10.9	12.2	13.7
		COMPRESSOR CURRENT (A)	5.9	6.6	7.5	8.6	9.8	11.1	12.6
	INDOOR COIL DB TEMP DROP (°F)	17	18	19	20	20	20	19	
	1400	LIQUID PRESSURE (PSIG)	192	226	264	307	353	403	457
		LIQUID TEMPERATURE (°F)	57	67	77	89	99	110	121
		LIQUID SUBCOOLING (°F)	10	10	10	9	8	7	6
		SUCTION PRESSURE (PSIG)	111	121	129	137	144	149	153
		SUCTION TEMPERATURE (°F)	73	72	69	68	61	60	56
		SUCTION SUPERHEAT (°F)	36	31	25	20	11	8	2
		OUTDOOR UNIT CURRENT (A)	7.1	7.8	8.7	9.7	10.9	12.2	13.7
		COMPRESSOR CURRENT (A)	5.9	6.6	7.5	8.6	9.8	11.1	12.6
	INDOOR COIL DB TEMP DROP (°F)	15	16	17	18	18	18	17	
	80/72	1000	LIQUID PRESSURE (PSIG)	192	226	264	307	354	406
LIQUID TEMPERATURE (°F)			56	66	77	88	99	110	120
LIQUID SUBCOOLING (°F)			11	11	10	10	9	8	8
SUCTION PRESSURE (PSIG)			108	118	128	137	146	153	160
SUCTION TEMPERATURE (°F)			71	72	71	71	69	68	65
SUCTION SUPERHEAT (°F)			36	32	27	23	18	14	9
OUTDOOR UNIT CURRENT (A)			7.1	7.8	8.7	9.7	10.9	12.3	13.8
COMPRESSOR CURRENT (A)			5.9	6.6	7.5	8.6	9.8	11.2	12.7
INDOOR COIL DB TEMP DROP (°F)		15	16	16	17	17	17	17	
1200		LIQUID PRESSURE (PSIG)	193	227	265	308	355	407	463
		LIQUID TEMPERATURE (°F)	56	67	78	88	99	110	120
		LIQUID SUBCOOLING (°F)	11	11	10	10	9	8	8
		SUCTION PRESSURE (PSIG)	109	119	129	138	147	154	161
		SUCTION TEMPERATURE (°F)	73	73	72	72	71	69	67
		SUCTION SUPERHEAT (°F)	37	33	28	24	19	15	10
		OUTDOOR UNIT CURRENT (A)	7.1	7.8	8.7	9.7	10.9	12.3	13.8
		COMPRESSOR CURRENT (A)	5.9	6.6	7.5	8.6	9.8	11.2	12.7
INDOOR COIL DB TEMP DROP (°F)		13	14	14	15	15	15	15	
1400		LIQUID PRESSURE (PSIG)	194	228	266	309	356	408	464
		LIQUID TEMPERATURE (°F)	57	67	78	88	99	110	120
		LIQUID SUBCOOLING (°F)	11	11	10	10	9	8	8
		SUCTION PRESSURE (PSIG)	110	120	130	139	148	155	162
		SUCTION TEMPERATURE (°F)	74	75	74	74	72	71	68
		SUCTION SUPERHEAT (°F)	38	34	29	25	20	16	11
		OUTDOOR UNIT CURRENT (A)	7.1	7.8	8.7	9.7	10.9	12.3	13.8
		COMPRESSOR CURRENT (A)	5.9	6.6	7.5	8.6	9.8	11.2	12.7
INDOOR COIL DB TEMP DROP (°F)		11	12	12	13	13	13	13	

FOR USE WITH MODELS WITH ORIFICE:

**YFD42B21S****TF3B4221S****RAC13F42B21S**

YFD42B21S Superheat Charging Chart															
Outdoor Ambient DB (°F)	Suction Pressure (psig)														
	105	109	114	118	122	127	131	136	140	144	149	153	157	162	166
Suction Temperature (°F)															
55	58	61	67	72	..	..	..	..	..	..	..	..	..	..	..
60	..	55	60	65	70	..	..	..	..	..	..	..	..	..	..
65	..	..	54	58	62	69	..	..	..	..	..	..	..	..	..
70	..	..	..	53	57	62	68	..	..	..	..	..	..	..	..
75	..	..	..	..	51	57	61	68	..	..	..	..	..	..	..
80	..	..	..	..	..	52	57	63	68	..	..	..	..	..	..
85	..	..	..	..	..	49	53	58	62	67	..	..	..	..	..
90	..	..	..	..	..	..	49	54	59	63	69	..	..	..	..
95	..	..	..	..	..	..	..	51	55	59	64	68	..	..	..
100	..	..	..	..	..	..	..	49	53	57	62	65	69	..	..
105	..	..	..	..	..	..	..	..	51	55	59	63	66	..	..
110	..	..	..	..	..	..	..	..	51	54	58	61	64	..	..
115	..	..	..	..	..	..	..	..	50	53	56	59	62	65	..

Superheat Chart is for use with orifice (piston) indoor expansion device only.

To calculate superheat, subtract the refrigerant saturated temperature at the given pressure from the temperature shown in the table.

**YFD42B21S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1200	LIQUID PRESSURE (PSIG)	183	213	247	286	330	378	431
		LIQUID TEMPERATURE (°F)	55	67	77	88	99	108	119
		LIQUID SUBCOOLING (°F)	9	7	6	5	5	4	4
		SUCTION PRESSURE (PSIG)	109	117	123	128	133	136	139
		SUCTION TEMPERATURE (°F)	61	55	52	50	48	49	50
		SUCTION SUPERHEAT (°F)	24	16	10	5	2	1	1
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.7	11.9	13.3	14.8	16.5
		COMPRESSOR CURRENT (A)	7.6	8.5	9.6	10.8	12.1	13.7	15.3
		INDOOR COIL DB TEMP DROP (°F)	23	23	24	24	24	23	22
	1400	LIQUID PRESSURE (PSIG)	184	214	248	287	331	379	432
		LIQUID TEMPERATURE (°F)	56	67	77	88	99	109	119
		LIQUID SUBCOOLING (°F)	9	7	6	5	5	4	4
		SUCTION PRESSURE (PSIG)	111	119	125	130	135	138	141
		SUCTION TEMPERATURE (°F)	63	57	53	51	50	51	52
		SUCTION SUPERHEAT (°F)	25	17	11	6	3	2	2
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.7	11.9	13.3	14.8	16.5
		COMPRESSOR CURRENT (A)	7.6	8.5	9.6	10.8	12.1	13.7	15.3
		INDOOR COIL DB TEMP DROP (°F)	21	21	22	22	22	21	20
	1600	LIQUID PRESSURE (PSIG)	185	215	249	288	332	380	433
		LIQUID TEMPERATURE (°F)	56	67	77	88	99	109	120
		LIQUID SUBCOOLING (°F)	9	7	6	5	5	4	4
		SUCTION PRESSURE (PSIG)	113	121	127	132	137	140	143
		SUCTION TEMPERATURE (°F)	64	59	55	53	52	53	54
		SUCTION SUPERHEAT (°F)	26	18	12	7	4	3	3
OUTDOOR UNIT CURRENT (A)		8.8	9.7	10.7	11.9	13.3	14.8	16.5	
COMPRESSOR CURRENT (A)		7.6	8.5	9.6	10.8	12.1	13.7	15.3	
INDOOR COIL DB TEMP DROP (°F)		19	19	20	20	20	19	18	

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## YFD42B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1200	LIQUID PRESSURE (PSIG)	178	208	243	283	328	377	432
		LIQUID TEMPERATURE (°F)	57	67	78	89	99	109	119
		LIQUID SUBCOOLING (°F)	6	5	4	4	3	3	3
		SUCTION PRESSURE (PSIG)	104	111	119	125	131	136	141
		SUCTION TEMPERATURE (°F)	57	52	49	47	46	48	50
		SUCTION SUPERHEAT (°F)	24	15	9	4	1	0	0
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.7	11.9	13.2	14.8	16.5
		COMPRESSOR CURRENT (A)	7.6	8.5	9.5	10.7	12.1	13.6	15.3
	INDOOR COIL DB TEMP DROP (°F)	30	30	30	29	28	27	25	
	1400	LIQUID PRESSURE (PSIG)	180	210	245	285	330	379	434
		LIQUID TEMPERATURE (°F)	56	67	77	88	99	109	119
		LIQUID SUBCOOLING (°F)	7	6	5	5	4	4	4
		SUCTION PRESSURE (PSIG)	108	115	123	129	135	140	145
		SUCTION TEMPERATURE (°F)	61	56	53	51	50	52	53
		SUCTION SUPERHEAT (°F)	26	17	11	6	3	2	2
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.7	11.9	13.2	14.8	16.5
		COMPRESSOR CURRENT (A)	7.6	8.5	9.5	10.7	12.1	13.6	15.3
	INDOOR COIL DB TEMP DROP (°F)	27	27	27	26	25	24	22	
	1600	LIQUID PRESSURE (PSIG)	182	212	247	287	332	381	436
		LIQUID TEMPERATURE (°F)	56	66	77	88	98	108	118
		LIQUID SUBCOOLING (°F)	8	7	6	6	5	5	5
		SUCTION PRESSURE (PSIG)	112	119	127	133	139	144	149
		SUCTION TEMPERATURE (°F)	65	60	56	55	54	55	57
		SUCTION SUPERHEAT (°F)	28	19	13	8	5	4	4
OUTDOOR UNIT CURRENT (A)		8.8	9.7	10.7	11.9	13.2	14.8	16.5	
COMPRESSOR CURRENT (A)		7.6	8.5	9.5	10.7	12.1	13.6	15.3	
INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	22	21	19		
80/62	1200	LIQUID PRESSURE (PSIG)	182	211	244	283	327	376	431
		LIQUID TEMPERATURE (°F)	56	67	77	88	99	109	119
		LIQUID SUBCOOLING (°F)	8	6	5	4	4	3	3
		SUCTION PRESSURE (PSIG)	109	116	122	128	133	138	142
		SUCTION TEMPERATURE (°F)	61	56	51	50	48	49	50
		SUCTION SUPERHEAT (°F)	25	17	10	5	2	0	1
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.7	11.8	13.2	14.7	16.4
		COMPRESSOR CURRENT (A)	7.6	8.5	9.5	10.7	12.0	13.6	15.3
	INDOOR COIL DB TEMP DROP (°F)	26	27	28	27	27	26	24	
	1400	LIQUID PRESSURE (PSIG)	184	213	246	285	329	378	433
		LIQUID TEMPERATURE (°F)	56	67	77	87	98	108	119
		LIQUID SUBCOOLING (°F)	9	7	6	5	5	4	4
		SUCTION PRESSURE (PSIG)	112	119	125	131	136	141	145
		SUCTION TEMPERATURE (°F)	65	59	54	53	51	52	53
		SUCTION SUPERHEAT (°F)	27	19	12	7	4	2	3
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.7	11.8	13.2	14.7	16.4
		COMPRESSOR CURRENT (A)	7.6	8.5	9.5	10.7	12.0	13.6	15.3
	INDOOR COIL DB TEMP DROP (°F)	24	25	26	25	25	24	22	
	1600	LIQUID PRESSURE (PSIG)	186	215	248	287	331	380	435
		LIQUID TEMPERATURE (°F)	55	66	76	87	98	108	118
		LIQUID SUBCOOLING (°F)	9	7	6	5	5	4	4
		SUCTION PRESSURE (PSIG)	115	122	128	134	139	144	148
		SUCTION TEMPERATURE (°F)	68	63	58	56	54	55	57
		SUCTION SUPERHEAT (°F)	29	21	14	9	6	4	5
OUTDOOR UNIT CURRENT (A)		8.8	9.7	10.7	11.8	13.2	14.7	16.4	
COMPRESSOR CURRENT (A)		7.6	8.5	9.5	10.7	12.0	13.6	15.3	
INDOOR COIL DB TEMP DROP (°F)	22	23	24	23	23	22	20		

Continued on next page.

## YFD42B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1200	LIQUID PRESSURE (PSIG)	187	217	251	290	334	382	435
		LIQUID TEMPERATURE (°F)	56	66	76	87	97	107	118
		LIQUID SUBCOOLING (°F)	10	9	8	7	6	6	5
		SUCTION PRESSURE (PSIG)	113	122	130	137	142	147	149
		SUCTION TEMPERATURE (°F)	67	64	62	59	58	57	56
		SUCTION SUPERHEAT (°F)	29	22	17	12	8	5	4
		OUTDOOR UNIT CURRENT (A)	8.9	9.7	10.7	11.9	13.3	14.8	16.5
		COMPRESSOR CURRENT (A)	7.7	8.5	9.6	10.8	12.1	13.7	15.4
	INDOOR COIL DB TEMP DROP (°F)	21	22	23	23	23	23	22	
	1400	LIQUID PRESSURE (PSIG)	188	218	252	291	335	383	436
		LIQUID TEMPERATURE (°F)	56	66	76	87	98	107	118
		LIQUID SUBCOOLING (°F)	10	9	8	7	6	6	5
		SUCTION PRESSURE (PSIG)	115	124	132	139	144	149	151
		SUCTION TEMPERATURE (°F)	69	65	64	61	60	59	58
		SUCTION SUPERHEAT (°F)	30	23	18	13	9	6	5
		OUTDOOR UNIT CURRENT (A)	8.9	9.7	10.7	11.9	13.3	14.8	16.5
		COMPRESSOR CURRENT (A)	7.7	8.5	9.6	10.8	12.1	13.7	15.4
	INDOOR COIL DB TEMP DROP (°F)	19	20	21	21	21	21	20	
	1600	LIQUID PRESSURE (PSIG)	189	219	253	292	336	384	437
		LIQUID TEMPERATURE (°F)	56	66	77	87	98	108	118
		LIQUID SUBCOOLING (°F)	10	9	8	7	6	6	5
		SUCTION PRESSURE (PSIG)	117	126	134	141	146	151	153
		SUCTION TEMPERATURE (°F)	71	67	66	63	62	60	59
		SUCTION SUPERHEAT (°F)	31	24	19	14	10	7	6
OUTDOOR UNIT CURRENT (A)		8.9	9.7	10.7	11.9	13.3	14.8	16.5	
COMPRESSOR CURRENT (A)		7.7	8.5	9.6	10.8	12.1	13.7	15.4	
INDOOR COIL DB TEMP DROP (°F)	17	18	19	19	19	19	18		
80/72	1200	LIQUID PRESSURE (PSIG)	190	221	256	297	342	391	446
		LIQUID TEMPERATURE (°F)	56	66	76	86	97	108	118
		LIQUID SUBCOOLING (°F)	11	10	9	9	8	8	7
		SUCTION PRESSURE (PSIG)	115	126	136	144	151	156	160
		SUCTION TEMPERATURE (°F)	69	69	69	68	66	66	63
		SUCTION SUPERHEAT (°F)	30	26	22	18	14	10	7
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.8	12.1	13.4	15.0	16.7
		COMPRESSOR CURRENT (A)	7.7	8.6	9.7	10.9	12.3	13.9	15.6
	INDOOR COIL DB TEMP DROP (°F)	16	17	17	17	17	17	16	
	1400	LIQUID PRESSURE (PSIG)	191	222	257	298	343	392	447
		LIQUID TEMPERATURE (°F)	56	66	77	87	97	108	118
		LIQUID SUBCOOLING (°F)	11	10	9	9	8	8	7
		SUCTION PRESSURE (PSIG)	117	128	138	146	153	158	162
		SUCTION TEMPERATURE (°F)	71	71	71	70	68	67	65
		SUCTION SUPERHEAT (°F)	31	27	23	19	15	11	8
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.8	12.1	13.4	15.0	16.7
		COMPRESSOR CURRENT (A)	7.7	8.6	9.7	10.9	12.3	13.9	15.6
	INDOOR COIL DB TEMP DROP (°F)	15	16	16	16	16	16	15	
	1600	LIQUID PRESSURE (PSIG)	192	223	258	299	344	393	448
		LIQUID TEMPERATURE (°F)	56	66	77	87	98	108	118
		LIQUID SUBCOOLING (°F)	11	10	9	9	8	8	7
		SUCTION PRESSURE (PSIG)	119	130	140	148	155	160	164
		SUCTION TEMPERATURE (°F)	73	73	73	72	70	69	67
		SUCTION SUPERHEAT (°F)	32	28	24	20	16	12	9
OUTDOOR UNIT CURRENT (A)		8.9	9.8	10.8	12.1	13.4	15.0	16.7	
COMPRESSOR CURRENT (A)		7.7	8.6	9.7	10.9	12.3	13.9	15.6	
INDOOR COIL DB TEMP DROP (°F)	14	15	15	15	15	15	14		

FOR USE WITH MODELS WITH TXV:

YFD18B21S

TF3B1821S

RAC13F18B21S

YFD18B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	187(7)	190(7)	189(5)	189(4)
60	202(7)	205(8)	205(5)	204(4)
65	219(8)	222(8)	222(6)	221(4)
70	237(8)	240(8)	241(6)	239(4)
75	256(9)	260(9)	261(7)	259(5)
80	276(9)	281(9)	282(7)	279(5)
85	299(9)	303(9)	304(8)	302(6)
90	322(9)	326(10)	328(8)	325(6)
95	347(10)	351(10)	353(9)	350(7)
100	373(10)	377(10)	379(9)	376(7)
105	401(10)	404(11)	407(9)	404(8)
110	430(11)	433(11)	436(10)	433(8)
115	460(11)	463(11)	466(10)	464(9)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YFD18B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	450	LIQUID PRESSURE (PSIG)	189	220	257	299	348	401	461
		LIQUID TEMPERATURE (°F)	59	68	77	86	96	105	116
		LIQUID SUBCOOLING (°F)	7	8	9	10	11	12	12
		SUCTION PRESSURE (PSIG)	121	123	125	127	129	131	133
		SUCTION TEMPERATURE (°F)	49	50	52	53	55	56	58
		SUCTION SUPERHEAT (°F)	8	8	9	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	3.3	3.7	4.1	4.7	5.3	6.0	6.8
		COMPRESSOR CURRENT (A)	2.7	3.1	3.5	4.1	4.7	5.4	6.2
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	25	24	23	
	600	LIQUID PRESSURE (PSIG)	189	220	257	299	348	401	461
		LIQUID TEMPERATURE (°F)	60	69	78	87	97	106	117
		LIQUID SUBCOOLING (°F)	6	7	8	9	10	11	11
		SUCTION PRESSURE (PSIG)	126	128	130	132	134	136	138
		SUCTION TEMPERATURE (°F)	51	52	54	55	57	58	60
		SUCTION SUPERHEAT (°F)	8	8	9	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	3.3	3.7	4.1	4.7	5.3	6.0	6.8
		COMPRESSOR CURRENT (A)	2.7	3.1	3.5	4.1	4.7	5.4	6.2
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	22	21	20	
	750	LIQUID PRESSURE (PSIG)	189	220	257	299	348	401	461
		LIQUID TEMPERATURE (°F)	60	69	78	87	97	106	117
		LIQUID SUBCOOLING (°F)	6	7	8	9	10	11	11
		SUCTION PRESSURE (PSIG)	131	133	135	137	139	141	143
		SUCTION TEMPERATURE (°F)	53	54	56	57	59	60	62
		SUCTION SUPERHEAT (°F)	8	8	9	9	10	11	12
OUTDOOR UNIT CURRENT (A)		3.3	3.7	4.1	4.7	5.3	6.0	6.8	
COMPRESSOR CURRENT (A)		2.7	3.1	3.5	4.1	4.7	5.4	6.2	
INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	17		

Continued on next page.



## YFD18B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	450	LIQUID PRESSURE (PSIG)	186	218	255	298	346	400	459
		LIQUID TEMPERATURE (°F)	57	66	75	86	95	106	115
		LIQUID SUBCOOLING (°F)	8	9	10	10	11	11	12
		SUCTION PRESSURE (PSIG)	109	112	115	118	121	124	128
		SUCTION TEMPERATURE (°F)	44	45	47	48	49	51	52
		SUCTION SUPERHEAT (°F)	8	8	8	8	8	8	8
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.1	4.7	5.3	6.0	6.8
		COMPRESSOR CURRENT (A)	2.7	3.1	3.5	4.1	4.7	5.4	6.2
	INDOOR COIL DB TEMP DROP (°F)	35	34	33	32	31	31	30	
	600	LIQUID PRESSURE (PSIG)	187	219	256	299	347	401	460
		LIQUID TEMPERATURE (°F)	59	67	76	87	96	107	116
		LIQUID SUBCOOLING (°F)	7	8	9	9	10	10	11
		SUCTION PRESSURE (PSIG)	119	122	125	128	131	134	138
		SUCTION TEMPERATURE (°F)	48	50	51	52	53	55	56
		SUCTION SUPERHEAT (°F)	8	8	8	8	8	8	8
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.1	4.7	5.3	6.0	6.8
		COMPRESSOR CURRENT (A)	2.7	3.1	3.5	4.1	4.7	5.4	6.2
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	26	25	
	750	LIQUID PRESSURE (PSIG)	188	220	257	300	348	402	461
		LIQUID TEMPERATURE (°F)	60	69	78	88	98	108	118
		LIQUID SUBCOOLING (°F)	6	7	8	8	9	9	10
		SUCTION PRESSURE (PSIG)	129	132	135	138	141	144	148
		SUCTION TEMPERATURE (°F)	53	54	55	56	57	59	60
		SUCTION SUPERHEAT (°F)	8	8	8	8	8	8	8
		OUTDOOR UNIT CURRENT (A)	3.4	3.7	4.1	4.7	5.3	6.0	6.8
		COMPRESSOR CURRENT (A)	2.7	3.1	3.5	4.1	4.7	5.4	6.2
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	21	20	
	80/62	450	LIQUID PRESSURE (PSIG)	189	221	259	302	350	403
LIQUID TEMPERATURE (°F)			59	68	77	88	97	106	117
LIQUID SUBCOOLING (°F)			7	8	9	9	10	11	11
SUCTION PRESSURE (PSIG)			120	122	124	127	129	132	134
SUCTION TEMPERATURE (°F)			48	49	50	52	53	54	55
SUCTION SUPERHEAT (°F)			7	7	7	8	8	8	8
OUTDOOR UNIT CURRENT (A)			3.3	3.7	4.2	4.7	5.3	6.0	6.8
COMPRESSOR CURRENT (A)			2.7	3.1	3.6	4.1	4.7	5.4	6.2
INDOOR COIL DB TEMP DROP (°F)		32	31	30	30	29	28	27	
600		LIQUID PRESSURE (PSIG)	190	222	260	303	351	404	463
		LIQUID TEMPERATURE (°F)	60	68	78	88	97	107	117
		LIQUID SUBCOOLING (°F)	7	8	9	9	10	11	11
		SUCTION PRESSURE (PSIG)	126	128	130	133	135	138	140
		SUCTION TEMPERATURE (°F)	50	51	52	54	55	56	57
		SUCTION SUPERHEAT (°F)	7	7	7	8	8	8	8
		OUTDOOR UNIT CURRENT (A)	3.3	3.7	4.2	4.7	5.3	6.0	6.8
		COMPRESSOR CURRENT (A)	2.7	3.1	3.6	4.1	4.7	5.4	6.2
INDOOR COIL DB TEMP DROP (°F)		29	28	27	27	26	25	24	
750		LIQUID PRESSURE (PSIG)	191	223	261	304	352	405	464
		LIQUID TEMPERATURE (°F)	60	69	78	88	97	107	117
		LIQUID SUBCOOLING (°F)	7	8	9	9	10	11	11
		SUCTION PRESSURE (PSIG)	132	134	136	139	141	144	146
		SUCTION TEMPERATURE (°F)	53	54	54	57	57	59	59
		SUCTION SUPERHEAT (°F)	7	7	7	8	8	8	8
		OUTDOOR UNIT CURRENT (A)	3.3	3.7	4.2	4.7	5.3	6.0	6.8
		COMPRESSOR CURRENT (A)	2.7	3.1	3.6	4.1	4.7	5.4	6.2
INDOOR COIL DB TEMP DROP (°F)		26	25	24	24	23	22	21	

Continued on next page.

## YFD18B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	450	LIQUID PRESSURE (PSIG)	189	222	261	304	353	407	466
		LIQUID TEMPERATURE (°F)	60	69	79	88	98	108	117
		LIQUID SUBCOOLING (°F)	6	7	8	9	10	10	11
		SUCTION PRESSURE (PSIG)	132	135	137	139	142	144	147
		SUCTION TEMPERATURE (°F)	54	55	56	57	59	61	63
		SUCTION SUPERHEAT (°F)	8	8	8	8	9	10	11
		OUTDOOR UNIT CURRENT (A)	3.3	3.7	4.1	4.7	5.3	6.0	6.8
		COMPRESSOR CURRENT (A)	2.7	3.1	3.5	4.1	4.7	5.4	6.2
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	25	24	23	
	600	LIQUID PRESSURE (PSIG)	189	222	261	304	353	407	466
		LIQUID TEMPERATURE (°F)	61	70	80	89	99	109	118
		LIQUID SUBCOOLING (°F)	5	6	7	8	9	9	10
		SUCTION PRESSURE (PSIG)	137	140	142	144	147	149	152
		SUCTION TEMPERATURE (°F)	56	57	58	59	61	63	65
		SUCTION SUPERHEAT (°F)	8	8	8	8	9	10	11
		OUTDOOR UNIT CURRENT (A)	3.3	3.7	4.1	4.7	5.3	6.0	6.8
		COMPRESSOR CURRENT (A)	2.7	3.1	3.5	4.1	4.7	5.4	6.2
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	22	21	20	
	750	LIQUID PRESSURE (PSIG)	189	222	261	304	353	407	466
		LIQUID TEMPERATURE (°F)	62	71	81	90	100	110	119
		LIQUID SUBCOOLING (°F)	4	5	6	7	8	8	9
		SUCTION PRESSURE (PSIG)	142	145	147	149	152	154	157
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	64	66
		SUCTION SUPERHEAT (°F)	8	8	8	8	9	10	11
OUTDOOR UNIT CURRENT (A)		3.3	3.7	4.1	4.7	5.3	6.0	6.8	
COMPRESSOR CURRENT (A)		2.7	3.1	3.5	4.1	4.7	5.4	6.2	
INDOOR COIL DB TEMP DROP (°F)	21	21	20	19	19	18	17		
80/72	450	LIQUID PRESSURE (PSIG)	188	220	258	301	349	403	463
		LIQUID TEMPERATURE (°F)	62	72	81	90	100	109	119
		LIQUID SUBCOOLING (°F)	4	4	5	6	7	8	9
		SUCTION PRESSURE (PSIG)	143	146	149	152	154	157	159
		SUCTION TEMPERATURE (°F)	60	60	62	62	63	64	67
		SUCTION SUPERHEAT (°F)	10	9	9	8	9	9	11
		OUTDOOR UNIT CURRENT (A)	3.3	3.6	4.1	4.6	5.2	5.9	6.7
		COMPRESSOR CURRENT (A)	2.7	3.0	3.5	4.0	4.6	5.3	6.1
	INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	19	
	600	LIQUID PRESSURE (PSIG)	189	221	259	302	350	404	464
		LIQUID TEMPERATURE (°F)	62	72	81	91	100	110	119
		LIQUID SUBCOOLING (°F)	4	4	5	6	7	8	9
		SUCTION PRESSURE (PSIG)	148	151	154	157	159	162	164
		SUCTION TEMPERATURE (°F)	62	62	63	63	65	66	69
		SUCTION SUPERHEAT (°F)	10	9	9	8	9	9	11
		OUTDOOR UNIT CURRENT (A)	3.3	3.6	4.1	4.6	5.2	5.9	6.7
		COMPRESSOR CURRENT (A)	2.7	3.0	3.5	4.0	4.6	5.3	6.1
	INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	16	16	
	750	LIQUID PRESSURE (PSIG)	190	222	260	303	351	405	465
		LIQUID TEMPERATURE (°F)	63	72	82	91	100	110	119
		LIQUID SUBCOOLING (°F)	4	4	5	6	7	8	9
		SUCTION PRESSURE (PSIG)	153	156	159	162	164	167	169
		SUCTION TEMPERATURE (°F)	64	64	65	65	67	68	71
		SUCTION SUPERHEAT (°F)	10	9	9	8	9	9	11
OUTDOOR UNIT CURRENT (A)		3.3	3.6	4.1	4.6	5.2	5.9	6.7	
COMPRESSOR CURRENT (A)		2.7	3.0	3.5	4.0	4.6	5.3	6.1	
INDOOR COIL DB TEMP DROP (°F)	16	16	15	15	14	13	13		

FOR USE WITH MODELS WITH TXV:

YFD24B21S

TF3B2421S

RAC13F24B21S

YFD24B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	198(7)	200(7)	200(5)	202(4)
60	214(7)	216(7)	216(5)	218(4)
65	232(8)	233(8)	234(6)	236(4)
70	251(8)	252(8)	253(6)	256(4)
75	272(9)	273(9)	274(7)	277(5)
80	295(9)	295(9)	296(8)	299(5)
85	318(10)	319(10)	320(8)	323(6)
90	344(10)	344(10)	346(9)	349(7)
95	370(11)	370(11)	373(10)	376(7)
100	399(12)	398(11)	401(10)	405(8)
105	428(12)	428(12)	431(11)	435(9)
110	460(13)	459(13)	463(12)	466(10)
115	492(13)	492(13)	496(13)	499(12)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YFD24B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	600	LIQUID PRESSURE (PSIG)	199	234	275	321	373	431	494
		LIQUID TEMPERATURE (°F)	61	71	80	90	99	109	118
		LIQUID SUBCOOLING (°F)	8	9	10	11	13	14	15
		SUCTION PRESSURE (PSIG)	118	119	121	123	125	127	130
		SUCTION TEMPERATURE (°F)	49	50	52	54	56	59	62
		SUCTION SUPERHEAT (°F)	8	9	10	11	12	14	15
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.8	6.6	7.5	8.5	9.7
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.9	6.8	7.9	9.0
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	23	22	21	
	800	LIQUID PRESSURE (PSIG)	199	234	275	321	373	431	494
		LIQUID TEMPERATURE (°F)	62	72	81	91	100	110	119
		LIQUID SUBCOOLING (°F)	7	8	9	10	12	13	14
		SUCTION PRESSURE (PSIG)	123	124	126	128	130	132	135
		SUCTION TEMPERATURE (°F)	50	51	53	55	57	60	63
		SUCTION SUPERHEAT (°F)	8	9	10	11	12	14	15
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.8	6.6	7.5	8.5	9.7
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.9	6.8	7.9	9.0
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	21	20	19	
	1000	LIQUID PRESSURE (PSIG)	199	234	275	321	373	431	494
		LIQUID TEMPERATURE (°F)	63	73	82	92	101	111	120
		LIQUID SUBCOOLING (°F)	7	8	9	10	12	13	14
		SUCTION PRESSURE (PSIG)	128	129	131	133	135	137	140
		SUCTION TEMPERATURE (°F)	51	52	54	56	58	61	64
		SUCTION SUPERHEAT (°F)	7	8	9	10	11	13	14
OUTDOOR UNIT CURRENT (A)		4.6	5.1	5.8	6.6	7.5	8.5	9.7	
COMPRESSOR CURRENT (A)		4.0	4.5	5.1	5.9	6.8	7.9	9.0	
INDOOR COIL DB TEMP DROP (°F)	21	21	20	19	19	18	17		

Continued on next page.

## YFD24B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	600	LIQUID PRESSURE (PSIG)	197	231	271	317	369	427	491
		LIQUID TEMPERATURE (°F)	60	69	79	88	97	107	117
		LIQUID SUBCOOLING (°F)	9	10	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	106	108	110	113	117	121	125
		SUCTION TEMPERATURE (°F)	45	47	48	51	53	56	60
		SUCTION SUPERHEAT (°F)	11	12	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.8	6.5	7.4	8.5	9.6
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	5.9	6.8	7.8	9.0
	INDOOR COIL DB TEMP DROP (°F)	32	32	31	30	29	28	27	
	800	LIQUID PRESSURE (PSIG)	198	232	272	318	370	428	492
		LIQUID TEMPERATURE (°F)	62	71	81	90	100	109	119
		LIQUID SUBCOOLING (°F)	7	8	9	10	11	12	13
		SUCTION PRESSURE (PSIG)	116	118	120	123	127	131	135
		SUCTION TEMPERATURE (°F)	49	51	52	54	57	59	63
		SUCTION SUPERHEAT (°F)	10	11	11	12	13	14	16
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.8	6.5	7.4	8.5	9.6
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	5.9	6.8	7.8	9.0
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	26	25	24	23	
	1000	LIQUID PRESSURE (PSIG)	199	233	273	319	371	429	493
		LIQUID TEMPERATURE (°F)	64	73	83	92	102	111	121
		LIQUID SUBCOOLING (°F)	6	7	8	9	10	11	12
		SUCTION PRESSURE (PSIG)	126	128	130	133	137	141	145
		SUCTION TEMPERATURE (°F)	52	54	55	57	60	62	66
		SUCTION SUPERHEAT (°F)	9	10	10	11	12	13	15
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.8	6.5	7.4	8.5	9.6
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	5.9	6.8	7.8	9.0
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	20	19	
	80/62	600	LIQUID PRESSURE (PSIG)	199	232	272	318	369	427
LIQUID TEMPERATURE (°F)			61	70	80	89	98	109	118
LIQUID SUBCOOLING (°F)			9	10	11	12	13	14	15
SUCTION PRESSURE (PSIG)			116	117	119	121	124	127	131
SUCTION TEMPERATURE (°F)			49	49	51	53	55	57	60
SUCTION SUPERHEAT (°F)			6	7	8	8	8	7	6
OUTDOOR UNIT CURRENT (A)			4.6	5.1	5.8	6.5	7.4	8.5	9.6
COMPRESSOR CURRENT (A)			4.0	4.5	5.1	5.9	6.8	7.8	9.0
INDOOR COIL DB TEMP DROP (°F)		30	29	29	28	27	26	25	
800		LIQUID PRESSURE (PSIG)	200	233	273	319	370	428	492
		LIQUID TEMPERATURE (°F)	63	71	81	90	100	110	119
		LIQUID SUBCOOLING (°F)	7	8	9	10	11	12	13
		SUCTION PRESSURE (PSIG)	123	124	126	128	131	134	138
		SUCTION TEMPERATURE (°F)	51	51	53	55	57	59	62
		SUCTION SUPERHEAT (°F)	9	10	11	11	11	10	9
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.8	6.5	7.4	8.5	9.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.9	6.8	7.8	9.0
INDOOR COIL DB TEMP DROP (°F)		27	26	26	25	24	23	22	
1000		LIQUID PRESSURE (PSIG)	201	234	274	320	371	429	493
		LIQUID TEMPERATURE (°F)	64	73	82	91	101	111	120
		LIQUID SUBCOOLING (°F)	6	7	8	9	10	11	12
		SUCTION PRESSURE (PSIG)	130	131	133	135	138	141	145
		SUCTION TEMPERATURE (°F)	53	53	55	57	59	60	64
		SUCTION SUPERHEAT (°F)	8	9	10	10	10	9	8
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.8	6.5	7.4	8.5	9.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.9	6.8	7.8	9.0
INDOOR COIL DB TEMP DROP (°F)		24	23	23	22	21	20	19	

Continued on next page.

## YFD24B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	600	LIQUID PRESSURE (PSIG)	200	234	274	320	373	431	496
		LIQUID TEMPERATURE (°F)	64	73	82	92	101	110	119
		LIQUID SUBCOOLING (°F)	6	7	8	9	11	12	14
		SUCTION PRESSURE (PSIG)	129	131	133	135	138	141	144
		SUCTION TEMPERATURE (°F)	53	54	55	57	59	61	63
		SUCTION SUPERHEAT (°F)	9	9	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.7	6.5	7.4	8.5	9.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.9	6.8	7.8	9.0
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	24	22	21	19	
	800	LIQUID PRESSURE (PSIG)	200	234	274	320	373	431	496
		LIQUID TEMPERATURE (°F)	65	74	83	93	102	111	120
		LIQUID SUBCOOLING (°F)	5	6	7	8	10	11	13
		SUCTION PRESSURE (PSIG)	134	136	138	140	143	146	149
		SUCTION TEMPERATURE (°F)	56	56	57	59	61	63	65
		SUCTION SUPERHEAT (°F)	9	9	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.7	6.5	7.4	8.5	9.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.9	6.8	7.8	9.0
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	20	19	17	
	1000	LIQUID PRESSURE (PSIG)	200	234	274	320	373	431	496
		LIQUID TEMPERATURE (°F)	66	75	84	94	103	112	121
		LIQUID SUBCOOLING (°F)	5	6	7	8	10	11	13
		SUCTION PRESSURE (PSIG)	139	141	143	145	148	151	154
		SUCTION TEMPERATURE (°F)	58	58	59	61	63	65	67
		SUCTION SUPERHEAT (°F)	9	9	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.6	5.1	5.7	6.5	7.4	8.5	9.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.9	6.8	7.8	9.0
	INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	18	17	15	
	80/72	600	LIQUID PRESSURE (PSIG)	201	235	276	322	375	434
LIQUID TEMPERATURE (°F)			65	75	85	94	104	112	120
LIQUID SUBCOOLING (°F)			5	5	6	7	8	10	13
SUCTION PRESSURE (PSIG)			142	145	148	150	153	155	157
SUCTION TEMPERATURE (°F)			61	60	60	61	62	64	64
SUCTION SUPERHEAT (°F)			10	9	8	8	8	8	9
OUTDOOR UNIT CURRENT (A)			4.7	5.1	5.8	6.5	7.4	8.4	9.6
COMPRESSOR CURRENT (A)			4.0	4.5	5.1	5.9	6.8	7.8	9.0
INDOOR COIL DB TEMP DROP (°F)		19	19	19	18	18	17	17	
800		LIQUID PRESSURE (PSIG)	202	236	277	323	376	435	499
		LIQUID TEMPERATURE (°F)	66	77	86	95	105	113	121
		LIQUID SUBCOOLING (°F)	4	4	5	6	7	9	12
		SUCTION PRESSURE (PSIG)	147	150	153	155	158	160	162
		SUCTION TEMPERATURE (°F)	64	63	63	64	65	66	67
		SUCTION SUPERHEAT (°F)	11	10	9	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	4.7	5.1	5.8	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.9	6.8	7.8	9.0
INDOOR COIL DB TEMP DROP (°F)		17	17	17	16	16	15	15	
1000		LIQUID PRESSURE (PSIG)	203	237	278	324	377	436	500
		LIQUID TEMPERATURE (°F)	68	78	87	97	106	114	123
		LIQUID SUBCOOLING (°F)	4	4	5	6	7	9	12
		SUCTION PRESSURE (PSIG)	152	155	158	160	163	165	167
		SUCTION TEMPERATURE (°F)	66	66	66	66	67	69	70
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	4.7	5.1	5.8	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.9	6.8	7.8	9.0
INDOOR COIL DB TEMP DROP (°F)		15	15	15	14	14	13	13	

FOR USE WITH MODELS WITH TXV:  
**YFD30B21S**  
**TF3B3021S**  
**RAC13F30B21S**

YFD30B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	183(7)	184(7)	186(8)	193(11)
60	199(7)	201(8)	203(8)	208(11)
65	217(8)	219(8)	220(8)	225(10)
70	236(8)	238(9)	239(9)	243(10)
75	256(8)	258(9)	259(9)	262(9)
80	278(9)	280(10)	280(9)	283(9)
85	301(9)	303(10)	303(9)	305(9)
90	325(10)	327(10)	327(10)	329(9)
95	351(10)	353(11)	353(10)	354(9)
100	378(11)	379(11)	379(10)	381(10)
105	406(11)	407(12)	407(11)	409(10)
110	436(12)	437(12)	437(11)	439(11)
115	467(12)	467(12)	467(12)	470(12)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**YFD30B21S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	800	LIQUID PRESSURE (PSIG)	184	220	260	304	354	408	468
		LIQUID TEMPERATURE (°F)	57	67	77	86	96	106	116
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	12	13
		SUCTION PRESSURE (PSIG)	119	121	123	125	127	130	132
		SUCTION TEMPERATURE (°F)	48	49	49	50	51	52	53
		SUCTION SUPERHEAT (°F)	8	8	7	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.3	9.3	10.5	11.9
		COMPRESSOR CURRENT (A)	5.0	5.7	6.4	7.4	8.4	9.7	11.0
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	24	23	22	
	1000	LIQUID PRESSURE (PSIG)	183	219	259	303	353	407	467
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117
		LIQUID SUBCOOLING (°F)	7	8	9	10	11	11	12
		SUCTION PRESSURE (PSIG)	123	125	127	129	131	134	136
		SUCTION TEMPERATURE (°F)	50	51	51	52	52	54	54
		SUCTION SUPERHEAT (°F)	8	8	7	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.3	9.3	10.5	11.9
		COMPRESSOR CURRENT (A)	5.0	5.7	6.4	7.4	8.4	9.7	11.0
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20	
	1200	LIQUID PRESSURE (PSIG)	182	218	258	302	352	406	466
		LIQUID TEMPERATURE (°F)	57	67	77	87	96	107	116
		LIQUID SUBCOOLING (°F)	7	8	9	10	11	11	12
		SUCTION PRESSURE (PSIG)	127	129	131	133	135	138	140
		SUCTION TEMPERATURE (°F)	52	53	52	53	54	55	56
		SUCTION SUPERHEAT (°F)	8	8	7	7	7	7	7
OUTDOOR UNIT CURRENT (A)		6.0	6.6	7.4	8.3	9.3	10.5	11.9	
COMPRESSOR CURRENT (A)		5.0	5.7	6.4	7.4	8.4	9.7	11.0	
INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	19	18		

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## YFD30B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	800	LIQUID PRESSURE (PSIG)	183	217	256	301	351	406	467
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116
		LIQUID SUBCOOLING (°F)	8	9	9	10	11	12	13
		SUCTION PRESSURE (PSIG)	111	113	116	119	123	127	131
		SUCTION TEMPERATURE (°F)	44	45	45	46	48	50	51
		SUCTION SUPERHEAT (°F)	7	7	6	6	6	6	6
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.3	8.2	9.3	10.5	11.8
		COMPRESSOR CURRENT (A)	5.0	5.6	6.4	7.3	8.4	9.6	11.0
	INDOOR COIL DB TEMP DROP (°F)	33	33	32	31	30	29	27	
	1000	LIQUID PRESSURE (PSIG)	183	217	256	301	351	406	467
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117
		LIQUID SUBCOOLING (°F)	7	8	8	9	10	11	12
		SUCTION PRESSURE (PSIG)	118	120	123	126	130	134	138
		SUCTION TEMPERATURE (°F)	47	48	48	49	51	53	54
		SUCTION SUPERHEAT (°F)	7	7	6	6	6	6	6
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.3	8.2	9.3	10.5	11.8
		COMPRESSOR CURRENT (A)	5.0	5.6	6.4	7.3	8.4	9.6	11.0
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	26	25	23	
	1200	LIQUID PRESSURE (PSIG)	183	217	256	301	351	406	467
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	108	118
		LIQUID SUBCOOLING (°F)	6	7	7	8	9	10	11
		SUCTION PRESSURE (PSIG)	125	127	130	133	137	141	145
		SUCTION TEMPERATURE (°F)	50	51	51	52	54	55	57
		SUCTION SUPERHEAT (°F)	7	7	6	6	6	6	6
OUTDOOR UNIT CURRENT (A)		6.0	6.6	7.3	8.2	9.3	10.5	11.8	
COMPRESSOR CURRENT (A)		5.0	5.6	6.4	7.3	8.4	9.6	11.0	
INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	21	19		
80/62	800	LIQUID PRESSURE (PSIG)	185	220	259	304	354	408	468
		LIQUID TEMPERATURE (°F)	57	67	76	86	96	105	116
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	13
		SUCTION PRESSURE (PSIG)	118	120	122	125	128	131	134
		SUCTION TEMPERATURE (°F)	48	48	48	49	50	52	55
		SUCTION SUPERHEAT (°F)	8	7	6	6	6	7	8
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.3	9.3	10.5	11.9
		COMPRESSOR CURRENT (A)	5.0	5.7	6.4	7.4	8.4	9.6	11.0
	INDOOR COIL DB TEMP DROP (°F)	31	30	30	29	28	27	26	
	1000	LIQUID PRESSURE (PSIG)	184	219	258	303	353	407	467
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	106	117
		LIQUID SUBCOOLING (°F)	7	8	9	10	11	12	12
		SUCTION PRESSURE (PSIG)	123	125	127	130	133	136	139
		SUCTION TEMPERATURE (°F)	50	50	50	51	52	54	57
		SUCTION SUPERHEAT (°F)	8	7	6	6	6	7	8
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.3	9.3	10.5	11.9
		COMPRESSOR CURRENT (A)	5.0	5.7	6.4	7.4	8.4	9.6	11.0
	INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	24	23	
	1200	LIQUID PRESSURE (PSIG)	183	218	257	302	352	406	466
		LIQUID TEMPERATURE (°F)	58	68	78	88	97	107	117
		LIQUID SUBCOOLING (°F)	6	7	8	9	10	11	11
		SUCTION PRESSURE (PSIG)	128	130	132	135	138	141	144
		SUCTION TEMPERATURE (°F)	52	52	52	53	54	56	59
		SUCTION SUPERHEAT (°F)	8	7	6	6	6	7	8
OUTDOOR UNIT CURRENT (A)		6.0	6.6	7.4	8.3	9.3	10.5	11.9	
COMPRESSOR CURRENT (A)		5.0	5.7	6.4	7.4	8.4	9.6	11.0	
INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	21	20		

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## YFD30B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	800	LIQUID PRESSURE (PSIG)	186	220	259	303	353	407	467
		LIQUID TEMPERATURE (°F)	57	68	77	88	98	107	117
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	11	12
		SUCTION PRESSURE (PSIG)	126	130	134	137	140	142	145
		SUCTION TEMPERATURE (°F)	58	55	54	53	53	55	58
		SUCTION SUPERHEAT (°F)	15	10	7	5	4	5	7
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.3	9.3	10.5	11.8
		COMPRESSOR CURRENT (A)	5.1	5.7	6.5	7.4	8.4	9.6	11.0
	INDOOR COIL DB TEMP DROP (°F)	24	25	24	24	24	23	22	
	1000	LIQUID PRESSURE (PSIG)	186	220	259	303	353	407	467
		LIQUID TEMPERATURE (°F)	57	68	77	88	98	107	117
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	11	12
		SUCTION PRESSURE (PSIG)	130	134	138	141	144	146	149
		SUCTION TEMPERATURE (°F)	61	58	56	55	56	57	61
		SUCTION SUPERHEAT (°F)	16	11	8	6	5	6	8
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.3	9.3	10.5	11.8
		COMPRESSOR CURRENT (A)	5.1	5.7	6.5	7.4	8.4	9.6	11.0
	INDOOR COIL DB TEMP DROP (°F)	22	23	22	22	22	21	20	
	1200	LIQUID PRESSURE (PSIG)	186	220	259	303	353	407	467
		LIQUID TEMPERATURE (°F)	57	68	77	88	98	107	117
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	11	12
		SUCTION PRESSURE (PSIG)	134	138	142	145	148	150	153
		SUCTION TEMPERATURE (°F)	64	60	59	58	58	60	63
		SUCTION SUPERHEAT (°F)	17	12	9	7	6	7	9
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	8.3	9.3	10.5	11.8
		COMPRESSOR CURRENT (A)	5.1	5.7	6.5	7.4	8.4	9.6	11.0
	INDOOR COIL DB TEMP DROP (°F)	20	21	20	20	20	19	18	
	80/72	800	LIQUID PRESSURE (PSIG)	192	224	261	304	353	408
LIQUID TEMPERATURE (°F)			56	67	78	88	99	108	117
LIQUID SUBCOOLING (°F)			11	10	9	9	9	10	12
SUCTION PRESSURE (PSIG)			126	136	144	150	155	157	158
SUCTION TEMPERATURE (°F)			67	64	62	61	61	60	63
SUCTION SUPERHEAT (°F)			24	17	11	8	6	5	7
OUTDOOR UNIT CURRENT (A)			6.1	6.7	7.4	8.3	9.3	10.5	11.9
COMPRESSOR CURRENT (A)			5.1	5.7	6.5	7.4	8.4	9.7	11.0
INDOOR COIL DB TEMP DROP (°F)		18	19	19	19	19	18	17	
1000		LIQUID PRESSURE (PSIG)	193	225	262	305	354	409	470
		LIQUID TEMPERATURE (°F)	57	67	78	88	99	109	117
		LIQUID SUBCOOLING (°F)	11	10	9	9	9	10	12
		SUCTION PRESSURE (PSIG)	129	139	147	153	158	160	161
		SUCTION TEMPERATURE (°F)	70	67	64	63	63	63	65
		SUCTION SUPERHEAT (°F)	25	18	12	9	7	6	8
		OUTDOOR UNIT CURRENT (A)	6.1	6.7	7.4	8.3	9.3	10.5	11.9
		COMPRESSOR CURRENT (A)	5.1	5.7	6.5	7.4	8.4	9.7	11.0
INDOOR COIL DB TEMP DROP (°F)		16	17	17	17	17	16	15	
1200		LIQUID PRESSURE (PSIG)	194	226	263	306	355	410	471
		LIQUID TEMPERATURE (°F)	57	67	78	89	99	109	117
		LIQUID SUBCOOLING (°F)	11	10	9	9	9	10	12
		SUCTION PRESSURE (PSIG)	132	142	150	156	161	163	164
		SUCTION TEMPERATURE (°F)	72	69	66	65	65	65	67
		SUCTION SUPERHEAT (°F)	26	19	13	10	8	7	9
		OUTDOOR UNIT CURRENT (A)	6.1	6.7	7.4	8.3	9.3	10.5	11.9
		COMPRESSOR CURRENT (A)	5.1	5.7	6.5	7.4	8.4	9.7	11.0
INDOOR COIL DB TEMP DROP (°F)		14	15	15	15	15	14	13	



FOR USE WITH MODELS WITH TXV:

YFD36B21S

TF3B3621S

RAC13F36B21S

YFD36B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	184(7)	186(7)	184(6)	187(7)
60	201(7)	203(8)	202(7)	203(7)
65	219(8)	221(8)	220(7)	220(7)
70	239(8)	241(9)	240(8)	239(7)
75	260(9)	262(9)	261(8)	260(7)
80	282(9)	284(10)	284(9)	282(7)
85	306(10)	308(11)	307(9)	305(7)
90	331(11)	333(11)	333(10)	330(8)
95	357(11)	359(12)	359(11)	357(9)
100	385(12)	387(12)	387(11)	385(9)
105	414(12)	415(13)	416(12)	415(10)
110	445(13)	446(13)	446(12)	446(11)
115	477(14)	477(14)	478(13)	478(12)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YFD36B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1000	LIQUID PRESSURE (PSIG)	185	220	260	306	358	415	478
		LIQUID TEMPERATURE (°F)	58	68	77	87	97	107	116
		LIQUID SUBCOOLING (°F)	7	8	9	10	11	12	14
		SUCTION PRESSURE (PSIG)	120	122	124	126	128	131	133
		SUCTION TEMPERATURE (°F)	50	51	51	52	53	55	56
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	7.0	7.7	8.6	9.7	11.0	12.5	14.3
		COMPRESSOR CURRENT (A)	5.8	6.5	7.4	8.5	9.9	11.4	13.2
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	23	22	21
	1200	LIQUID PRESSURE (PSIG)	185	220	260	306	358	415	478
		LIQUID TEMPERATURE (°F)	58	68	77	87	97	107	116
		LIQUID SUBCOOLING (°F)	7	8	9	10	11	12	14
		SUCTION PRESSURE (PSIG)	123	125	127	129	131	134	136
		SUCTION TEMPERATURE (°F)	51	52	53	53	54	57	57
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	7.0	7.7	8.6	9.7	11.0	12.5	14.3
		COMPRESSOR CURRENT (A)	5.8	6.5	7.4	8.5	9.9	11.4	13.2
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19
	1400	LIQUID PRESSURE (PSIG)	185	220	260	306	358	415	478
		LIQUID TEMPERATURE (°F)	58	68	77	87	97	107	116
		LIQUID SUBCOOLING (°F)	7	8	9	10	11	12	14
		SUCTION PRESSURE (PSIG)	126	128	130	132	134	137	139
		SUCTION TEMPERATURE (°F)	52	53	54	55	56	58	59
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	10	10
OUTDOOR UNIT CURRENT (A)		7.0	7.7	8.6	9.7	11.0	12.5	14.3	
COMPRESSOR CURRENT (A)		5.8	6.5	7.4	8.5	9.9	11.4	13.2	
INDOOR COIL DB TEMP DROP (°F)		21	20	20	19	19	18	17	

Continued on next page.

## YFD36B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1000	LIQUID PRESSURE (PSIG)	184	219	260	306	357	414	477
		LIQUID TEMPERATURE (°F)	57	66	76	86	96	106	115
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	15
		SUCTION PRESSURE (PSIG)	111	114	118	121	123	126	128
		SUCTION TEMPERATURE (°F)	45	46	48	49	51	52	54
		SUCTION SUPERHEAT (°F)	8	8	8	8	9	9	10
		OUTDOOR UNIT CURRENT (A)	7.0	7.7	8.6	9.7	11.0	12.5	14.3
		COMPRESSOR CURRENT (A)	5.8	6.5	7.4	8.5	9.9	11.4	13.2
	INDOOR COIL DB TEMP DROP (°F)	31	30	29	29	28	27	27	
	1200	LIQUID PRESSURE (PSIG)	184	219	260	306	357	414	477
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	116
		LIQUID SUBCOOLING (°F)	7	8	9	10	11	12	14
		SUCTION PRESSURE (PSIG)	118	121	125	128	130	133	135
		SUCTION TEMPERATURE (°F)	48	49	51	52	54	55	57
		SUCTION SUPERHEAT (°F)	8	8	8	8	9	9	10
		OUTDOOR UNIT CURRENT (A)	7.0	7.7	8.6	9.7	11.0	12.5	14.3
		COMPRESSOR CURRENT (A)	5.8	6.5	7.4	8.5	9.9	11.4	13.2
	INDOOR COIL DB TEMP DROP (°F)	28	27	26	26	25	24	24	
	1400	LIQUID PRESSURE (PSIG)	184	219	260	306	357	414	477
		LIQUID TEMPERATURE (°F)	59	68	78	88	98	108	117
		LIQUID SUBCOOLING (°F)	6	7	8	9	10	11	13
		SUCTION PRESSURE (PSIG)	125	128	132	135	137	140	142
		SUCTION TEMPERATURE (°F)	51	52	54	55	57	58	60
		SUCTION SUPERHEAT (°F)	8	8	8	8	9	9	10
		OUTDOOR UNIT CURRENT (A)	7.0	7.7	8.6	9.7	11.0	12.5	14.3
		COMPRESSOR CURRENT (A)	5.8	6.5	7.4	8.5	9.9	11.4	13.2
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	21	
	80/62	1000	LIQUID PRESSURE (PSIG)	187	222	263	309	360	416
LIQUID TEMPERATURE (°F)			58	67	77	86	96	106	115
LIQUID SUBCOOLING (°F)			8	9	10	12	13	14	15
SUCTION PRESSURE (PSIG)			120	122	124	126	129	132	135
SUCTION TEMPERATURE (°F)			49	50	50	52	53	56	58
SUCTION SUPERHEAT (°F)			8	8	8	9	9	10	11
OUTDOOR UNIT CURRENT (A)			7.1	7.8	8.7	9.8	11.1	12.6	14.3
COMPRESSOR CURRENT (A)			5.9	6.6	7.5	8.6	9.9	11.4	13.2
INDOOR COIL DB TEMP DROP (°F)		29	28	28	27	26	25	24	
1200		LIQUID PRESSURE (PSIG)	186	221	262	308	359	415	477
		LIQUID TEMPERATURE (°F)	58	68	78	87	97	106	116
		LIQUID SUBCOOLING (°F)	7	8	9	11	12	13	14
		SUCTION PRESSURE (PSIG)	124	126	128	130	133	136	139
		SUCTION TEMPERATURE (°F)	50	51	52	54	55	57	60
		SUCTION SUPERHEAT (°F)	8	8	8	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	7.1	7.8	8.7	9.8	11.1	12.6	14.3
		COMPRESSOR CURRENT (A)	5.9	6.6	7.5	8.6	9.9	11.4	13.2
INDOOR COIL DB TEMP DROP (°F)		27	26	26	25	24	23	22	
1400		LIQUID PRESSURE (PSIG)	185	220	261	307	358	414	476
		LIQUID TEMPERATURE (°F)	59	69	79	88	97	107	117
		LIQUID SUBCOOLING (°F)	6	7	8	10	11	12	13
		SUCTION PRESSURE (PSIG)	128	130	132	134	137	140	143
		SUCTION TEMPERATURE (°F)	52	53	54	56	57	59	61
		SUCTION SUPERHEAT (°F)	8	8	8	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	7.1	7.8	8.7	9.8	11.1	12.6	14.3
		COMPRESSOR CURRENT (A)	5.9	6.6	7.5	8.6	9.9	11.4	13.2
INDOOR COIL DB TEMP DROP (°F)		25	24	24	23	22	21	20	

Continued on next page.

## YFD36B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1000	LIQUID PRESSURE (PSIG)	184	220	261	307	359	416	478
		LIQUID TEMPERATURE (°F)	59	69	79	89	98	108	117
		LIQUID SUBCOOLING (°F)	6	7	8	9	11	12	13
		SUCTION PRESSURE (PSIG)	131	133	135	138	140	143	145
		SUCTION TEMPERATURE (°F)	56	56	56	56	57	59	61
		SUCTION SUPERHEAT (°F)	11	10	9	8	8	9	10
		OUTDOOR UNIT CURRENT (A)	7.1	7.8	8.6	9.7	11.0	12.5	14.1
		COMPRESSOR CURRENT (A)	5.9	6.6	7.5	8.6	9.9	11.3	13.0
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	23	22	21	
	1200	LIQUID PRESSURE (PSIG)	184	220	261	307	359	416	478
		LIQUID TEMPERATURE (°F)	59	69	79	89	98	108	117
		LIQUID SUBCOOLING (°F)	6	7	8	9	11	12	13
		SUCTION PRESSURE (PSIG)	134	136	138	141	143	146	148
		SUCTION TEMPERATURE (°F)	58	57	57	57	58	60	62
		SUCTION SUPERHEAT (°F)	11	10	9	8	8	9	10
		OUTDOOR UNIT CURRENT (A)	7.1	7.8	8.6	9.7	11.0	12.5	14.1
		COMPRESSOR CURRENT (A)	5.9	6.6	7.5	8.6	9.9	11.3	13.0
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	21	21	20	19	
	1400	LIQUID PRESSURE (PSIG)	184	220	261	307	359	416	478
		LIQUID TEMPERATURE (°F)	59	69	79	89	98	108	117
		LIQUID SUBCOOLING (°F)	6	7	8	9	11	12	13
		SUCTION PRESSURE (PSIG)	137	139	141	144	146	149	151
		SUCTION TEMPERATURE (°F)	59	59	58	58	59	61	63
		SUCTION SUPERHEAT (°F)	11	10	9	8	8	9	10
OUTDOOR UNIT CURRENT (A)		7.1	7.8	8.6	9.7	11.0	12.5	14.1	
COMPRESSOR CURRENT (A)		5.9	6.6	7.5	8.6	9.9	11.3	13.0	
INDOOR COIL DB TEMP DROP (°F)	20	20	20	19	19	18	17		
80/72	1000	LIQUID PRESSURE (PSIG)	186	219	259	304	356	414	477
		LIQUID TEMPERATURE (°F)	58	68	79	90	99	109	118
		LIQUID SUBCOOLING (°F)	7	7	7	7	9	10	12
		SUCTION PRESSURE (PSIG)	137	142	146	150	153	155	157
		SUCTION TEMPERATURE (°F)	64	62	60	61	61	63	64
		SUCTION SUPERHEAT (°F)	16	12	9	8	7	8	9
		OUTDOOR UNIT CURRENT (A)	7.1	7.8	8.7	9.7	11.0	12.4	14.0
		COMPRESSOR CURRENT (A)	5.9	6.6	7.5	8.6	9.8	11.3	12.9
	INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	18	17	17	
	1200	LIQUID PRESSURE (PSIG)	187	220	260	305	357	415	478
		LIQUID TEMPERATURE (°F)	59	69	79	90	99	109	118
		LIQUID SUBCOOLING (°F)	7	7	7	7	9	10	12
		SUCTION PRESSURE (PSIG)	140	145	149	153	156	158	160
		SUCTION TEMPERATURE (°F)	66	64	62	63	63	65	66
		SUCTION SUPERHEAT (°F)	17	13	10	9	8	9	10
		OUTDOOR UNIT CURRENT (A)	7.1	7.8	8.7	9.7	11.0	12.4	14.0
		COMPRESSOR CURRENT (A)	5.9	6.6	7.5	8.6	9.8	11.3	12.9
	INDOOR COIL DB TEMP DROP (°F)	17	17	17	17	16	15	15	
	1400	LIQUID PRESSURE (PSIG)	188	221	261	306	358	416	479
		LIQUID TEMPERATURE (°F)	59	69	80	90	99	110	118
		LIQUID SUBCOOLING (°F)	7	7	7	7	9	10	12
		SUCTION PRESSURE (PSIG)	143	148	152	156	159	161	163
		SUCTION TEMPERATURE (°F)	68	66	64	65	65	67	68
		SUCTION SUPERHEAT (°F)	18	14	11	10	9	10	11
OUTDOOR UNIT CURRENT (A)		7.1	7.8	8.7	9.7	11.0	12.4	14.0	
COMPRESSOR CURRENT (A)		5.9	6.6	7.5	8.6	9.8	11.3	12.9	
INDOOR COIL DB TEMP DROP (°F)	15	15	15	15	14	13	13		

FOR USE WITH MODELS WITH TXV:

YFD42B21S

TF3B4221S

RAC13F42B21S

YFD42B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	169(2)	171(3)	174(4)	178(5)
60	188(4)	188(4)	190(4)	192(5)
65	208(5)	206(5)	207(5)	209(5)
70	229(6)	226(5)	226(5)	226(4)
75	251(7)	247(6)	246(5)	246(4)
80	273(7)	269(7)	267(6)	267(5)
85	296(8)	292(8)	290(6)	289(5)
90	320(8)	317(8)	315(7)	313(5)
95	345(9)	343(9)	341(7)	339(6)
100	370(9)	370(10)	368(8)	366(6)
105	397(9)	399(10)	397(9)	395(7)
110	424(9)	429(11)	427(10)	426(8)
115	451(9)	460(11)	458(10)	458(9)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YFD42B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1200	LIQUID PRESSURE (PSIG)	173	210	252	298	349	405	465
		LIQUID TEMPERATURE (°F)	58	68	77	88	97	107	116
		LIQUID SUBCOOLING (°F)	3	5	7	8	10	11	12
		SUCTION PRESSURE (PSIG)	118	121	123	125	128	130	133
		SUCTION TEMPERATURE (°F)	53	53	54	56	57	60	62
		SUCTION SUPERHEAT (°F)	13	12	12	13	13	15	16
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.7	12.0	13.4	15.0	16.9
		COMPRESSOR CURRENT (A)	7.7	8.5	9.6	10.8	12.3	13.9	15.8
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	23	22	21	
	1400	LIQUID PRESSURE (PSIG)	172	209	251	297	348	404	464
		LIQUID TEMPERATURE (°F)	58	67	77	87	96	106	116
		LIQUID SUBCOOLING (°F)	3	5	7	8	10	11	12
		SUCTION PRESSURE (PSIG)	121	124	126	128	131	133	136
		SUCTION TEMPERATURE (°F)	54	54	55	57	58	61	63
		SUCTION SUPERHEAT (°F)	13	12	12	13	13	15	16
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.7	12.0	13.4	15.0	16.9
		COMPRESSOR CURRENT (A)	7.7	8.5	9.6	10.8	12.3	13.9	15.8
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	21	21	20	19	
	1600	LIQUID PRESSURE (PSIG)	171	208	250	296	347	403	463
		LIQUID TEMPERATURE (°F)	57	67	77	87	96	106	116
		LIQUID SUBCOOLING (°F)	3	5	7	8	10	11	12
		SUCTION PRESSURE (PSIG)	124	127	129	131	134	136	139
		SUCTION TEMPERATURE (°F)	55	56	56	58	60	62	65
		SUCTION SUPERHEAT (°F)	13	12	12	13	13	15	16
OUTDOOR UNIT CURRENT (A)		8.8	9.7	10.7	12.0	13.4	15.0	16.9	
COMPRESSOR CURRENT (A)		7.7	8.5	9.6	10.8	12.3	13.9	15.8	
INDOOR COIL DB TEMP DROP (°F)	20	20	20	19	19	18	17		

Continued on next page.

## YFD42B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1200	LIQUID PRESSURE (PSIG)	166	205	248	293	342	394	448
		LIQUID TEMPERATURE (°F)	57	66	76	86	96	106	116
		LIQUID SUBCOOLING (°F)	2	5	7	8	9	9	9
		SUCTION PRESSURE (PSIG)	112	115	118	122	126	131	136
		SUCTION TEMPERATURE (°F)	48	49	51	53	54	56	57
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	10
		OUTDOOR UNIT CURRENT (A)	8.7	9.6	10.7	11.9	13.3	14.8	16.6
		COMPRESSOR CURRENT (A)	7.5	8.5	9.5	10.8	12.2	13.7	15.5
	INDOOR COIL DB TEMP DROP (°F)	31	30	29	28	27	26	24	
	1400	LIQUID PRESSURE (PSIG)	169	208	251	296	345	397	451
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	117
		LIQUID SUBCOOLING (°F)	2	5	7	8	9	9	9
		SUCTION PRESSURE (PSIG)	116	119	122	126	130	135	140
		SUCTION TEMPERATURE (°F)	52	53	55	56	58	60	61
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.8	12.0	13.4	14.9	16.7
		COMPRESSOR CURRENT (A)	7.6	8.6	9.6	10.9	12.3	13.8	15.6
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	22	
	1600	LIQUID PRESSURE (PSIG)	172	211	254	299	348	400	454
		LIQUID TEMPERATURE (°F)	59	68	78	88	97	108	117
		LIQUID SUBCOOLING (°F)	2	5	7	8	9	9	9
		SUCTION PRESSURE (PSIG)	120	123	126	130	134	139	144
		SUCTION TEMPERATURE (°F)	56	57	58	60	62	64	64
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	14
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.9	12.1	13.5	15.0	16.8
		COMPRESSOR CURRENT (A)	7.7	8.7	9.7	11.0	12.4	13.9	15.7
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	20	
	80/62	1200	LIQUID PRESSURE (PSIG)	171	206	247	292	343	399
LIQUID TEMPERATURE (°F)			57	66	77	86	96	106	116
LIQUID SUBCOOLING (°F)			3	5	6	8	9	10	11
SUCTION PRESSURE (PSIG)			118	120	122	125	128	131	134
SUCTION TEMPERATURE (°F)			54	54	54	55	57	59	63
SUCTION SUPERHEAT (°F)			14	13	12	12	13	14	16
OUTDOOR UNIT CURRENT (A)			8.9	9.7	10.7	11.9	13.3	14.9	16.8
COMPRESSOR CURRENT (A)			7.7	8.5	9.5	10.7	12.2	13.8	15.7
INDOOR COIL DB TEMP DROP (°F)		28	28	28	27	26	25	24	
1400		LIQUID PRESSURE (PSIG)	171	206	247	292	343	399	460
		LIQUID TEMPERATURE (°F)	57	66	77	86	96	106	116
		LIQUID SUBCOOLING (°F)	3	5	6	8	9	10	11
		SUCTION PRESSURE (PSIG)	122	124	126	129	132	135	138
		SUCTION TEMPERATURE (°F)	56	55	55	56	59	61	64
		SUCTION SUPERHEAT (°F)	14	13	12	12	13	14	16
		OUTDOOR UNIT CURRENT (A)	8.9	9.7	10.7	11.9	13.3	14.9	16.8
		COMPRESSOR CURRENT (A)	7.7	8.5	9.5	10.7	12.2	13.8	15.7
INDOOR COIL DB TEMP DROP (°F)		26	26	26	25	24	23	22	
1600		LIQUID PRESSURE (PSIG)	171	206	247	292	343	399	460
		LIQUID TEMPERATURE (°F)	57	66	77	86	96	106	116
		LIQUID SUBCOOLING (°F)	3	5	6	8	9	10	11
		SUCTION PRESSURE (PSIG)	126	128	130	133	136	139	142
		SUCTION TEMPERATURE (°F)	58	58	58	59	61	64	67
		SUCTION SUPERHEAT (°F)	15	14	13	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	8.9	9.7	10.7	11.9	13.3	14.9	16.8
		COMPRESSOR CURRENT (A)	7.7	8.5	9.5	10.7	12.2	13.8	15.7
INDOOR COIL DB TEMP DROP (°F)		24	24	24	23	22	21	20	

Continued on next page.

## YFD42B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1200	LIQUID PRESSURE (PSIG)	174	207	246	290	341	397	458
		LIQUID TEMPERATURE (°F)	57	67	78	88	98	107	117
		LIQUID SUBCOOLING (°F)	4	5	5	6	7	9	10
		SUCTION PRESSURE (PSIG)	126	130	134	137	140	142	145
		SUCTION TEMPERATURE (°F)	60	59	59	59	60	62	65
		SUCTION SUPERHEAT (°F)	17	14	12	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	8.9	9.7	10.7	11.9	13.4	15.0	16.8
		COMPRESSOR CURRENT (A)	7.7	8.5	9.6	10.8	12.2	13.9	15.7
	INDOOR COIL DB TEMP DROP (°F)	23	24	23	23	23	22	22	
	1400	LIQUID PRESSURE (PSIG)	174	207	246	290	341	397	458
		LIQUID TEMPERATURE (°F)	57	67	78	88	98	107	117
		LIQUID SUBCOOLING (°F)	4	5	5	6	7	9	10
		SUCTION PRESSURE (PSIG)	129	133	137	140	143	145	148
		SUCTION TEMPERATURE (°F)	62	61	61	61	62	64	67
		SUCTION SUPERHEAT (°F)	18	15	13	12	12	13	15
		OUTDOOR UNIT CURRENT (A)	8.9	9.7	10.7	11.9	13.4	15.0	16.8
		COMPRESSOR CURRENT (A)	7.7	8.5	9.6	10.8	12.2	13.9	15.7
	INDOOR COIL DB TEMP DROP (°F)	21	22	21	21	21	20	20	
	1600	LIQUID PRESSURE (PSIG)	174	207	246	290	341	397	458
		LIQUID TEMPERATURE (°F)	57	67	78	88	98	107	117
		LIQUID SUBCOOLING (°F)	4	5	5	6	7	9	10
		SUCTION PRESSURE (PSIG)	132	136	140	143	146	148	151
		SUCTION TEMPERATURE (°F)	65	63	63	63	64	66	69
		SUCTION SUPERHEAT (°F)	19	16	14	13	13	14	16
OUTDOOR UNIT CURRENT (A)		8.9	9.7	10.7	11.9	13.4	15.0	16.8	
COMPRESSOR CURRENT (A)		7.7	8.5	9.6	10.8	12.2	13.9	15.7	
INDOOR COIL DB TEMP DROP (°F)	19	20	19	19	19	18	18		
80/72	1200	LIQUID PRESSURE (PSIG)	178	209	246	289	339	395	458
		LIQUID TEMPERATURE (°F)	58	67	79	88	99	109	118
		LIQUID SUBCOOLING (°F)	5	5	4	5	6	7	9
		SUCTION PRESSURE (PSIG)	132	139	145	150	154	157	159
		SUCTION TEMPERATURE (°F)	67	65	64	64	65	66	69
		SUCTION SUPERHEAT (°F)	21	16	13	11	11	11	13
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.8	12.1	13.5	15.1	17.0
		COMPRESSOR CURRENT (A)	7.8	8.6	9.7	10.9	12.4	14.0	15.9
	INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	17	17	16	
	1400	LIQUID PRESSURE (PSIG)	178	209	246	289	339	395	458
		LIQUID TEMPERATURE (°F)	58	67	79	88	99	109	118
		LIQUID SUBCOOLING (°F)	5	5	4	5	6	7	9
		SUCTION PRESSURE (PSIG)	134	141	147	152	156	159	161
		SUCTION TEMPERATURE (°F)	69	66	66	65	67	68	71
		SUCTION SUPERHEAT (°F)	22	17	14	12	12	12	14
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.8	12.1	13.5	15.1	17.0
		COMPRESSOR CURRENT (A)	7.8	8.6	9.7	10.9	12.4	14.0	15.9
	INDOOR COIL DB TEMP DROP (°F)	17	17	17	17	16	16	15	
	1600	LIQUID PRESSURE (PSIG)	178	209	246	289	339	395	458
		LIQUID TEMPERATURE (°F)	58	67	79	88	99	109	118
		LIQUID SUBCOOLING (°F)	5	5	4	5	6	7	9
		SUCTION PRESSURE (PSIG)	136	143	149	154	158	161	163
		SUCTION TEMPERATURE (°F)	70	68	67	67	69	70	72
		SUCTION SUPERHEAT (°F)	23	18	15	13	13	13	15
OUTDOOR UNIT CURRENT (A)		8.9	9.8	10.8	12.1	13.5	15.1	17.0	
COMPRESSOR CURRENT (A)		7.8	8.6	9.7	10.9	12.4	14.0	15.9	
INDOOR COIL DB TEMP DROP (°F)	16	16	16	16	15	15	14		

FOR USE WITH MODELS WITH TXV:  
**YFD48B21S**  
**TF3B4821S**  
**RAC13F48B21S**

YFD48B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	195(8)	194(8)	197(8)	201(9)
60	213(9)	213(8)	215(8)	217(8)
65	232(9)	233(9)	233(8)	235(8)
70	252(9)	254(9)	253(9)	255(8)
75	274(10)	275(10)	274(9)	276(8)
80	297(10)	298(10)	296(9)	298(8)
85	320(10)	322(10)	319(10)	321(8)
90	345(11)	347(10)	344(10)	346(8)
95	371(11)	372(11)	371(10)	372(9)
100	398(11)	399(11)	398(11)	400(9)
105	427(11)	426(11)	426(11)	429(10)
110	456(11)	455(12)	456(11)	459(10)
115	487(12)	484(12)	487(12)	491(11)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**YFD48B21S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1400	LIQUID PRESSURE (PSIG)	196	233	275	321	372	428	488
		LIQUID TEMPERATURE (°F)	61	70	80	90	100	110	120
		LIQUID SUBCOOLING (°F)	8	9	10	11	11	12	12
		SUCTION PRESSURE (PSIG)	116	118	119	122	124	127	130
		SUCTION TEMPERATURE (°F)	50	51	52	54	55	57	58
		SUCTION SUPERHEAT (°F)	11	11	12	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	9.8	11.0	12.4	14.0	15.9	18.1	20.5
		COMPRESSOR CURRENT (A)	8.8	9.9	11.4	13.0	15.0	17.1	19.6
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	30	29	28	28	
	1600	LIQUID PRESSURE (PSIG)	196	233	275	321	372	428	488
		LIQUID TEMPERATURE (°F)	61	70	80	90	100	110	120
		LIQUID SUBCOOLING (°F)	8	9	10	11	11	12	12
		SUCTION PRESSURE (PSIG)	119	121	122	125	127	130	133
		SUCTION TEMPERATURE (°F)	51	52	54	55	56	58	59
		SUCTION SUPERHEAT (°F)	11	11	12	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	9.8	11.0	12.4	14.0	15.9	18.1	20.5
		COMPRESSOR CURRENT (A)	8.8	9.9	11.4	13.0	15.0	17.1	19.6
	INDOOR COIL DB TEMP DROP (°F)	31	30	29	29	28	27	27	
	1800	LIQUID PRESSURE (PSIG)	196	233	275	321	372	428	488
		LIQUID TEMPERATURE (°F)	61	70	80	90	100	110	120
		LIQUID SUBCOOLING (°F)	8	9	10	11	11	12	12
		SUCTION PRESSURE (PSIG)	122	124	125	128	130	133	136
		SUCTION TEMPERATURE (°F)	53	54	55	56	57	59	60
		SUCTION SUPERHEAT (°F)	11	11	12	12	12	13	13
OUTDOOR UNIT CURRENT (A)		9.8	11.0	12.4	14.0	15.9	18.1	20.5	
COMPRESSOR CURRENT (A)		8.8	9.9	11.4	13.0	15.0	17.1	19.6	
INDOOR COIL DB TEMP DROP (°F)	30	29	28	28	27	26	26		

Continued on next page.

## YFD48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1400	LIQUID PRESSURE (PSIG)	195	232	274	320	371	427	487
		LIQUID TEMPERATURE (°F)	60	70	80	91	100	111	120
		LIQUID SUBCOOLING (°F)	8	9	10	10	11	11	12
		SUCTION PRESSURE (PSIG)	108	110	113	116	120	124	128
		SUCTION TEMPERATURE (°F)	46	48	50	52	54	56	57
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	9.7	10.9	12.3	14.0	15.9	18.1	20.5
		COMPRESSOR CURRENT (A)	8.7	9.9	11.3	13.0	14.9	17.1	19.5
	INDOOR COIL DB TEMP DROP (°F)	39	38	37	35	34	33	32	
	1600	LIQUID PRESSURE (PSIG)	195	232	274	320	371	427	487
		LIQUID TEMPERATURE (°F)	60	70	80	91	100	111	120
		LIQUID SUBCOOLING (°F)	8	9	10	10	11	11	12
		SUCTION PRESSURE (PSIG)	113	115	118	121	125	129	133
		SUCTION TEMPERATURE (°F)	49	51	52	54	56	58	59
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	9.7	10.9	12.3	14.0	15.9	18.1	20.5
		COMPRESSOR CURRENT (A)	8.7	9.9	11.3	13.0	14.9	17.1	19.5
	INDOOR COIL DB TEMP DROP (°F)	37	36	35	33	32	31	30	
	1800	LIQUID PRESSURE (PSIG)	195	232	274	320	371	427	487
		LIQUID TEMPERATURE (°F)	60	70	80	91	100	111	120
		LIQUID SUBCOOLING (°F)	8	9	10	10	11	11	12
		SUCTION PRESSURE (PSIG)	118	120	123	126	130	134	138
		SUCTION TEMPERATURE (°F)	51	53	54	56	58	60	61
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	9.7	10.9	12.3	14.0	15.9	18.1	20.5
		COMPRESSOR CURRENT (A)	8.7	9.9	11.3	13.0	14.9	17.1	19.5
	INDOOR COIL DB TEMP DROP (°F)	35	34	33	31	30	29	28	
	80/62	1400	LIQUID PRESSURE (PSIG)	194	233	275	322	372	426
LIQUID TEMPERATURE (°F)			60	70	80	91	100	111	119
LIQUID SUBCOOLING (°F)			8	9	10	10	11	11	12
SUCTION PRESSURE (PSIG)			117	118	120	123	125	128	131
SUCTION TEMPERATURE (°F)			51	52	53	54	55	57	58
SUCTION SUPERHEAT (°F)			12	12	12	12	12	13	13
OUTDOOR UNIT CURRENT (A)			9.8	11.0	12.4	14.0	15.9	17.9	20.2
COMPRESSOR CURRENT (A)			8.8	10.0	11.4	13.0	14.9	16.9	19.2
INDOOR COIL DB TEMP DROP (°F)		37	36	35	34	33	33	33	
1600		LIQUID PRESSURE (PSIG)	194	233	275	322	372	426	484
		LIQUID TEMPERATURE (°F)	60	70	80	91	100	111	119
		LIQUID SUBCOOLING (°F)	8	9	10	10	11	11	12
		SUCTION PRESSURE (PSIG)	120	121	123	126	128	131	134
		SUCTION TEMPERATURE (°F)	53	53	54	55	56	58	60
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	9.8	11.0	12.4	14.0	15.9	17.9	20.2
		COMPRESSOR CURRENT (A)	8.8	10.0	11.4	13.0	14.9	16.9	19.2
INDOOR COIL DB TEMP DROP (°F)		36	35	34	33	32	32	32	
1800		LIQUID PRESSURE (PSIG)	194	233	275	322	372	426	484
		LIQUID TEMPERATURE (°F)	60	70	80	91	100	111	119
		LIQUID SUBCOOLING (°F)	8	9	10	10	11	11	12
		SUCTION PRESSURE (PSIG)	123	124	126	129	131	134	137
		SUCTION TEMPERATURE (°F)	54	55	55	57	57	60	61
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	9.8	11.0	12.4	14.0	15.9	17.9	20.2
		COMPRESSOR CURRENT (A)	8.8	10.0	11.4	13.0	14.9	16.9	19.2
INDOOR COIL DB TEMP DROP (°F)		35	34	33	32	31	31	31	

Continued on next page.



## YFD48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1400	LIQUID PRESSURE (PSIG)	196	232	273	318	370	425	486
		LIQUID TEMPERATURE (°F)	61	71	81	90	101	110	120
		LIQUID SUBCOOLING (°F)	8	8	9	10	10	11	12
		SUCTION PRESSURE (PSIG)	125	128	131	134	136	138	141
		SUCTION TEMPERATURE (°F)	57	56	56	57	57	59	61
		SUCTION SUPERHEAT (°F)	14	12	11	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	9.9	11.0	12.3	14.0	15.9	18.1	20.5
		COMPRESSOR CURRENT (A)	8.9	10.0	11.3	13.0	14.9	17.1	19.6
	INDOOR COIL DB TEMP DROP (°F)	32	32	32	31	31	30	29	
	1600	LIQUID PRESSURE (PSIG)	197	233	274	319	371	426	487
		LIQUID TEMPERATURE (°F)	61	71	81	90	101	111	120
		LIQUID SUBCOOLING (°F)	8	8	9	10	10	11	12
		SUCTION PRESSURE (PSIG)	128	131	134	137	139	141	144
		SUCTION TEMPERATURE (°F)	59	58	59	59	60	61	64
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	9.9	11.0	12.3	14.0	15.9	18.1	20.5
		COMPRESSOR CURRENT (A)	8.9	10.0	11.3	13.0	14.9	17.1	19.6
	INDOOR COIL DB TEMP DROP (°F)	31	31	31	30	30	29	28	
	1800	LIQUID PRESSURE (PSIG)	198	234	275	320	372	427	488
		LIQUID TEMPERATURE (°F)	61	72	81	91	101	111	120
		LIQUID SUBCOOLING (°F)	8	8	9	10	10	11	12
		SUCTION PRESSURE (PSIG)	131	134	137	140	142	144	147
		SUCTION TEMPERATURE (°F)	61	61	61	61	62	64	66
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13	14
OUTDOOR UNIT CURRENT (A)		9.9	11.0	12.3	14.0	15.9	18.1	20.5	
COMPRESSOR CURRENT (A)		8.9	10.0	11.3	13.0	14.9	17.1	19.6	
INDOOR COIL DB TEMP DROP (°F)	30	30	30	29	29	28	27		
80/72	1400	LIQUID PRESSURE (PSIG)	201	235	276	321	372	429	491
		LIQUID TEMPERATURE (°F)	61	72	83	93	102	112	122
		LIQUID SUBCOOLING (°F)	9	8	8	8	9	10	11
		SUCTION PRESSURE (PSIG)	133	138	143	147	150	153	154
		SUCTION TEMPERATURE (°F)	67	64	63	63	64	65	67
		SUCTION SUPERHEAT (°F)	21	16	13	11	11	11	13
		OUTDOOR UNIT CURRENT (A)	10.0	11.1	12.5	14.1	16.1	18.2	20.7
		COMPRESSOR CURRENT (A)	9.0	10.1	11.5	13.1	15.1	17.3	19.7
	INDOOR COIL DB TEMP DROP (°F)	27	27	27	27	26	25	24	
	1600	LIQUID PRESSURE (PSIG)	201	235	276	321	372	429	491
		LIQUID TEMPERATURE (°F)	61	72	83	93	102	112	122
		LIQUID SUBCOOLING (°F)	9	8	8	8	9	10	11
		SUCTION PRESSURE (PSIG)	135	140	145	149	152	155	156
		SUCTION TEMPERATURE (°F)	68	65	64	64	65	66	68
		SUCTION SUPERHEAT (°F)	21	16	13	11	11	11	13
		OUTDOOR UNIT CURRENT (A)	10.0	11.1	12.5	14.1	16.1	18.2	20.7
		COMPRESSOR CURRENT (A)	9.0	10.1	11.5	13.1	15.1	17.3	19.7
	INDOOR COIL DB TEMP DROP (°F)	26	26	26	26	25	24	23	
	1800	LIQUID PRESSURE (PSIG)	201	235	276	321	372	429	491
		LIQUID TEMPERATURE (°F)	61	72	83	93	102	112	122
		LIQUID SUBCOOLING (°F)	9	8	8	8	9	10	11
		SUCTION PRESSURE (PSIG)	137	142	147	151	154	157	158
		SUCTION TEMPERATURE (°F)	70	67	66	65	66	67	70
		SUCTION SUPERHEAT (°F)	22	17	14	12	12	12	14
OUTDOOR UNIT CURRENT (A)		10.0	11.1	12.5	14.1	16.1	18.2	20.7	
COMPRESSOR CURRENT (A)		9.0	10.1	11.5	13.1	15.1	17.3	19.7	
INDOOR COIL DB TEMP DROP (°F)	25	25	25	25	24	23	22		

FOR USE WITH MODELS WITH TXV:

YFD60B21S

TF3B6021S

RAC13F60B21S

YFD60B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	198(10)	199(9)	198(8)	200(8)
60	215(10)	216(10)	216(9)	217(8)
65	234(11)	235(10)	235(9)	235(8)
70	254(11)	255(11)	255(10)	255(9)
75	275(12)	277(11)	277(10)	277(9)
80	298(12)	300(11)	300(10)	299(9)
85	322(12)	324(12)	324(11)	324(10)
90	347(12)	349(12)	350(11)	349(10)
95	374(12)	376(12)	376(11)	376(10)
100	403(12)	404(12)	404(11)	405(10)
105	432(12)	433(12)	434(11)	434(10)
110	463(12)	463(12)	464(11)	466(11)
115	496(12)	495(12)	496(11)	498(11)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YFD60B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
75/62	1550	LIQUID PRESSURE (PSIG)	199	236	277	324	376	434	496
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	111	121
		LIQUID SUBCOOLING (°F)	9	10	11	12	12	12	12
		SUCTION PRESSURE (PSIG)	115	117	119	122	124	127	129
		SUCTION TEMPERATURE (°F)	46	46	47	50	52	55	58
		SUCTION SUPERHEAT (°F)	7	7	7	8	9	11	13
		OUTDOOR UNIT CURRENT (A)	12.6	14.0	15.6	17.5	19.7	22.2	25.0
		COMPRESSOR CURRENT (A)	11.9	13.2	14.9	16.8	19.0	21.5	24.2
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	23	22	21	
	1750	LIQUID PRESSURE (PSIG)	199	236	277	324	376	434	496
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	111	121
		LIQUID SUBCOOLING (°F)	9	10	11	12	12	12	12
		SUCTION PRESSURE (PSIG)	118	120	122	125	127	130	132
		SUCTION TEMPERATURE (°F)	48	49	50	52	54	57	60
		SUCTION SUPERHEAT (°F)	8	8	8	9	10	12	14
		OUTDOOR UNIT CURRENT (A)	12.6	14.0	15.6	17.5	19.7	22.2	25.0
		COMPRESSOR CURRENT (A)	11.9	13.2	14.9	16.8	19.0	21.5	24.2
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20	
	1950	LIQUID PRESSURE (PSIG)	199	236	277	324	376	434	496
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	111	121
		LIQUID SUBCOOLING (°F)	9	10	11	12	12	12	12
		SUCTION PRESSURE (PSIG)	121	123	125	128	130	133	135
		SUCTION TEMPERATURE (°F)	50	51	52	54	56	59	62
		SUCTION SUPERHEAT (°F)	9	9	9	10	11	13	15
OUTDOOR UNIT CURRENT (A)		12.6	14.0	15.6	17.5	19.7	22.2	25.0	
COMPRESSOR CURRENT (A)		11.9	13.2	14.9	16.8	19.0	21.5	24.2	
INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19		

Continued on next page.

## YFD60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/57	1550	LIQUID PRESSURE (PSIG)	198	234	275	322	374	432	496
		LIQUID TEMPERATURE (°F)	59	69	78	89	100	111	121
		LIQUID SUBCOOLING (°F)	10	11	12	12	12	12	12
		SUCTION PRESSURE (PSIG)	104	107	110	114	118	122	126
		SUCTION TEMPERATURE (°F)	42	47	49	52	54	55	55
		SUCTION SUPERHEAT (°F)	9	12	13	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	12.5	13.8	15.4	17.4	19.6	22.1	24.9
		COMPRESSOR CURRENT (A)	11.7	13.0	14.7	16.6	18.9	21.4	24.2
	INDOOR COIL DB TEMP DROP (°F)	32	32	31	30	29	27	26	
	1750	LIQUID PRESSURE (PSIG)	198	234	275	322	374	432	496
		LIQUID TEMPERATURE (°F)	59	69	78	89	100	111	121
		LIQUID SUBCOOLING (°F)	10	11	12	12	12	12	12
		SUCTION PRESSURE (PSIG)	108	111	114	118	122	126	130
		SUCTION TEMPERATURE (°F)	44	49	51	54	56	56	57
		SUCTION SUPERHEAT (°F)	9	12	13	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	12.5	13.8	15.4	17.4	19.6	22.1	24.9
		COMPRESSOR CURRENT (A)	11.7	13.0	14.7	16.6	18.9	21.4	24.2
	INDOOR COIL DB TEMP DROP (°F)	30	30	29	28	27	25	24	
	1950	LIQUID PRESSURE (PSIG)	198	234	275	322	374	432	496
		LIQUID TEMPERATURE (°F)	59	69	78	89	100	111	121
		LIQUID SUBCOOLING (°F)	10	11	12	12	12	12	12
		SUCTION PRESSURE (PSIG)	112	115	118	122	126	130	134
		SUCTION TEMPERATURE (°F)	46	51	53	56	57	58	59
		SUCTION SUPERHEAT (°F)	9	12	13	14	14	13	12
OUTDOOR UNIT CURRENT (A)		12.5	13.8	15.4	17.4	19.6	22.1	24.9	
COMPRESSOR CURRENT (A)		11.7	13.0	14.7	16.6	18.9	21.4	24.2	
INDOOR COIL DB TEMP DROP (°F)	28	28	27	26	25	23	22		
80/62	1550	LIQUID PRESSURE (PSIG)	199	235	277	324	376	433	495
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	111	121
		LIQUID SUBCOOLING (°F)	9	10	11	12	12	12	12
		SUCTION PRESSURE (PSIG)	115	117	120	122	125	127	130
		SUCTION TEMPERATURE (°F)	47	49	52	55	57	59	60
		SUCTION SUPERHEAT (°F)	8	10	11	13	14	15	15
		OUTDOOR UNIT CURRENT (A)	12.7	14.0	15.6	17.5	19.7	22.2	25.0
		COMPRESSOR CURRENT (A)	11.9	13.2	14.8	16.7	18.9	21.5	24.3
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	27	26	25	
	1750	LIQUID PRESSURE (PSIG)	199	235	277	324	376	433	495
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	111	121
		LIQUID SUBCOOLING (°F)	9	10	11	12	12	12	12
		SUCTION PRESSURE (PSIG)	118	120	123	125	128	130	133
		SUCTION TEMPERATURE (°F)	48	51	53	56	58	60	61
		SUCTION SUPERHEAT (°F)	8	10	11	13	14	15	15
		OUTDOOR UNIT CURRENT (A)	12.7	14.0	15.6	17.5	19.7	22.2	25.0
		COMPRESSOR CURRENT (A)	11.9	13.2	14.8	16.7	18.9	21.5	24.3
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	26	26	25	24	
	1950	LIQUID PRESSURE (PSIG)	199	235	277	324	376	433	495
		LIQUID TEMPERATURE (°F)	60	70	80	90	100	111	121
		LIQUID SUBCOOLING (°F)	9	10	11	12	12	12	12
		SUCTION PRESSURE (PSIG)	121	123	126	128	131	133	136
		SUCTION TEMPERATURE (°F)	49	52	54	57	59	61	62
		SUCTION SUPERHEAT (°F)	8	10	11	13	14	15	15
OUTDOOR UNIT CURRENT (A)		12.7	14.0	15.6	17.5	19.7	22.2	25.0	
COMPRESSOR CURRENT (A)		11.9	13.2	14.8	16.7	18.9	21.5	24.3	
INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	25	24	23		

Continued on next page.

## YFD60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			55	65	75	85	95	105	115
80/67	1550	LIQUID PRESSURE (PSIG)	198	235	277	324	376	434	496
		LIQUID TEMPERATURE (°F)	61	71	81	91	101	112	122
		LIQUID SUBCOOLING (°F)	8	9	10	11	11	11	11
		SUCTION PRESSURE (PSIG)	127	129	132	134	137	139	142
		SUCTION TEMPERATURE (°F)	52	55	57	59	60	61	61
		SUCTION SUPERHEAT (°F)	8	10	11	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	12.7	14.0	15.7	17.6	19.8	22.4	25.2
		COMPRESSOR CURRENT (A)	11.9	13.3	14.9	16.9	19.1	21.6	24.5
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	23	22	21	
	1750	LIQUID PRESSURE (PSIG)	198	235	277	324	376	434	496
		LIQUID TEMPERATURE (°F)	61	71	81	91	101	112	122
		LIQUID SUBCOOLING (°F)	8	9	10	11	11	11	11
		SUCTION PRESSURE (PSIG)	129	131	134	136	139	141	144
		SUCTION TEMPERATURE (°F)	53	55	58	59	61	61	62
		SUCTION SUPERHEAT (°F)	8	10	11	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	12.7	14.0	15.7	17.6	19.8	22.4	25.2
		COMPRESSOR CURRENT (A)	11.9	13.3	14.9	16.9	19.1	21.6	24.5
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20	
	1950	LIQUID PRESSURE (PSIG)	198	235	277	324	376	434	496
		LIQUID TEMPERATURE (°F)	61	71	81	91	101	112	122
		LIQUID SUBCOOLING (°F)	8	9	10	11	11	11	11
		SUCTION PRESSURE (PSIG)	131	133	136	138	141	143	146
		SUCTION TEMPERATURE (°F)	53	56	58	60	61	62	62
		SUCTION SUPERHEAT (°F)	8	10	11	12	12	12	11
OUTDOOR UNIT CURRENT (A)		12.7	14.0	15.7	17.6	19.8	22.4	25.2	
COMPRESSOR CURRENT (A)		11.9	13.3	14.9	16.9	19.1	21.6	24.5	
INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19		
80/72	1550	LIQUID PRESSURE (PSIG)	200	235	277	324	376	434	498
		LIQUID TEMPERATURE (°F)	62	72	82	92	102	113	123
		LIQUID SUBCOOLING (°F)	8	8	9	10	10	10	11
		SUCTION PRESSURE (PSIG)	136	139	142	145	148	151	155
		SUCTION TEMPERATURE (°F)	58	60	61	63	64	66	68
		SUCTION SUPERHEAT (°F)	11	11	11	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	12.9	14.2	15.8	17.7	19.9	22.5	25.3
		COMPRESSOR CURRENT (A)	12.0	13.3	15.0	16.9	19.1	21.7	24.6
	INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	16	
	1750	LIQUID PRESSURE (PSIG)	200	235	277	324	376	434	498
		LIQUID TEMPERATURE (°F)	62	72	82	92	102	113	123
		LIQUID SUBCOOLING (°F)	8	8	9	10	10	10	11
		SUCTION PRESSURE (PSIG)	138	141	144	147	150	153	157
		SUCTION TEMPERATURE (°F)	59	60	62	64	65	67	68
		SUCTION SUPERHEAT (°F)	11	11	11	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	12.9	14.2	15.8	17.7	19.9	22.5	25.3
		COMPRESSOR CURRENT (A)	12.0	13.3	15.0	16.9	19.1	21.7	24.6
	INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	16	15	
	1950	LIQUID PRESSURE (PSIG)	200	235	277	324	376	434	498
		LIQUID TEMPERATURE (°F)	62	72	82	92	102	113	123
		LIQUID SUBCOOLING (°F)	8	8	9	10	10	10	11
		SUCTION PRESSURE (PSIG)	140	143	146	149	152	155	159
		SUCTION TEMPERATURE (°F)	60	61	62	65	66	68	69
		SUCTION SUPERHEAT (°F)	11	11	11	12	12	13	13
OUTDOOR UNIT CURRENT (A)		12.9	14.2	15.8	17.7	19.9	22.5	25.3	
COMPRESSOR CURRENT (A)		12.0	13.3	15.0	16.9	19.1	21.7	24.6	
INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	16	15	14		

FOR USE WITH MODELS:  
**YFE18B21S**  
**TF4B1821S**  
**RAC14F18B21S**

YFE18B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	186(8)	189(9)	190(9)	190(9)
60	200(8)	203(9)	205(9)	204(9)
65	216(8)	219(9)	221(9)	219(9)
70	234(9)	237(10)	239(10)	237(9)
75	253(9)	256(10)	259(10)	256(9)
80	273(9)	277(10)	280(10)	277(9)
85	295(9)	300(10)	303(11)	299(10)
90	319(9)	324(10)	327(11)	323(10)
95	345(9)	350(11)	353(11)	350(10)
100	372(10)	378(11)	380(11)	377(10)
105	400(10)	407(11)	410(11)	407(11)
110	430(10)	438(11)	440(11)	438(11)
115	462(10)	471(11)	473(12)	472(11)
120	495(10)	505(12)	507(12)	506(12)
125	530(10)	541(12)	542(12)	543(12)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**YFE18B21S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	450	LIQUID PRESSURE (PSIG)	188	217	253	296	346	403	466	537
		LIQUID TEMPERATURE (°F)	57	66	76	85	96	107	117	129
		LIQUID SUBCOOLING (°F)	9	9	9	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	117	119	121	123	125	127	129	132
		SUCTION TEMPERATURE (°F)	51	52	53	54	55	57	58	60
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	3.5	3.8	4.3	4.9	5.6	6.3	7.2	8.2
		COMPRESSOR CURRENT (A)	2.9	3.3	3.7	4.3	5.0	5.8	6.7	7.6
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	25	24	23	22
	600	LIQUID PRESSURE (PSIG)	188	217	253	296	346	403	466	537
		LIQUID TEMPERATURE (°F)	57	66	76	85	96	107	117	129
		LIQUID SUBCOOLING (°F)	9	9	9	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	122	124	126	128	130	132	134	137
		SUCTION TEMPERATURE (°F)	54	55	55	56	57	59	60	62
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	3.5	3.8	4.3	4.9	5.6	6.3	7.2	8.2
		COMPRESSOR CURRENT (A)	2.9	3.3	3.7	4.3	5.0	5.8	6.7	7.6
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20	19
	750	LIQUID PRESSURE (PSIG)	188	217	253	296	346	403	466	537
		LIQUID TEMPERATURE (°F)	57	66	76	85	96	107	117	129
		LIQUID SUBCOOLING (°F)	9	9	9	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	127	129	131	133	135	137	139	142
		SUCTION TEMPERATURE (°F)	56	57	57	58	59	61	62	64
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13	14
OUTDOOR UNIT CURRENT (A)		3.5	3.8	4.3	4.9	5.6	6.3	7.2	8.2	
COMPRESSOR CURRENT (A)		2.9	3.3	3.7	4.3	5.0	5.8	6.7	7.6	
INDOOR COIL DB TEMP DROP (°F)		21	20	20	19	19	18	17	16	

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## YFE18B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	450	LIQUID PRESSURE (PSIG)	183	213	250	292	342	397	459	527
		LIQUID TEMPERATURE (°F)	56	66	75	85	96	106	117	128
		LIQUID SUBCOOLING (°F)	8	8	9	9	9	10	10	10
		SUCTION PRESSURE (PSIG)	99	105	109	111	110	108	103	97
		SUCTION TEMPERATURE (°F)	42	46	48	49	48	46	43	38
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	11	10	8
		OUTDOOR UNIT CURRENT (A)	3.5	3.9	4.3	4.9	5.6	6.3	7.2	8.2
		COMPRESSOR CURRENT (A)	2.9	3.3	3.8	4.3	5.0	5.8	6.6	7.6
	INDOOR COIL DB TEMP DROP (°F)	35	34	33	32	31	30	29	28	
	600	LIQUID PRESSURE (PSIG)	186	216	253	295	345	400	462	530
		LIQUID TEMPERATURE (°F)	57	67	76	86	97	107	118	129
		LIQUID SUBCOOLING (°F)	8	8	9	9	9	10	10	10
		SUCTION PRESSURE (PSIG)	115	121	125	127	126	124	119	113
		SUCTION TEMPERATURE (°F)	51	54	56	57	56	55	51	47
		SUCTION SUPERHEAT (°F)	12	13	13	13	13	12	11	9
		OUTDOOR UNIT CURRENT (A)	3.5	3.9	4.3	4.9	5.6	6.3	7.2	8.2
		COMPRESSOR CURRENT (A)	2.9	3.3	3.8	4.3	5.0	5.8	6.6	7.6
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	24	23	
	750	LIQUID PRESSURE (PSIG)	189	219	256	298	348	403	465	533
		LIQUID TEMPERATURE (°F)	58	67	76	87	98	107	118	129
		LIQUID SUBCOOLING (°F)	8	8	9	9	9	10	10	10
		SUCTION PRESSURE (PSIG)	131	137	141	143	142	140	135	129
		SUCTION TEMPERATURE (°F)	59	63	64	65	65	63	60	56
		SUCTION SUPERHEAT (°F)	14	15	15	15	15	14	13	11
OUTDOOR UNIT CURRENT (A)		3.5	3.9	4.3	4.9	5.6	6.3	7.2	8.2	
COMPRESSOR CURRENT (A)		2.9	3.3	3.8	4.3	5.0	5.8	6.6	7.6	
INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19	18		
80/62	450	LIQUID PRESSURE (PSIG)	188	218	255	299	349	406	470	540
		LIQUID TEMPERATURE (°F)	57	66	75	86	96	107	118	128
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	11	11	12
		SUCTION PRESSURE (PSIG)	116	118	120	122	125	127	130	133
		SUCTION TEMPERATURE (°F)	51	52	53	54	56	57	59	61
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.5	3.9	4.3	4.9	5.6	6.4	7.3	8.3
		COMPRESSOR CURRENT (A)	2.9	3.3	3.8	4.4	5.0	5.8	6.7	7.7
	INDOOR COIL DB TEMP DROP (°F)	31	30	30	29	28	27	26	25	
	600	LIQUID PRESSURE (PSIG)	189	219	256	300	350	407	471	541
		LIQUID TEMPERATURE (°F)	57	66	75	86	96	107	118	128
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	11	11	12
		SUCTION PRESSURE (PSIG)	122	124	126	128	131	133	136	139
		SUCTION TEMPERATURE (°F)	54	55	55	56	58	59	61	64
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.5	3.9	4.3	4.9	5.6	6.4	7.3	8.3
		COMPRESSOR CURRENT (A)	2.9	3.3	3.8	4.4	5.0	5.8	6.7	7.7
	INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	24	23	22	
	750	LIQUID PRESSURE (PSIG)	190	220	257	301	351	408	472	542
		LIQUID TEMPERATURE (°F)	58	67	76	86	96	107	118	128
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	11	11	12
		SUCTION PRESSURE (PSIG)	128	130	132	134	137	139	142	145
		SUCTION TEMPERATURE (°F)	56	57	58	59	61	62	64	66
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	14	15
OUTDOOR UNIT CURRENT (A)		3.5	3.9	4.3	4.9	5.6	6.4	7.3	8.3	
COMPRESSOR CURRENT (A)		2.9	3.3	3.8	4.4	5.0	5.8	6.7	7.7	
INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	21	20	19		

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## YFE18B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	450	LIQUID PRESSURE (PSIG)	190	221	259	303	353	410	473	542
		LIQUID TEMPERATURE (°F)	58	67	76	86	97	108	118	128
		LIQUID SUBCOOLING (°F)	9	9	10	11	11	11	12	12
		SUCTION PRESSURE (PSIG)	129	131	133	135	137	139	142	144
		SUCTION TEMPERATURE (°F)	58	57	58	59	60	61	63	65
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	3.4	3.8	4.3	4.9	5.6	6.3	7.2	8.2
		COMPRESSOR CURRENT (A)	2.9	3.3	3.8	4.3	5.0	5.8	6.6	7.6
	INDOOR COIL DB TEMP DROP (°F)	26	26	26	25	25	24	23	22	
	600	LIQUID PRESSURE (PSIG)	190	221	259	303	353	410	473	542
		LIQUID TEMPERATURE (°F)	58	67	76	86	97	108	118	128
		LIQUID SUBCOOLING (°F)	9	9	10	11	11	11	12	12
		SUCTION PRESSURE (PSIG)	134	136	138	140	142	144	147	149
		SUCTION TEMPERATURE (°F)	60	59	60	61	62	63	65	67
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	3.4	3.8	4.3	4.9	5.6	6.3	7.2	8.2
		COMPRESSOR CURRENT (A)	2.9	3.3	3.8	4.3	5.0	5.8	6.6	7.6
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	22	21	20	19	
	750	LIQUID PRESSURE (PSIG)	190	221	259	303	353	410	473	542
		LIQUID TEMPERATURE (°F)	58	67	76	86	97	108	118	128
		LIQUID SUBCOOLING (°F)	9	9	10	11	11	11	12	12
		SUCTION PRESSURE (PSIG)	139	141	143	145	147	149	152	154
		SUCTION TEMPERATURE (°F)	63	62	63	64	65	66	68	69
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
OUTDOOR UNIT CURRENT (A)		3.4	3.8	4.3	4.9	5.6	6.3	7.2	8.2	
COMPRESSOR CURRENT (A)		2.9	3.3	3.8	4.3	5.0	5.8	6.6	7.6	
INDOOR COIL DB TEMP DROP (°F)	20	20	20	19	19	18	17	16		
80/72	450	LIQUID PRESSURE (PSIG)	189	218	255	298	349	406	471	542
		LIQUID TEMPERATURE (°F)	57	66	76	86	97	107	118	128
		LIQUID SUBCOOLING (°F)	9	9	9	10	10	11	11	12
		SUCTION PRESSURE (PSIG)	139	142	145	147	150	153	155	157
		SUCTION TEMPERATURE (°F)	63	63	63	64	64	66	67	68
		SUCTION SUPERHEAT (°F)	14	13	12	12	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	3.4	3.8	4.2	4.8	5.5	6.3	7.2	8.1
		COMPRESSOR CURRENT (A)	2.9	3.2	3.7	4.3	4.9	5.7	6.6	7.6
	INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	18	17	
	600	LIQUID PRESSURE (PSIG)	190	219	256	299	350	407	472	543
		LIQUID TEMPERATURE (°F)	58	66	76	86	97	107	118	129
		LIQUID SUBCOOLING (°F)	9	9	9	10	10	11	11	12
		SUCTION PRESSURE (PSIG)	143	146	149	151	154	157	159	161
		SUCTION TEMPERATURE (°F)	65	65	66	66	66	68	69	71
		SUCTION SUPERHEAT (°F)	15	14	13	13	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	3.4	3.8	4.2	4.8	5.5	6.3	7.2	8.1
		COMPRESSOR CURRENT (A)	2.9	3.2	3.7	4.3	4.9	5.7	6.6	7.6
	INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	16	16	15	
	750	LIQUID PRESSURE (PSIG)	191	220	257	300	351	408	473	544
		LIQUID TEMPERATURE (°F)	58	67	77	86	97	107	119	129
		LIQUID SUBCOOLING (°F)	9	9	9	10	10	11	11	12
		SUCTION PRESSURE (PSIG)	147	150	153	155	158	161	163	165
		SUCTION TEMPERATURE (°F)	68	68	68	69	69	71	72	73
		SUCTION SUPERHEAT (°F)	16	15	14	14	13	14	14	15
OUTDOOR UNIT CURRENT (A)		3.4	3.8	4.2	4.8	5.5	6.3	7.2	8.1	
COMPRESSOR CURRENT (A)		2.9	3.2	3.7	4.3	4.9	5.7	6.6	7.6	
INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	14	14	13		

FOR USE WITH MODELS:

**YFE24B21S****TF4B2421S****RAC14F24B21S**

YFE24B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	186(9)	190(10)	190(10)	190(10)
60	200(9)	205(9)	206(9)	203(9)
65	215(9)	222(9)	223(9)	218(9)
70	232(9)	240(9)	242(9)	235(8)
75	251(9)	260(9)	262(9)	253(8)
80	271(9)	281(9)	284(9)	274(8)
85	294(9)	303(10)	304(9)	296(8)
90	319(9)	328(10)	332(9)	320(8)
95	345(9)	354(10)	359(10)	346(8)
100	373(10)	382(10)	387(10)	374(8)
105	403(10)	411(11)	417(10)	404(9)
110	435(11)	442(11)	448(11)	435(10)
115	469(12)	474(12)	481(12)	469(11)
120	505(12)	508(13)	516(12)	504(12)
125	543(13)	544(13)	552(13)	541(13)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

**YFE24B21S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	188	217	253	297	347	404	469	540
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	107	117	127
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	11	12	13
		SUCTION PRESSURE (PSIG)	114	116	118	120	122	125	128	131
		SUCTION TEMPERATURE (°F)	47	47	48	49	50	51	53	55
		SUCTION SUPERHEAT (°F)	9	8	8	8	8	8	9	10
		OUTDOOR UNIT CURRENT (A)	4.9	5.3	6.0	6.7	7.7	8.8	10.1	11.6
		COMPRESSOR CURRENT (A)	4.1	4.6	5.2	6.0	6.9	8.0	9.3	10.8
	INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	26	25	24	23	
	800	LIQUID PRESSURE (PSIG)	188	217	253	297	347	404	469	540
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	107	117	127
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	11	12	13
		SUCTION PRESSURE (PSIG)	119	121	123	125	127	130	133	136
		SUCTION TEMPERATURE (°F)	49	49	50	51	52	53	55	57
		SUCTION SUPERHEAT (°F)	9	8	8	8	8	8	9	10
		OUTDOOR UNIT CURRENT (A)	4.9	5.3	6.0	6.7	7.7	8.8	10.1	11.6
		COMPRESSOR CURRENT (A)	4.1	4.6	5.2	6.0	6.9	8.0	9.3	10.8
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	23	22	21	20	
	1000	LIQUID PRESSURE (PSIG)	188	217	253	297	347	404	469	540
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	107	117	127
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	11	12	13
		SUCTION PRESSURE (PSIG)	124	126	128	130	132	135	138	141
		SUCTION TEMPERATURE (°F)	52	51	52	53	54	55	57	59
		SUCTION SUPERHEAT (°F)	9	8	8	8	8	8	9	10
OUTDOOR UNIT CURRENT (A)		4.9	5.3	6.0	6.7	7.7	8.8	10.1	11.6	
COMPRESSOR CURRENT (A)		4.1	4.6	5.2	6.0	6.9	8.0	9.3	10.8	
INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	19	18	17		

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## YFE24B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	600	LIQUID PRESSURE (PSIG)	185	214	250	293	344	402	468	542
		LIQUID TEMPERATURE (°F)	56	65	75	86	97	107	117	127
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	10	12	13
		SUCTION PRESSURE (PSIG)	102	105	108	111	114	118	122	127
		SUCTION TEMPERATURE (°F)	41	41	42	44	45	47	50	53
		SUCTION SUPERHEAT (°F)	8	7	7	7	7	7	8	9
		OUTDOOR UNIT CURRENT (A)	4.9	5.3	5.9	6.7	7.7	8.9	10.2	11.7
		COMPRESSOR CURRENT (A)	4.1	4.5	5.2	6.0	6.9	8.1	9.4	10.9
	INDOOR COIL DB TEMP DROP (°F)	35	35	34	33	32	31	30	29	
	800	LIQUID PRESSURE (PSIG)	186	215	251	294	345	403	469	543
		LIQUID TEMPERATURE (°F)	56	65	75	86	97	107	117	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	10	12	13
		SUCTION PRESSURE (PSIG)	111	114	117	120	123	127	131	136
		SUCTION TEMPERATURE (°F)	45	45	46	48	49	51	53	56
		SUCTION SUPERHEAT (°F)	8	7	7	7	7	7	8	9
		OUTDOOR UNIT CURRENT (A)	4.9	5.3	5.9	6.7	7.7	8.9	10.2	11.7
		COMPRESSOR CURRENT (A)	4.1	4.5	5.2	6.0	6.9	8.1	9.4	10.9
	INDOOR COIL DB TEMP DROP (°F)	30	30	29	28	27	26	25	24	
	1000	LIQUID PRESSURE (PSIG)	187	216	252	295	346	404	470	544
		LIQUID TEMPERATURE (°F)	57	66	75	86	97	108	117	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	10	12	13
		SUCTION PRESSURE (PSIG)	120	123	126	129	132	136	140	145
		SUCTION TEMPERATURE (°F)	50	50	51	53	54	55	58	61
		SUCTION SUPERHEAT (°F)	9	8	8	8	8	8	9	10
		OUTDOOR UNIT CURRENT (A)	4.9	5.3	5.9	6.7	7.7	8.9	10.2	11.7
		COMPRESSOR CURRENT (A)	4.1	4.5	5.2	6.0	6.9	8.1	9.4	10.9
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	21	20	19	
	80/62	600	LIQUID PRESSURE (PSIG)	190	222	260	304	354	411	474
LIQUID TEMPERATURE (°F)			57	67	78	87	98	108	118	128
LIQUID SUBCOOLING (°F)			10	9	9	10	10	11	12	13
SUCTION PRESSURE (PSIG)			113	116	118	120	123	126	129	132
SUCTION TEMPERATURE (°F)			45	45	46	47	48	50	52	54
SUCTION SUPERHEAT (°F)			7	6	6	6	6	7	7	8
OUTDOOR UNIT CURRENT (A)			4.9	5.4	6.0	6.9	7.8	8.9	10.2	11.7
COMPRESSOR CURRENT (A)			4.1	4.6	5.3	6.1	7.0	8.2	9.5	10.9
INDOOR COIL DB TEMP DROP (°F)		32	32	31	31	30	29	28	27	
800		LIQUID PRESSURE (PSIG)	190	222	260	304	354	411	474	544
		LIQUID TEMPERATURE (°F)	57	67	78	87	98	108	118	128
		LIQUID SUBCOOLING (°F)	10	9	9	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	119	122	124	126	129	132	135	138
		SUCTION TEMPERATURE (°F)	48	49	50	50	52	54	55	57
		SUCTION SUPERHEAT (°F)	8	7	7	7	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	4.9	5.4	6.0	6.9	7.8	8.9	10.2	11.7
		COMPRESSOR CURRENT (A)	4.1	4.6	5.3	6.1	7.0	8.2	9.5	10.9
INDOOR COIL DB TEMP DROP (°F)		28	28	27	27	26	25	24	23	
1000		LIQUID PRESSURE (PSIG)	190	222	260	304	354	411	474	544
		LIQUID TEMPERATURE (°F)	57	67	78	87	98	108	118	128
		LIQUID SUBCOOLING (°F)	10	9	9	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	125	128	130	132	135	138	141	144
		SUCTION TEMPERATURE (°F)	52	52	53	54	55	57	58	61
		SUCTION SUPERHEAT (°F)	9	8	8	8	8	9	9	10
		OUTDOOR UNIT CURRENT (A)	4.9	5.4	6.0	6.9	7.8	8.9	10.2	11.7
		COMPRESSOR CURRENT (A)	4.1	4.6	5.3	6.1	7.0	8.2	9.5	10.9
INDOOR COIL DB TEMP DROP (°F)		24	24	23	23	22	21	20	19	

Continued on next page.

## YFE24B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	600	LIQUID PRESSURE (PSIG)	190	223	262	304	359	417	481	552
		LIQUID TEMPERATURE (°F)	57	68	78	88	99	110	119	129
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	10	12	13
		SUCTION PRESSURE (PSIG)	123	126	129	132	135	138	140	143
		SUCTION TEMPERATURE (°F)	53	52	53	53	54	55	57	59
		SUCTION SUPERHEAT (°F)	11	9	8	7	7	7	8	9
		OUTDOOR UNIT CURRENT (A)	4.9	5.4	6.1	6.9	7.9	9.0	10.3	11.8
		COMPRESSOR CURRENT (A)	4.1	4.6	5.3	6.1	7.1	8.2	9.5	11.0
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	25	25	24	23	
	800	LIQUID PRESSURE (PSIG)	190	223	262	304	359	417	481	552
		LIQUID TEMPERATURE (°F)	57	68	78	88	99	110	119	129
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	10	12	13
		SUCTION PRESSURE (PSIG)	128	131	134	137	140	143	145	148
		SUCTION TEMPERATURE (°F)	56	55	56	56	57	58	60	62
		SUCTION SUPERHEAT (°F)	12	10	9	8	8	8	9	10
		OUTDOOR UNIT CURRENT (A)	4.9	5.4	6.1	6.9	7.9	9.0	10.3	11.8
		COMPRESSOR CURRENT (A)	4.1	4.6	5.3	6.1	7.1	8.2	9.5	11.0
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	22	22	21	20	
	1000	LIQUID PRESSURE (PSIG)	190	223	262	304	359	417	481	552
		LIQUID TEMPERATURE (°F)	57	68	78	88	99	110	119	129
		LIQUID SUBCOOLING (°F)	10	9	9	9	10	10	12	13
		SUCTION PRESSURE (PSIG)	133	136	139	142	145	148	150	153
		SUCTION TEMPERATURE (°F)	59	58	59	59	60	61	63	65
		SUCTION SUPERHEAT (°F)	13	11	10	9	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	4.9	5.4	6.1	6.9	7.9	9.0	10.3	11.8
		COMPRESSOR CURRENT (A)	4.1	4.6	5.3	6.1	7.1	8.2	9.5	11.0
	INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	19	18	17	
	80/72	600	LIQUID PRESSURE (PSIG)	189	217	252	295	345	403	468
LIQUID TEMPERATURE (°F)			56	66	76	87	98	108	118	127
LIQUID SUBCOOLING (°F)			10	9	8	8	8	9	11	13
SUCTION PRESSURE (PSIG)			129	135	140	144	148	151	154	155
SUCTION TEMPERATURE (°F)			64	62	60	60	60	61	62	65
SUCTION SUPERHEAT (°F)			19	15	11	9	8	8	8	10
OUTDOOR UNIT CURRENT (A)			4.9	5.3	5.9	6.6	7.6	8.7	10.0	11.5
COMPRESSOR CURRENT (A)			4.1	4.5	5.1	5.8	6.8	7.9	9.2	10.7
INDOOR COIL DB TEMP DROP (°F)		22	22	22	21	21	20	19	19	
800		LIQUID PRESSURE (PSIG)	190	218	253	296	346	404	469	541
		LIQUID TEMPERATURE (°F)	57	66	77	87	98	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	8	8	8	9	11	13
		SUCTION PRESSURE (PSIG)	133	139	144	148	152	155	158	159
		SUCTION TEMPERATURE (°F)	66	65	63	62	63	64	65	67
		SUCTION SUPERHEAT (°F)	20	16	12	10	9	9	9	11
		OUTDOOR UNIT CURRENT (A)	4.9	5.3	5.9	6.6	7.6	8.7	10.0	11.5
		COMPRESSOR CURRENT (A)	4.1	4.5	5.1	5.8	6.8	7.9	9.2	10.7
INDOOR COIL DB TEMP DROP (°F)		19	19	19	18	18	17	16	16	
1000		LIQUID PRESSURE (PSIG)	191	219	254	297	347	405	470	542
		LIQUID TEMPERATURE (°F)	57	66	77	87	98	109	118	127
		LIQUID SUBCOOLING (°F)	10	9	8	8	8	9	11	13
		SUCTION PRESSURE (PSIG)	137	143	148	152	156	159	162	163
		SUCTION TEMPERATURE (°F)	69	67	65	65	65	66	67	70
		SUCTION SUPERHEAT (°F)	21	17	13	11	10	10	10	12
		OUTDOOR UNIT CURRENT (A)	4.9	5.3	5.9	6.6	7.6	8.7	10.0	11.5
		COMPRESSOR CURRENT (A)	4.1	4.5	5.1	5.8	6.8	7.9	9.2	10.7
INDOOR COIL DB TEMP DROP (°F)		16	16	16	15	15	14	13	13	

FOR USE WITH MODELS:  
**YFE30B21S**  
**TF4B3021S**  
**RAC14F30B21S**

YFE30B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	188(10)	190(11)	192(12)	193(12)
60	203(10)	206(11)	207(12)	209(12)
65	220(10)	223(12)	224(12)	226(12)
70	238(10)	242(12)	243(12)	244(12)
75	258(10)	262(12)	263(12)	264(12)
80	279(11)	284(12)	284(12)	285(12)
85	302(11)	307(13)	307(13)	308(12)
90	327(11)	332(13)	332(13)	333(12)
95	353(12)	358(13)	358(13)	359(12)
100	381(12)	385(14)	385(14)	386(12)
105	410(13)	414(14)	414(14)	416(13)
110	441(13)	445(14)	445(14)	446(13)
115	474(14)	477(15)	477(15)	479(14)
120	508(15)	510(15)	510(15)	512(15)
125	544(15)	545(16)	546(15)	548(15)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**YFE30B21S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	190	222	260	304	355	412	475	545
		LIQUID TEMPERATURE (°F)	56	65	76	86	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	11	12	13	14	16
		SUCTION PRESSURE (PSIG)	108	114	120	124	128	130	132	132
		SUCTION TEMPERATURE (°F)	57	53	51	50	50	51	53	57
		SUCTION SUPERHEAT (°F)	22	15	10	7	6	6	7	11
		OUTDOOR UNIT CURRENT (A)	6.1	6.7	7.3	8.2	9.2	10.5	11.9	13.4
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.2	9.5	10.9	12.5
		INDOOR COIL DB TEMP DROP (°F)	23	23	24	24	23	23	22	21
	1000	LIQUID PRESSURE (PSIG)	190	222	260	304	355	412	475	545
		LIQUID TEMPERATURE (°F)	56	65	76	86	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	11	12	13	14	16
		SUCTION PRESSURE (PSIG)	112	118	124	128	132	134	136	136
		SUCTION TEMPERATURE (°F)	60	56	54	52	53	54	55	59
		SUCTION SUPERHEAT (°F)	23	16	11	8	7	7	8	12
		OUTDOOR UNIT CURRENT (A)	6.1	6.7	7.3	8.2	9.2	10.5	11.9	13.4
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.2	9.5	10.9	12.5
		INDOOR COIL DB TEMP DROP (°F)	21	21	22	22	21	21	20	19
	1200	LIQUID PRESSURE (PSIG)	190	222	260	304	355	412	475	545
		LIQUID TEMPERATURE (°F)	56	65	76	86	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	11	12	13	14	16
		SUCTION PRESSURE (PSIG)	116	122	128	132	136	138	140	140
		SUCTION TEMPERATURE (°F)	63	59	56	55	55	56	58	62
		SUCTION SUPERHEAT (°F)	24	17	12	9	8	8	9	13
OUTDOOR UNIT CURRENT (A)		6.1	6.7	7.3	8.2	9.2	10.5	11.9	13.4	
COMPRESSOR CURRENT (A)		5.1	5.6	6.3	7.2	8.2	9.5	10.9	12.5	
INDOOR COIL DB TEMP DROP (°F)		19	19	20	20	19	19	18	17	

Continued on next page.

## YFE30B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	800	LIQUID PRESSURE (PSIG)	187	219	257	301	352	409	473	543
		LIQUID TEMPERATURE (°F)	56	65	76	85	95	106	116	126
		LIQUID SUBCOOLING (°F)	10	10	10	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	101	107	113	118	122	126	129	132
		SUCTION TEMPERATURE (°F)	54	51	49	47	48	49	52	56
		SUCTION SUPERHEAT (°F)	22	16	11	7	6	6	7	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.6	7.3	8.2	9.2	10.4	11.8	13.4
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.2	9.4	10.8	12.4
	INDOOR COIL DB TEMP DROP (°F)	31	31	31	30	30	29	28	26	
	1000	LIQUID PRESSURE (PSIG)	188	220	258	302	353	410	474	544
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	10	10	10	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	108	114	120	125	129	133	136	139
		SUCTION TEMPERATURE (°F)	58	55	53	51	52	53	55	60
		SUCTION SUPERHEAT (°F)	23	17	12	8	7	7	8	11
		OUTDOOR UNIT CURRENT (A)	6.1	6.6	7.3	8.2	9.2	10.4	11.8	13.4
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.2	9.4	10.8	12.4
	INDOOR COIL DB TEMP DROP (°F)	27	27	27	26	26	25	24	22	
	1200	LIQUID PRESSURE (PSIG)	189	221	259	303	354	411	475	545
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	10	10	10	11	12	13	14	15
		SUCTION PRESSURE (PSIG)	115	121	127	132	136	140	143	146
		SUCTION TEMPERATURE (°F)	63	59	57	55	55	57	59	63
		SUCTION SUPERHEAT (°F)	24	18	13	9	8	8	9	12
		OUTDOOR UNIT CURRENT (A)	6.1	6.6	7.3	8.2	9.2	10.4	11.8	13.4
		COMPRESSOR CURRENT (A)	5.1	5.6	6.3	7.2	8.2	9.4	10.8	12.4
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	22	21	20	18	
	80/62	800	LIQUID PRESSURE (PSIG)	190	223	262	307	358	414	477
LIQUID TEMPERATURE (°F)			56	65	75	85	96	105	115	125
LIQUID SUBCOOLING (°F)			11	12	12	13	13	14	15	16
SUCTION PRESSURE (PSIG)			108	114	119	123	127	130	133	135
SUCTION TEMPERATURE (°F)			59	54	50	48	48	49	52	57
SUCTION SUPERHEAT (°F)			24	16	10	6	4	4	6	10
OUTDOOR UNIT CURRENT (A)			6.2	6.7	7.4	8.3	9.3	10.5	11.9	13.4
COMPRESSOR CURRENT (A)			5.1	5.7	6.4	7.3	8.3	9.5	10.9	12.5
INDOOR COIL DB TEMP DROP (°F)		26	28	28	28	28	27	26	24	
1000		LIQUID PRESSURE (PSIG)	190	223	262	307	358	414	477	545
		LIQUID TEMPERATURE (°F)	56	65	75	85	96	105	115	125
		LIQUID SUBCOOLING (°F)	11	12	12	13	13	14	15	16
		SUCTION PRESSURE (PSIG)	113	119	124	128	132	135	138	140
		SUCTION TEMPERATURE (°F)	63	57	54	51	51	52	55	60
		SUCTION SUPERHEAT (°F)	25	17	11	7	5	5	7	11
		OUTDOOR UNIT CURRENT (A)	6.2	6.7	7.4	8.3	9.3	10.5	11.9	13.4
		COMPRESSOR CURRENT (A)	5.1	5.7	6.4	7.3	8.3	9.5	10.9	12.5
INDOOR COIL DB TEMP DROP (°F)		23	25	25	25	25	24	23	21	
1200		LIQUID PRESSURE (PSIG)	190	223	262	307	358	414	477	545
		LIQUID TEMPERATURE (°F)	56	65	75	85	96	105	115	125
		LIQUID SUBCOOLING (°F)	11	12	12	13	13	14	15	16
		SUCTION PRESSURE (PSIG)	118	124	129	133	137	140	143	145
		SUCTION TEMPERATURE (°F)	66	61	57	54	54	55	58	63
		SUCTION SUPERHEAT (°F)	26	18	12	8	6	6	8	12
		OUTDOOR UNIT CURRENT (A)	6.2	6.7	7.4	8.3	9.3	10.5	11.9	13.4
		COMPRESSOR CURRENT (A)	5.1	5.7	6.4	7.3	8.3	9.5	10.9	12.5
INDOOR COIL DB TEMP DROP (°F)		20	22	22	22	22	21	20	18	

Continued on next page.

## YFE30B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	800	LIQUID PRESSURE (PSIG)	192	224	263	307	358	414	477	546
		LIQUID TEMPERATURE (°F)	55	65	75	85	96	105	115	126
		LIQUID SUBCOOLING (°F)	12	12	12	13	13	14	15	15
		SUCTION PRESSURE (PSIG)	112	121	129	136	141	144	146	146
		SUCTION TEMPERATURE (°F)	66	61	58	55	54	55	57	60
		SUCTION SUPERHEAT (°F)	29	20	13	8	5	4	6	9
		OUTDOOR UNIT CURRENT (A)	6.2	6.7	7.4	8.3	9.3	10.4	11.8	13.3
		COMPRESSOR CURRENT (A)	5.2	5.7	6.4	7.2	8.3	9.4	10.8	12.3
	INDOOR COIL DB TEMP DROP (°F)	21	22	23	23	24	23	22	21	
	1000	LIQUID PRESSURE (PSIG)	192	224	263	307	358	414	477	546
		LIQUID TEMPERATURE (°F)	55	65	75	85	96	105	115	126
		LIQUID SUBCOOLING (°F)	12	12	12	13	13	14	15	15
		SUCTION PRESSURE (PSIG)	115	124	132	139	144	147	149	149
		SUCTION TEMPERATURE (°F)	69	64	60	58	57	57	60	63
		SUCTION SUPERHEAT (°F)	30	21	14	9	6	5	7	10
		OUTDOOR UNIT CURRENT (A)	6.2	6.7	7.4	8.3	9.3	10.4	11.8	13.3
		COMPRESSOR CURRENT (A)	5.2	5.7	6.4	7.2	8.3	9.4	10.8	12.3
	INDOOR COIL DB TEMP DROP (°F)	19	20	21	21	22	21	20	19	
	1200	LIQUID PRESSURE (PSIG)	192	224	263	307	358	414	477	546
		LIQUID TEMPERATURE (°F)	55	65	75	85	96	105	115	126
		LIQUID SUBCOOLING (°F)	12	12	12	13	13	14	15	15
		SUCTION PRESSURE (PSIG)	118	127	135	142	147	150	152	152
		SUCTION TEMPERATURE (°F)	71	66	62	60	59	59	62	65
		SUCTION SUPERHEAT (°F)	31	22	15	10	7	6	8	11
OUTDOOR UNIT CURRENT (A)		6.2	6.7	7.4	8.3	9.3	10.4	11.8	13.3	
COMPRESSOR CURRENT (A)		5.2	5.7	6.4	7.2	8.3	9.4	10.8	12.3	
INDOOR COIL DB TEMP DROP (°F)	17	18	19	19	20	19	18	17		
80/72	800	LIQUID PRESSURE (PSIG)	192	225	263	307	358	415	478	547
		LIQUID TEMPERATURE (°F)	55	65	75	86	97	107	116	126
		LIQUID SUBCOOLING (°F)	12	12	12	12	12	13	14	15
		SUCTION PRESSURE (PSIG)	106	121	134	144	151	156	159	160
		SUCTION TEMPERATURE (°F)	70	68	67	65	63	63	63	65
		SUCTION SUPERHEAT (°F)	36	27	20	14	10	8	7	8
		OUTDOOR UNIT CURRENT (A)	6.2	6.7	7.4	8.3	9.3	10.5	11.8	13.3
		COMPRESSOR CURRENT (A)	5.2	5.7	6.4	7.2	8.3	9.5	10.8	12.4
	INDOOR COIL DB TEMP DROP (°F)	16	17	18	18	19	18	18	17	
	1000	LIQUID PRESSURE (PSIG)	193	226	264	308	359	416	479	548
		LIQUID TEMPERATURE (°F)	56	65	76	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	12	12	12	12	12	13	14	15
		SUCTION PRESSURE (PSIG)	109	124	137	147	154	159	162	163
		SUCTION TEMPERATURE (°F)	73	71	69	67	65	65	65	67
		SUCTION SUPERHEAT (°F)	37	28	21	15	11	9	8	9
		OUTDOOR UNIT CURRENT (A)	6.2	6.7	7.4	8.3	9.3	10.5	11.8	13.3
		COMPRESSOR CURRENT (A)	5.2	5.7	6.4	7.2	8.3	9.5	10.8	12.4
	INDOOR COIL DB TEMP DROP (°F)	14	15	16	16	17	16	16	15	
	1200	LIQUID PRESSURE (PSIG)	194	227	265	309	360	417	480	549
		LIQUID TEMPERATURE (°F)	56	66	76	86	97	107	117	127
		LIQUID SUBCOOLING (°F)	12	12	12	12	12	13	14	15
		SUCTION PRESSURE (PSIG)	112	127	140	150	157	162	165	166
		SUCTION TEMPERATURE (°F)	75	73	71	69	67	67	67	69
		SUCTION SUPERHEAT (°F)	38	29	22	16	12	10	9	10
OUTDOOR UNIT CURRENT (A)		6.2	6.7	7.4	8.3	9.3	10.5	11.8	13.3	
COMPRESSOR CURRENT (A)		5.2	5.7	6.4	7.2	8.3	9.5	10.8	12.4	
INDOOR COIL DB TEMP DROP (°F)	12	13	14	14	15	14	14	13		

FOR USE WITH MODELS:

**YFE36B21S****TF4B3621S****RAC14F36B21S**

YFE36B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	184(9)	186(10)	188(10)	189(11)
60	200(9)	202(10)	204(10)	205(11)
65	218(9)	220(10)	221(10)	223(11)
70	237(10)	238(10)	240(11)	243(11)
75	257(10)	258(10)	260(11)	263(11)
80	278(10)	279(10)	282(11)	284(11)
85	301(10)	302(10)	304(11)	307(11)
90	325(10)	326(11)	328(11)	331(11)
95	350(11)	351(11)	353(11)	356(11)
100	376(11)	377(11)	379(11)	382(11)
105	404(11)	404(11)	406(11)	409(11)
110	433(11)	433(11)	435(11)	438(11)
115	463(11)	463(11)	465(11)	468(11)
120	495(11)	495(11)	496(11)	498(11)
125	528(11)	527(11)	529(11)	530(11)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

**YFE36B21S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	185	219	258	302	351	404	463	526
		LIQUID TEMPERATURE (°F)	55	65	76	86	96	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	99	106	113	118	122	126	128	129
		SUCTION TEMPERATURE (°F)	61	56	55	53	52	52	53	56
		SUCTION SUPERHEAT (°F)	30	22	17	13	10	9	9	11
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	9.1	10.2	11.5	13.1	14.8	16.7
		COMPRESSOR CURRENT (A)	6.3	7.1	8.0	9.2	10.5	12.0	13.8	15.7
	INDOOR COIL DB TEMP DROP (°F)	21	22	22	22	22	22	21	20	
	1200	LIQUID PRESSURE (PSIG)	186	220	259	303	352	405	464	527
		LIQUID TEMPERATURE (°F)	55	66	76	86	96	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	102	109	116	121	125	129	131	132
		SUCTION TEMPERATURE (°F)	64	59	57	55	54	55	55	58
		SUCTION SUPERHEAT (°F)	31	23	18	14	11	10	10	12
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	9.1	10.2	11.5	13.1	14.8	16.7
		COMPRESSOR CURRENT (A)	6.3	7.1	8.0	9.2	10.5	12.0	13.8	15.7
	INDOOR COIL DB TEMP DROP (°F)	19	20	20	20	20	20	19	18	
	1400	LIQUID PRESSURE (PSIG)	187	221	260	304	353	406	465	528
		LIQUID TEMPERATURE (°F)	56	66	77	86	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	105	112	119	124	128	132	134	135
		SUCTION TEMPERATURE (°F)	66	61	59	58	56	57	58	60
		SUCTION SUPERHEAT (°F)	32	24	19	15	12	11	11	13
OUTDOOR UNIT CURRENT (A)		7.4	8.1	9.1	10.2	11.5	13.1	14.8	16.7	
COMPRESSOR CURRENT (A)		6.3	7.1	8.0	9.2	10.5	12.0	13.8	15.7	
INDOOR COIL DB TEMP DROP (°F)	17	18	18	18	18	18	17	16		

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## YFE36B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1000	LIQUID PRESSURE (PSIG)	183	217	256	300	349	403	462	527
		LIQUID TEMPERATURE (°F)	55	66	75	86	96	106	117	127
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	11	11	11
		SUCTION PRESSURE (PSIG)	95	101	106	111	115	120	124	128
		SUCTION TEMPERATURE (°F)	55	53	50	50	50	52	54	56
		SUCTION SUPERHEAT (°F)	26	21	16	13	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	9.0	10.2	11.5	13.1	14.8	16.8
		COMPRESSOR CURRENT (A)	6.3	7.0	8.0	9.1	10.5	12.1	13.9	15.8
	INDOOR COIL DB TEMP DROP (°F)	29	29	29	29	28	27	26	25	
	1200	LIQUID PRESSURE (PSIG)	184	218	257	301	350	404	463	528
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	107	117	127
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	11	11	11
		SUCTION PRESSURE (PSIG)	100	106	111	116	120	125	129	133
		SUCTION TEMPERATURE (°F)	59	56	54	53	53	55	57	59
		SUCTION SUPERHEAT (°F)	27	22	17	14	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	9.0	10.2	11.5	13.1	14.8	16.8
		COMPRESSOR CURRENT (A)	6.3	7.0	8.0	9.1	10.5	12.1	13.9	15.8
	INDOOR COIL DB TEMP DROP (°F)	26	26	26	26	25	24	23	22	
	1400	LIQUID PRESSURE (PSIG)	185	219	258	302	351	405	464	529
		LIQUID TEMPERATURE (°F)	56	66	76	87	96	107	117	128
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	11	11	11
		SUCTION PRESSURE (PSIG)	105	111	116	121	125	130	134	138
		SUCTION TEMPERATURE (°F)	62	60	57	56	56	58	60	62
		SUCTION SUPERHEAT (°F)	28	23	18	15	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	9.0	10.2	11.5	13.1	14.8	16.8
		COMPRESSOR CURRENT (A)	6.3	7.0	8.0	9.1	10.5	12.1	13.9	15.8
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	22	21	20	19	
	80/62	1000	LIQUID PRESSURE (PSIG)	186	220	258	302	351	404	463
LIQUID TEMPERATURE (°F)			55	66	76	87	96	107	117	127
LIQUID SUBCOOLING (°F)			10	10	10	10	11	11	11	11
SUCTION PRESSURE (PSIG)			100	107	113	119	123	127	130	132
SUCTION TEMPERATURE (°F)			63	59	56	53	53	53	55	58
SUCTION SUPERHEAT (°F)			31	24	18	13	11	9	10	12
OUTDOOR UNIT CURRENT (A)			7.4	8.1	9.1	10.2	11.6	13.1	14.8	16.7
COMPRESSOR CURRENT (A)			6.3	7.1	8.0	9.2	10.5	12.1	13.8	15.7
INDOOR COIL DB TEMP DROP (°F)		25	26	27	27	27	26	25	24	
1200		LIQUID PRESSURE (PSIG)	186	220	258	302	351	404	463	527
		LIQUID TEMPERATURE (°F)	55	66	76	87	96	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	11	11	11	11
		SUCTION PRESSURE (PSIG)	103	110	116	122	126	130	133	135
		SUCTION TEMPERATURE (°F)	65	61	58	56	55	55	57	60
		SUCTION SUPERHEAT (°F)	32	25	19	14	12	10	11	13
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	9.1	10.2	11.6	13.1	14.8	16.7
		COMPRESSOR CURRENT (A)	6.3	7.1	8.0	9.2	10.5	12.1	13.8	15.7
INDOOR COIL DB TEMP DROP (°F)		22	23	24	24	24	23	22	21	
1400		LIQUID PRESSURE (PSIG)	186	220	258	302	351	404	463	527
		LIQUID TEMPERATURE (°F)	55	66	76	87	96	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	11	11	11	11
		SUCTION PRESSURE (PSIG)	106	113	119	125	129	133	136	138
		SUCTION TEMPERATURE (°F)	67	64	60	58	58	57	59	62
		SUCTION SUPERHEAT (°F)	33	26	20	15	13	11	12	14
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	9.1	10.2	11.6	13.1	14.8	16.7
		COMPRESSOR CURRENT (A)	6.3	7.1	8.0	9.2	10.5	12.1	13.8	15.7
INDOOR COIL DB TEMP DROP (°F)		19	20	21	21	21	20	19	18	

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## YFE36B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1000	LIQUID PRESSURE (PSIG)	187	220	259	303	352	405	464	528
		LIQUID TEMPERATURE (°F)	56	66	75	86	96	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	101	112	120	128	134	138	141	143
		SUCTION TEMPERATURE (°F)	68	65	63	61	60	59	59	60
		SUCTION SUPERHEAT (°F)	36	28	22	17	13	11	10	10
		OUTDOOR UNIT CURRENT (A)	7.4	8.2	9.1	10.3	11.6	13.1	14.8	16.7
		COMPRESSOR CURRENT (A)	6.4	7.1	8.1	9.3	10.6	12.1	13.8	15.7
	INDOOR COIL DB TEMP DROP (°F)	20	21	21	22	22	22	21	20	
	1200	LIQUID PRESSURE (PSIG)	188	221	260	304	353	406	465	529
		LIQUID TEMPERATURE (°F)	56	66	76	86	97	107	117	128
		LIQUID SUBCOOLING (°F)	10	10	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	103	114	122	130	136	140	143	145
		SUCTION TEMPERATURE (°F)	70	67	65	63	61	61	61	62
		SUCTION SUPERHEAT (°F)	37	29	23	18	14	12	11	11
		OUTDOOR UNIT CURRENT (A)	7.4	8.2	9.1	10.3	11.6	13.1	14.8	16.7
		COMPRESSOR CURRENT (A)	6.4	7.1	8.1	9.3	10.6	12.1	13.8	15.7
	INDOOR COIL DB TEMP DROP (°F)	18	19	19	20	20	20	19	18	
	1400	LIQUID PRESSURE (PSIG)	189	222	261	305	354	407	466	530
		LIQUID TEMPERATURE (°F)	56	66	76	86	97	107	117	128
		LIQUID SUBCOOLING (°F)	10	10	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	105	116	124	132	138	142	145	147
		SUCTION TEMPERATURE (°F)	72	69	67	65	63	63	63	64
		SUCTION SUPERHEAT (°F)	38	30	24	19	15	13	12	12
		OUTDOOR UNIT CURRENT (A)	7.4	8.2	9.1	10.3	11.6	13.1	14.8	16.7
		COMPRESSOR CURRENT (A)	6.4	7.1	8.1	9.3	10.6	12.1	13.8	15.7
	INDOOR COIL DB TEMP DROP (°F)	16	17	17	18	18	18	17	16	
	80/72	1000	LIQUID PRESSURE (PSIG)	188	222	262	306	355	408	467
LIQUID TEMPERATURE (°F)			55	65	76	87	97	107	118	128
LIQUID SUBCOOLING (°F)			11	11	11	11	11	11	11	11
SUCTION PRESSURE (PSIG)			101	113	123	132	140	147	152	156
SUCTION TEMPERATURE (°F)			71	71	69	69	68	67	67	66
SUCTION SUPERHEAT (°F)			39	33	27	23	19	15	13	11
OUTDOOR UNIT CURRENT (A)			7.4	8.2	9.1	10.3	11.6	13.2	14.9	16.7
COMPRESSOR CURRENT (A)			6.3	7.1	8.1	9.3	10.6	12.1	13.9	15.8
INDOOR COIL DB TEMP DROP (°F)		16	16	17	17	17	17	17	16	
1200		LIQUID PRESSURE (PSIG)	189	223	263	307	356	409	468	530
		LIQUID TEMPERATURE (°F)	55	66	76	87	97	108	118	128
		LIQUID SUBCOOLING (°F)	11	11	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	102	114	124	133	141	148	153	157
		SUCTION TEMPERATURE (°F)	73	72	71	70	69	68	68	67
		SUCTION SUPERHEAT (°F)	40	34	28	24	20	16	14	12
		OUTDOOR UNIT CURRENT (A)	7.4	8.2	9.1	10.3	11.6	13.2	14.9	16.7
		COMPRESSOR CURRENT (A)	6.3	7.1	8.1	9.3	10.6	12.1	13.9	15.8
INDOOR COIL DB TEMP DROP (°F)		14	14	15	15	15	15	15	14	
1400		LIQUID PRESSURE (PSIG)	190	224	264	308	357	410	469	531
		LIQUID TEMPERATURE (°F)	56	66	77	87	97	108	118	128
		LIQUID SUBCOOLING (°F)	11	11	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	103	115	125	134	142	149	154	158
		SUCTION TEMPERATURE (°F)	74	74	72	72	71	70	69	69
		SUCTION SUPERHEAT (°F)	41	35	29	25	21	17	15	13
		OUTDOOR UNIT CURRENT (A)	7.4	8.2	9.1	10.3	11.6	13.2	14.9	16.7
		COMPRESSOR CURRENT (A)	6.3	7.1	8.1	9.3	10.6	12.1	13.9	15.8
INDOOR COIL DB TEMP DROP (°F)		12	12	13	13	13	13	13	12	



FOR USE WITH MODELS:  
**YFE42B21S**  
**TF4B4221S**  
**RAC14F42B21S**

YFE42B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	192(10)	194(11)	195(11)	195(11)
60	207(10)	210(11)	211(11)	211(11)
65	223(11)	227(11)	229(11)	229(11)
70	241(11)	246(11)	248(12)	249(12)
75	261(11)	266(11)	268(12)	270(12)
80	282(11)	287(11)	290(12)	292(12)
85	304(11)	310(12)	313(12)	315(12)
90	328(11)	334(12)	337(12)	340(13)
95	354(11)	360(12)	363(12)	366(13)
100	381(12)	387(12)	390(12)	393(13)
105	409(12)	416(12)	418(12)	422(13)
110	439(12)	446(12)	448(12)	452(13)
115	470(12)	477(12)	479(12)	483(13)
120	503(12)	510(12)	511(12)	516(13)
125	538(12)	544(12)	545(12)	550(13)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**YFE42B21S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	189	222	261	305	355	411	471	538
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	107	117	128
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	12	12	12
		SUCTION PRESSURE (PSIG)	118	121	125	128	131	133	135	136
		SUCTION TEMPERATURE (°F)	58	53	51	49	48	49	50	52
		SUCTION SUPERHEAT (°F)	18	12	8	5	3	3	3	5
		OUTDOOR UNIT CURRENT (A)	8.0	8.8	9.8	11.0	12.4	14.0	15.9	17.9
		COMPRESSOR CURRENT (A)	7.0	7.8	8.7	9.9	11.4	13.0	14.8	16.9
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	23	22	21	20	
	1400	LIQUID PRESSURE (PSIG)	190	223	262	306	356	412	472	539
		LIQUID TEMPERATURE (°F)	57	67	76	87	96	107	117	128
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	12	12	12
		SUCTION PRESSURE (PSIG)	120	123	127	130	133	135	137	138
		SUCTION TEMPERATURE (°F)	60	55	53	51	50	51	52	54
		SUCTION SUPERHEAT (°F)	19	13	9	6	4	4	4	6
		OUTDOOR UNIT CURRENT (A)	8.0	8.8	9.8	11.0	12.4	14.0	15.9	17.9
		COMPRESSOR CURRENT (A)	7.0	7.8	8.7	9.9	11.4	13.0	14.8	16.9
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	21	20	19	18	
	1600	LIQUID PRESSURE (PSIG)	191	224	263	307	357	413	473	540
		LIQUID TEMPERATURE (°F)	57	67	76	87	96	107	118	128
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	12	12	12
		SUCTION PRESSURE (PSIG)	122	125	129	132	135	137	139	140
		SUCTION TEMPERATURE (°F)	62	57	55	53	52	53	54	56
		SUCTION SUPERHEAT (°F)	20	14	10	7	5	5	5	7
OUTDOOR UNIT CURRENT (A)		8.0	8.8	9.8	11.0	12.4	14.0	15.9	17.9	
COMPRESSOR CURRENT (A)		7.0	7.8	8.7	9.9	11.4	13.0	14.8	16.9	
INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	19	18	17	16		

Continued on next page.

## YFE42B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1200	LIQUID PRESSURE (PSIG)	190	221	259	302	352	407	468	536
		LIQUID TEMPERATURE (°F)	57	65	75	86	96	106	117	128
		LIQUID SUBCOOLING (°F)	10	11	11	11	11	12	12	12
		SUCTION PRESSURE (PSIG)	113	117	121	124	128	132	135	139
		SUCTION TEMPERATURE (°F)	52	49	48	47	47	48	50	53
		SUCTION SUPERHEAT (°F)	14	10	7	4	3	2	3	4
		OUTDOOR UNIT CURRENT (A)	8.0	8.8	9.8	11.0	12.4	14.0	15.9	18.0
		COMPRESSOR CURRENT (A)	7.0	7.7	8.7	9.9	11.3	13.0	14.8	16.9
	INDOOR COIL DB TEMP DROP (°F)	30	29	29	28	27	26	25	23	
	1400	LIQUID PRESSURE (PSIG)	192	223	261	304	354	409	470	538
		LIQUID TEMPERATURE (°F)	57	66	76	86	97	107	117	128
		LIQUID SUBCOOLING (°F)	10	11	11	11	11	12	12	12
		SUCTION PRESSURE (PSIG)	118	122	126	129	133	137	140	144
		SUCTION TEMPERATURE (°F)	56	54	52	51	51	52	54	57
		SUCTION SUPERHEAT (°F)	16	12	9	6	5	4	5	6
		OUTDOOR UNIT CURRENT (A)	8.0	8.8	9.8	11.0	12.4	14.0	15.9	18.0
		COMPRESSOR CURRENT (A)	7.0	7.7	8.7	9.9	11.3	13.0	14.8	16.9
	INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	24	23	22	20	
	1600	LIQUID PRESSURE (PSIG)	194	225	263	306	356	411	472	540
		LIQUID TEMPERATURE (°F)	58	66	76	87	97	107	117	128
		LIQUID SUBCOOLING (°F)	10	11	11	11	11	12	12	12
		SUCTION PRESSURE (PSIG)	123	127	131	134	138	142	145	149
		SUCTION TEMPERATURE (°F)	60	58	56	55	55	56	58	61
		SUCTION SUPERHEAT (°F)	18	14	11	8	7	6	7	8
		OUTDOOR UNIT CURRENT (A)	8.0	8.8	9.8	11.0	12.4	14.0	15.9	18.0
		COMPRESSOR CURRENT (A)	7.0	7.7	8.7	9.9	11.3	13.0	14.8	16.9
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	19	17	
	80/62	1200	LIQUID PRESSURE (PSIG)	193	226	265	309	359	415	476
LIQUID TEMPERATURE (°F)			57	66	77	86	97	108	118	129
LIQUID SUBCOOLING (°F)			11	11	11	12	12	12	12	12
SUCTION PRESSURE (PSIG)			118	122	125	129	132	135	138	141
SUCTION TEMPERATURE (°F)			59	55	51	50	49	49	51	54
SUCTION SUPERHEAT (°F)			19	13	8	5	3	2	3	5
OUTDOOR UNIT CURRENT (A)			8.0	8.9	9.9	11.1	12.6	14.2	16.1	18.2
COMPRESSOR CURRENT (A)			7.0	7.8	8.8	10.0	11.5	13.2	15.0	17.1
INDOOR COIL DB TEMP DROP (°F)		27	27	27	27	26	25	24	22	
1400		LIQUID PRESSURE (PSIG)	194	227	266	310	360	416	477	544
		LIQUID TEMPERATURE (°F)	57	67	77	86	97	108	118	129
		LIQUID SUBCOOLING (°F)	11	11	11	12	12	12	12	12
		SUCTION PRESSURE (PSIG)	121	125	128	132	135	138	141	144
		SUCTION TEMPERATURE (°F)	61	57	53	52	51	51	53	57
		SUCTION SUPERHEAT (°F)	20	14	9	6	4	3	4	6
		OUTDOOR UNIT CURRENT (A)	8.0	8.9	9.9	11.1	12.6	14.2	16.1	18.2
		COMPRESSOR CURRENT (A)	7.0	7.8	8.8	10.0	11.5	13.2	15.0	17.1
INDOOR COIL DB TEMP DROP (°F)		25	25	25	25	24	23	22	20	
1600		LIQUID PRESSURE (PSIG)	195	228	267	311	361	417	478	545
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	108	118	129
		LIQUID SUBCOOLING (°F)	11	11	11	12	12	12	12	12
		SUCTION PRESSURE (PSIG)	124	128	131	135	138	141	144	147
		SUCTION TEMPERATURE (°F)	64	59	55	54	53	53	56	59
		SUCTION SUPERHEAT (°F)	21	15	10	7	5	4	5	7
		OUTDOOR UNIT CURRENT (A)	8.0	8.9	9.9	11.1	12.6	14.2	16.1	18.2
		COMPRESSOR CURRENT (A)	7.0	7.8	8.8	10.0	11.5	13.2	15.0	17.1
INDOOR COIL DB TEMP DROP (°F)		23	23	23	23	22	21	20	18	

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## YFE42B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1200	LIQUID PRESSURE (PSIG)	195	229	268	313	363	418	479	545
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	108	119	129
		LIQUID SUBCOOLING (°F)	11	11	12	12	12	12	12	12
		SUCTION PRESSURE (PSIG)	122	129	136	141	145	147	149	149
		SUCTION TEMPERATURE (°F)	69	62	57	54	53	53	55	58
		SUCTION SUPERHEAT (°F)	27	17	10	5	2	1	2	5
		OUTDOOR UNIT CURRENT (A)	8.1	8.9	9.9	11.2	12.6	14.2	16.1	18.2
		COMPRESSOR CURRENT (A)	7.0	7.8	8.9	10.1	11.5	13.2	15.0	17.1
	INDOOR COIL DB TEMP DROP (°F)	21	22	23	23	23	22	21	20	
	1400	LIQUID PRESSURE (PSIG)	195	229	268	313	363	418	479	545
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	108	119	129
		LIQUID SUBCOOLING (°F)	11	11	12	12	12	12	12	12
		SUCTION PRESSURE (PSIG)	124	131	138	143	147	149	151	151
		SUCTION TEMPERATURE (°F)	71	63	59	56	55	55	56	59
		SUCTION SUPERHEAT (°F)	28	18	11	6	3	2	3	6
		OUTDOOR UNIT CURRENT (A)	8.1	8.9	9.9	11.2	12.6	14.2	16.1	18.2
		COMPRESSOR CURRENT (A)	7.0	7.8	8.9	10.1	11.5	13.2	15.0	17.1
	INDOOR COIL DB TEMP DROP (°F)	19	20	21	21	21	20	19	18	
	1600	LIQUID PRESSURE (PSIG)	195	229	268	313	363	418	479	545
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	108	119	129
		LIQUID SUBCOOLING (°F)	11	11	12	12	12	12	12	12
		SUCTION PRESSURE (PSIG)	126	133	140	145	149	151	153	153
		SUCTION TEMPERATURE (°F)	72	65	61	58	57	56	58	61
		SUCTION SUPERHEAT (°F)	29	19	12	7	4	3	4	7
OUTDOOR UNIT CURRENT (A)		8.1	8.9	9.9	11.2	12.6	14.2	16.1	18.2	
COMPRESSOR CURRENT (A)		7.0	7.8	8.9	10.1	11.5	13.2	15.0	17.1	
INDOOR COIL DB TEMP DROP (°F)	17	18	19	19	19	18	17	16		
80/72	1200	LIQUID PRESSURE (PSIG)	194	228	269	314	365	421	482	549
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	108	118	129
		LIQUID SUBCOOLING (°F)	11	11	12	12	13	13	13	13
		SUCTION PRESSURE (PSIG)	119	132	143	151	157	161	162	161
		SUCTION TEMPERATURE (°F)	72	69	65	62	60	60	60	62
		SUCTION SUPERHEAT (°F)	32	23	15	9	5	3	3	5
		OUTDOOR UNIT CURRENT (A)	8.0	8.9	9.9	11.2	12.6	14.3	16.2	18.2
		COMPRESSOR CURRENT (A)	7.0	7.8	8.8	10.1	11.6	13.2	15.1	17.2
	INDOOR COIL DB TEMP DROP (°F)	14	16	16	17	17	17	16	15	
	1400	LIQUID PRESSURE (PSIG)	195	229	270	315	366	422	483	550
		LIQUID TEMPERATURE (°F)	57	67	77	88	97	108	118	129
		LIQUID SUBCOOLING (°F)	11	11	12	12	13	13	13	13
		SUCTION PRESSURE (PSIG)	121	134	145	153	159	163	164	163
		SUCTION TEMPERATURE (°F)	74	71	67	64	62	62	62	64
		SUCTION SUPERHEAT (°F)	33	24	16	10	6	4	4	6
		OUTDOOR UNIT CURRENT (A)	8.0	8.9	9.9	11.2	12.6	14.3	16.2	18.2
		COMPRESSOR CURRENT (A)	7.0	7.8	8.8	10.1	11.6	13.2	15.1	17.2
	INDOOR COIL DB TEMP DROP (°F)	13	15	15	16	16	16	15	14	
	1600	LIQUID PRESSURE (PSIG)	196	230	271	316	367	423	484	551
		LIQUID TEMPERATURE (°F)	58	68	77	88	97	108	118	129
		LIQUID SUBCOOLING (°F)	11	11	12	12	13	13	13	13
		SUCTION PRESSURE (PSIG)	123	136	147	155	161	165	166	165
		SUCTION TEMPERATURE (°F)	76	72	69	66	64	63	64	65
		SUCTION SUPERHEAT (°F)	34	25	17	11	7	5	5	7
OUTDOOR UNIT CURRENT (A)		8.0	8.9	9.9	11.2	12.6	14.3	16.2	18.2	
COMPRESSOR CURRENT (A)		7.0	7.8	8.8	10.1	11.6	13.2	15.1	17.2	
INDOOR COIL DB TEMP DROP (°F)	12	14	14	15	15	15	14	13		

FOR USE WITH MODELS:

YFE48B21S

TF4B4821S

RAC14F48B21S

YFE48B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	197(12)	198(12)	198(12)	198(12)
60	213(11)	214(12)	215(11)	215(12)
65	230(11)	231(12)	233(11)	234(11)
70	248(11)	250(11)	252(11)	253(11)
75	268(11)	269(11)	272(11)	274(11)
80	288(11)	290(11)	294(11)	296(11)
85	310(11)	312(11)	316(11)	319(11)
90	334(12)	335(11)	340(12)	343(11)
95	358(12)	360(12)	365(12)	369(12)
100	384(13)	386(12)	391(13)	395(12)
105	411(14)	413(12)	418(13)	423(13)
110	439(15)	441(13)	447(14)	452(14)
115	469(16)	471(14)	477(15)	482(15)
120	499(17)	501(14)	508(16)	514(16)
125	532(18)	533(15)	540(17)	546(17)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YFE48B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1400	LIQUID PRESSURE (PSIG)	197	230	269	312	360	412	469	531
		LIQUID TEMPERATURE (°F)	57	68	79	89	98	107	116	124
		LIQUID SUBCOOLING (°F)	12	11	10	10	11	12	13	15
		SUCTION PRESSURE (PSIG)	105	113	120	125	129	132	134	135
		SUCTION TEMPERATURE (°F)	64	60	56	53	53	53	56	59
		SUCTION SUPERHEAT (°F)	30	22	15	10	8	7	9	12
		OUTDOOR UNIT CURRENT (A)	10.6	11.7	13.0	14.5	16.3	18.2	20.5	22.9
		COMPRESSOR CURRENT (A)	9.6	10.6	11.9	13.5	15.2	17.2	19.4	21.8
	INDOOR COIL DB TEMP DROP (°F)	21	22	23	23	23	22	21	20	
	1600	LIQUID PRESSURE (PSIG)	198	231	270	313	361	413	470	532
		LIQUID TEMPERATURE (°F)	57	68	79	89	98	107	116	124
		LIQUID SUBCOOLING (°F)	12	11	10	10	11	12	13	15
		SUCTION PRESSURE (PSIG)	107	115	122	127	131	134	136	137
		SUCTION TEMPERATURE (°F)	65	61	57	54	53	54	56	60
		SUCTION SUPERHEAT (°F)	30	22	15	10	8	7	9	12
		OUTDOOR UNIT CURRENT (A)	10.6	11.7	13.0	14.5	16.3	18.2	20.5	22.9
		COMPRESSOR CURRENT (A)	9.6	10.6	11.9	13.5	15.2	17.2	19.4	21.8
	INDOOR COIL DB TEMP DROP (°F)	19	20	21	21	21	20	19	18	
	1800	LIQUID PRESSURE (PSIG)	199	232	271	314	362	414	471	533
		LIQUID TEMPERATURE (°F)	57	68	79	89	98	107	116	124
		LIQUID SUBCOOLING (°F)	12	11	10	10	11	12	13	15
		SUCTION PRESSURE (PSIG)	109	117	124	129	133	136	138	139
		SUCTION TEMPERATURE (°F)	66	61	58	55	54	54	57	61
		SUCTION SUPERHEAT (°F)	30	22	15	10	8	7	9	12
OUTDOOR UNIT CURRENT (A)		10.6	11.7	13.0	14.5	16.3	18.2	20.5	22.9	
COMPRESSOR CURRENT (A)		9.6	10.6	11.9	13.5	15.2	17.2	19.4	21.8	
INDOOR COIL DB TEMP DROP (°F)	17	18	19	19	19	18	17	16		

Continued on next page.

## YFE48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1400	LIQUID PRESSURE (PSIG)	195	228	266	308	356	409	467	530
		LIQUID TEMPERATURE (°F)	56	67	77	87	96	105	113	121
		LIQUID SUBCOOLING (°F)	12	11	11	11	12	14	16	18
		SUCTION PRESSURE (PSIG)	103	110	115	120	125	129	133	136
		SUCTION TEMPERATURE (°F)	59	55	52	50	50	51	54	58
		SUCTION SUPERHEAT (°F)	26	19	13	9	7	6	8	11
		OUTDOOR UNIT CURRENT (A)	10.7	11.7	13.0	14.5	16.2	18.2	20.4	22.9
		COMPRESSOR CURRENT (A)	9.6	10.6	11.9	13.4	15.2	17.1	19.4	21.8
	INDOOR COIL DB TEMP DROP (°F)	29	29	29	28	28	27	25	24	
	1600	LIQUID PRESSURE (PSIG)	197	230	268	310	358	411	469	532
		LIQUID TEMPERATURE (°F)	57	68	78	87	97	105	113	121
		LIQUID SUBCOOLING (°F)	12	11	11	11	12	14	16	18
		SUCTION PRESSURE (PSIG)	106	113	118	123	128	132	136	139
		SUCTION TEMPERATURE (°F)	61	58	54	52	52	53	56	61
		SUCTION SUPERHEAT (°F)	27	20	14	10	8	7	9	12
		OUTDOOR UNIT CURRENT (A)	10.7	11.7	13.0	14.5	16.2	18.2	20.4	22.9
		COMPRESSOR CURRENT (A)	9.6	10.6	11.9	13.4	15.2	17.1	19.4	21.8
	INDOOR COIL DB TEMP DROP (°F)	27	27	27	26	26	25	23	22	
	1800	LIQUID PRESSURE (PSIG)	199	232	270	312	360	413	471	534
		LIQUID TEMPERATURE (°F)	57	68	78	88	97	105	113	121
		LIQUID SUBCOOLING (°F)	12	11	11	11	12	14	16	18
		SUCTION PRESSURE (PSIG)	109	116	121	126	131	135	139	142
		SUCTION TEMPERATURE (°F)	64	60	56	54	54	55	59	63
		SUCTION SUPERHEAT (°F)	28	21	15	11	9	8	10	13
OUTDOOR UNIT CURRENT (A)		10.7	11.7	13.0	14.5	16.2	18.2	20.4	22.9	
COMPRESSOR CURRENT (A)		9.6	10.6	11.9	13.4	15.2	17.1	19.4	21.8	
INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	24	23	21	20		
80/62	1400	LIQUID PRESSURE (PSIG)	197	230	268	311	359	412	470	532
		LIQUID TEMPERATURE (°F)	57	67	78	88	97	107	115	124
		LIQUID SUBCOOLING (°F)	12	12	11	11	12	12	14	15
		SUCTION PRESSURE (PSIG)	106	114	120	125	130	133	136	137
		SUCTION TEMPERATURE (°F)	66	60	55	52	51	52	54	59
		SUCTION SUPERHEAT (°F)	32	22	14	9	6	6	7	11
		OUTDOOR UNIT CURRENT (A)	10.7	11.7	13.0	14.5	16.3	18.3	20.5	22.9
		COMPRESSOR CURRENT (A)	9.6	10.6	11.9	13.5	15.2	17.2	19.4	21.9
	INDOOR COIL DB TEMP DROP (°F)	24	26	27	27	27	26	25	23	
	1600	LIQUID PRESSURE (PSIG)	198	231	269	312	360	413	471	533
		LIQUID TEMPERATURE (°F)	57	67	78	88	97	107	115	124
		LIQUID SUBCOOLING (°F)	12	12	11	11	12	12	14	15
		SUCTION PRESSURE (PSIG)	108	116	122	127	132	135	138	139
		SUCTION TEMPERATURE (°F)	68	62	57	54	53	54	56	61
		SUCTION SUPERHEAT (°F)	33	23	15	10	7	7	8	12
		OUTDOOR UNIT CURRENT (A)	10.7	11.7	13.0	14.5	16.3	18.3	20.5	22.9
		COMPRESSOR CURRENT (A)	9.6	10.6	11.9	13.5	15.2	17.2	19.4	21.9
	INDOOR COIL DB TEMP DROP (°F)	22	24	25	25	25	24	23	21	
	1800	LIQUID PRESSURE (PSIG)	199	232	270	313	361	414	472	534
		LIQUID TEMPERATURE (°F)	57	67	78	88	97	107	115	124
		LIQUID SUBCOOLING (°F)	12	12	11	11	12	12	14	15
		SUCTION PRESSURE (PSIG)	110	118	124	129	134	137	140	141
		SUCTION TEMPERATURE (°F)	70	64	59	56	55	56	58	62
		SUCTION SUPERHEAT (°F)	34	24	16	11	8	8	9	13
OUTDOOR UNIT CURRENT (A)		10.7	11.7	13.0	14.5	16.3	18.3	20.5	22.9	
COMPRESSOR CURRENT (A)		9.6	10.6	11.9	13.5	15.2	17.2	19.4	21.9	
INDOOR COIL DB TEMP DROP (°F)	20	22	23	23	23	22	21	19		

Continued on next page.

## YFE48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1400	LIQUID PRESSURE (PSIG)	197	232	271	315	364	417	476	539
		LIQUID TEMPERATURE (°F)	57	68	78	89	98	107	115	123
		LIQUID SUBCOOLING (°F)	12	11	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	108	119	128	135	141	145	147	148
		SUCTION TEMPERATURE (°F)	71	67	63	61	59	59	60	61
		SUCTION SUPERHEAT (°F)	36	27	19	14	10	8	8	9
		OUTDOOR UNIT CURRENT (A)	10.7	11.7	13.0	14.6	16.3	18.4	20.6	23.1
		COMPRESSOR CURRENT (A)	9.6	10.7	12.0	13.5	15.3	17.3	19.5	22.0
	INDOOR COIL DB TEMP DROP (°F)	19	20	21	22	22	21	21	19	
	1600	LIQUID PRESSURE (PSIG)	198	233	272	316	365	418	477	540
		LIQUID TEMPERATURE (°F)	57	68	79	89	98	107	115	123
		LIQUID SUBCOOLING (°F)	12	11	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	109	120	129	136	142	146	148	149
		SUCTION TEMPERATURE (°F)	73	69	65	62	61	60	61	63
		SUCTION SUPERHEAT (°F)	37	28	20	15	11	9	9	10
		OUTDOOR UNIT CURRENT (A)	10.7	11.7	13.0	14.6	16.3	18.4	20.6	23.1
		COMPRESSOR CURRENT (A)	9.6	10.7	12.0	13.5	15.3	17.3	19.5	22.0
	INDOOR COIL DB TEMP DROP (°F)	18	19	20	21	21	20	20	18	
	1800	LIQUID PRESSURE (PSIG)	199	234	273	317	366	419	478	541
		LIQUID TEMPERATURE (°F)	57	69	79	89	98	107	115	123
		LIQUID SUBCOOLING (°F)	12	11	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	110	121	130	137	143	147	149	150
		SUCTION TEMPERATURE (°F)	74	70	66	64	62	62	63	64
		SUCTION SUPERHEAT (°F)	38	29	21	16	12	10	10	11
OUTDOOR UNIT CURRENT (A)		10.7	11.7	13.0	14.6	16.3	18.4	20.6	23.1	
COMPRESSOR CURRENT (A)		9.6	10.7	12.0	13.5	15.3	17.3	19.5	22.0	
INDOOR COIL DB TEMP DROP (°F)	17	18	19	20	20	19	19	17		
80/72	1400	LIQUID PRESSURE (PSIG)	198	234	274	319	369	423	482	546
		LIQUID TEMPERATURE (°F)	57	69	79	89	99	108	116	124
		LIQUID SUBCOOLING (°F)	12	11	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	108	120	132	141	149	155	159	161
		SUCTION TEMPERATURE (°F)	73	71	70	68	68	67	66	67
		SUCTION SUPERHEAT (°F)	38	30	24	19	15	12	10	10
		OUTDOOR UNIT CURRENT (A)	10.6	11.7	13.0	14.6	16.4	18.4	20.7	23.2
		COMPRESSOR CURRENT (A)	9.6	10.7	12.0	13.5	15.3	17.4	19.6	22.1
	INDOOR COIL DB TEMP DROP (°F)	15	16	16	17	17	16	16	15	
	1600	LIQUID PRESSURE (PSIG)	198	234	274	319	369	423	482	546
		LIQUID TEMPERATURE (°F)	57	69	79	89	99	108	116	124
		LIQUID SUBCOOLING (°F)	12	11	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	109	121	133	142	150	156	160	162
		SUCTION TEMPERATURE (°F)	75	72	71	70	69	68	68	68
		SUCTION SUPERHEAT (°F)	39	31	25	20	16	13	11	11
		OUTDOOR UNIT CURRENT (A)	10.6	11.7	13.0	14.6	16.4	18.4	20.7	23.2
		COMPRESSOR CURRENT (A)	9.6	10.7	12.0	13.5	15.3	17.4	19.6	22.1
	INDOOR COIL DB TEMP DROP (°F)	14	15	15	16	16	15	15	14	
	1800	LIQUID PRESSURE (PSIG)	198	234	274	319	369	423	482	546
		LIQUID TEMPERATURE (°F)	57	69	79	89	99	108	116	124
		LIQUID SUBCOOLING (°F)	12	11	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	110	122	134	143	151	157	161	163
		SUCTION TEMPERATURE (°F)	76	74	73	71	70	69	69	70
		SUCTION SUPERHEAT (°F)	40	32	26	21	17	14	12	12
OUTDOOR UNIT CURRENT (A)		10.6	11.7	13.0	14.6	16.4	18.4	20.7	23.2	
COMPRESSOR CURRENT (A)		9.6	10.7	12.0	13.5	15.3	17.4	19.6	22.1	
INDOOR COIL DB TEMP DROP (°F)	13	14	14	15	15	14	14	13		

FOR USE WITH MODELS:  
**YFE60B21S**  
**TF4B6021S**  
**RAC14F60B21S**

YFE60B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	196(14)	198(15)	200(15)	201(16)
60	213(14)	216(15)	218(15)	220(16)
65	231(15)	234(15)	236(15)	239(16)
70	251(15)	254(15)	256(16)	259(16)
75	271(15)	275(15)	277(15)	280(16)
80	293(15)	296(15)	299(15)	302(16)
85	315(15)	319(15)	321(15)	325(16)
90	339(15)	342(15)	345(15)	349(16)
95	364(14)	367(15)	370(15)	374(16)
100	390(14)	393(15)	396(15)	400(16)
105	416(14)	420(14)	422(15)	427(15)
110	444(14)	447(14)	450(14)	455(15)
115	473(14)	476(14)	479(14)	484(15)
120	504(13)	506(13)	508(14)	513(14)
125	535(13)	537(13)	539(13)	544(14)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**YFE60B21S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1530	LIQUID PRESSURE (PSIG)	197	233	272	316	365	417	474	535
		LIQUID TEMPERATURE (°F)	54	64	75	85	95	106	116	126
		LIQUID SUBCOOLING (°F)	15	15	15	15	15	14	14	13
		SUCTION PRESSURE (PSIG)	109	112	116	119	122	125	128	131
		SUCTION TEMPERATURE (°F)	54	53	53	52	54	55	56	59
		SUCTION SUPERHEAT (°F)	18	16	14	12	12	12	12	14
		OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.6	16.3	18.4	20.7	23.4	26.3
		COMPRESSOR CURRENT (A)	10.8	12.0	13.5	15.2	17.3	19.7	22.3	25.3
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	23	22	22	21	
	1730	LIQUID PRESSURE (PSIG)	198	234	273	317	366	418	475	536
		LIQUID TEMPERATURE (°F)	54	65	75	85	95	106	116	127
		LIQUID SUBCOOLING (°F)	15	15	15	15	15	14	14	13
		SUCTION PRESSURE (PSIG)	111	114	118	121	124	127	130	133
		SUCTION TEMPERATURE (°F)	55	54	54	53	55	56	57	60
		SUCTION SUPERHEAT (°F)	18	16	14	12	12	12	12	14
		OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.6	16.3	18.4	20.7	23.4	26.3
		COMPRESSOR CURRENT (A)	10.8	12.0	13.5	15.2	17.3	19.7	22.3	25.3
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	22	21	21	20	
	1930	LIQUID PRESSURE (PSIG)	199	235	274	318	367	419	476	537
		LIQUID TEMPERATURE (°F)	54	65	75	85	95	106	116	127
		LIQUID SUBCOOLING (°F)	15	15	15	15	15	14	14	13
		SUCTION PRESSURE (PSIG)	113	116	120	123	126	129	132	135
		SUCTION TEMPERATURE (°F)	56	55	55	54	55	57	58	61
		SUCTION SUPERHEAT (°F)	18	16	14	12	12	12	12	14
OUTDOOR UNIT CURRENT (A)		12.0	13.1	14.6	16.3	18.4	20.7	23.4	26.3	
COMPRESSOR CURRENT (A)		10.8	12.0	13.5	15.2	17.3	19.7	22.3	25.3	
INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	21	20	20	19		

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## YFE60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1530	LIQUID PRESSURE (PSIG)	194	229	269	313	362	414	471	533
		LIQUID TEMPERATURE (°F)	54	63	74	84	95	105	115	126
		LIQUID SUBCOOLING (°F)	14	15	15	15	14	14	14	13
		SUCTION PRESSURE (PSIG)	99	103	107	111	115	119	123	128
		SUCTION TEMPERATURE (°F)	46	48	49	51	52	53	56	58
		SUCTION SUPERHEAT (°F)	15	15	14	14	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	11.8	13.0	14.4	16.2	18.2	20.6	23.3	26.2
		COMPRESSOR CURRENT (A)	10.7	11.8	13.3	15.1	17.2	19.5	22.2	25.2
	INDOOR COIL DB TEMP DROP (°F)	33	32	31	30	29	28	26	25	
	1730	LIQUID PRESSURE (PSIG)	196	231	271	315	364	416	473	535
		LIQUID TEMPERATURE (°F)	55	64	74	85	96	106	116	126
		LIQUID SUBCOOLING (°F)	14	15	15	15	14	14	14	13
		SUCTION PRESSURE (PSIG)	103	107	111	115	119	123	127	132
		SUCTION TEMPERATURE (°F)	48	50	51	53	53	55	58	60
		SUCTION SUPERHEAT (°F)	15	15	14	14	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	11.9	13.1	14.5	16.3	18.3	20.7	23.4	26.3
		COMPRESSOR CURRENT (A)	10.8	11.9	13.4	15.2	17.3	19.6	22.3	25.3
	INDOOR COIL DB TEMP DROP (°F)	31	30	29	28	27	26	24	23	
	1930	LIQUID PRESSURE (PSIG)	198	233	273	317	366	418	475	537
		LIQUID TEMPERATURE (°F)	55	64	75	85	96	106	116	127
		LIQUID SUBCOOLING (°F)	14	15	15	15	14	14	14	13
		SUCTION PRESSURE (PSIG)	107	111	115	119	123	127	131	136
		SUCTION TEMPERATURE (°F)	50	52	53	54	55	57	59	61
		SUCTION SUPERHEAT (°F)	15	15	14	14	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	12.0	13.2	14.6	16.4	18.4	20.8	23.5	26.4
		COMPRESSOR CURRENT (A)	10.9	12.0	13.5	15.3	17.4	19.7	22.4	25.4
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	22	21	
	80/62	1530	LIQUID PRESSURE (PSIG)	197	233	274	318	366	419	475
LIQUID TEMPERATURE (°F)			54	64	75	85	95	106	116	127
LIQUID SUBCOOLING (°F)			15	15	15	15	15	14	14	13
SUCTION PRESSURE (PSIG)			109	113	116	120	123	126	129	132
SUCTION TEMPERATURE (°F)			54	53	51	52	52	53	56	59
SUCTION SUPERHEAT (°F)			18	15	12	11	10	10	11	13
OUTDOOR UNIT CURRENT (A)			12.0	13.2	14.6	16.4	18.5	20.8	23.4	26.4
COMPRESSOR CURRENT (A)			10.9	12.0	13.5	15.3	17.4	19.7	22.4	25.3
INDOOR COIL DB TEMP DROP (°F)		29	29	29	28	28	27	26	25	
1730		LIQUID PRESSURE (PSIG)	198	234	275	319	367	420	476	537
		LIQUID TEMPERATURE (°F)	54	65	75	85	95	107	116	127
		LIQUID SUBCOOLING (°F)	15	15	15	15	15	14	14	13
		SUCTION PRESSURE (PSIG)	111	115	118	122	125	128	131	134
		SUCTION TEMPERATURE (°F)	56	55	53	54	54	55	57	61
		SUCTION SUPERHEAT (°F)	19	16	13	12	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	12.0	13.2	14.6	16.4	18.5	20.8	23.4	26.4
		COMPRESSOR CURRENT (A)	10.9	12.0	13.5	15.3	17.4	19.7	22.4	25.3
INDOOR COIL DB TEMP DROP (°F)		27	27	27	26	26	25	24	23	
1930		LIQUID PRESSURE (PSIG)	199	235	276	320	368	421	477	538
		LIQUID TEMPERATURE (°F)	54	65	76	86	96	107	116	127
		LIQUID SUBCOOLING (°F)	15	15	15	15	15	14	14	13
		SUCTION PRESSURE (PSIG)	113	117	120	124	127	130	133	136
		SUCTION TEMPERATURE (°F)	57	55	54	55	55	56	58	61
		SUCTION SUPERHEAT (°F)	19	16	13	12	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	12.0	13.2	14.6	16.4	18.5	20.8	23.4	26.4
		COMPRESSOR CURRENT (A)	10.9	12.0	13.5	15.3	17.4	19.7	22.4	25.3
INDOOR COIL DB TEMP DROP (°F)		25	25	25	24	24	23	22	21	

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## YFE60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1530	LIQUID PRESSURE (PSIG)	199	235	276	320	369	421	478	538
		LIQUID TEMPERATURE (°F)	54	65	76	86	96	106	116	127
		LIQUID SUBCOOLING (°F)	15	15	15	15	15	15	14	13
		SUCTION PRESSURE (PSIG)	115	120	125	130	133	137	139	142
		SUCTION TEMPERATURE (°F)	61	59	57	57	57	59	60	63
		SUCTION SUPERHEAT (°F)	22	18	14	12	11	11	11	13
		OUTDOOR UNIT CURRENT (A)	12.1	13.3	14.7	16.5	18.6	20.9	23.5	26.5
		COMPRESSOR CURRENT (A)	10.9	12.1	13.6	15.4	17.5	19.8	22.5	25.4
	INDOOR COIL DB TEMP DROP (°F)	24	25	25	24	24	23	23	22	
	1730	LIQUID PRESSURE (PSIG)	200	236	277	321	370	422	479	539
		LIQUID TEMPERATURE (°F)	55	65	76	86	96	106	117	127
		LIQUID SUBCOOLING (°F)	15	15	15	15	15	15	14	13
		SUCTION PRESSURE (PSIG)	117	122	127	132	135	139	141	144
		SUCTION TEMPERATURE (°F)	62	61	59	59	59	61	61	65
		SUCTION SUPERHEAT (°F)	23	19	15	13	12	12	12	14
		OUTDOOR UNIT CURRENT (A)	12.1	13.3	14.7	16.5	18.6	20.9	23.5	26.5
		COMPRESSOR CURRENT (A)	10.9	12.1	13.6	15.4	17.5	19.8	22.5	25.4
	INDOOR COIL DB TEMP DROP (°F)	22	23	23	22	22	21	21	20	
	1930	LIQUID PRESSURE (PSIG)	201	237	278	322	371	423	480	540
		LIQUID TEMPERATURE (°F)	55	65	76	86	96	106	117	127
		LIQUID SUBCOOLING (°F)	15	15	15	15	15	15	14	13
		SUCTION PRESSURE (PSIG)	119	124	129	134	137	141	143	146
		SUCTION TEMPERATURE (°F)	64	63	61	61	61	62	63	66
		SUCTION SUPERHEAT (°F)	24	20	16	14	13	13	13	15
		OUTDOOR UNIT CURRENT (A)	12.1	13.3	14.7	16.5	18.6	20.9	23.5	26.5
		COMPRESSOR CURRENT (A)	10.9	12.1	13.6	15.4	17.5	19.8	22.5	25.4
	INDOOR COIL DB TEMP DROP (°F)	20	21	21	20	20	19	19	18	
	80/72	1530	LIQUID PRESSURE (PSIG)	200	238	279	324	373	426	483
LIQUID TEMPERATURE (°F)			54	65	75	86	96	107	116	127
LIQUID SUBCOOLING (°F)			16	16	16	16	16	15	15	14
SUCTION PRESSURE (PSIG)			117	125	132	138	143	147	150	151
SUCTION TEMPERATURE (°F)			65	64	64	63	63	64	66	67
SUCTION SUPERHEAT (°F)			26	21	18	15	13	12	13	14
OUTDOOR UNIT CURRENT (A)			12.1	13.4	14.9	16.7	18.7	21.1	23.7	26.7
COMPRESSOR CURRENT (A)			11.0	12.2	13.8	15.6	17.7	20.0	22.7	25.6
INDOOR COIL DB TEMP DROP (°F)		18	19	19	19	18	18	17	16	
1730		LIQUID PRESSURE (PSIG)	201	239	280	325	374	427	484	544
		LIQUID TEMPERATURE (°F)	54	65	75	86	96	107	116	127
		LIQUID SUBCOOLING (°F)	16	16	16	16	16	15	15	14
		SUCTION PRESSURE (PSIG)	119	127	134	140	145	149	152	153
		SUCTION TEMPERATURE (°F)	67	66	66	65	65	66	68	69
		SUCTION SUPERHEAT (°F)	27	22	19	16	14	13	14	15
		OUTDOOR UNIT CURRENT (A)	12.1	13.4	14.9	16.7	18.7	21.1	23.7	26.7
		COMPRESSOR CURRENT (A)	11.0	12.2	13.8	15.6	17.7	20.0	22.7	25.6
INDOOR COIL DB TEMP DROP (°F)		17	18	18	18	17	17	16	15	
1930		LIQUID PRESSURE (PSIG)	202	240	281	326	375	428	485	545
		LIQUID TEMPERATURE (°F)	54	65	76	86	96	107	117	127
		LIQUID SUBCOOLING (°F)	16	16	16	16	16	15	15	14
		SUCTION PRESSURE (PSIG)	121	129	136	142	147	151	154	155
		SUCTION TEMPERATURE (°F)	69	68	67	67	67	67	69	71
		SUCTION SUPERHEAT (°F)	28	23	20	17	15	14	15	16
		OUTDOOR UNIT CURRENT (A)	12.1	13.4	14.9	16.7	18.7	21.1	23.7	26.7
		COMPRESSOR CURRENT (A)	11.0	12.2	13.8	15.6	17.7	20.0	22.7	25.6
INDOOR COIL DB TEMP DROP (°F)		16	17	17	17	16	16	15	14	

FOR USE WITH MODELS:

**YCG18B21S**  
**CC7B1821S**  
**TC7B1821S**  
**RAC17L18B21**

YCG18B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	179(6)	179(6)	181(5)	180(4)
60	190(5)	193(6)	194(5)	193(4)
65	204(5)	208(6)	210(5)	208(5)
70	220(5)	226(6)	227(6)	225(5)
75	240(6)	246(7)	246(6)	244(5)
80	262(6)	268(7)	269(8)	265(6)
85	286(7)	292(8)	293(8)	289(7)
90	314(8)	319(8)	317(8)	315(7)
95	344(9)	348(9)	345(9)	343(8)
100	377(10)	379(10)	375(10)	373(9)
105	413(12)	412(11)	407(10)	405(10)
110	451(13)	447(12)	441(11)	440(11)
115	492(15)	485(13)	477(13)	477(13)
120	536(17)	524(15)	515(14)	517(14)
125	582(19)	566(16)	555(15)	558(15)

Charging chart is for use in High Stage (full capacity) mode only.  
Charging chart is for use in Cooling mode only.  
Subcooling Chart is for use with TXV indoor expansion device only.

## YCG18B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	450	LIQUID PRESSURE (PSIG)	181	207	243	288	344	410	485	570
		LIQUID TEMPERATURE (°F)	58	67	76	86	97	108	118	128
		LIQUID SUBCOOLING (°F)	6	5	6	7	9	11	14	17
		SUCTION PRESSURE (PSIG)	119	120	122	124	126	129	132	135
		SUCTION TEMPERATURE (°F)	51	52	53	54	54	56	57	59
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	3.3	3.5	3.9	4.5	5.2	6.2	7.3	8.6
		COMPRESSOR CURRENT (A)	2.6	2.8	3.2	3.8	4.5	5.5	6.6	7.9
	INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	25	24	23	22	
	600	LIQUID PRESSURE (PSIG)	180	206	242	287	343	409	484	569
		LIQUID TEMPERATURE (°F)	57	67	76	86	97	108	117	127
		LIQUID SUBCOOLING (°F)	6	5	6	7	9	11	14	17
		SUCTION PRESSURE (PSIG)	124	125	127	129	131	134	137	140
		SUCTION TEMPERATURE (°F)	54	54	55	56	56	58	59	61
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	3.3	3.5	3.9	4.5	5.2	6.2	7.3	8.6
		COMPRESSOR CURRENT (A)	2.6	2.8	3.2	3.8	4.5	5.5	6.6	7.9
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20	19	
	750	LIQUID PRESSURE (PSIG)	179	205	241	286	342	408	483	568
		LIQUID TEMPERATURE (°F)	57	66	76	86	96	107	117	127
		LIQUID SUBCOOLING (°F)	6	5	6	7	9	11	14	17
		SUCTION PRESSURE (PSIG)	129	130	132	134	136	139	142	145
		SUCTION TEMPERATURE (°F)	56	56	57	58	58	60	61	63
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	11	12
OUTDOOR UNIT CURRENT (A)		3.3	3.5	3.9	4.5	5.2	6.2	7.3	8.6	
COMPRESSOR CURRENT (A)		2.6	2.8	3.2	3.8	4.5	5.5	6.6	7.9	
INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	19	18	17	16		

Continued on next page.

## YCG18B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	450	LIQUID PRESSURE (PSIG)	184	209	245	291	349	418	497	587
		LIQUID TEMPERATURE (°F)	58	67	76	86	97	107	118	127
		LIQUID SUBCOOLING (°F)	7	6	7	8	10	13	16	20
		SUCTION PRESSURE (PSIG)	109	111	113	116	120	124	129	134
		SUCTION TEMPERATURE (°F)	47	48	49	50	53	55	56	58
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	11	11
		OUTDOOR UNIT CURRENT (A)	3.5	3.7	4.1	4.7	5.5	6.5	7.7	9.2
		COMPRESSOR CURRENT (A)	2.8	3.0	3.4	4.0	4.8	5.8	7.0	8.4
	INDOOR COIL DB TEMP DROP (°F)	33	32	32	31	30	28	27	26	
	600	LIQUID PRESSURE (PSIG)	179	204	240	286	344	413	492	582
		LIQUID TEMPERATURE (°F)	57	66	75	86	97	107	118	127
		LIQUID SUBCOOLING (°F)	6	5	6	7	9	12	15	19
		SUCTION PRESSURE (PSIG)	118	120	122	125	129	133	138	143
		SUCTION TEMPERATURE (°F)	51	52	53	54	57	58	59	61
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	11	11
		OUTDOOR UNIT CURRENT (A)	3.3	3.5	3.9	4.5	5.3	6.3	7.5	9.0
		COMPRESSOR CURRENT (A)	2.6	2.8	3.2	3.8	4.6	5.6	6.8	8.2
	INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	24	23	22	
	750	LIQUID PRESSURE (PSIG)	174	199	235	281	339	408	487	577
		LIQUID TEMPERATURE (°F)	56	65	75	86	97	107	118	128
		LIQUID SUBCOOLING (°F)	5	4	5	6	8	11	14	18
		SUCTION PRESSURE (PSIG)	127	129	131	134	138	142	147	152
		SUCTION TEMPERATURE (°F)	55	56	56	58	60	62	63	65
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	11	11
OUTDOOR UNIT CURRENT (A)		3.1	3.3	3.7	4.3	5.1	6.1	7.3	8.8	
COMPRESSOR CURRENT (A)		2.4	2.6	3.0	3.6	4.4	5.4	6.6	8.0	
INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	20	19	18		
80/62	450	LIQUID PRESSURE (PSIG)	183	212	250	296	352	416	489	570
		LIQUID TEMPERATURE (°F)	57	66	76	86	97	108	118	128
		LIQUID SUBCOOLING (°F)	7	7	8	9	10	12	14	17
		SUCTION PRESSURE (PSIG)	118	120	122	124	127	130	134	138
		SUCTION TEMPERATURE (°F)	50	51	53	54	55	56	58	60
		SUCTION SUPERHEAT (°F)	10	10	11	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	3.4	3.6	4.0	4.6	5.4	6.3	7.4	8.6
		COMPRESSOR CURRENT (A)	2.7	2.9	3.3	3.9	4.7	5.6	6.7	7.9
	INDOOR COIL DB TEMP DROP (°F)	31	30	29	29	28	27	26	25	
	600	LIQUID PRESSURE (PSIG)	179	208	246	292	348	412	485	566
		LIQUID TEMPERATURE (°F)	57	66	76	86	98	108	119	128
		LIQUID SUBCOOLING (°F)	6	6	7	8	9	11	13	16
		SUCTION PRESSURE (PSIG)	124	126	128	130	133	136	140	144
		SUCTION TEMPERATURE (°F)	53	53	55	56	57	58	60	63
		SUCTION SUPERHEAT (°F)	10	10	11	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	3.3	3.5	3.9	4.5	5.3	6.2	7.3	8.5
		COMPRESSOR CURRENT (A)	2.6	2.8	3.2	3.8	4.6	5.5	6.6	7.8
	INDOOR COIL DB TEMP DROP (°F)	28	27	26	26	25	24	23	22	
	750	LIQUID PRESSURE (PSIG)	175	204	242	288	344	408	481	562
		LIQUID TEMPERATURE (°F)	57	66	76	86	98	108	119	128
		LIQUID SUBCOOLING (°F)	5	5	6	7	8	10	12	15
		SUCTION PRESSURE (PSIG)	130	132	134	136	139	142	146	150
		SUCTION TEMPERATURE (°F)	55	56	58	58	60	61	62	65
		SUCTION SUPERHEAT (°F)	10	10	11	11	11	11	11	12
OUTDOOR UNIT CURRENT (A)		3.2	3.4	3.8	4.4	5.2	6.1	7.2	8.4	
COMPRESSOR CURRENT (A)		2.5	2.7	3.1	3.7	4.5	5.4	6.5	7.7	
INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20	19		

Continued on next page.

## YCG18B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	450	LIQUID PRESSURE (PSIG)	183	212	248	294	347	409	479	557
		LIQUID TEMPERATURE (°F)	58	67	76	87	96	108	117	127
		LIQUID SUBCOOLING (°F)	6	6	7	8	10	11	14	16
		SUCTION PRESSURE (PSIG)	130	132	134	136	139	142	145	148
		SUCTION TEMPERATURE (°F)	56	57	57	57	59	61	62	63
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	11	11	11
		OUTDOOR UNIT CURRENT (A)	3.3	3.6	4.0	4.6	5.3	6.1	7.1	8.3
		COMPRESSOR CURRENT (A)	2.6	2.9	3.3	3.9	4.6	5.4	6.4	7.6
	INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	25	24	23	22	
	600	LIQUID PRESSURE (PSIG)	181	210	246	292	345	407	477	555
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	108	117	127
		LIQUID SUBCOOLING (°F)	5	5	6	7	9	10	13	15
		SUCTION PRESSURE (PSIG)	135	137	139	141	144	147	150	153
		SUCTION TEMPERATURE (°F)	58	59	59	59	61	63	64	65
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	11	11	11
		OUTDOOR UNIT CURRENT (A)	3.2	3.5	3.9	4.5	5.2	6.0	7.0	8.2
		COMPRESSOR CURRENT (A)	2.5	2.8	3.2	3.8	4.5	5.3	6.3	7.5
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20	19	
	750	LIQUID PRESSURE (PSIG)	179	208	244	290	343	405	475	553
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	109	118	128
		LIQUID SUBCOOLING (°F)	4	4	5	6	8	9	12	14
		SUCTION PRESSURE (PSIG)	140	142	144	146	149	152	155	158
		SUCTION TEMPERATURE (°F)	60	61	61	61	63	65	66	67
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	11	11	11
		OUTDOOR UNIT CURRENT (A)	3.1	3.4	3.8	4.4	5.1	5.9	6.9	8.1
		COMPRESSOR CURRENT (A)	2.4	2.7	3.1	3.7	4.4	5.2	6.2	7.4
	INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	19	18	17	16	
	80/72	450	LIQUID PRESSURE (PSIG)	181	209	245	290	344	406	478
LIQUID TEMPERATURE (°F)			60	68	78	87	98	108	117	128
LIQUID SUBCOOLING (°F)			4	5	5	7	8	10	13	15
SUCTION PRESSURE (PSIG)			141	144	146	149	152	155	158	161
SUCTION TEMPERATURE (°F)			62	63	62	64	64	66	67	68
SUCTION SUPERHEAT (°F)			13	12	11	11	10	11	11	11
OUTDOOR UNIT CURRENT (A)			3.2	3.5	3.9	4.4	5.1	6.0	7.0	8.2
COMPRESSOR CURRENT (A)			2.5	2.7	3.1	3.7	4.4	5.3	6.3	7.5
INDOOR COIL DB TEMP DROP (°F)		21	20	20	19	19	18	18	17	
600		LIQUID PRESSURE (PSIG)	180	208	244	289	343	405	477	558
		LIQUID TEMPERATURE (°F)	59	67	77	87	98	108	117	128
		LIQUID SUBCOOLING (°F)	4	5	5	7	8	10	13	15
		SUCTION PRESSURE (PSIG)	146	149	151	154	157	160	163	166
		SUCTION TEMPERATURE (°F)	64	65	64	65	65	68	69	70
		SUCTION SUPERHEAT (°F)	13	12	11	11	10	11	11	11
		OUTDOOR UNIT CURRENT (A)	3.2	3.5	3.9	4.4	5.1	6.0	7.0	8.2
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.7	4.4	5.3	6.3	7.5
INDOOR COIL DB TEMP DROP (°F)		19	18	18	17	17	16	16	15	
750		LIQUID PRESSURE (PSIG)	179	207	243	288	342	404	476	557
		LIQUID TEMPERATURE (°F)	59	67	77	86	97	108	117	128
		LIQUID SUBCOOLING (°F)	4	5	5	7	8	10	13	15
		SUCTION PRESSURE (PSIG)	151	154	156	159	162	165	168	171
		SUCTION TEMPERATURE (°F)	66	66	66	67	67	69	70	71
		SUCTION SUPERHEAT (°F)	13	12	11	11	10	11	11	11
		OUTDOOR UNIT CURRENT (A)	3.2	3.5	3.9	4.4	5.1	6.0	7.0	8.2
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.7	4.4	5.3	6.3	7.5
INDOOR COIL DB TEMP DROP (°F)		17	16	16	15	15	14	14	13	

FOR USE WITH MODELS:

- YCG24B21S
- CC7B2421S
- TC7B2421S
- RAC17L24B21

YCG24B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	184(4)	185(1)	187(4)	192(6)
60	198(5)	200(3)	201(5)	205(6)
65	214(6)	216(5)	217(5)	220(6)
70	232(7)	235(6)	235(6)	237(6)
75	253(8)	256(8)	255(7)	257(6)
80	275(9)	279(9)	278(8)	278(7)
85	300(10)	305(11)	302(8)	303(7)
90	327(11)	332(12)	327(9)	329(8)
95	357(12)	362(13)	355(10)	358(9)
100	388(13)	394(14)	385(11)	390(10)
105	422(14)	427(15)	417(12)	423(11)
110	458(15)	464(16)	451(13)	459(13)
115	497(16)	502(17)	487(14)	497(14)
120	537(17)	542(18)	525(15)	538(16)
125	580(18)	585(18)	565(17)	581(18)

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

YCG24B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	189	215	252	300	359	428	509	601
		LIQUID TEMPERATURE (°F)	60	66	74	84	96	106	117	129
		LIQUID SUBCOOLING (°F)	6	8	10	12	13	16	18	20
		SUCTION PRESSURE (PSIG)	118	120	122	124	126	129	132	135
		SUCTION TEMPERATURE (°F)	51	51	51	52	52	54	55	56
		SUCTION SUPERHEAT (°F)	11	10	9	9	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	4.3	4.6	5.1	5.9	6.8	8.0	9.4	11.1
		COMPRESSOR CURRENT (A)	3.4	3.7	4.2	5.0	5.9	7.1	8.5	10.2
		INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	24	23	22	21
	800	LIQUID PRESSURE (PSIG)	190	216	253	301	360	429	510	602
		LIQUID TEMPERATURE (°F)	61	67	75	84	96	106	118	129
		LIQUID SUBCOOLING (°F)	6	8	10	12	13	16	18	20
		SUCTION PRESSURE (PSIG)	123	125	127	129	131	134	137	140
		SUCTION TEMPERATURE (°F)	53	53	53	54	54	56	57	58
		SUCTION SUPERHEAT (°F)	11	10	9	9	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	4.3	4.6	5.1	5.9	6.8	8.0	9.4	11.1
		COMPRESSOR CURRENT (A)	3.4	3.7	4.2	5.0	5.9	7.1	8.5	10.2
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19	18
	1000	LIQUID PRESSURE (PSIG)	191	217	254	302	361	430	511	603
		LIQUID TEMPERATURE (°F)	61	67	75	85	96	106	118	129
		LIQUID SUBCOOLING (°F)	6	8	10	12	13	16	18	20
		SUCTION PRESSURE (PSIG)	128	130	132	134	136	139	142	145
		SUCTION TEMPERATURE (°F)	56	56	56	57	57	59	60	61
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	10	10	10
OUTDOOR UNIT CURRENT (A)		4.3	4.6	5.1	5.9	6.8	8.0	9.4	11.1	
COMPRESSOR CURRENT (A)		3.4	3.7	4.2	5.0	5.9	7.1	8.5	10.2	
INDOOR COIL DB TEMP DROP (°F)		20	20	19	19	18	17	16	15	

Continued on next page.

## YCG24B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	600	LIQUID PRESSURE (PSIG)	183	213	252	299	356	421	496	579
		LIQUID TEMPERATURE (°F)	59	67	75	85	95	106	116	127
		LIQUID SUBCOOLING (°F)	5	7	9	11	13	15	17	19
		SUCTION PRESSURE (PSIG)	110	112	115	118	122	126	130	135
		SUCTION TEMPERATURE (°F)	48	48	49	49	51	51	53	55
		SUCTION SUPERHEAT (°F)	12	11	10	9	9	8	8	8
		OUTDOOR UNIT CURRENT (A)	4.3	4.7	5.2	5.9	6.8	7.9	9.1	10.5
		COMPRESSOR CURRENT (A)	3.4	3.8	4.3	5.0	5.9	7.0	8.2	9.6
	INDOOR COIL DB TEMP DROP (°F)	32	32	31	30	29	28	27	25	
	800	LIQUID PRESSURE (PSIG)	184	214	253	300	357	422	497	580
		LIQUID TEMPERATURE (°F)	61	68	77	86	96	107	118	128
		LIQUID SUBCOOLING (°F)	4	6	8	10	12	14	16	18
		SUCTION PRESSURE (PSIG)	119	121	124	127	131	135	139	144
		SUCTION TEMPERATURE (°F)	52	52	53	53	54	55	57	59
		SUCTION SUPERHEAT (°F)	12	11	10	9	9	8	8	8
		OUTDOOR UNIT CURRENT (A)	4.3	4.7	5.2	5.9	6.8	7.9	9.1	10.5
		COMPRESSOR CURRENT (A)	3.4	3.8	4.3	5.0	5.9	7.0	8.2	9.6
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	26	25	24	23	21	
	1000	LIQUID PRESSURE (PSIG)	185	215	254	301	358	423	498	581
		LIQUID TEMPERATURE (°F)	62	69	78	87	98	108	119	129
		LIQUID SUBCOOLING (°F)	3	5	7	9	11	13	15	17
		SUCTION PRESSURE (PSIG)	128	130	133	136	140	144	148	153
		SUCTION TEMPERATURE (°F)	56	56	56	56	58	59	60	62
		SUCTION SUPERHEAT (°F)	12	11	10	9	9	8	8	8
		OUTDOOR UNIT CURRENT (A)	4.3	4.7	5.2	5.9	6.8	7.9	9.1	10.5
		COMPRESSOR CURRENT (A)	3.4	3.8	4.3	5.0	5.9	7.0	8.2	9.6
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	20	19	17	
	80/62	600	LIQUID PRESSURE (PSIG)	186	217	257	306	363	428	503
LIQUID TEMPERATURE (°F)			63	69	77	86	96	106	116	128
LIQUID SUBCOOLING (°F)			2	6	9	12	14	16	18	19
SUCTION PRESSURE (PSIG)			118	120	122	125	127	131	134	138
SUCTION TEMPERATURE (°F)			53	52	51	51	51	52	54	56
SUCTION SUPERHEAT (°F)			13	11	9	8	7	7	7	8
OUTDOOR UNIT CURRENT (A)			4.4	4.8	5.4	6.1	7.0	8.1	9.3	10.7
COMPRESSOR CURRENT (A)			3.5	3.9	4.5	5.2	6.1	7.2	8.4	9.8
INDOOR COIL DB TEMP DROP (°F)		31	30	30	29	28	27	26	25	
800		LIQUID PRESSURE (PSIG)	185	216	256	305	362	427	502	585
		LIQUID TEMPERATURE (°F)	64	70	77	86	96	107	117	129
		LIQUID SUBCOOLING (°F)	1	5	8	11	13	15	17	18
		SUCTION PRESSURE (PSIG)	124	126	128	131	133	137	140	144
		SUCTION TEMPERATURE (°F)	57	55	54	54	54	56	57	60
		SUCTION SUPERHEAT (°F)	14	12	10	9	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	4.3	4.7	5.3	6.0	6.9	8.0	9.2	10.6
		COMPRESSOR CURRENT (A)	3.4	3.8	4.4	5.1	6.0	7.1	8.3	9.7
INDOOR COIL DB TEMP DROP (°F)		27	26	26	25	24	23	22	21	
1000		LIQUID PRESSURE (PSIG)	184	215	255	304	361	426	501	584
		LIQUID TEMPERATURE (°F)	65	70	78	87	97	108	118	130
		LIQUID SUBCOOLING (°F)	0	4	7	10	12	14	16	17
		SUCTION PRESSURE (PSIG)	130	132	134	137	139	143	146	150
		SUCTION TEMPERATURE (°F)	60	59	58	58	58	59	60	63
		SUCTION SUPERHEAT (°F)	15	13	11	10	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	4.2	4.6	5.2	5.9	6.8	7.9	9.1	10.5
		COMPRESSOR CURRENT (A)	3.3	3.7	4.3	5.0	5.9	7.0	8.2	9.6
INDOOR COIL DB TEMP DROP (°F)		23	22	22	21	20	19	18	17	

Continued on next page.

## YCG24B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	600	LIQUID PRESSURE (PSIG)	187	217	255	301	355	417	487	565
		LIQUID TEMPERATURE (°F)	61	69	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	5	6	8	9	11	13	15	18
		SUCTION PRESSURE (PSIG)	127	130	134	137	139	142	144	146
		SUCTION TEMPERATURE (°F)	60	58	58	57	56	57	58	59
		SUCTION SUPERHEAT (°F)	16	13	11	9	7	7	7	8
		OUTDOOR UNIT CURRENT (A)	4.2	4.6	5.2	5.8	6.7	7.7	8.8	10.1
		COMPRESSOR CURRENT (A)	3.3	3.7	4.3	4.9	5.8	6.8	7.9	9.2
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	24	24	23	22	22	
	800	LIQUID PRESSURE (PSIG)	187	217	255	301	355	417	487	565
		LIQUID TEMPERATURE (°F)	62	70	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	4	5	7	8	10	12	14	17
		SUCTION PRESSURE (PSIG)	132	135	139	142	144	147	149	151
		SUCTION TEMPERATURE (°F)	63	61	61	60	59	60	61	62
		SUCTION SUPERHEAT (°F)	17	14	12	10	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	4.2	4.6	5.2	5.8	6.7	7.7	8.8	10.1
		COMPRESSOR CURRENT (A)	3.3	3.7	4.3	4.9	5.8	6.8	7.9	9.2
	INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	21	20	19	19	
	1000	LIQUID PRESSURE (PSIG)	187	217	255	301	355	417	487	565
		LIQUID TEMPERATURE (°F)	62	70	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	4	5	7	8	10	12	14	17
		SUCTION PRESSURE (PSIG)	137	140	144	147	149	152	154	156
		SUCTION TEMPERATURE (°F)	66	64	64	63	62	63	63	65
		SUCTION SUPERHEAT (°F)	18	15	13	11	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	4.2	4.6	5.2	5.8	6.7	7.7	8.8	10.1
		COMPRESSOR CURRENT (A)	3.3	3.7	4.3	4.9	5.8	6.8	7.9	9.2
	INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	18	17	16	16	
	80/72	600	LIQUID PRESSURE (PSIG)	191	219	256	302	357	422	496
LIQUID TEMPERATURE (°F)			61	69	79	90	99	110	119	128
LIQUID SUBCOOLING (°F)			6	6	6	7	9	11	14	18
SUCTION PRESSURE (PSIG)			135	140	145	149	152	155	157	159
SUCTION TEMPERATURE (°F)			66	64	63	63	62	63	63	64
SUCTION SUPERHEAT (°F)			19	15	12	10	8	8	8	8
OUTDOOR UNIT CURRENT (A)			4.3	4.6	5.1	5.8	6.7	7.8	9.0	10.4
COMPRESSOR CURRENT (A)			3.4	3.7	4.2	4.9	5.8	6.9	8.1	9.5
INDOOR COIL DB TEMP DROP (°F)		19	19	19	19	18	18	17	17	
800		LIQUID PRESSURE (PSIG)	192	220	257	303	358	423	497	581
		LIQUID TEMPERATURE (°F)	61	70	80	90	100	110	120	128
		LIQUID SUBCOOLING (°F)	6	6	6	7	9	11	14	18
		SUCTION PRESSURE (PSIG)	139	144	149	153	156	159	161	163
		SUCTION TEMPERATURE (°F)	69	67	66	65	64	65	66	67
		SUCTION SUPERHEAT (°F)	20	16	13	11	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	4.3	4.6	5.1	5.8	6.7	7.8	9.0	10.4
		COMPRESSOR CURRENT (A)	3.4	3.7	4.2	4.9	5.8	6.9	8.1	9.5
INDOOR COIL DB TEMP DROP (°F)		17	17	17	17	16	16	15	15	
1000		LIQUID PRESSURE (PSIG)	193	221	258	304	359	424	498	582
		LIQUID TEMPERATURE (°F)	62	70	80	90	100	110	120	128
		LIQUID SUBCOOLING (°F)	6	6	6	7	9	11	14	18
		SUCTION PRESSURE (PSIG)	143	148	153	157	160	163	165	167
		SUCTION TEMPERATURE (°F)	71	69	68	67	67	68	68	69
		SUCTION SUPERHEAT (°F)	21	17	14	12	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	4.3	4.6	5.1	5.8	6.7	7.8	9.0	10.4
		COMPRESSOR CURRENT (A)	3.4	3.7	4.2	4.9	5.8	6.9	8.1	9.5
INDOOR COIL DB TEMP DROP (°F)		15	15	15	15	14	14	13	13	

FOR USE WITH MODELS:

**YCG30B21S**  
**CC7B3021S**  
**TC7B3021S**  
**RAC17L30B21**

YCG30B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	186(8)	188(9)	191(9)	194(10)
60	199(8)	200(8)	203(9)	207(10)
65	214(8)	214(8)	218(9)	222(10)
70	232(8)	230(8)	235(9)	239(10)
75	252(9)	250(8)	255(9)	259(10)
80	274(9)	272(9)	277(10)	281(10)
85	298(10)	296(9)	302(10)	305(11)
90	325(10)	323(10)	327(11)	332(11)
95	354(11)	352(11)	356(12)	360(12)
100	386(12)	385(12)	388(12)	391(13)
105	420(13)	419(13)	421(13)	425(14)
110	456(14)	457(14)	457(14)	460(15)
115	494(15)	497(15)	496(16)	498(16)
120	535(17)	539(17)	537(17)	538(17)
125	578(18)	584(19)	580(18)	580(18)

Charging chart is for use in High Stage (full capacity) mode only.  
Charging chart is for use in Cooling mode only.  
Subcooling Chart is for use with TXV indoor expansion device only.

## YCG30B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	191	218	255	302	359	426	502	589
		LIQUID TEMPERATURE (°F)	58	66	76	87	97	108	118	128
		LIQUID SUBCOOLING (°F)	9	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	120	122	124	127	129	132	134	137
		SUCTION TEMPERATURE (°F)	55	56	57	58	59	61	63	65
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	5.2	5.6	6.3	7.1	8.3	9.6	11.2	13.0
		COMPRESSOR CURRENT (A)	4.2	4.6	5.3	6.2	7.3	8.7	10.3	12.1
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	22	21	20	20	
	1000	LIQUID PRESSURE (PSIG)	190	217	254	301	358	425	501	588
		LIQUID TEMPERATURE (°F)	58	66	76	86	97	107	118	128
		LIQUID SUBCOOLING (°F)	9	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	124	126	128	131	133	136	138	141
		SUCTION TEMPERATURE (°F)	57	57	58	59	60	62	64	66
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	5.1	5.5	6.2	7.0	8.2	9.5	11.1	12.9
		COMPRESSOR CURRENT (A)	4.2	4.6	5.3	6.2	7.3	8.7	10.3	12.1
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	20	20	19	18	18	
	1200	LIQUID PRESSURE (PSIG)	189	216	253	300	357	424	500	587
		LIQUID TEMPERATURE (°F)	57	66	76	86	96	107	118	128
		LIQUID SUBCOOLING (°F)	9	9	9	10	12	14	16	19
		SUCTION PRESSURE (PSIG)	128	130	132	135	137	140	142	145
		SUCTION TEMPERATURE (°F)	58	59	60	61	62	64	66	68
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	15	16	17
OUTDOOR UNIT CURRENT (A)		5.1	5.5	6.2	7.0	8.2	9.5	11.1	12.9	
COMPRESSOR CURRENT (A)		4.2	4.6	5.3	6.2	7.3	8.7	10.3	12.1	
INDOOR COIL DB TEMP DROP (°F)	19	19	19	18	18	17	16	16		

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## YCG30B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	800	LIQUID PRESSURE (PSIG)	187	215	253	299	355	421	495	579
		LIQUID TEMPERATURE (°F)	58	66	76	86	97	108	118	128
		LIQUID SUBCOOLING (°F)	8	8	9	10	11	13	15	18
		SUCTION PRESSURE (PSIG)	110	113	116	119	123	127	130	134
		SUCTION TEMPERATURE (°F)	51	53	54	55	57	59	61	64
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	16	17
		OUTDOOR UNIT CURRENT (A)	5.1	5.6	6.3	7.2	8.3	9.6	11.1	12.8
		COMPRESSOR CURRENT (A)	4.2	4.7	5.4	6.3	7.4	8.7	10.2	11.9
	INDOOR COIL DB TEMP DROP (°F)	31	30	29	28	27	26	25	24	
	1000	LIQUID PRESSURE (PSIG)	186	214	252	298	354	420	494	578
		LIQUID TEMPERATURE (°F)	57	66	75	86	97	108	118	128
		LIQUID SUBCOOLING (°F)	8	8	9	10	11	13	15	18
		SUCTION PRESSURE (PSIG)	117	120	123	126	130	134	137	141
		SUCTION TEMPERATURE (°F)	54	56	57	58	60	62	64	66
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	16	17
		OUTDOOR UNIT CURRENT (A)	5.0	5.5	6.2	7.1	8.2	9.5	11.0	12.7
		COMPRESSOR CURRENT (A)	4.1	4.6	5.3	6.2	7.3	8.6	10.1	11.8
	INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	23	22	21	
	1200	LIQUID PRESSURE (PSIG)	185	213	251	297	353	419	493	577
		LIQUID TEMPERATURE (°F)	57	66	75	85	97	107	118	128
		LIQUID SUBCOOLING (°F)	8	8	9	10	11	13	15	18
		SUCTION PRESSURE (PSIG)	124	127	130	133	137	141	144	148
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	64	67	69
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	16	17
		OUTDOOR UNIT CURRENT (A)	4.9	5.4	6.1	7.0	8.1	9.4	10.9	12.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.2	6.1	7.2	8.5	10.0	11.7
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19	18	
	80/62	800	LIQUID PRESSURE (PSIG)	190	216	252	298	354	421	499
LIQUID TEMPERATURE (°F)			58	67	76	87	97	108	119	128
LIQUID SUBCOOLING (°F)			9	8	8	9	11	13	15	19
SUCTION PRESSURE (PSIG)			119	121	124	126	128	131	133	135
SUCTION TEMPERATURE (°F)			55	55	57	57	59	60	62	64
SUCTION SUPERHEAT (°F)			15	14	14	14	15	15	16	17
OUTDOOR UNIT CURRENT (A)			5.2	5.6	6.2	7.1	8.2	9.5	11.1	12.9
COMPRESSOR CURRENT (A)			4.3	4.7	5.3	6.2	7.3	8.7	10.2	12.0
INDOOR COIL DB TEMP DROP (°F)		27	26	26	26	25	25	24	24	
1000		LIQUID PRESSURE (PSIG)	188	214	250	296	352	419	497	584
		LIQUID TEMPERATURE (°F)	57	66	76	86	96	107	119	128
		LIQUID SUBCOOLING (°F)	9	8	8	9	11	13	15	19
		SUCTION PRESSURE (PSIG)	124	126	129	131	133	136	138	140
		SUCTION TEMPERATURE (°F)	58	57	59	59	61	62	64	66
		SUCTION SUPERHEAT (°F)	15	14	14	14	15	15	16	17
		OUTDOOR UNIT CURRENT (A)	5.1	5.5	6.1	7.0	8.1	9.4	11.0	12.8
		COMPRESSOR CURRENT (A)	4.2	4.6	5.2	6.1	7.2	8.6	10.1	11.9
INDOOR COIL DB TEMP DROP (°F)		25	24	24	24	23	23	22	22	
1200		LIQUID PRESSURE (PSIG)	186	212	248	294	350	417	495	582
		LIQUID TEMPERATURE (°F)	56	65	75	86	96	107	118	127
		LIQUID SUBCOOLING (°F)	9	8	8	9	11	13	15	19
		SUCTION PRESSURE (PSIG)	129	131	134	136	138	141	143	145
		SUCTION TEMPERATURE (°F)	60	59	61	61	63	64	66	68
		SUCTION SUPERHEAT (°F)	15	14	14	14	15	15	16	17
		OUTDOOR UNIT CURRENT (A)	5.0	5.4	6.0	6.9	8.0	9.3	10.9	12.7
		COMPRESSOR CURRENT (A)	4.1	4.5	5.1	6.0	7.1	8.5	10.0	11.8
INDOOR COIL DB TEMP DROP (°F)		23	22	22	22	21	21	20	20	

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## YCG30B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	800	LIQUID PRESSURE (PSIG)	191	218	255	301	356	421	496	580
		LIQUID TEMPERATURE (°F)	58	66	76	86	96	108	117	128
		LIQUID SUBCOOLING (°F)	9	9	9	10	12	13	16	18
		SUCTION PRESSURE (PSIG)	130	132	135	138	141	144	146	149
		SUCTION TEMPERATURE (°F)	61	61	61	62	63	66	66	69
		SUCTION SUPERHEAT (°F)	16	15	14	14	14	15	15	16
		OUTDOOR UNIT CURRENT (A)	5.1	5.5	6.1	7.0	8.0	9.3	10.8	12.6
		COMPRESSOR CURRENT (A)	4.1	4.6	5.2	6.1	7.2	8.5	10.0	11.8
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	21	20	20	
	1000	LIQUID PRESSURE (PSIG)	191	218	255	301	356	421	496	580
		LIQUID TEMPERATURE (°F)	58	66	76	86	96	108	117	128
		LIQUID SUBCOOLING (°F)	9	9	9	10	12	13	16	18
		SUCTION PRESSURE (PSIG)	134	136	139	142	145	148	150	153
		SUCTION TEMPERATURE (°F)	63	62	63	64	65	67	68	70
		SUCTION SUPERHEAT (°F)	16	15	14	14	14	15	15	16
		OUTDOOR UNIT CURRENT (A)	5.1	5.5	6.1	7.0	8.0	9.3	10.8	12.6
		COMPRESSOR CURRENT (A)	4.1	4.6	5.2	6.1	7.2	8.5	10.0	11.8
	INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	19	18	18	
	1200	LIQUID PRESSURE (PSIG)	191	218	255	301	356	421	496	580
		LIQUID TEMPERATURE (°F)	58	66	76	86	96	108	117	128
		LIQUID SUBCOOLING (°F)	9	9	9	10	12	13	16	18
		SUCTION PRESSURE (PSIG)	138	140	143	146	149	152	154	157
		SUCTION TEMPERATURE (°F)	64	64	64	65	67	69	69	71
		SUCTION SUPERHEAT (°F)	16	15	14	14	14	15	15	16
		OUTDOOR UNIT CURRENT (A)	5.1	5.5	6.1	7.0	8.0	9.3	10.8	12.6
		COMPRESSOR CURRENT (A)	4.1	4.6	5.2	6.1	7.2	8.5	10.0	11.8
	INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	17	16	16	
	80/72	800	LIQUID PRESSURE (PSIG)	193	221	258	304	359	424	497
LIQUID TEMPERATURE (°F)			58	66	76	86	97	107	118	128
LIQUID SUBCOOLING (°F)			10	10	10	11	12	14	16	18
SUCTION PRESSURE (PSIG)			137	142	146	150	154	156	159	161
SUCTION TEMPERATURE (°F)			67	67	66	66	67	68	70	72
SUCTION SUPERHEAT (°F)			19	17	15	13	13	13	14	15
OUTDOOR UNIT CURRENT (A)			5.1	5.6	6.2	7.0	8.1	9.3	10.8	12.5
COMPRESSOR CURRENT (A)			4.2	4.7	5.3	6.1	7.2	8.5	9.9	11.6
INDOOR COIL DB TEMP DROP (°F)		18	18	18	18	17	17	16	16	
1000		LIQUID PRESSURE (PSIG)	194	222	259	305	360	425	498	580
		LIQUID TEMPERATURE (°F)	58	66	76	86	97	107	118	128
		LIQUID SUBCOOLING (°F)	10	10	10	11	12	14	16	18
		SUCTION PRESSURE (PSIG)	140	145	149	153	157	159	162	164
		SUCTION TEMPERATURE (°F)	69	69	69	68	69	70	72	74
		SUCTION SUPERHEAT (°F)	20	18	16	14	14	14	15	16
		OUTDOOR UNIT CURRENT (A)	5.1	5.6	6.2	7.0	8.1	9.3	10.8	12.5
		COMPRESSOR CURRENT (A)	4.2	4.7	5.3	6.1	7.2	8.5	9.9	11.6
INDOOR COIL DB TEMP DROP (°F)		16	16	16	16	15	15	14	14	
1200		LIQUID PRESSURE (PSIG)	195	223	260	306	361	426	499	581
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	108	118	128
		LIQUID SUBCOOLING (°F)	10	10	10	11	12	14	16	18
		SUCTION PRESSURE (PSIG)	143	148	152	156	160	162	165	167
		SUCTION TEMPERATURE (°F)	71	71	71	70	72	72	74	76
		SUCTION SUPERHEAT (°F)	21	19	17	15	15	15	16	17
		OUTDOOR UNIT CURRENT (A)	5.1	5.6	6.2	7.0	8.1	9.3	10.8	12.5
		COMPRESSOR CURRENT (A)	4.2	4.7	5.3	6.1	7.2	8.5	9.9	11.6
INDOOR COIL DB TEMP DROP (°F)		14	14	14	14	13	13	12	12	

FOR USE WITH MODELS:

YCG36B21S

CC7B3621S

TC7B3621S

RAC17L36B21

YCG36B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	191(8)	194(10)	196(11)	200(13)
60	207(9)	209(10)	212(11)	215(12)
65	223(9)	226(10)	229(11)	231(12)
70	242(9)	245(11)	247(11)	249(12)
75	262(10)	265(11)	267(11)	269(12)
80	283(10)	286(11)	288(10)	290(12)
85	307(11)	309(11)	311(11)	313(12)
90	331(11)	334(12)	336(12)	338(12)
95	358(12)	361(12)	362(12)	364(12)
100	386(12)	388(13)	390(13)	392(13)
105	415(13)	418(13)	419(13)	421(13)
110	446(13)	449(14)	450(14)	452(14)
115	479(14)	482(15)	482(14)	484(14)
120	513(15)	516(15)	516(15)	518(15)
125	549(16)	551(16)	551(16)	554(16)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCG36B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	194	225	263	308	360	419	484	557
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	116	119	122	125	128	130	133	135
		SUCTION TEMPERATURE (°F)	57	57	58	59	60	62	65	69
		SUCTION SUPERHEAT (°F)	18	17	16	16	16	17	19	22
		OUTDOOR UNIT CURRENT (A)	6.7	7.3	8.2	9.3	10.7	12.4	14.3	16.4
		COMPRESSOR CURRENT (A)	5.7	6.3	7.2	8.3	9.7	11.4	13.3	15.4
	INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	24	23	22	22	
	1200	LIQUID PRESSURE (PSIG)	194	225	263	308	360	419	484	557
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	119	122	125	128	131	133	136	138
		SUCTION TEMPERATURE (°F)	58	59	59	60	61	63	66	70
		SUCTION SUPERHEAT (°F)	18	17	16	16	16	17	19	22
		OUTDOOR UNIT CURRENT (A)	6.7	7.3	8.2	9.3	10.7	12.4	14.3	16.4
		COMPRESSOR CURRENT (A)	5.7	6.3	7.2	8.3	9.7	11.4	13.3	15.4
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	22	21	20	20	
	1400	LIQUID PRESSURE (PSIG)	194	225	263	308	360	419	484	557
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	122	125	128	131	134	136	139	141
		SUCTION TEMPERATURE (°F)	60	60	60	61	63	64	68	71
		SUCTION SUPERHEAT (°F)	18	17	16	16	16	17	19	22
OUTDOOR UNIT CURRENT (A)		6.7	7.3	8.2	9.3	10.7	12.4	14.3	16.4	
COMPRESSOR CURRENT (A)		5.7	6.3	7.2	8.3	9.7	11.4	13.3	15.4	
INDOOR COIL DB TEMP DROP (°F)	21	21	21	20	20	19	18	18		

Continued on next page.

## YCG36B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1000	LIQUID PRESSURE (PSIG)	191	223	262	307	358	415	479	549
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	16
		SUCTION PRESSURE (PSIG)	109	112	115	119	123	126	131	135
		SUCTION TEMPERATURE (°F)	54	54	55	56	59	60	63	66
		SUCTION SUPERHEAT (°F)	18	17	16	16	17	17	18	19
		OUTDOOR UNIT CURRENT (A)	6.8	7.5	8.3	9.5	10.8	12.4	14.2	16.2
		COMPRESSOR CURRENT (A)	5.8	6.4	7.3	8.4	9.8	11.4	13.2	15.2
	INDOOR COIL DB TEMP DROP (°F)	32	32	32	31	30	29	28	26	
	1200	LIQUID PRESSURE (PSIG)	191	223	262	307	358	415	479	549
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	16
		SUCTION PRESSURE (PSIG)	115	118	121	125	129	132	137	141
		SUCTION TEMPERATURE (°F)	57	57	57	59	62	63	66	68
		SUCTION SUPERHEAT (°F)	18	17	16	16	17	17	18	19
		OUTDOOR UNIT CURRENT (A)	6.7	7.4	8.2	9.4	10.7	12.3	14.1	16.1
		COMPRESSOR CURRENT (A)	5.7	6.3	7.2	8.3	9.7	11.3	13.1	15.1
	INDOOR COIL DB TEMP DROP (°F)	29	29	29	28	27	26	25	23	
	1400	LIQUID PRESSURE (PSIG)	191	223	262	307	358	415	479	549
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	16
		SUCTION PRESSURE (PSIG)	121	124	127	131	135	138	143	147
		SUCTION TEMPERATURE (°F)	59	60	60	61	64	65	68	71
		SUCTION SUPERHEAT (°F)	18	17	16	16	17	17	18	19
		OUTDOOR UNIT CURRENT (A)	6.6	7.3	8.1	9.3	10.6	12.2	14.0	16.0
		COMPRESSOR CURRENT (A)	5.7	6.3	7.2	8.3	9.7	11.3	13.1	15.1
	INDOOR COIL DB TEMP DROP (°F)	26	26	26	25	24	23	22	20	
	80/62	1000	LIQUID PRESSURE (PSIG)	195	227	266	310	362	419	483
LIQUID TEMPERATURE (°F)			58	68	77	87	97	107	116	126
LIQUID SUBCOOLING (°F)			10	10	11	11	12	13	15	16
SUCTION PRESSURE (PSIG)			116	119	122	125	128	131	134	137
SUCTION TEMPERATURE (°F)			58	58	59	59	60	62	66	69
SUCTION SUPERHEAT (°F)			19	18	17	16	16	17	19	21
OUTDOOR UNIT CURRENT (A)			6.8	7.5	8.4	9.5	10.8	12.4	14.2	16.2
COMPRESSOR CURRENT (A)			5.8	6.5	7.4	8.5	9.9	11.4	13.2	15.3
INDOOR COIL DB TEMP DROP (°F)		29	29	29	28	28	27	26	25	
1200		LIQUID PRESSURE (PSIG)	194	226	265	309	361	418	482	551
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	16
		SUCTION PRESSURE (PSIG)	120	123	126	129	132	135	138	141
		SUCTION TEMPERATURE (°F)	60	60	60	61	62	64	67	70
		SUCTION SUPERHEAT (°F)	19	18	17	16	16	17	19	21
		OUTDOOR UNIT CURRENT (A)	6.7	7.4	8.3	9.4	10.7	12.3	14.1	16.1
		COMPRESSOR CURRENT (A)	5.7	6.4	7.3	8.4	9.8	11.3	13.1	15.2
INDOOR COIL DB TEMP DROP (°F)		27	27	27	26	26	25	24	23	
1400		LIQUID PRESSURE (PSIG)	193	225	264	308	360	417	481	550
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	16
		SUCTION PRESSURE (PSIG)	124	127	130	133	136	139	142	145
		SUCTION TEMPERATURE (°F)	62	62	62	62	63	66	69	72
		SUCTION SUPERHEAT (°F)	19	18	17	16	16	17	19	21
		OUTDOOR UNIT CURRENT (A)	6.6	7.3	8.2	9.3	10.6	12.2	14.0	16.0
		COMPRESSOR CURRENT (A)	5.6	6.3	7.2	8.3	9.7	11.2	13.0	15.1
INDOOR COIL DB TEMP DROP (°F)		25	25	25	24	24	23	22	21	

Continued on next page.

## YCG36B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1000	LIQUID PRESSURE (PSIG)	196	229	267	311	362	419	482	551
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	11	11	11	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	121	127	132	136	140	143	145	147
		SUCTION TEMPERATURE (°F)	63	63	62	61	62	64	67	70
		SUCTION SUPERHEAT (°F)	22	19	16	14	13	14	16	18
		OUTDOOR UNIT CURRENT (A)	6.8	7.4	8.3	9.4	10.7	12.2	14.0	16.0
		COMPRESSOR CURRENT (A)	5.7	6.4	7.3	8.4	9.7	11.3	13.0	15.0
	INDOOR COIL DB TEMP DROP (°F)	23	24	24	24	24	23	23	22	
	1200	LIQUID PRESSURE (PSIG)	196	229	267	311	362	419	482	551
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	11	11	11	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	124	130	135	139	143	146	148	150
		SUCTION TEMPERATURE (°F)	66	65	64	64	64	66	69	72
		SUCTION SUPERHEAT (°F)	23	20	17	15	14	15	17	19
		OUTDOOR UNIT CURRENT (A)	6.8	7.4	8.3	9.4	10.7	12.2	14.0	16.0
		COMPRESSOR CURRENT (A)	5.7	6.4	7.3	8.4	9.7	11.3	13.0	15.0
	INDOOR COIL DB TEMP DROP (°F)	21	22	22	22	22	21	21	20	
	1400	LIQUID PRESSURE (PSIG)	196	229	267	311	362	419	482	551
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	11	11	11	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	127	133	138	142	146	149	151	153
		SUCTION TEMPERATURE (°F)	68	67	66	66	66	69	71	74
		SUCTION SUPERHEAT (°F)	24	21	18	16	15	16	18	20
		OUTDOOR UNIT CURRENT (A)	6.8	7.4	8.3	9.4	10.7	12.2	14.0	16.0
		COMPRESSOR CURRENT (A)	5.7	6.4	7.3	8.4	9.7	11.3	13.0	15.0
	INDOOR COIL DB TEMP DROP (°F)	19	20	20	20	20	19	19	18	
	80/72	1000	LIQUID PRESSURE (PSIG)	199	230	268	312	363	420	483
LIQUID TEMPERATURE (°F)			56	67	77	87	98	108	117	126
LIQUID SUBCOOLING (°F)			13	12	12	12	12	13	14	16
SUCTION PRESSURE (PSIG)			122	132	140	147	152	156	159	160
SUCTION TEMPERATURE (°F)			69	68	68	69	70	71	74	77
SUCTION SUPERHEAT (°F)			27	22	19	17	16	16	18	20
OUTDOOR UNIT CURRENT (A)			6.8	7.5	8.3	9.4	10.7	12.2	14.0	16.0
COMPRESSOR CURRENT (A)			5.8	6.4	7.3	8.4	9.7	11.2	13.0	15.0
INDOOR COIL DB TEMP DROP (°F)		18	18	19	19	19	19	18	17	
1200		LIQUID PRESSURE (PSIG)	200	231	269	313	364	421	484	554
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	108	117	126
		LIQUID SUBCOOLING (°F)	13	12	12	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	124	134	142	149	154	158	161	162
		SUCTION TEMPERATURE (°F)	70	69	69	70	70	72	75	77
		SUCTION SUPERHEAT (°F)	27	22	19	17	16	16	18	20
		OUTDOOR UNIT CURRENT (A)	6.8	7.5	8.3	9.4	10.7	12.2	14.0	16.0
		COMPRESSOR CURRENT (A)	5.8	6.4	7.3	8.4	9.7	11.2	13.0	15.0
INDOOR COIL DB TEMP DROP (°F)		16	16	17	17	17	17	16	15	
1400		LIQUID PRESSURE (PSIG)	201	232	270	314	365	422	485	555
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	108	118	126
		LIQUID SUBCOOLING (°F)	13	12	12	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	126	136	144	151	156	160	163	164
		SUCTION TEMPERATURE (°F)	70	69	70	70	71	73	76	78
		SUCTION SUPERHEAT (°F)	27	22	19	17	16	16	18	20
		OUTDOOR UNIT CURRENT (A)	6.8	7.5	8.3	9.4	10.7	12.2	14.0	16.0
		COMPRESSOR CURRENT (A)	5.8	6.4	7.3	8.4	9.7	11.2	13.0	15.0
INDOOR COIL DB TEMP DROP (°F)		14	14	15	15	15	15	14	13	

FOR USE WITH MODELS:

**YCG42B21S**  
**CC7B4221S**  
**TC7B4221S**  
**RAC17L42B21**

YCG42B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	187(9)	190(11)	192(11)	193(12)
60	201(9)	205(10)	207(11)	208(11)
65	217(9)	221(10)	223(11)	224(11)
70	235(9)	238(10)	241(11)	242(11)
75	253(9)	257(10)	260(11)	261(11)
80	274(9)	277(10)	281(10)	282(11)
85	295(9)	299(10)	303(10)	304(11)
90	319(9)	322(10)	326(11)	327(11)
95	344(10)	347(11)	351(11)	352(11)
100	370(10)	373(11)	377(11)	378(11)
105	398(10)	400(11)	404(11)	405(11)
110	427(11)	429(11)	433(11)	434(11)
115	458(11)	459(12)	463(12)	465(12)
120	490(12)	491(12)	495(12)	496(12)
125	524(12)	524(13)	528(13)	529(12)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCG42B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	190	220	256	298	346	399	459	525
		LIQUID TEMPERATURE (°F)	57	66	75	86	96	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	11	12
		SUCTION PRESSURE (PSIG)	113	118	123	127	130	133	135	137
		SUCTION TEMPERATURE (°F)	61	58	55	54	54	55	57	61
		SUCTION SUPERHEAT (°F)	23	18	13	10	9	9	10	13
		OUTDOOR UNIT CURRENT (A)	7.7	8.4	9.3	10.4	11.7	13.3	15.1	17.0
		COMPRESSOR CURRENT (A)	5.7	6.4	7.3	8.5	9.8	11.4	13.1	15.1
	INDOOR COIL DB TEMP DROP (°F)	22	23	23	23	23	23	22	21	
	1400	LIQUID PRESSURE (PSIG)	190	220	256	298	346	399	459	525
		LIQUID TEMPERATURE (°F)	57	66	75	86	96	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	11	12
		SUCTION PRESSURE (PSIG)	115	120	125	129	132	135	137	139
		SUCTION TEMPERATURE (°F)	63	60	57	56	56	57	59	63
		SUCTION SUPERHEAT (°F)	24	19	14	11	10	10	11	14
		OUTDOOR UNIT CURRENT (A)	7.7	8.4	9.3	10.4	11.7	13.3	15.1	17.0
		COMPRESSOR CURRENT (A)	5.7	6.4	7.3	8.5	9.8	11.4	13.1	15.1
	INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	21	21	20	19	
	1600	LIQUID PRESSURE (PSIG)	190	220	256	298	346	399	459	525
		LIQUID TEMPERATURE (°F)	57	66	75	86	96	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	11	12
		SUCTION PRESSURE (PSIG)	117	122	127	131	134	137	139	141
		SUCTION TEMPERATURE (°F)	64	62	59	57	58	59	61	64
		SUCTION SUPERHEAT (°F)	25	20	15	12	11	11	12	15
OUTDOOR UNIT CURRENT (A)		7.7	8.4	9.3	10.4	11.7	13.3	15.1	17.0	
COMPRESSOR CURRENT (A)		5.7	6.4	7.3	8.5	9.8	11.4	13.1	15.1	
INDOOR COIL DB TEMP DROP (°F)	18	19	19	19	19	19	18	17		

Continued on next page.

## YCG42B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1200	LIQUID PRESSURE (PSIG)	187	217	253	295	344	398	458	524
		LIQUID TEMPERATURE (°F)	57	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	10	11	12
		SUCTION PRESSURE (PSIG)	109	113	118	122	126	130	134	138
		SUCTION TEMPERATURE (°F)	57	54	53	52	52	54	58	61
		SUCTION SUPERHEAT (°F)	21	16	13	10	9	9	11	13
		OUTDOOR UNIT CURRENT (A)	7.6	8.3	9.3	10.4	11.7	13.3	15.0	17.0
		COMPRESSOR CURRENT (A)	5.8	6.5	7.4	8.5	9.9	11.4	13.2	15.2
	INDOOR COIL DB TEMP DROP (°F)	30	30	29	29	28	27	26	25	
	1400	LIQUID PRESSURE (PSIG)	187	217	253	295	344	398	458	524
		LIQUID TEMPERATURE (°F)	57	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	10	11	12
		SUCTION PRESSURE (PSIG)	113	117	122	126	130	134	138	142
		SUCTION TEMPERATURE (°F)	60	56	56	54	55	57	60	64
		SUCTION SUPERHEAT (°F)	22	17	14	11	10	10	12	14
		OUTDOOR UNIT CURRENT (A)	7.6	8.3	9.3	10.4	11.7	13.3	15.0	17.0
		COMPRESSOR CURRENT (A)	5.7	6.4	7.3	8.4	9.8	11.3	13.1	15.1
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	25	24	23	22	
	1600	LIQUID PRESSURE (PSIG)	187	217	253	295	344	398	458	524
		LIQUID TEMPERATURE (°F)	57	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	10	11	12
		SUCTION PRESSURE (PSIG)	117	121	126	130	134	138	142	146
		SUCTION TEMPERATURE (°F)	62	59	58	57	58	59	63	66
		SUCTION SUPERHEAT (°F)	23	18	15	12	11	11	13	15
		OUTDOOR UNIT CURRENT (A)	7.6	8.3	9.3	10.4	11.7	13.3	15.0	17.0
		COMPRESSOR CURRENT (A)	5.7	6.4	7.3	8.4	9.8	11.3	13.1	15.1
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	22	21	20	19	
	80/62	1200	LIQUID PRESSURE (PSIG)	190	221	257	299	347	400	459
LIQUID TEMPERATURE (°F)			56	66	76	86	95	106	115	125
LIQUID SUBCOOLING (°F)			11	10	10	10	11	11	12	13
SUCTION PRESSURE (PSIG)			113	118	123	127	130	134	137	139
SUCTION TEMPERATURE (°F)			63	58	55	54	53	55	58	62
SUCTION SUPERHEAT (°F)			25	18	13	10	8	8	10	13
OUTDOOR UNIT CURRENT (A)			7.7	8.4	9.4	10.5	11.8	13.3	15.1	17.0
COMPRESSOR CURRENT (A)			5.7	6.4	7.4	8.5	9.9	11.4	13.2	15.1
INDOOR COIL DB TEMP DROP (°F)		26	27	27	27	27	26	25	24	
1400		LIQUID PRESSURE (PSIG)	190	221	257	299	347	400	459	524
		LIQUID TEMPERATURE (°F)	56	66	76	86	95	106	115	125
		LIQUID SUBCOOLING (°F)	11	10	10	10	11	11	12	13
		SUCTION PRESSURE (PSIG)	116	121	126	130	133	137	140	142
		SUCTION TEMPERATURE (°F)	65	60	57	56	55	57	60	64
		SUCTION SUPERHEAT (°F)	26	19	14	11	9	9	11	14
		OUTDOOR UNIT CURRENT (A)	7.7	8.4	9.4	10.5	11.8	13.3	15.1	17.0
		COMPRESSOR CURRENT (A)	5.7	6.4	7.4	8.5	9.9	11.4	13.2	15.1
INDOOR COIL DB TEMP DROP (°F)		24	25	25	25	25	24	23	22	
1600		LIQUID PRESSURE (PSIG)	190	221	257	299	347	400	459	524
		LIQUID TEMPERATURE (°F)	56	66	76	86	95	106	115	125
		LIQUID SUBCOOLING (°F)	11	10	10	10	11	11	12	13
		SUCTION PRESSURE (PSIG)	119	124	129	133	136	140	143	145
		SUCTION TEMPERATURE (°F)	67	63	60	58	57	59	62	66
		SUCTION SUPERHEAT (°F)	27	20	15	12	10	10	12	15
		OUTDOOR UNIT CURRENT (A)	7.7	8.4	9.4	10.5	11.8	13.3	15.1	17.0
		COMPRESSOR CURRENT (A)	5.7	6.4	7.4	8.5	9.9	11.4	13.2	15.1
INDOOR COIL DB TEMP DROP (°F)		22	23	23	23	23	22	21	20	

Continued on next page.

## YCG42B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1200	LIQUID PRESSURE (PSIG)	192	223	260	303	351	404	463	528
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	107	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	11	11	11	12	13
		SUCTION PRESSURE (PSIG)	116	125	133	139	144	147	149	149
		SUCTION TEMPERATURE (°F)	68	64	61	60	59	60	62	65
		SUCTION SUPERHEAT (°F)	29	21	15	11	8	8	9	12
		OUTDOOR UNIT CURRENT (A)	7.7	8.4	9.3	10.5	11.8	13.3	15.1	17.0
		COMPRESSOR CURRENT (A)	5.7	6.4	7.4	8.5	9.8	11.4	13.2	15.2
	INDOOR COIL DB TEMP DROP (°F)	20	22	23	23	23	23	22	21	
	1400	LIQUID PRESSURE (PSIG)	192	223	260	303	351	404	463	528
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	107	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	11	11	11	12	13
		SUCTION PRESSURE (PSIG)	118	127	135	141	146	149	151	151
		SUCTION TEMPERATURE (°F)	70	66	63	61	60	62	63	66
		SUCTION SUPERHEAT (°F)	30	22	16	12	9	9	10	13
		OUTDOOR UNIT CURRENT (A)	7.7	8.4	9.3	10.5	11.8	13.3	15.1	17.0
		COMPRESSOR CURRENT (A)	5.7	6.4	7.4	8.5	9.8	11.4	13.2	15.2
	INDOOR COIL DB TEMP DROP (°F)	18	20	21	21	21	21	20	19	
	1600	LIQUID PRESSURE (PSIG)	192	223	260	303	351	404	463	528
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	107	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	11	11	11	12	13
		SUCTION PRESSURE (PSIG)	120	129	137	143	148	151	153	153
		SUCTION TEMPERATURE (°F)	72	68	65	63	62	63	65	68
		SUCTION SUPERHEAT (°F)	31	23	17	13	10	10	11	14
		OUTDOOR UNIT CURRENT (A)	7.7	8.4	9.3	10.5	11.8	13.3	15.1	17.0
		COMPRESSOR CURRENT (A)	5.7	6.4	7.4	8.5	9.8	11.4	13.2	15.2
	INDOOR COIL DB TEMP DROP (°F)	16	18	19	19	19	19	18	17	
	80/72	1200	LIQUID PRESSURE (PSIG)	193	224	261	304	352	405	465
LIQUID TEMPERATURE (°F)			56	66	76	86	96	107	116	127
LIQUID SUBCOOLING (°F)			12	11	11	11	11	11	12	12
SUCTION PRESSURE (PSIG)			116	129	139	148	154	159	161	162
SUCTION TEMPERATURE (°F)			71	70	68	67	66	66	67	69
SUCTION SUPERHEAT (°F)			32	25	19	15	12	10	10	12
OUTDOOR UNIT CURRENT (A)			7.7	8.4	9.3	10.4	11.8	13.3	15.0	17.0
COMPRESSOR CURRENT (A)			5.8	6.5	7.4	8.5	9.8	11.4	13.1	15.1
INDOOR COIL DB TEMP DROP (°F)		16	17	18	18	18	18	17	16	
1400		LIQUID PRESSURE (PSIG)	193	224	261	304	352	405	465	529
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	107	116	127
		LIQUID SUBCOOLING (°F)	12	11	11	11	11	11	12	12
		SUCTION PRESSURE (PSIG)	118	131	141	150	156	161	163	164
		SUCTION TEMPERATURE (°F)	73	71	69	69	68	68	69	71
		SUCTION SUPERHEAT (°F)	33	26	20	16	13	11	11	13
		OUTDOOR UNIT CURRENT (A)	7.7	8.4	9.3	10.4	11.8	13.3	15.0	17.0
		COMPRESSOR CURRENT (A)	5.8	6.5	7.4	8.5	9.8	11.4	13.1	15.1
INDOOR COIL DB TEMP DROP (°F)		14	15	16	16	16	16	15	14	
1600		LIQUID PRESSURE (PSIG)	193	224	261	304	352	405	465	529
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	107	116	127
		LIQUID SUBCOOLING (°F)	12	11	11	11	11	11	12	12
		SUCTION PRESSURE (PSIG)	120	133	143	152	158	163	165	166
		SUCTION TEMPERATURE (°F)	75	73	71	71	70	70	70	73
		SUCTION SUPERHEAT (°F)	34	27	21	17	14	12	12	14
		OUTDOOR UNIT CURRENT (A)	7.7	8.4	9.3	10.4	11.8	13.3	15.0	17.0
		COMPRESSOR CURRENT (A)	5.8	6.5	7.4	8.5	9.8	11.4	13.1	15.1
INDOOR COIL DB TEMP DROP (°F)		12	13	14	14	14	14	13	12	



FOR USE WITH MODELS:

YCG48B21S

CC7B4821S

TC7B4821S

RAC17L48B21

YCG48B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	187(8)	189(9)	192(11)	193(11)
60	201(8)	204(9)	207(10)	208(11)
65	218(8)	221(9)	224(10)	224(10)
70	235(9)	239(10)	242(10)	242(10)
75	255(9)	259(10)	262(10)	262(10)
80	276(9)	280(10)	281(10)	283(10)
85	298(9)	303(10)	304(10)	305(10)
90	323(10)	328(11)	329(10)	329(10)
95	349(10)	353(11)	355(11)	354(10)
100	376(11)	381(11)	382(11)	381(10)
105	405(11)	409(12)	410(11)	409(11)
110	436(12)	440(13)	440(12)	439(11)
115	468(12)	472(13)	472(13)	470(12)
120	502(13)	505(14)	504(13)	502(12)
125	537(14)	540(15)	538(14)	536(13)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCG48B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1300	LIQUID PRESSURE (PSIG)	189	220	257	300	350	406	469	537
		LIQUID TEMPERATURE (°F)	56	67	77	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	10	9	9	10	10	11	12	14
		SUCTION PRESSURE (PSIG)	114	118	121	125	128	130	133	135
		SUCTION TEMPERATURE (°F)	54	53	51	52	52	53	54	57
		SUCTION SUPERHEAT (°F)	16	13	10	9	8	8	8	10
		OUTDOOR UNIT CURRENT (A)	8.7	9.5	10.6	12.0	13.7	15.6	17.8	20.3
		COMPRESSOR CURRENT (A)	6.7	7.6	8.7	10.1	11.8	13.7	15.9	18.4
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	24	24	23	22	21	
	1500	LIQUID PRESSURE (PSIG)	189	220	257	300	350	406	469	537
		LIQUID TEMPERATURE (°F)	56	67	77	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	10	9	9	10	10	11	12	14
		SUCTION PRESSURE (PSIG)	116	120	123	127	130	132	135	137
		SUCTION TEMPERATURE (°F)	56	55	53	54	54	55	56	59
		SUCTION SUPERHEAT (°F)	17	14	11	10	9	9	9	11
		OUTDOOR UNIT CURRENT (A)	8.7	9.5	10.6	12.0	13.7	15.6	17.8	20.3
		COMPRESSOR CURRENT (A)	6.7	7.6	8.7	10.1	11.8	13.7	15.9	18.4
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	22	21	20	19	
	1700	LIQUID PRESSURE (PSIG)	189	220	257	300	350	406	469	537
		LIQUID TEMPERATURE (°F)	56	67	77	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	10	9	9	10	10	11	12	14
		SUCTION PRESSURE (PSIG)	118	122	125	129	132	134	137	139
		SUCTION TEMPERATURE (°F)	58	57	55	56	56	57	58	61
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	10	10	12
OUTDOOR UNIT CURRENT (A)		8.7	9.5	10.6	12.0	13.7	15.6	17.8	20.3	
COMPRESSOR CURRENT (A)		6.7	7.6	8.7	10.1	11.8	13.7	15.9	18.4	
INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	20	19	18	17		

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## YCG48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1300	LIQUID PRESSURE (PSIG)	187	218	255	298	349	405	468	537
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	11	12	14
		SUCTION PRESSURE (PSIG)	108	110	113	116	120	124	128	132
		SUCTION TEMPERATURE (°F)	49	48	49	49	51	53	55	58
		SUCTION SUPERHEAT (°F)	14	12	11	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	8.6	9.5	10.6	12.0	13.7	15.6	17.8	20.3
		COMPRESSOR CURRENT (A)	6.6	7.5	8.6	10.1	11.8	13.7	16.0	18.5
	INDOOR COIL DB TEMP DROP (°F)	31	31	30	29	28	27	26	24	
	1500	LIQUID PRESSURE (PSIG)	187	218	255	298	349	405	468	537
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	11	12	14
		SUCTION PRESSURE (PSIG)	113	115	118	121	125	129	133	137
		SUCTION TEMPERATURE (°F)	52	51	51	51	53	55	57	60
		SUCTION SUPERHEAT (°F)	14	12	11	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	8.6	9.5	10.6	12.0	13.7	15.6	17.8	20.3
		COMPRESSOR CURRENT (A)	6.6	7.5	8.6	10.1	11.8	13.7	16.0	18.5
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	26	25	24	22	
	1700	LIQUID PRESSURE (PSIG)	187	218	255	298	349	405	468	537
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	11	12	14
		SUCTION PRESSURE (PSIG)	118	120	123	126	130	134	138	142
		SUCTION TEMPERATURE (°F)	54	53	53	53	55	57	59	62
		SUCTION SUPERHEAT (°F)	14	12	11	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	8.6	9.5	10.6	12.0	13.7	15.6	17.8	20.3
		COMPRESSOR CURRENT (A)	6.6	7.5	8.6	10.1	11.8	13.7	16.0	18.5
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	24	23	22	20	
	80/62	1300	LIQUID PRESSURE (PSIG)	189	221	259	303	353	409	472
LIQUID TEMPERATURE (°F)			57	67	76	87	97	107	116	125
LIQUID SUBCOOLING (°F)			9	9	10	10	11	12	13	15
SUCTION PRESSURE (PSIG)			115	119	122	125	127	130	133	135
SUCTION TEMPERATURE (°F)			56	53	53	52	52	53	55	58
SUCTION SUPERHEAT (°F)			17	13	11	9	8	8	9	11
OUTDOOR UNIT CURRENT (A)			8.7	9.6	10.7	12.1	13.8	15.7	17.9	20.3
COMPRESSOR CURRENT (A)			6.7	7.6	8.8	10.2	11.9	13.8	16.0	18.5
INDOOR COIL DB TEMP DROP (°F)		29	29	29	28	28	27	26	24	
1500		LIQUID PRESSURE (PSIG)	189	221	259	303	353	409	472	540
		LIQUID TEMPERATURE (°F)	57	67	76	87	97	107	116	125
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	12	13	15
		SUCTION PRESSURE (PSIG)	118	122	125	128	130	133	136	138
		SUCTION TEMPERATURE (°F)	57	55	54	53	53	54	56	59
		SUCTION SUPERHEAT (°F)	17	13	11	9	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	8.7	9.6	10.7	12.1	13.8	15.7	17.9	20.3
		COMPRESSOR CURRENT (A)	6.7	7.6	8.8	10.2	11.9	13.8	16.0	18.5
INDOOR COIL DB TEMP DROP (°F)		27	27	27	26	26	25	24	22	
1700		LIQUID PRESSURE (PSIG)	189	221	259	303	353	409	472	540
		LIQUID TEMPERATURE (°F)	57	67	76	87	97	107	116	125
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	12	13	15
		SUCTION PRESSURE (PSIG)	121	125	128	131	133	136	139	141
		SUCTION TEMPERATURE (°F)	59	57	56	55	55	56	59	61
		SUCTION SUPERHEAT (°F)	18	14	12	10	9	9	10	12
		OUTDOOR UNIT CURRENT (A)	8.7	9.6	10.7	12.1	13.8	15.7	17.9	20.3
		COMPRESSOR CURRENT (A)	6.7	7.6	8.8	10.2	11.9	13.8	16.0	18.5
INDOOR COIL DB TEMP DROP (°F)		25	25	25	24	24	23	22	20	

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## YCG48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1300	LIQUID PRESSURE (PSIG)	192	224	262	305	355	410	472	538
		LIQUID TEMPERATURE (°F)	56	67	77	87	97	108	116	126
		LIQUID SUBCOOLING (°F)	11	10	10	10	11	11	13	14
		SUCTION PRESSURE (PSIG)	119	126	132	137	141	144	146	147
		SUCTION TEMPERATURE (°F)	61	58	57	56	55	57	58	61
		SUCTION SUPERHEAT (°F)	21	15	11	8	6	6	7	9
		OUTDOOR UNIT CURRENT (A)	8.7	9.6	10.7	12.1	13.8	15.6	17.8	20.1
		COMPRESSOR CURRENT (A)	6.8	7.7	8.8	10.2	11.9	13.8	15.9	18.3
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	24	23	22	21	
	1500	LIQUID PRESSURE (PSIG)	192	224	262	305	355	410	472	538
		LIQUID TEMPERATURE (°F)	56	67	77	87	97	108	116	126
		LIQUID SUBCOOLING (°F)	11	10	10	10	11	11	13	14
		SUCTION PRESSURE (PSIG)	121	128	134	139	143	146	148	149
		SUCTION TEMPERATURE (°F)	63	60	59	58	57	58	60	63
		SUCTION SUPERHEAT (°F)	22	16	12	9	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	8.7	9.6	10.7	12.1	13.8	15.6	17.8	20.1
		COMPRESSOR CURRENT (A)	6.8	7.7	8.8	10.2	11.9	13.8	15.9	18.3
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	22	21	20	19	
	1700	LIQUID PRESSURE (PSIG)	192	224	262	305	355	410	472	538
		LIQUID TEMPERATURE (°F)	56	67	77	87	97	108	116	126
		LIQUID SUBCOOLING (°F)	11	10	10	10	11	11	13	14
		SUCTION PRESSURE (PSIG)	123	130	136	141	145	148	150	151
		SUCTION TEMPERATURE (°F)	65	62	60	59	59	60	62	64
		SUCTION SUPERHEAT (°F)	23	17	13	10	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	8.7	9.6	10.7	12.1	13.8	15.6	17.8	20.1
		COMPRESSOR CURRENT (A)	6.8	7.7	8.8	10.2	11.9	13.8	15.9	18.3
	INDOOR COIL DB TEMP DROP (°F)	20	20	20	20	20	19	18	17	
	80/72	1300	LIQUID PRESSURE (PSIG)	192	223	261	304	353	408	469
LIQUID TEMPERATURE (°F)			56	67	77	87	98	107	117	126
LIQUID SUBCOOLING (°F)			11	10	10	10	10	11	12	13
SUCTION PRESSURE (PSIG)			119	129	138	146	152	156	159	160
SUCTION TEMPERATURE (°F)			66	65	64	63	64	64	64	66
SUCTION SUPERHEAT (°F)			26	20	16	12	10	9	8	9
OUTDOOR UNIT CURRENT (A)			8.7	9.6	10.7	12.1	13.7	15.5	17.6	20.0
COMPRESSOR CURRENT (A)			6.8	7.6	8.8	10.1	11.8	13.7	15.8	18.2
INDOOR COIL DB TEMP DROP (°F)		18	18	18	18	18	17	17	16	
1500		LIQUID PRESSURE (PSIG)	193	224	262	305	354	409	470	536
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	108	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	121	131	140	148	154	158	161	162
		SUCTION TEMPERATURE (°F)	68	66	66	65	65	66	66	67
		SUCTION SUPERHEAT (°F)	27	21	17	13	11	10	9	10
		OUTDOOR UNIT CURRENT (A)	8.7	9.6	10.7	12.1	13.7	15.5	17.6	20.0
		COMPRESSOR CURRENT (A)	6.8	7.6	8.8	10.1	11.8	13.7	15.8	18.2
INDOOR COIL DB TEMP DROP (°F)		17	17	17	17	17	16	16	15	
1700		LIQUID PRESSURE (PSIG)	194	225	263	306	355	410	471	537
		LIQUID TEMPERATURE (°F)	57	67	77	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	123	133	142	150	156	160	163	164
		SUCTION TEMPERATURE (°F)	70	68	68	67	67	68	68	69
		SUCTION SUPERHEAT (°F)	28	22	18	14	12	11	10	11
		OUTDOOR UNIT CURRENT (A)	8.7	9.6	10.7	12.1	13.7	15.5	17.6	20.0
		COMPRESSOR CURRENT (A)	6.8	7.6	8.8	10.1	11.8	13.7	15.8	18.2
INDOOR COIL DB TEMP DROP (°F)		16	16	16	16	16	15	15	14	

FOR USE WITH MODELS:

**YCG60B21S**  
**CC7B6021S**  
**TC7B6021S**  
**RAC17L60B21**

YCG60B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	196(10)	199(11)	199(10)	201(10)
60	209(10)	212(11)	213(10)	215(10)
65	224(10)	228(11)	229(10)	231(10)
70	241(10)	246(11)	247(11)	249(10)
75	261(11)	266(12)	267(12)	269(11)
80	284(11)	288(12)	292(12)	291(11)
85	309(12)	313(13)	317(13)	316(12)
90	336(13)	340(14)	343(14)	342(13)
95	365(13)	370(15)	372(15)	371(13)
100	398(15)	401(16)	404(16)	402(14)
105	432(16)	435(17)	438(17)	435(15)
110	469(17)	472(18)	475(19)	470(17)
115	508(19)	510(20)	514(20)	507(18)
120	550(21)	551(21)	555(22)	547(20)
125	594(23)	594(23)	599(23)	588(21)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YCG60B21S W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1525	LIQUID PRESSURE (PSIG)	201	228	266	313	370	438	516	603
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	117	125
		LIQUID SUBCOOLING (°F)	12	11	11	12	14	17	20	24
		SUCTION PRESSURE (PSIG)	118	120	122	124	126	128	131	134
		SUCTION TEMPERATURE (°F)	51	52	53	54	55	56	58	61
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	11.1	11.9	13.3	15.2	17.6	20.6	24.0	27.9
		COMPRESSOR CURRENT (A)	9.0	9.9	11.3	13.2	15.6	18.6	22.0	26.0
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	23	22	21	21	
	1725	LIQUID PRESSURE (PSIG)	200	227	265	312	369	437	515	602
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	116	125
		LIQUID SUBCOOLING (°F)	12	11	11	12	14	17	20	24
		SUCTION PRESSURE (PSIG)	121	123	125	127	129	131	134	137
		SUCTION TEMPERATURE (°F)	52	53	54	55	57	57	60	62
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	11.0	11.8	13.2	15.1	17.5	20.5	23.9	27.8
		COMPRESSOR CURRENT (A)	8.9	9.8	11.2	13.1	15.5	18.5	21.9	25.9
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20	20	
	1925	LIQUID PRESSURE (PSIG)	199	226	264	311	368	436	514	601
		LIQUID TEMPERATURE (°F)	57	66	77	87	97	106	116	125
		LIQUID SUBCOOLING (°F)	12	11	11	12	14	17	20	24
		SUCTION PRESSURE (PSIG)	124	126	128	130	132	134	137	140
		SUCTION TEMPERATURE (°F)	54	54	55	56	58	59	61	63
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
OUTDOOR UNIT CURRENT (A)		10.9	11.7	13.1	15.0	17.4	20.4	23.8	27.7	
COMPRESSOR CURRENT (A)		8.8	9.7	11.1	13.0	15.4	18.4	21.8	25.8	
INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19	19		

Continued on next page.

## YCG60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1525	LIQUID PRESSURE (PSIG)	197	225	262	310	366	433	509	595
		LIQUID TEMPERATURE (°F)	59	67	76	86	97	107	116	125
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	16	19	23
		SUCTION PRESSURE (PSIG)	109	111	114	117	120	124	128	133
		SUCTION TEMPERATURE (°F)	47	48	49	50	53	55	57	60
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	10.9	11.8	13.2	15.1	17.5	20.5	23.9	27.8
		COMPRESSOR CURRENT (A)	8.8	9.7	11.1	13.0	15.5	18.4	21.9	25.8
	INDOOR COIL DB TEMP DROP (°F)	33	32	31	30	29	28	27	26	
	1725	LIQUID PRESSURE (PSIG)	196	224	261	309	365	432	508	594
		LIQUID TEMPERATURE (°F)	59	67	76	86	97	107	116	125
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	16	19	23
		SUCTION PRESSURE (PSIG)	114	116	119	122	125	129	133	138
		SUCTION TEMPERATURE (°F)	49	50	51	53	55	57	59	62
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	10.8	11.7	13.1	15.0	17.4	20.4	23.8	27.7
		COMPRESSOR CURRENT (A)	8.7	9.6	11.0	12.9	15.4	18.3	21.8	25.7
	INDOOR COIL DB TEMP DROP (°F)	31	30	29	28	27	26	25	24	
	1925	LIQUID PRESSURE (PSIG)	195	223	260	308	364	431	507	593
		LIQUID TEMPERATURE (°F)	58	67	76	86	97	106	116	125
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	16	19	23
		SUCTION PRESSURE (PSIG)	119	121	124	127	130	134	138	143
		SUCTION TEMPERATURE (°F)	51	52	54	55	57	59	61	64
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
OUTDOOR UNIT CURRENT (A)		10.7	11.6	13.0	14.9	17.3	20.3	23.7	27.6	
COMPRESSOR CURRENT (A)		8.6	9.5	10.9	12.8	15.3	18.2	21.7	25.6	
INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23	22		
80/62	1525	LIQUID PRESSURE (PSIG)	199	228	266	313	370	435	510	594
		LIQUID TEMPERATURE (°F)	58	67	76	86	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	119	119	120	122	124	127	131	136
		SUCTION TEMPERATURE (°F)	51	52	53	54	55	57	58	61
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	10.9	11.9	13.3	15.2	17.5	20.4	23.8	27.6
		COMPRESSOR CURRENT (A)	8.9	9.8	11.2	13.1	15.5	18.4	21.8	25.6
	INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	27	26	25	24	
	1725	LIQUID PRESSURE (PSIG)	199	228	266	313	370	435	510	594
		LIQUID TEMPERATURE (°F)	58	67	76	86	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	122	122	123	125	127	130	134	139
		SUCTION TEMPERATURE (°F)	53	54	54	55	56	58	60	63
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	10.9	11.9	13.3	15.2	17.5	20.4	23.8	27.6
		COMPRESSOR CURRENT (A)	8.9	9.8	11.2	13.1	15.5	18.4	21.8	25.6
	INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	26	25	24	23	
	1925	LIQUID PRESSURE (PSIG)	199	228	266	313	370	435	510	594
		LIQUID TEMPERATURE (°F)	58	67	76	86	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	125	125	126	128	130	133	137	142
		SUCTION TEMPERATURE (°F)	54	55	55	56	57	59	61	64
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	13	13	14
OUTDOOR UNIT CURRENT (A)		10.9	11.9	13.3	15.2	17.5	20.4	23.8	27.6	
COMPRESSOR CURRENT (A)		8.9	9.8	11.2	13.1	15.5	18.4	21.8	25.6	
INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	25	24	23	22		

Continued on next page.

## YCG60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1525	LIQUID PRESSURE (PSIG)	199	229	267	315	372	438	514	599
		LIQUID TEMPERATURE (°F)	59	68	76	87	96	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	129	131	134	136	138	140	142	144
		SUCTION TEMPERATURE (°F)	58	56	58	58	59	61	63	65
		SUCTION SUPERHEAT (°F)	13	11	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	11.1	12.1	13.4	15.3	17.7	20.5	23.8	27.6
		COMPRESSOR CURRENT (A)	9.0	10.0	11.4	13.3	15.7	18.5	21.8	25.6
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	23	22	21	20	
	1725	LIQUID PRESSURE (PSIG)	199	229	267	315	372	438	514	599
		LIQUID TEMPERATURE (°F)	59	68	76	87	96	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	132	134	137	139	141	143	145	147
		SUCTION TEMPERATURE (°F)	59	58	59	60	60	62	64	66
		SUCTION SUPERHEAT (°F)	13	11	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	11.0	12.0	13.3	15.2	17.6	20.4	23.7	27.5
		COMPRESSOR CURRENT (A)	8.9	9.9	11.3	13.2	15.6	18.4	21.7	25.5
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20	19	
	1925	LIQUID PRESSURE (PSIG)	199	229	267	315	372	438	514	599
		LIQUID TEMPERATURE (°F)	59	68	76	87	96	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	135	137	140	142	144	146	148	150
		SUCTION TEMPERATURE (°F)	60	59	60	61	62	63	65	67
		SUCTION SUPERHEAT (°F)	13	11	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	10.9	11.9	13.2	15.1	17.5	20.3	23.6	27.4
		COMPRESSOR CURRENT (A)	8.8	9.8	11.2	13.1	15.5	18.3	21.6	25.4
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19	18	
	80/72	1525	LIQUID PRESSURE (PSIG)	201	231	269	316	371	435	507
LIQUID TEMPERATURE (°F)			60	69	78	88	98	108	117	126
LIQUID SUBCOOLING (°F)			10	10	11	12	13	15	18	21
SUCTION PRESSURE (PSIG)			138	141	145	148	151	154	156	159
SUCTION TEMPERATURE (°F)			64	63	64	64	65	66	67	69
SUCTION SUPERHEAT (°F)			16	14	13	12	12	12	12	13
OUTDOOR UNIT CURRENT (A)			11.1	12.0	13.4	15.2	17.5	20.2	23.3	26.9
COMPRESSOR CURRENT (A)			9.0	10.0	11.3	13.2	15.4	18.2	21.4	25.0
INDOOR COIL DB TEMP DROP (°F)		20	20	19	19	18	18	17	16	
1725		LIQUID PRESSURE (PSIG)	201	231	269	316	371	435	507	588
		LIQUID TEMPERATURE (°F)	60	69	78	88	98	108	117	126
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	15	18	21
		SUCTION PRESSURE (PSIG)	140	143	147	150	153	156	158	161
		SUCTION TEMPERATURE (°F)	65	64	65	65	66	67	68	70
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	11.1	12.0	13.4	15.2	17.5	20.2	23.3	26.9
		COMPRESSOR CURRENT (A)	9.0	10.0	11.3	13.2	15.4	18.2	21.4	25.0
INDOOR COIL DB TEMP DROP (°F)		19	19	18	18	17	17	16	15	
1925		LIQUID PRESSURE (PSIG)	201	231	269	316	371	435	507	588
		LIQUID TEMPERATURE (°F)	60	69	78	88	98	108	117	126
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	15	18	21
		SUCTION PRESSURE (PSIG)	142	145	149	152	155	158	160	163
		SUCTION TEMPERATURE (°F)	66	65	66	66	67	68	69	71
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	11.1	12.0	13.4	15.2	17.5	20.2	23.3	26.9
		COMPRESSOR CURRENT (A)	9.0	10.0	11.3	13.2	15.4	18.2	21.4	25.0
INDOOR COIL DB TEMP DROP (°F)		18	18	17	17	16	16	15	14	

FOR USE WITH MODELS:

TCG36B31

TCG36B41

TCG36B(3,4)1 SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	191(8)	194(10)	196(11)	200(13)
60	207(9)	209(10)	212(11)	215(12)
65	223(9)	226(10)	229(11)	231(12)
70	242(9)	245(11)	247(11)	249(12)
75	262(10)	265(11)	267(11)	269(12)
80	283(10)	286(11)	288(10)	290(12)
85	307(11)	309(11)	311(11)	313(12)
90	331(11)	334(12)	336(12)	338(12)
95	358(12)	361(12)	362(12)	364(12)
100	386(12)	388(13)	390(13)	392(13)
105	415(13)	418(13)	419(13)	421(13)
110	446(13)	449(14)	450(14)	452(14)
115	479(14)	482(15)	482(14)	484(14)
120	513(15)	516(15)	516(15)	518(15)
125	549(16)	551(16)	551(16)	554(16)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## TCG36B31 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	194	225	263	308	360	419	484	557
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	116	119	122	125	128	130	133	135
		SUCTION TEMPERATURE (°F)	57	57	58	59	60	62	65	69
		SUCTION SUPERHEAT (°F)	18	17	16	16	16	17	19	22
		OUTDOOR UNIT CURRENT (A)	4.3	4.6	5.2	5.8	6.6	7.6	8.7	9.9
		COMPRESSOR CURRENT (A)	3.3	3.6	4.2	4.8	5.6	6.6	7.7	8.9
	INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	24	23	22	22	
	1200	LIQUID PRESSURE (PSIG)	194	225	263	308	360	419	484	557
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	119	122	125	128	131	133	136	138
		SUCTION TEMPERATURE (°F)	58	59	59	60	61	63	66	70
		SUCTION SUPERHEAT (°F)	18	17	16	16	16	17	19	22
		OUTDOOR UNIT CURRENT (A)	4.3	4.6	5.2	5.8	6.6	7.6	8.7	9.9
		COMPRESSOR CURRENT (A)	3.3	3.6	4.2	4.8	5.6	6.6	7.7	8.9
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	22	21	20	20	
	1400	LIQUID PRESSURE (PSIG)	194	225	263	308	360	419	484	557
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	122	125	128	131	134	136	139	141
		SUCTION TEMPERATURE (°F)	60	60	60	61	63	64	68	71
		SUCTION SUPERHEAT (°F)	18	17	16	16	16	17	19	22
OUTDOOR UNIT CURRENT (A)		4.3	4.6	5.2	5.8	6.6	7.6	8.7	9.9	
COMPRESSOR CURRENT (A)		3.3	3.6	4.2	4.8	5.6	6.6	7.7	8.9	
INDOOR COIL DB TEMP DROP (°F)	21	21	21	20	20	19	18	18		

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## TCG36B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1000	LIQUID PRESSURE (PSIG)	191	223	262	307	358	415	479	549
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	16
		SUCTION PRESSURE (PSIG)	109	112	115	119	123	126	131	135
		SUCTION TEMPERATURE (°F)	54	54	55	56	59	60	63	66
		SUCTION SUPERHEAT (°F)	18	17	16	16	17	17	18	19
		OUTDOOR UNIT CURRENT (A)	4.3	4.8	5.2	5.9	6.7	7.6	8.6	9.8
		COMPRESSOR CURRENT (A)	3.3	3.7	4.2	4.8	5.7	6.6	7.6	8.8
	INDOOR COIL DB TEMP DROP (°F)	32	32	32	31	30	29	28	26	
	1200	LIQUID PRESSURE (PSIG)	191	223	262	307	358	415	479	549
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	16
		SUCTION PRESSURE (PSIG)	115	118	121	125	129	132	137	141
		SUCTION TEMPERATURE (°F)	57	57	57	59	62	63	66	68
		SUCTION SUPERHEAT (°F)	18	17	16	16	17	17	18	19
		OUTDOOR UNIT CURRENT (A)	4.3	4.7	5.2	5.9	6.6	7.5	8.6	9.7
		COMPRESSOR CURRENT (A)	3.3	3.6	4.2	4.8	5.6	6.5	7.6	8.7
	INDOOR COIL DB TEMP DROP (°F)	29	29	29	28	27	26	25	23	
	1400	LIQUID PRESSURE (PSIG)	191	223	262	307	358	415	479	549
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	16
		SUCTION PRESSURE (PSIG)	121	124	127	131	135	138	143	147
		SUCTION TEMPERATURE (°F)	59	60	60	61	64	65	68	71
		SUCTION SUPERHEAT (°F)	18	17	16	16	17	17	18	19
		OUTDOOR UNIT CURRENT (A)	4.2	4.6	5.1	5.8	6.5	7.4	8.5	9.6
		COMPRESSOR CURRENT (A)	3.3	3.6	4.2	4.8	5.6	6.5	7.6	8.7
	INDOOR COIL DB TEMP DROP (°F)	26	26	26	25	24	23	22	20	
	80/62	1000	LIQUID PRESSURE (PSIG)	195	227	266	310	362	419	483
LIQUID TEMPERATURE (°F)			58	68	77	87	97	107	116	126
LIQUID SUBCOOLING (°F)			10	10	11	11	12	13	15	16
SUCTION PRESSURE (PSIG)			116	119	122	125	128	131	134	137
SUCTION TEMPERATURE (°F)			58	58	59	59	60	62	66	69
SUCTION SUPERHEAT (°F)			19	18	17	16	16	17	19	21
OUTDOOR UNIT CURRENT (A)			4.3	4.8	5.3	5.9	6.6	7.6	8.6	9.7
COMPRESSOR CURRENT (A)			3.3	3.8	4.3	4.9	5.7	6.6	7.6	8.8
INDOOR COIL DB TEMP DROP (°F)		29	29	29	28	28	27	26	25	
1200		LIQUID PRESSURE (PSIG)	194	226	265	309	361	418	482	551
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	16
		SUCTION PRESSURE (PSIG)	120	123	126	129	132	135	138	141
		SUCTION TEMPERATURE (°F)	60	60	60	61	62	64	67	70
		SUCTION SUPERHEAT (°F)	19	18	17	16	16	17	19	21
		OUTDOOR UNIT CURRENT (A)	4.3	4.7	5.2	5.8	6.6	7.5	8.6	9.7
		COMPRESSOR CURRENT (A)	3.3	3.7	4.2	4.8	5.7	6.5	7.6	8.8
INDOOR COIL DB TEMP DROP (°F)		27	27	27	26	26	25	24	23	
1400		LIQUID PRESSURE (PSIG)	193	225	264	308	360	417	481	550
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	16
		SUCTION PRESSURE (PSIG)	124	127	130	133	136	139	142	145
		SUCTION TEMPERATURE (°F)	62	62	62	62	63	66	69	72
		SUCTION SUPERHEAT (°F)	19	18	17	16	16	17	19	21
		OUTDOOR UNIT CURRENT (A)	4.2	4.6	5.2	5.8	6.5	7.5	8.5	9.6
		COMPRESSOR CURRENT (A)	3.2	3.6	4.2	4.8	5.6	6.5	7.5	8.7
INDOOR COIL DB TEMP DROP (°F)		25	25	25	24	24	23	22	21	

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## TCG36B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1000	LIQUID PRESSURE (PSIG)	196	229	267	311	362	419	482	551
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	11	11	11	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	121	127	132	136	140	143	145	147
		SUCTION TEMPERATURE (°F)	63	63	62	61	62	64	67	70
		SUCTION SUPERHEAT (°F)	22	19	16	14	13	14	16	18
		OUTDOOR UNIT CURRENT (A)	4.4	4.7	5.2	5.8	6.6	7.4	8.5	9.7
		COMPRESSOR CURRENT (A)	3.3	3.7	4.2	4.8	5.6	6.5	7.5	8.7
	INDOOR COIL DB TEMP DROP (°F)	23	24	24	24	24	23	23	22	
	1200	LIQUID PRESSURE (PSIG)	196	229	267	311	362	419	482	551
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	11	11	11	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	124	130	135	139	143	146	148	150
		SUCTION TEMPERATURE (°F)	66	65	64	64	64	66	69	72
		SUCTION SUPERHEAT (°F)	23	20	17	15	14	15	17	19
		OUTDOOR UNIT CURRENT (A)	4.4	4.7	5.2	5.8	6.6	7.4	8.5	9.7
		COMPRESSOR CURRENT (A)	3.3	3.7	4.2	4.8	5.6	6.5	7.5	8.7
	INDOOR COIL DB TEMP DROP (°F)	21	22	22	22	22	21	21	20	
	1400	LIQUID PRESSURE (PSIG)	196	229	267	311	362	419	482	551
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	11	11	11	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	127	133	138	142	146	149	151	153
		SUCTION TEMPERATURE (°F)	68	67	66	66	66	69	71	74
		SUCTION SUPERHEAT (°F)	24	21	18	16	15	16	18	20
OUTDOOR UNIT CURRENT (A)		4.4	4.7	5.2	5.8	6.6	7.4	8.5	9.7	
COMPRESSOR CURRENT (A)		3.3	3.7	4.2	4.8	5.6	6.5	7.5	8.7	
INDOOR COIL DB TEMP DROP (°F)	19	20	20	20	20	19	19	18		
80/72	1000	LIQUID PRESSURE (PSIG)	199	230	268	312	363	420	483	553
		LIQUID TEMPERATURE (°F)	56	67	77	87	98	108	117	126
		LIQUID SUBCOOLING (°F)	13	12	12	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	122	132	140	147	152	156	159	160
		SUCTION TEMPERATURE (°F)	69	68	68	69	70	71	74	77
		SUCTION SUPERHEAT (°F)	27	22	19	17	16	16	18	20
		OUTDOOR UNIT CURRENT (A)	4.3	4.8	5.2	5.8	6.6	7.5	8.5	9.7
		COMPRESSOR CURRENT (A)	3.3	3.7	4.2	4.8	5.6	6.5	7.5	8.7
	INDOOR COIL DB TEMP DROP (°F)	18	18	19	19	19	19	18	17	
	1200	LIQUID PRESSURE (PSIG)	200	231	269	313	364	421	484	554
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	108	117	126
		LIQUID SUBCOOLING (°F)	13	12	12	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	124	134	142	149	154	158	161	162
		SUCTION TEMPERATURE (°F)	70	69	69	70	70	72	75	77
		SUCTION SUPERHEAT (°F)	27	22	19	17	16	16	18	20
		OUTDOOR UNIT CURRENT (A)	4.3	4.8	5.2	5.8	6.6	7.5	8.5	9.7
		COMPRESSOR CURRENT (A)	3.3	3.7	4.2	4.8	5.6	6.5	7.5	8.7
	INDOOR COIL DB TEMP DROP (°F)	16	16	17	17	17	17	16	15	
	1400	LIQUID PRESSURE (PSIG)	201	232	270	314	365	422	485	555
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	108	118	126
		LIQUID SUBCOOLING (°F)	13	12	12	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	126	136	144	151	156	160	163	164
		SUCTION TEMPERATURE (°F)	70	69	70	70	71	73	76	78
		SUCTION SUPERHEAT (°F)	27	22	19	17	16	16	18	20
OUTDOOR UNIT CURRENT (A)		4.3	4.8	5.2	5.8	6.6	7.5	8.5	9.7	
COMPRESSOR CURRENT (A)		3.3	3.7	4.2	4.8	5.6	6.5	7.5	8.7	
INDOOR COIL DB TEMP DROP (°F)	14	14	15	15	15	15	14	13		

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## TCG36B41 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	194	225	263	308	360	419	484	557
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	116	119	122	125	128	130	133	135
		SUCTION TEMPERATURE (°F)	57	57	58	59	60	62	65	69
		SUCTION SUPERHEAT (°F)	18	17	16	16	16	17	19	22
		OUTDOOR UNIT CURRENT (A)	2.1	2.3	2.6	2.9	3.3	3.8	4.3	4.9
		COMPRESSOR CURRENT (A)	1.6	1.8	2.1	2.4	2.8	3.3	3.8	4.4
	INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	24	23	22	22	
	1200	LIQUID PRESSURE (PSIG)	194	225	263	308	360	419	484	557
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	119	122	125	128	131	133	136	138
		SUCTION TEMPERATURE (°F)	58	59	59	60	61	63	66	70
		SUCTION SUPERHEAT (°F)	18	17	16	16	16	17	19	22
		OUTDOOR UNIT CURRENT (A)	2.1	2.3	2.6	2.9	3.3	3.8	4.3	4.9
		COMPRESSOR CURRENT (A)	1.6	1.8	2.1	2.4	2.8	3.3	3.8	4.4
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	22	21	20	20	
	1400	LIQUID PRESSURE (PSIG)	194	225	263	308	360	419	484	557
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	122	125	128	131	134	136	139	141
		SUCTION TEMPERATURE (°F)	60	60	60	61	63	64	68	71
		SUCTION SUPERHEAT (°F)	18	17	16	16	16	17	19	22
OUTDOOR UNIT CURRENT (A)		2.1	2.3	2.6	2.9	3.3	3.8	4.3	4.9	
COMPRESSOR CURRENT (A)		1.6	1.8	2.1	2.4	2.8	3.3	3.8	4.4	
INDOOR COIL DB TEMP DROP (°F)	21	21	21	20	20	19	18	18		
80/57	1000	LIQUID PRESSURE (PSIG)	191	223	262	307	358	415	479	549
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	16
		SUCTION PRESSURE (PSIG)	109	112	115	119	123	126	131	135
		SUCTION TEMPERATURE (°F)	54	54	55	56	59	60	63	66
		SUCTION SUPERHEAT (°F)	18	17	16	16	17	17	18	19
		OUTDOOR UNIT CURRENT (A)	2.2	2.4	2.6	3.0	3.3	3.8	4.3	4.9
		COMPRESSOR CURRENT (A)	1.7	1.8	2.1	2.4	2.8	3.3	3.8	4.4
	INDOOR COIL DB TEMP DROP (°F)	32	32	32	31	30	29	28	26	
	1200	LIQUID PRESSURE (PSIG)	191	223	262	307	358	415	479	549
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	16
		SUCTION PRESSURE (PSIG)	115	118	121	125	129	132	137	141
		SUCTION TEMPERATURE (°F)	57	57	57	59	62	63	66	68
		SUCTION SUPERHEAT (°F)	18	17	16	16	17	17	18	19
		OUTDOOR UNIT CURRENT (A)	2.1	2.4	2.6	2.9	3.3	3.8	4.3	4.9
		COMPRESSOR CURRENT (A)	1.6	1.8	2.1	2.4	2.8	3.3	3.8	4.4
	INDOOR COIL DB TEMP DROP (°F)	29	29	29	28	27	26	25	23	
	1400	LIQUID PRESSURE (PSIG)	191	223	262	307	358	415	479	549
		LIQUID TEMPERATURE (°F)	59	68	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	13	14	16
		SUCTION PRESSURE (PSIG)	121	124	127	131	135	138	143	147
		SUCTION TEMPERATURE (°F)	59	60	60	61	64	65	68	71
		SUCTION SUPERHEAT (°F)	18	17	16	16	17	17	18	19
OUTDOOR UNIT CURRENT (A)		2.1	2.3	2.5	2.9	3.3	3.7	4.2	4.8	
COMPRESSOR CURRENT (A)		1.6	1.8	2.1	2.4	2.8	3.3	3.8	4.4	
INDOOR COIL DB TEMP DROP (°F)	26	26	26	25	24	23	22	20		

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## TCG36B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1000	LIQUID PRESSURE (PSIG)	195	227	266	310	362	419	483	552
		LIQUID TEMPERATURE (°F)	58	68	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	16
		SUCTION PRESSURE (PSIG)	116	119	122	125	128	131	134	137
		SUCTION TEMPERATURE (°F)	58	58	59	59	60	62	66	69
		SUCTION SUPERHEAT (°F)	19	18	17	16	16	17	19	21
		OUTDOOR UNIT CURRENT (A)	2.2	2.4	2.6	3.0	3.3	3.8	4.3	4.9
		COMPRESSOR CURRENT (A)	1.7	1.9	2.1	2.5	2.9	3.3	3.8	4.4
	INDOOR COIL DB TEMP DROP (°F)	29	29	29	28	28	27	26	25	
	1200	LIQUID PRESSURE (PSIG)	194	226	265	309	361	418	482	551
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	16
		SUCTION PRESSURE (PSIG)	120	123	126	129	132	135	138	141
		SUCTION TEMPERATURE (°F)	60	60	60	61	62	64	67	70
		SUCTION SUPERHEAT (°F)	19	18	17	16	16	17	19	21
		OUTDOOR UNIT CURRENT (A)	2.1	2.3	2.6	2.9	3.3	3.8	4.3	4.8
		COMPRESSOR CURRENT (A)	1.6	1.8	2.1	2.4	2.8	3.3	3.8	4.4
	INDOOR COIL DB TEMP DROP (°F)	27	27	27	26	26	25	24	23	
	1400	LIQUID PRESSURE (PSIG)	193	225	264	308	360	417	481	550
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	13	15	16
		SUCTION PRESSURE (PSIG)	124	127	130	133	136	139	142	145
		SUCTION TEMPERATURE (°F)	62	62	62	62	63	66	69	72
		SUCTION SUPERHEAT (°F)	19	18	17	16	16	17	19	21
		OUTDOOR UNIT CURRENT (A)	2.1	2.3	2.6	2.9	3.3	3.7	4.3	4.8
		COMPRESSOR CURRENT (A)	1.6	1.8	2.1	2.4	2.8	3.2	3.8	4.4
	INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	24	23	22	21	
	80/67	1000	LIQUID PRESSURE (PSIG)	196	229	267	311	362	419	482
LIQUID TEMPERATURE (°F)			58	67	77	87	97	107	117	126
LIQUID SUBCOOLING (°F)			11	11	11	12	12	13	14	16
SUCTION PRESSURE (PSIG)			121	127	132	136	140	143	145	147
SUCTION TEMPERATURE (°F)			63	63	62	61	62	64	67	70
SUCTION SUPERHEAT (°F)			22	19	16	14	13	14	16	18
OUTDOOR UNIT CURRENT (A)			2.2	2.3	2.6	2.9	3.3	3.7	4.3	4.8
COMPRESSOR CURRENT (A)			1.6	1.8	2.1	2.4	2.8	3.3	3.8	4.3
INDOOR COIL DB TEMP DROP (°F)		23	24	24	24	24	23	23	22	
1200		LIQUID PRESSURE (PSIG)	196	229	267	311	362	419	482	551
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	11	11	11	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	124	130	135	139	143	146	148	150
		SUCTION TEMPERATURE (°F)	66	65	64	64	64	66	69	72
		SUCTION SUPERHEAT (°F)	23	20	17	15	14	15	17	19
		OUTDOOR UNIT CURRENT (A)	2.2	2.3	2.6	2.9	3.3	3.7	4.3	4.8
		COMPRESSOR CURRENT (A)	1.6	1.8	2.1	2.4	2.8	3.3	3.8	4.3
INDOOR COIL DB TEMP DROP (°F)		21	22	22	22	22	21	21	20	
1400		LIQUID PRESSURE (PSIG)	196	229	267	311	362	419	482	551
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	11	11	11	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	127	133	138	142	146	149	151	153
		SUCTION TEMPERATURE (°F)	68	67	66	66	66	69	71	74
		SUCTION SUPERHEAT (°F)	24	21	18	16	15	16	18	20
		OUTDOOR UNIT CURRENT (A)	2.2	2.3	2.6	2.9	3.3	3.7	4.3	4.8
		COMPRESSOR CURRENT (A)	1.6	1.8	2.1	2.4	2.8	3.3	3.8	4.3
INDOOR COIL DB TEMP DROP (°F)		19	20	20	20	20	19	19	18	

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## TCG36B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1000	LIQUID PRESSURE (PSIG)	199	230	268	312	363	420	483	553
		LIQUID TEMPERATURE (°F)	56	67	77	87	98	108	117	126
		LIQUID SUBCOOLING (°F)	13	12	12	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	122	132	140	147	152	156	159	160
		SUCTION TEMPERATURE (°F)	69	68	68	69	70	71	74	77
		SUCTION SUPERHEAT (°F)	27	22	19	17	16	16	18	20
		OUTDOOR UNIT CURRENT (A)	2.2	2.4	2.6	2.9	3.3	3.7	4.3	4.8
		COMPRESSOR CURRENT (A)	1.7	1.8	2.1	2.4	2.8	3.2	3.8	4.3
	INDOOR COIL DB TEMP DROP (°F)	18	18	19	19	19	19	18	17	
	1200	LIQUID PRESSURE (PSIG)	200	231	269	313	364	421	484	554
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	108	117	126
		LIQUID SUBCOOLING (°F)	13	12	12	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	124	134	142	149	154	158	161	162
		SUCTION TEMPERATURE (°F)	70	69	69	70	70	72	75	77
		SUCTION SUPERHEAT (°F)	27	22	19	17	16	16	18	20
		OUTDOOR UNIT CURRENT (A)	2.2	2.4	2.6	2.9	3.3	3.7	4.3	4.8
		COMPRESSOR CURRENT (A)	1.7	1.8	2.1	2.4	2.8	3.2	3.8	4.3
	INDOOR COIL DB TEMP DROP (°F)	16	16	17	17	17	17	16	15	
	1400	LIQUID PRESSURE (PSIG)	201	232	270	314	365	422	485	555
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	108	118	126
		LIQUID SUBCOOLING (°F)	13	12	12	12	12	13	14	16
		SUCTION PRESSURE (PSIG)	126	136	144	151	156	160	163	164
		SUCTION TEMPERATURE (°F)	70	69	70	70	71	73	76	78
		SUCTION SUPERHEAT (°F)	27	22	19	17	16	16	18	20
		OUTDOOR UNIT CURRENT (A)	2.2	2.4	2.6	2.9	3.3	3.7	4.3	4.8
		COMPRESSOR CURRENT (A)	1.7	1.8	2.1	2.4	2.8	3.2	3.8	4.3
	INDOOR COIL DB TEMP DROP (°F)	14	14	15	15	15	15	14	13	

FOR USE WITH MODELS:

TCG48B31

TCG48B41

TCG48B(3,4)1 SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	187(8)	189(9)	192(11)	193(11)
60	201(8)	204(9)	207(10)	208(11)
65	218(8)	221(9)	224(10)	224(10)
70	235(9)	239(10)	242(10)	242(10)
75	255(9)	259(10)	262(10)	262(10)
80	276(9)	280(10)	281(10)	283(10)
85	298(9)	303(10)	304(10)	305(10)
90	323(10)	328(11)	329(10)	329(10)
95	349(10)	353(11)	355(11)	354(10)
100	376(11)	381(11)	382(11)	381(10)
105	405(11)	409(12)	410(11)	409(11)
110	436(12)	440(13)	440(12)	439(11)
115	468(12)	472(13)	472(13)	470(12)
120	502(13)	505(14)	504(13)	502(12)
125	537(14)	540(15)	538(14)	536(13)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## TCG48B31 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1300	LIQUID PRESSURE (PSIG)	189	220	257	300	350	406	469	537
		LIQUID TEMPERATURE (°F)	56	67	77	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	10	9	9	10	10	11	12	14
		SUCTION PRESSURE (PSIG)	114	118	121	125	128	130	133	135
		SUCTION TEMPERATURE (°F)	54	53	51	52	52	53	54	57
		SUCTION SUPERHEAT (°F)	16	13	10	9	8	8	8	10
		OUTDOOR UNIT CURRENT (A)	5.9	6.3	6.9	7.7	8.7	9.8	11.1	12.5
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.8	6.8	7.9	9.2	10.6
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	24	24	23	22	21
	1500	LIQUID PRESSURE (PSIG)	189	220	257	300	350	406	469	537
		LIQUID TEMPERATURE (°F)	56	67	77	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	10	9	9	10	10	11	12	14
		SUCTION PRESSURE (PSIG)	116	120	123	127	130	132	135	137
		SUCTION TEMPERATURE (°F)	56	55	53	54	54	55	56	59
		SUCTION SUPERHEAT (°F)	17	14	11	10	9	9	9	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.3	6.9	7.7	8.7	9.8	11.1	12.5
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.8	6.8	7.9	9.2	10.6
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	22	21	20	19
	1700	LIQUID PRESSURE (PSIG)	189	220	257	300	350	406	469	537
		LIQUID TEMPERATURE (°F)	56	67	77	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	10	9	9	10	10	11	12	14
		SUCTION PRESSURE (PSIG)	118	122	125	129	132	134	137	139
		SUCTION TEMPERATURE (°F)	58	57	55	56	56	57	58	61
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	10	10	12
OUTDOOR UNIT CURRENT (A)		5.9	6.3	6.9	7.7	8.7	9.8	11.1	12.5	
COMPRESSOR CURRENT (A)		3.9	4.4	5.0	5.8	6.8	7.9	9.2	10.6	
INDOOR COIL DB TEMP DROP (°F)		21	21	20	20	20	19	18	17	

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## TCG48B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1300	LIQUID PRESSURE (PSIG)	187	218	255	298	349	405	468	537
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	11	12	14
		SUCTION PRESSURE (PSIG)	108	110	113	116	120	124	128	132
		SUCTION TEMPERATURE (°F)	49	48	49	49	51	53	55	58
		SUCTION SUPERHEAT (°F)	14	12	11	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	5.8	6.3	7.0	7.7	8.7	9.8	11.0	12.5
		COMPRESSOR CURRENT (A)	3.8	4.3	5.0	5.8	6.8	7.9	9.2	10.7
	INDOOR COIL DB TEMP DROP (°F)	31	31	30	29	28	27	26	24	
	1500	LIQUID PRESSURE (PSIG)	187	218	255	298	349	405	468	537
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	11	12	14
		SUCTION PRESSURE (PSIG)	113	115	118	121	125	129	133	137
		SUCTION TEMPERATURE (°F)	52	51	51	51	53	55	57	60
		SUCTION SUPERHEAT (°F)	14	12	11	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	5.8	6.3	7.0	7.7	8.7	9.8	11.0	12.5
		COMPRESSOR CURRENT (A)	3.8	4.3	5.0	5.8	6.8	7.9	9.2	10.7
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	26	25	24	22	
	1700	LIQUID PRESSURE (PSIG)	187	218	255	298	349	405	468	537
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	11	12	14
		SUCTION PRESSURE (PSIG)	118	120	123	126	130	134	138	142
		SUCTION TEMPERATURE (°F)	54	53	53	53	55	57	59	62
		SUCTION SUPERHEAT (°F)	14	12	11	10	10	10	11	12
OUTDOOR UNIT CURRENT (A)		5.8	6.3	7.0	7.7	8.7	9.8	11.0	12.5	
COMPRESSOR CURRENT (A)		3.8	4.3	5.0	5.8	6.8	7.9	9.2	10.7	
INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	24	23	22	20		
80/62	1300	LIQUID PRESSURE (PSIG)	189	221	259	303	353	409	472	540
		LIQUID TEMPERATURE (°F)	57	67	76	87	97	107	116	125
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	12	13	15
		SUCTION PRESSURE (PSIG)	115	119	122	125	127	130	133	135
		SUCTION TEMPERATURE (°F)	56	53	53	52	52	53	55	58
		SUCTION SUPERHEAT (°F)	17	13	11	9	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.0	7.8	8.8	9.9	11.1	12.5
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	5.9	6.9	8.0	9.2	10.7
	INDOOR COIL DB TEMP DROP (°F)	29	29	29	28	28	27	26	24	
	1500	LIQUID PRESSURE (PSIG)	189	221	259	303	353	409	472	540
		LIQUID TEMPERATURE (°F)	57	67	76	87	97	107	116	125
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	12	13	15
		SUCTION PRESSURE (PSIG)	118	122	125	128	130	133	136	138
		SUCTION TEMPERATURE (°F)	57	55	54	53	53	54	56	59
		SUCTION SUPERHEAT (°F)	17	13	11	9	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.0	7.8	8.8	9.9	11.1	12.5
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	5.9	6.9	8.0	9.2	10.7
	INDOOR COIL DB TEMP DROP (°F)	27	27	27	26	26	25	24	22	
	1700	LIQUID PRESSURE (PSIG)	189	221	259	303	353	409	472	540
		LIQUID TEMPERATURE (°F)	57	67	76	87	97	107	116	125
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	12	13	15
		SUCTION PRESSURE (PSIG)	121	125	128	131	133	136	139	141
		SUCTION TEMPERATURE (°F)	59	57	56	55	55	56	59	61
		SUCTION SUPERHEAT (°F)	18	14	12	10	9	9	10	12
OUTDOOR UNIT CURRENT (A)		5.9	6.4	7.0	7.8	8.8	9.9	11.1	12.5	
COMPRESSOR CURRENT (A)		3.9	4.4	5.1	5.9	6.9	8.0	9.2	10.7	
INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	24	23	22	20		

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## TCG48B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1300	LIQUID PRESSURE (PSIG)	192	224	262	305	355	410	472	538
		LIQUID TEMPERATURE (°F)	56	67	77	87	97	108	116	126
		LIQUID SUBCOOLING (°F)	11	10	10	10	11	11	13	14
		SUCTION PRESSURE (PSIG)	119	126	132	137	141	144	146	147
		SUCTION TEMPERATURE (°F)	61	58	57	56	55	57	58	61
		SUCTION SUPERHEAT (°F)	21	15	11	8	6	6	7	9
		OUTDOOR UNIT CURRENT (A)	5.8	6.3	7.0	7.8	8.8	9.8	11.1	12.4
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	5.9	6.9	8.0	9.2	10.6
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	24	23	22	21	
	1500	LIQUID PRESSURE (PSIG)	192	224	262	305	355	410	472	538
		LIQUID TEMPERATURE (°F)	56	67	77	87	97	108	116	126
		LIQUID SUBCOOLING (°F)	11	10	10	10	11	11	13	14
		SUCTION PRESSURE (PSIG)	121	128	134	139	143	146	148	149
		SUCTION TEMPERATURE (°F)	63	60	59	58	57	58	60	63
		SUCTION SUPERHEAT (°F)	22	16	12	9	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	5.8	6.3	7.0	7.8	8.8	9.8	11.1	12.4
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	5.9	6.9	8.0	9.2	10.6
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	22	21	20	19	
	1700	LIQUID PRESSURE (PSIG)	192	224	262	305	355	410	472	538
		LIQUID TEMPERATURE (°F)	56	67	77	87	97	108	116	126
		LIQUID SUBCOOLING (°F)	11	10	10	10	11	11	13	14
		SUCTION PRESSURE (PSIG)	123	130	136	141	145	148	150	151
		SUCTION TEMPERATURE (°F)	65	62	60	59	59	60	62	64
		SUCTION SUPERHEAT (°F)	23	17	13	10	8	8	9	11
OUTDOOR UNIT CURRENT (A)		5.8	6.3	7.0	7.8	8.8	9.8	11.1	12.4	
COMPRESSOR CURRENT (A)		3.9	4.4	5.1	5.9	6.9	8.0	9.2	10.6	
INDOOR COIL DB TEMP DROP (°F)	20	20	20	20	20	19	18	17		
80/72	1300	LIQUID PRESSURE (PSIG)	192	223	261	304	353	408	469	535
		LIQUID TEMPERATURE (°F)	56	67	77	87	98	107	117	126
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	119	129	138	146	152	156	159	160
		SUCTION TEMPERATURE (°F)	66	65	64	63	64	64	64	66
		SUCTION SUPERHEAT (°F)	26	20	16	12	10	9	8	9
		OUTDOOR UNIT CURRENT (A)	5.8	6.4	7.0	7.8	8.7	9.7	10.9	12.3
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	5.8	6.8	7.9	9.1	10.5
	INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	18	17	17	16	
	1500	LIQUID PRESSURE (PSIG)	193	224	262	305	354	409	470	536
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	108	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	121	131	140	148	154	158	161	162
		SUCTION TEMPERATURE (°F)	68	66	66	65	65	66	66	67
		SUCTION SUPERHEAT (°F)	27	21	17	13	11	10	9	10
		OUTDOOR UNIT CURRENT (A)	5.8	6.4	7.0	7.8	8.7	9.7	10.9	12.3
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	5.8	6.8	7.9	9.1	10.5
	INDOOR COIL DB TEMP DROP (°F)	17	17	17	17	17	16	16	15	
	1700	LIQUID PRESSURE (PSIG)	194	225	263	306	355	410	471	537
		LIQUID TEMPERATURE (°F)	57	67	77	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	123	133	142	150	156	160	163	164
		SUCTION TEMPERATURE (°F)	70	68	68	67	67	68	68	69
		SUCTION SUPERHEAT (°F)	28	22	18	14	12	11	10	11
OUTDOOR UNIT CURRENT (A)		5.8	6.4	7.0	7.8	8.7	9.7	10.9	12.3	
COMPRESSOR CURRENT (A)		3.9	4.4	5.1	5.8	6.8	7.9	9.1	10.5	
INDOOR COIL DB TEMP DROP (°F)	16	16	16	16	16	15	15	14		

## TCG48B41 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1300	LIQUID PRESSURE (PSIG)	189	220	257	300	350	406	469	537
		LIQUID TEMPERATURE (°F)	56	67	77	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	10	9	9	10	10	11	12	14
		SUCTION PRESSURE (PSIG)	114	118	121	125	128	130	133	135
		SUCTION TEMPERATURE (°F)	54	53	51	52	52	53	54	57
		SUCTION SUPERHEAT (°F)	16	13	10	9	8	8	8	10
		OUTDOOR UNIT CURRENT (A)	2.9	3.1	3.5	3.9	4.4	4.9	5.5	6.3
		COMPRESSOR CURRENT (A)	1.9	2.2	2.5	2.9	3.4	4.0	4.6	5.3
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	24	24	23	22	21	
	1500	LIQUID PRESSURE (PSIG)	189	220	257	300	350	406	469	537
		LIQUID TEMPERATURE (°F)	56	67	77	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	10	9	9	10	10	11	12	14
		SUCTION PRESSURE (PSIG)	116	120	123	127	130	132	135	137
		SUCTION TEMPERATURE (°F)	56	55	53	54	54	55	56	59
		SUCTION SUPERHEAT (°F)	17	14	11	10	9	9	9	11
		OUTDOOR UNIT CURRENT (A)	2.9	3.1	3.5	3.9	4.4	4.9	5.5	6.3
		COMPRESSOR CURRENT (A)	1.9	2.2	2.5	2.9	3.4	4.0	4.6	5.3
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	22	21	20	19	
	1700	LIQUID PRESSURE (PSIG)	189	220	257	300	350	406	469	537
		LIQUID TEMPERATURE (°F)	56	67	77	86	97	107	117	126
		LIQUID SUBCOOLING (°F)	10	9	9	10	10	11	12	14
		SUCTION PRESSURE (PSIG)	118	122	125	129	132	134	137	139
		SUCTION TEMPERATURE (°F)	58	57	55	56	56	57	58	61
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	10	10	12
OUTDOOR UNIT CURRENT (A)		2.9	3.1	3.5	3.9	4.4	4.9	5.5	6.3	
COMPRESSOR CURRENT (A)		1.9	2.2	2.5	2.9	3.4	4.0	4.6	5.3	
INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	20	19	18	17		
80/57	1300	LIQUID PRESSURE (PSIG)	187	218	255	298	349	405	468	537
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	11	12	14
		SUCTION PRESSURE (PSIG)	108	110	113	116	120	124	128	132
		SUCTION TEMPERATURE (°F)	49	48	49	49	51	53	55	58
		SUCTION SUPERHEAT (°F)	14	12	11	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	2.9	3.2	3.5	3.9	4.4	4.9	5.5	6.2
		COMPRESSOR CURRENT (A)	1.9	2.2	2.5	2.9	3.4	4.0	4.6	5.3
	INDOOR COIL DB TEMP DROP (°F)	31	31	30	29	28	27	26	24	
	1500	LIQUID PRESSURE (PSIG)	187	218	255	298	349	405	468	537
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	11	12	14
		SUCTION PRESSURE (PSIG)	113	115	118	121	125	129	133	137
		SUCTION TEMPERATURE (°F)	52	51	51	51	53	55	57	60
		SUCTION SUPERHEAT (°F)	14	12	11	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	2.9	3.2	3.5	3.9	4.4	4.9	5.5	6.2
		COMPRESSOR CURRENT (A)	1.9	2.2	2.5	2.9	3.4	4.0	4.6	5.3
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	26	25	24	22	
	1700	LIQUID PRESSURE (PSIG)	187	218	255	298	349	405	468	537
		LIQUID TEMPERATURE (°F)	58	67	76	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	8	9	9	10	11	12	14
		SUCTION PRESSURE (PSIG)	118	120	123	126	130	134	138	142
		SUCTION TEMPERATURE (°F)	54	53	53	53	55	57	59	62
		SUCTION SUPERHEAT (°F)	14	12	11	10	10	10	11	12
OUTDOOR UNIT CURRENT (A)		2.9	3.2	3.5	3.9	4.4	4.9	5.5	6.2	
COMPRESSOR CURRENT (A)		1.9	2.2	2.5	2.9	3.4	4.0	4.6	5.3	
INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	24	23	22	20		

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## TCG48B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1300	LIQUID PRESSURE (PSIG)	189	221	259	303	353	409	472	540
		LIQUID TEMPERATURE (°F)	57	67	76	87	97	107	116	125
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	12	13	15
		SUCTION PRESSURE (PSIG)	115	119	122	125	127	130	133	135
		SUCTION TEMPERATURE (°F)	56	53	53	52	52	53	55	58
		SUCTION SUPERHEAT (°F)	17	13	11	9	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	2.9	3.2	3.5	3.9	4.4	4.9	5.6	6.2
		COMPRESSOR CURRENT (A)	1.9	2.2	2.5	2.9	3.4	4.0	4.6	5.3
	INDOOR COIL DB TEMP DROP (°F)	29	29	29	28	28	27	26	24	
	1500	LIQUID PRESSURE (PSIG)	189	221	259	303	353	409	472	540
		LIQUID TEMPERATURE (°F)	57	67	76	87	97	107	116	125
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	12	13	15
		SUCTION PRESSURE (PSIG)	118	122	125	128	130	133	136	138
		SUCTION TEMPERATURE (°F)	57	55	54	53	53	54	56	59
		SUCTION SUPERHEAT (°F)	17	13	11	9	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	2.9	3.2	3.5	3.9	4.4	4.9	5.6	6.2
		COMPRESSOR CURRENT (A)	1.9	2.2	2.5	2.9	3.4	4.0	4.6	5.3
	INDOOR COIL DB TEMP DROP (°F)	27	27	27	26	26	25	24	22	
	1700	LIQUID PRESSURE (PSIG)	189	221	259	303	353	409	472	540
		LIQUID TEMPERATURE (°F)	57	67	76	87	97	107	116	125
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	12	13	15
		SUCTION PRESSURE (PSIG)	121	125	128	131	133	136	139	141
		SUCTION TEMPERATURE (°F)	59	57	56	55	55	56	59	61
		SUCTION SUPERHEAT (°F)	18	14	12	10	9	9	10	12
OUTDOOR UNIT CURRENT (A)		2.9	3.2	3.5	3.9	4.4	4.9	5.6	6.2	
COMPRESSOR CURRENT (A)		1.9	2.2	2.5	2.9	3.4	4.0	4.6	5.3	
INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	24	23	22	20		
80/67	1300	LIQUID PRESSURE (PSIG)	192	224	262	305	355	410	472	538
		LIQUID TEMPERATURE (°F)	56	67	77	87	97	108	116	126
		LIQUID SUBCOOLING (°F)	11	10	10	10	11	11	13	14
		SUCTION PRESSURE (PSIG)	119	126	132	137	141	144	146	147
		SUCTION TEMPERATURE (°F)	61	58	57	56	55	57	58	61
		SUCTION SUPERHEAT (°F)	21	15	11	8	6	6	7	9
		OUTDOOR UNIT CURRENT (A)	2.9	3.2	3.5	3.9	4.4	4.9	5.5	6.2
		COMPRESSOR CURRENT (A)	2.0	2.2	2.5	2.9	3.4	4.0	4.6	5.3
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	24	23	22	21	
	1500	LIQUID PRESSURE (PSIG)	192	224	262	305	355	410	472	538
		LIQUID TEMPERATURE (°F)	56	67	77	87	97	108	116	126
		LIQUID SUBCOOLING (°F)	11	10	10	10	11	11	13	14
		SUCTION PRESSURE (PSIG)	121	128	134	139	143	146	148	149
		SUCTION TEMPERATURE (°F)	63	60	59	58	57	58	60	63
		SUCTION SUPERHEAT (°F)	22	16	12	9	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	2.9	3.2	3.5	3.9	4.4	4.9	5.5	6.2
		COMPRESSOR CURRENT (A)	2.0	2.2	2.5	2.9	3.4	4.0	4.6	5.3
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	22	21	20	19	
	1700	LIQUID PRESSURE (PSIG)	192	224	262	305	355	410	472	538
		LIQUID TEMPERATURE (°F)	56	67	77	87	97	108	116	126
		LIQUID SUBCOOLING (°F)	11	10	10	10	11	11	13	14
		SUCTION PRESSURE (PSIG)	123	130	136	141	145	148	150	151
		SUCTION TEMPERATURE (°F)	65	62	60	59	59	60	62	64
		SUCTION SUPERHEAT (°F)	23	17	13	10	8	8	9	11
OUTDOOR UNIT CURRENT (A)		2.9	3.2	3.5	3.9	4.4	4.9	5.5	6.2	
COMPRESSOR CURRENT (A)		2.0	2.2	2.5	2.9	3.4	4.0	4.6	5.3	
INDOOR COIL DB TEMP DROP (°F)	20	20	20	20	20	19	18	17		

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## TCG48B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1300	LIQUID PRESSURE (PSIG)	192	223	261	304	353	408	469	535
		LIQUID TEMPERATURE (°F)	56	67	77	87	98	107	117	126
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	119	129	138	146	152	156	159	160
		SUCTION TEMPERATURE (°F)	66	65	64	63	64	64	64	66
		SUCTION SUPERHEAT (°F)	26	20	16	12	10	9	8	9
		OUTDOOR UNIT CURRENT (A)	2.9	3.2	3.5	3.9	4.4	4.9	5.5	6.2
		COMPRESSOR CURRENT (A)	2.0	2.2	2.5	2.9	3.4	4.0	4.6	5.3
	INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	18	17	17	16	
	1500	LIQUID PRESSURE (PSIG)	193	224	262	305	354	409	470	536
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	108	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	121	131	140	148	154	158	161	162
		SUCTION TEMPERATURE (°F)	68	66	66	65	65	66	66	67
		SUCTION SUPERHEAT (°F)	27	21	17	13	11	10	9	10
		OUTDOOR UNIT CURRENT (A)	2.9	3.2	3.5	3.9	4.4	4.9	5.5	6.2
		COMPRESSOR CURRENT (A)	2.0	2.2	2.5	2.9	3.4	4.0	4.6	5.3
	INDOOR COIL DB TEMP DROP (°F)	17	17	17	17	17	16	16	15	
	1700	LIQUID PRESSURE (PSIG)	194	225	263	306	355	410	471	537
		LIQUID TEMPERATURE (°F)	57	67	77	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	123	133	142	150	156	160	163	164
		SUCTION TEMPERATURE (°F)	70	68	68	67	67	68	68	69
		SUCTION SUPERHEAT (°F)	28	22	18	14	12	11	10	11
OUTDOOR UNIT CURRENT (A)		2.9	3.2	3.5	3.9	4.4	4.9	5.5	6.2	
COMPRESSOR CURRENT (A)		2.0	2.2	2.5	2.9	3.4	4.0	4.6	5.3	
INDOOR COIL DB TEMP DROP (°F)	16	16	16	16	16	15	15	14		

FOR USE WITH MODELS:

TCG60B31

TCG60B41

TCG60B(3,4)1 SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	196(10)	199(11)	199(10)	201(10)
60	209(10)	212(11)	213(10)	215(10)
65	224(10)	228(11)	229(10)	231(10)
70	241(10)	246(11)	247(11)	249(10)
75	261(11)	266(12)	267(12)	269(11)
80	284(11)	288(12)	292(12)	291(11)
85	309(12)	313(13)	317(13)	316(12)
90	336(13)	340(14)	343(14)	342(13)
95	365(13)	370(15)	372(15)	371(13)
100	398(15)	401(16)	404(16)	402(14)
105	432(16)	435(17)	438(17)	435(15)
110	469(17)	472(18)	475(19)	470(17)
115	508(19)	510(20)	514(20)	507(18)
120	550(21)	551(21)	555(22)	547(20)
125	594(23)	594(23)	599(23)	588(21)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## TCG60B31 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1525	LIQUID PRESSURE (PSIG)	201	228	266	313	370	438	516	603
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	117	125
		LIQUID SUBCOOLING (°F)	12	11	11	12	14	17	20	24
		SUCTION PRESSURE (PSIG)	118	120	122	124	126	128	131	134
		SUCTION TEMPERATURE (°F)	51	52	53	54	55	56	58	61
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.3	7.7	8.5	9.6	11.0	12.7	14.7	16.9
		COMPRESSOR CURRENT (A)	5.2	5.7	6.5	7.6	9.0	10.7	12.7	15.0
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	23	22	21	21	
	1725	LIQUID PRESSURE (PSIG)	200	227	265	312	369	437	515	602
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	116	125
		LIQUID SUBCOOLING (°F)	12	11	11	12	14	17	20	24
		SUCTION PRESSURE (PSIG)	121	123	125	127	129	131	134	137
		SUCTION TEMPERATURE (°F)	52	53	54	55	57	57	60	62
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.2	7.7	8.5	9.6	10.9	12.7	14.6	16.9
		COMPRESSOR CURRENT (A)	5.1	5.7	6.5	7.6	8.9	10.7	12.6	15.0
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20	20	
	1925	LIQUID PRESSURE (PSIG)	199	226	264	311	368	436	514	601
		LIQUID TEMPERATURE (°F)	57	66	77	87	97	106	116	125
		LIQUID SUBCOOLING (°F)	12	11	11	12	14	17	20	24
		SUCTION PRESSURE (PSIG)	124	126	128	130	132	134	137	140
		SUCTION TEMPERATURE (°F)	54	54	55	56	58	59	61	63
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
OUTDOOR UNIT CURRENT (A)		7.2	7.6	8.4	9.5	10.9	12.6	14.6	16.8	
COMPRESSOR CURRENT (A)		5.1	5.6	6.4	7.5	8.9	10.6	12.6	14.9	
INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19	19		

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## TCG60B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1525	LIQUID PRESSURE (PSIG)	197	225	262	310	366	433	509	595
		LIQUID TEMPERATURE (°F)	59	67	76	86	97	107	116	125
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	16	19	23
		SUCTION PRESSURE (PSIG)	109	111	114	117	120	124	128	133
		SUCTION TEMPERATURE (°F)	47	48	49	50	53	55	57	60
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.2	7.7	8.5	9.6	10.9	12.7	14.6	16.9
		COMPRESSOR CURRENT (A)	5.1	5.6	6.4	7.5	8.9	10.6	12.6	14.9
	INDOOR COIL DB TEMP DROP (°F)	33	32	31	30	29	28	27	26	
	1725	LIQUID PRESSURE (PSIG)	196	224	261	309	365	432	508	594
		LIQUID TEMPERATURE (°F)	59	67	76	86	97	107	116	125
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	16	19	23
		SUCTION PRESSURE (PSIG)	114	116	119	122	125	129	133	138
		SUCTION TEMPERATURE (°F)	49	50	51	53	55	57	59	62
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.1	7.6	8.5	9.5	10.9	12.7	14.6	16.8
		COMPRESSOR CURRENT (A)	5.0	5.5	6.4	7.4	8.9	10.6	12.6	14.8
	INDOOR COIL DB TEMP DROP (°F)	31	30	29	28	27	26	25	24	
	1925	LIQUID PRESSURE (PSIG)	195	223	260	308	364	431	507	593
		LIQUID TEMPERATURE (°F)	58	67	76	86	97	106	116	125
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	16	19	23
		SUCTION PRESSURE (PSIG)	119	121	124	127	130	134	138	143
		SUCTION TEMPERATURE (°F)	51	52	54	55	57	59	61	64
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.1	7.6	8.4	9.5	10.8	12.6	14.5	16.8
		COMPRESSOR CURRENT (A)	5.0	5.5	6.3	7.4	8.8	10.5	12.5	14.8
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23	22	
	80/62	1525	LIQUID PRESSURE (PSIG)	199	228	266	313	370	435	510
LIQUID TEMPERATURE (°F)			58	67	76	86	96	106	116	125
LIQUID SUBCOOLING (°F)			11	11	12	13	15	17	20	23
SUCTION PRESSURE (PSIG)			119	119	120	122	124	127	131	136
SUCTION TEMPERATURE (°F)			51	52	53	54	55	57	58	61
SUCTION SUPERHEAT (°F)			11	12	12	12	12	13	13	14
OUTDOOR UNIT CURRENT (A)			7.1	7.8	8.6	9.7	10.9	12.6	14.6	16.8
COMPRESSOR CURRENT (A)			5.1	5.7	6.5	7.6	8.9	10.6	12.6	14.8
INDOOR COIL DB TEMP DROP (°F)		29	28	28	27	27	26	25	24	
1725		LIQUID PRESSURE (PSIG)	199	228	266	313	370	435	510	594
		LIQUID TEMPERATURE (°F)	58	67	76	86	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	122	122	123	125	127	130	134	139
		SUCTION TEMPERATURE (°F)	53	54	54	55	56	58	60	63
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	7.1	7.8	8.6	9.7	10.9	12.6	14.6	16.8
		COMPRESSOR CURRENT (A)	5.1	5.7	6.5	7.6	8.9	10.6	12.6	14.8
INDOOR COIL DB TEMP DROP (°F)		28	27	27	26	26	25	24	23	
1925		LIQUID PRESSURE (PSIG)	199	228	266	313	370	435	510	594
		LIQUID TEMPERATURE (°F)	58	67	76	86	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	125	125	126	128	130	133	137	142
		SUCTION TEMPERATURE (°F)	54	55	55	56	57	59	61	64
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	7.1	7.8	8.6	9.7	10.9	12.6	14.6	16.8
		COMPRESSOR CURRENT (A)	5.1	5.7	6.5	7.6	8.9	10.6	12.6	14.8
INDOOR COIL DB TEMP DROP (°F)		27	26	26	25	25	24	23	22	

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## TCG60B31 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1525	LIQUID PRESSURE (PSIG)	199	229	267	315	372	438	514	599
		LIQUID TEMPERATURE (°F)	59	68	76	87	96	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	129	131	134	136	138	140	142	144
		SUCTION TEMPERATURE (°F)	58	56	58	58	59	61	63	65
		SUCTION SUPERHEAT (°F)	13	11	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.3	7.9	8.6	9.7	11.1	12.7	14.6	16.8
		COMPRESSOR CURRENT (A)	5.2	5.8	6.6	7.7	9.1	10.7	12.6	14.8
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	23	22	21	20	
	1725	LIQUID PRESSURE (PSIG)	199	229	267	315	372	438	514	599
		LIQUID TEMPERATURE (°F)	59	68	76	87	96	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	132	134	137	139	141	143	145	147
		SUCTION TEMPERATURE (°F)	59	58	59	60	60	62	64	66
		SUCTION SUPERHEAT (°F)	13	11	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.2	7.8	8.5	9.6	11.0	12.6	14.5	16.7
		COMPRESSOR CURRENT (A)	5.1	5.7	6.5	7.6	9.0	10.6	12.5	14.7
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20	19	
	1925	LIQUID PRESSURE (PSIG)	199	229	267	315	372	438	514	599
		LIQUID TEMPERATURE (°F)	59	68	76	87	96	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	135	137	140	142	144	146	148	150
		SUCTION TEMPERATURE (°F)	60	59	60	61	62	63	65	67
		SUCTION SUPERHEAT (°F)	13	11	11	11	11	12	13	14
OUTDOOR UNIT CURRENT (A)		7.2	7.8	8.5	9.6	10.9	12.6	14.5	16.7	
COMPRESSOR CURRENT (A)		5.1	5.7	6.5	7.6	8.9	10.6	12.5	14.7	
INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19	18		
80/72	1525	LIQUID PRESSURE (PSIG)	201	231	269	316	371	435	507	588
		LIQUID TEMPERATURE (°F)	60	69	78	88	98	108	117	126
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	15	18	21
		SUCTION PRESSURE (PSIG)	138	141	145	148	151	154	156	159
		SUCTION TEMPERATURE (°F)	64	63	64	64	65	66	67	69
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	7.3	7.8	8.6	9.6	11.0	12.5	14.3	16.3
		COMPRESSOR CURRENT (A)	5.2	5.8	6.5	7.6	8.9	10.5	12.4	14.4
	INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	18	17	16	
	1725	LIQUID PRESSURE (PSIG)	201	231	269	316	371	435	507	588
		LIQUID TEMPERATURE (°F)	60	69	78	88	98	108	117	126
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	15	18	21
		SUCTION PRESSURE (PSIG)	140	143	147	150	153	156	158	161
		SUCTION TEMPERATURE (°F)	65	64	65	65	66	67	68	70
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	7.3	7.8	8.6	9.6	11.0	12.5	14.3	16.3
		COMPRESSOR CURRENT (A)	5.2	5.8	6.5	7.6	8.9	10.5	12.4	14.4
	INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	17	16	15	
	1925	LIQUID PRESSURE (PSIG)	201	231	269	316	371	435	507	588
		LIQUID TEMPERATURE (°F)	60	69	78	88	98	108	117	126
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	15	18	21
		SUCTION PRESSURE (PSIG)	142	145	149	152	155	158	160	163
		SUCTION TEMPERATURE (°F)	66	65	66	66	67	68	69	71
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	12	12	13
OUTDOOR UNIT CURRENT (A)		7.3	7.8	8.6	9.6	11.0	12.5	14.3	16.3	
COMPRESSOR CURRENT (A)		5.2	5.8	6.5	7.6	8.9	10.5	12.4	14.4	
INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	16	16	15	14		

## TCG60B41 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1525	LIQUID PRESSURE (PSIG)	201	228	266	313	370	438	516	603
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	117	125
		LIQUID SUBCOOLING (°F)	12	11	11	12	14	17	20	24
		SUCTION PRESSURE (PSIG)	118	120	122	124	126	128	131	134
		SUCTION TEMPERATURE (°F)	51	52	53	54	55	56	58	61
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	3.6	3.9	4.3	4.8	5.5	6.4	7.4	8.5
		COMPRESSOR CURRENT (A)	2.6	2.9	3.3	3.8	4.5	5.4	6.4	7.5
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	23	22	21	21	
	1725	LIQUID PRESSURE (PSIG)	200	227	265	312	369	437	515	602
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	116	125
		LIQUID SUBCOOLING (°F)	12	11	11	12	14	17	20	24
		SUCTION PRESSURE (PSIG)	121	123	125	127	129	131	134	137
		SUCTION TEMPERATURE (°F)	52	53	54	55	57	57	60	62
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	3.6	3.8	4.2	4.8	5.5	6.3	7.3	8.4
		COMPRESSOR CURRENT (A)	2.6	2.8	3.2	3.8	4.5	5.3	6.3	7.5
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20	20	
	1925	LIQUID PRESSURE (PSIG)	199	226	264	311	368	436	514	601
		LIQUID TEMPERATURE (°F)	57	66	77	87	97	106	116	125
		LIQUID SUBCOOLING (°F)	12	11	11	12	14	17	20	24
		SUCTION PRESSURE (PSIG)	124	126	128	130	132	134	137	140
		SUCTION TEMPERATURE (°F)	54	54	55	56	58	59	61	63
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	3.6	3.8	4.2	4.8	5.4	6.3	7.3	8.4
		COMPRESSOR CURRENT (A)	2.5	2.8	3.2	3.8	4.4	5.3	6.3	7.4
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19	19	
	80/57	1525	LIQUID PRESSURE (PSIG)	197	225	262	310	366	433	509
LIQUID TEMPERATURE (°F)			59	67	76	86	97	107	116	125
LIQUID SUBCOOLING (°F)			10	10	11	12	13	16	19	23
SUCTION PRESSURE (PSIG)			109	111	114	117	120	124	128	133
SUCTION TEMPERATURE (°F)			47	48	49	50	53	55	57	60
SUCTION SUPERHEAT (°F)			11	11	11	11	12	12	13	14
OUTDOOR UNIT CURRENT (A)			3.6	3.9	4.3	4.8	5.5	6.4	7.3	8.4
COMPRESSOR CURRENT (A)			2.5	2.8	3.2	3.8	4.5	5.3	6.3	7.4
INDOOR COIL DB TEMP DROP (°F)		33	32	31	30	29	28	27	26	
1725		LIQUID PRESSURE (PSIG)	196	224	261	309	365	432	508	594
		LIQUID TEMPERATURE (°F)	59	67	76	86	97	107	116	125
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	16	19	23
		SUCTION PRESSURE (PSIG)	114	116	119	122	125	129	133	138
		SUCTION TEMPERATURE (°F)	49	50	51	53	55	57	59	62
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	3.6	3.8	4.2	4.8	5.4	6.3	7.3	8.4
		COMPRESSOR CURRENT (A)	2.5	2.8	3.2	3.7	4.4	5.3	6.3	7.4
INDOOR COIL DB TEMP DROP (°F)		31	30	29	28	27	26	25	24	
1925		LIQUID PRESSURE (PSIG)	195	223	260	308	364	431	507	593
		LIQUID TEMPERATURE (°F)	58	67	76	86	97	106	116	125
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	16	19	23
		SUCTION PRESSURE (PSIG)	119	121	124	127	130	134	138	143
		SUCTION TEMPERATURE (°F)	51	52	54	55	57	59	61	64
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	3.5	3.8	4.2	4.7	5.4	6.3	7.3	8.4
		COMPRESSOR CURRENT (A)	2.5	2.7	3.1	3.7	4.4	5.3	6.3	7.4
INDOOR COIL DB TEMP DROP (°F)		29	28	27	26	25	24	23	22	

Continued on next page.

## TCG60B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1525	LIQUID PRESSURE (PSIG)	199	228	266	313	370	435	510	594
		LIQUID TEMPERATURE (°F)	58	67	76	86	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	119	119	120	122	124	127	131	136
		SUCTION TEMPERATURE (°F)	51	52	53	54	55	57	58	61
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	3.6	3.9	4.3	4.8	5.5	6.3	7.3	8.4
		COMPRESSOR CURRENT (A)	2.6	2.8	3.2	3.8	4.5	5.3	6.3	7.4
	INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	27	26	25	24	
	1725	LIQUID PRESSURE (PSIG)	199	228	266	313	370	435	510	594
		LIQUID TEMPERATURE (°F)	58	67	76	86	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	122	122	123	125	127	130	134	139
		SUCTION TEMPERATURE (°F)	53	54	54	55	56	58	60	63
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	3.6	3.9	4.3	4.8	5.5	6.3	7.3	8.4
		COMPRESSOR CURRENT (A)	2.6	2.8	3.2	3.8	4.5	5.3	6.3	7.4
	INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	26	25	24	23	
	1925	LIQUID PRESSURE (PSIG)	199	228	266	313	370	435	510	594
		LIQUID TEMPERATURE (°F)	58	67	76	86	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	125	125	126	128	130	133	137	142
		SUCTION TEMPERATURE (°F)	54	55	55	56	57	59	61	64
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	13	13	14
OUTDOOR UNIT CURRENT (A)		3.6	3.9	4.3	4.8	5.5	6.3	7.3	8.4	
COMPRESSOR CURRENT (A)		2.6	2.8	3.2	3.8	4.5	5.3	6.3	7.4	
INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	25	24	23	22		
80/67	1525	LIQUID PRESSURE (PSIG)	199	229	267	315	372	438	514	599
		LIQUID TEMPERATURE (°F)	59	68	76	87	96	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	129	131	134	136	138	140	142	144
		SUCTION TEMPERATURE (°F)	58	56	58	58	59	61	63	65
		SUCTION SUPERHEAT (°F)	13	11	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	3.6	3.9	4.3	4.8	5.5	6.3	7.3	8.4
		COMPRESSOR CURRENT (A)	2.6	2.9	3.3	3.8	4.5	5.3	6.3	7.4
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	23	22	21	20	
	1725	LIQUID PRESSURE (PSIG)	199	229	267	315	372	438	514	599
		LIQUID TEMPERATURE (°F)	59	68	76	87	96	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	132	134	137	139	141	143	145	147
		SUCTION TEMPERATURE (°F)	59	58	59	60	60	62	64	66
		SUCTION SUPERHEAT (°F)	13	11	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	3.6	3.9	4.3	4.8	5.5	6.3	7.3	8.4
		COMPRESSOR CURRENT (A)	2.6	2.9	3.3	3.8	4.5	5.3	6.3	7.4
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20	19	
	1925	LIQUID PRESSURE (PSIG)	199	229	267	315	372	438	514	599
		LIQUID TEMPERATURE (°F)	59	68	76	87	96	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	12	13	15	17	20	23
		SUCTION PRESSURE (PSIG)	135	137	140	142	144	146	148	150
		SUCTION TEMPERATURE (°F)	60	59	60	61	62	63	65	67
		SUCTION SUPERHEAT (°F)	13	11	11	11	11	12	13	14
OUTDOOR UNIT CURRENT (A)		3.6	3.9	4.2	4.8	5.5	6.3	7.2	8.3	
COMPRESSOR CURRENT (A)		2.5	2.8	3.2	3.8	4.5	5.3	6.2	7.3	
INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19	18		

## TCG60B41 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1525	LIQUID PRESSURE (PSIG)	201	231	269	316	371	435	507	588
		LIQUID TEMPERATURE (°F)	60	69	78	88	98	108	117	126
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	15	18	21
		SUCTION PRESSURE (PSIG)	138	141	145	148	151	154	156	159
		SUCTION TEMPERATURE (°F)	64	63	64	64	65	66	67	69
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	3.6	3.9	4.3	4.8	5.5	6.3	7.1	8.2
		COMPRESSOR CURRENT (A)	2.6	2.9	3.3	3.8	4.4	5.3	6.2	7.2
	INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	18	17	16	
	1725	LIQUID PRESSURE (PSIG)	201	231	269	316	371	435	507	588
		LIQUID TEMPERATURE (°F)	60	69	78	88	98	108	117	126
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	15	18	21
		SUCTION PRESSURE (PSIG)	140	143	147	150	153	156	158	161
		SUCTION TEMPERATURE (°F)	65	64	65	65	66	67	68	70
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	3.6	3.9	4.3	4.8	5.5	6.3	7.1	8.2
		COMPRESSOR CURRENT (A)	2.6	2.9	3.3	3.8	4.4	5.3	6.2	7.2
	INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	17	16	15	
	1925	LIQUID PRESSURE (PSIG)	201	231	269	316	371	435	507	588
		LIQUID TEMPERATURE (°F)	60	69	78	88	98	108	117	126
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	15	18	21
		SUCTION PRESSURE (PSIG)	142	145	149	152	155	158	160	163
		SUCTION TEMPERATURE (°F)	66	65	66	66	67	68	69	71
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	12	12	13
OUTDOOR UNIT CURRENT (A)		3.6	3.9	4.3	4.8	5.5	6.3	7.1	8.2	
COMPRESSOR CURRENT (A)		2.6	2.9	3.3	3.8	4.4	5.3	6.2	7.2	
INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	16	16	15	14		



FOR USE WITH MODELS:  
**GAW14L18B2(1,2)S**

<b>GAW14L18B2(1,2)S CHARGING CHART</b>				
<b>OUTDOOR AMBIENT DB (°F)</b>	<b>INDOOR WET BULB (°F) AT 80°F DRY BULB</b>			
	<b>57</b>	<b>62</b>	<b>67</b>	<b>72</b>
	<b>PRESSURE (PSIG) AT LIQUID BASE VALVE</b>			
55	119	121	122	123
60	131	133	134	135
65	144	146	147	148
70	156	158	159	160
75	169	171	172	173
80	184	186	187	189
85	200	201	203	205
90	216	216	219	221
95	232	232	232	237
100	257	251	254	256
105	282	271	274	275
110	307	290	293	294
115	332	310	312	314
120	357	329	331	333
125	383	349	351	352

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**GAW14L18B2(1,2)S W/ NOMINAL COIL**

<b>ID DB / ID WB (°F)</b>	<b>ID AIRFLOW (SCFM)</b>	<b>OUTDOOR TEMPERATURE DB (°F)</b>	<b>COOLING SERVICE DATA</b>							
			<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>	<b>95</b>	<b>105</b>	<b>115</b>	<b>125</b>
75/62	450	LIQUID PRESSURE (PSIG)	122	146	169	201	232	271	310	349
		LIQUID TEMPERATURE (°F)	58	67	77	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	4	4	4	4	5	5	6	6
		SUCTION PRESSURE (PSIG)	69	70	71	73	75	78	80	83
		SUCTION TEMPERATURE (°F)	53	54	55	57	60	62	64	66
		SUCTION SUPERHEAT (°F)	9	9	9	10	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	3.9	4.3	4.7	5.2	5.8	6.5	7.2	7.9
		COMPRESSOR CURRENT (A)	3.1	3.5	3.9	4.5	5	5.7	6.4	7.1
		INDOOR COIL TEMP DROP (°F)	26	25	24	23	23	22	21	20
	600	LIQUID PRESSURE (PSIG)	121	144	167	199	230	268	306	344
		LIQUID TEMPERATURE (°F)	58	67	76	86	95	105	115	125
		LIQUID SUBCOOLING (°F)	3	3	3	4	5	5	6	6
		SUCTION PRESSURE (PSIG)	76	77	78	80	82	84	87	89
		SUCTION TEMPERATURE (°F)	58	59	60	62	64	66	68	70
		SUCTION SUPERHEAT (°F)	7	7	7	7	8	8	8	8
		OUTDOOR UNIT CURRENT (A)	3.0	4.0	5.0	5.0	6.0	7.0	7.0	8.0
		COMPRESSOR CURRENT (A)	1.0	2.0	3.0	3.0	4.0	4.0	5.0	6.0
		INDOOR COIL TEMP DROP (°F)	21	21	21	20	20	19	19	18
	750	LIQUID PRESSURE (PSIG)	122	147	171	203	234	273	311	350
		LIQUID TEMPERATURE (°F)	58	68	78	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	3	3	3	5	6	6	6	6
		SUCTION PRESSURE (PSIG)	79	80	81	82	84	86	88	91
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	65	67	68
		SUCTION SUPERHEAT (°F)	6	6	5	5	5	4	4	4
OUTDOOR UNIT CURRENT (A)		3.9	4.3	4.7	5.2	5.7	6.4	7.2	7.9	
COMPRESSOR CURRENT (A)		3.1	3.5	3.9	4.4	5	5.7	6.4	7.1	
INDOOR COIL TEMP DROP (°F)		20	20	19	19	18	18	17	17	

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## GAW14L18B2(1,2)S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1800	LIQUID PRESSURE (PSIG)	121	145	170	201	232	271	310	349
		LIQUID TEMPERATURE (°F)	58	67	77	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	3	3	4	4	5	5	6	6
		SUCTION PRESSURE (PSIG)	69	70	70	73	75	77	79	81
		SUCTION TEMPERATURE (°F)	53	54	55	59	62	65	68	71
		SUCTION SUPERHEAT (°F)	9	9	10	12	14	15	17	19
		OUTDOOR UNIT CURRENT (A)	3.9	4.3	4.7	5.2	5.7	6.5	7.2	7.9
		COMPRESSOR CURRENT (A)	3.1	3.5	3.9	4.4	5	5.7	6.4	7.1
	INDOOR COIL TEMP DROP (°F)	30	29	28	28	28	27	26	26	
	1900	LIQUID PRESSURE (PSIG)	120	144	168	198	229	267	305	344
		LIQUID TEMPERATURE (°F)	57	67	77	86	96	105	115	124
		LIQUID SUBCOOLING (°F)	2	3	3	3	4	5	6	6
		SUCTION PRESSURE (PSIG)	77	78	79	81	84	85	87	88
		SUCTION TEMPERATURE (°F)	59	60	61	64	67	70	73	75
		SUCTION SUPERHEAT (°F)	8	8	9	11	12	14	16	18
		OUTDOOR UNIT CURRENT (A)	4.2	4.6	5.0	5.6	6.1	6.9	7.7	8.5
		COMPRESSOR CURRENT (A)	2.5	2.9	3.3	3.7	4.1	4.7	5.4	6.0
	INDOOR COIL TEMP DROP (°F)	27	26	25	25	24	24	23	23	
	2200	LIQUID PRESSURE (PSIG)	121	146	171	202	233	271	310	349
		LIQUID TEMPERATURE (°F)	59	68	78	88	98	107	116	125
		LIQUID SUBCOOLING (°F)	2	3	3	3	4	5	6	7
		SUCTION PRESSURE (PSIG)	80	81	83	85	87	88	90	91
		SUCTION TEMPERATURE (°F)	59	60	62	64	66	69	71	74
		SUCTION SUPERHEAT (°F)	7	8	9	10	11	13	15	17
		OUTDOOR UNIT CURRENT (A)	3.9	4.3	4.6	5.2	5.7	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.1	3.5	3.9	4.4	4.9	5.6	6.3	7.1
	INDOOR COIL TEMP DROP (°F)	25	24	24	23	22	22	21	21	
	80/67	1800	LIQUID PRESSURE (PSIG)	122	146	171	202	234	273	311
LIQUID TEMPERATURE (°F)			58	68	77	87	96	106	116	126
LIQUID SUBCOOLING (°F)			3	3	2	4	5	6	6	7
SUCTION PRESSURE (PSIG)			85	87	88	90	92	94	96	97
SUCTION TEMPERATURE (°F)			62	63	64	65	66	67	68	69
SUCTION SUPERHEAT (°F)			7	8	8	8	8	8	9	9
OUTDOOR UNIT CURRENT (A)			3.9	4.3	4.6	5.2	5.7	6.4	7.1	7.8
COMPRESSOR CURRENT (A)			3.1	3.5	3.8	4.4	4.9	5.6	6.4	7.1
INDOOR COIL TEMP DROP (°F)		21	21	20	19	18	18	18	18	
1900		LIQUID PRESSURE (PSIG)	121	145	169	200	231	269	307	345
		LIQUID TEMPERATURE (°F)	57	67	77	86	95	105	115	124
		LIQUID SUBCOOLING (°F)	3	3	2	4	5	6	6	7
		SUCTION PRESSURE (PSIG)	84	85	86	88	90	92	94	96
		SUCTION TEMPERATURE (°F)	62	63	64	65	67	68	70	71
		SUCTION SUPERHEAT (°F)	7	7	7	7	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	4.2	4.6	5.0	5.6	6.2	6.9	7.7	8.5
		COMPRESSOR CURRENT (A)	2.6	2.9	3.2	3.7	4.2	4.8	5.4	6.0
INDOOR COIL TEMP DROP (°F)		22	22	22	21	20	20	19	19	
2200		LIQUID PRESSURE (PSIG)	123	147	172	204	236	274	313	352
		LIQUID TEMPERATURE (°F)	59	69	79	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	3	3	3	5	6	6	7	7
		SUCTION PRESSURE (PSIG)	87	88	89	91	92	94	96	98
		SUCTION TEMPERATURE (°F)	63	63	64	64	65	67	68	69
		SUCTION SUPERHEAT (°F)	8	7	7	7	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	3.9	4.3	4.6	5.2	5.7	6.4	7.1	7.9
		COMPRESSOR CURRENT (A)	3.1	3.5	3.8	4.4	4.9	5.6	6.4	7.1
INDOOR COIL TEMP DROP (°F)		20	20	20	19	19	18	18	17	

Continued on next page.

## GAW14L18B2(1,2)S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1800	LIQUID PRESSURE (PSIG)	123	147	171	203	234	273	312	351
		LIQUID TEMPERATURE (°F)	58	69	79	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	3	3	2	4	5	6	6	7
		SUCTION PRESSURE (PSIG)	85	87	88	90	92	94	96	97
		SUCTION TEMPERATURE (°F)	62	63	64	65	66	67	68	69
		SUCTION SUPERHEAT (°F)	7	8	8	8	8	8	9	9
		OUTDOOR UNIT CURRENT (A)	3.9	4.3	4.6	5.2	5.7	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.1	3.5	3.8	4.4	4.9	5.6	6.4	7.1
	INDOOR COIL TEMP DROP (°F)	21	21	20	19	18	18	18	18	
	1900	LIQUID PRESSURE (PSIG)	122	146	170	201	233	271	309	347
		LIQUID TEMPERATURE (°F)	58	68	78	87	96	106	115	124
		LIQUID SUBCOOLING (°F)	3	3	2	4	5	6	6	7
		SUCTION PRESSURE (PSIG)	92	94	96	98	100	101	102	103
		SUCTION TEMPERATURE (°F)	67	68	69	70	71	72	73	74
		SUCTION SUPERHEAT (°F)	8	8	7	7	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	4.2	4.6	5.0	5.6	6.1	6.9	7.7	8.5
		COMPRESSOR CURRENT (A)	2.6	2.9	3.2	3.7	4.1	4.7	5.4	6.0
	INDOOR COIL TEMP DROP (°F)	17	17	17	16	16	16	15	15	
	2200	LIQUID PRESSURE (PSIG)	123	149	174	206	239	277	316	354
		LIQUID TEMPERATURE (°F)	59	69	79	89	98	107	116	125
		LIQUID SUBCOOLING (°F)	3	3	3	4	5	6	7	8
		SUCTION PRESSURE (PSIG)	94	96	99	100	102	102	103	104
		SUCTION TEMPERATURE (°F)	67	68	68	69	71	71	72	72
		SUCTION SUPERHEAT (°F)	9	8	7	7	8	8	8	9
OUTDOOR UNIT CURRENT (A)		3.9	4.3	4.6	5.2	5.7	6.4	7.1	7.9	
COMPRESSOR CURRENT (A)		3.1	3.4	3.8	4.4	4.9	5.6	6.4	7.1	
INDOOR COIL TEMP DROP (°F)	16	15	15	15	15	14	14	13		

FOR USE WITH MODELS:  
**GAW14L24C2(1,2)S**

GAW14L24C2(1,2)S CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AT LIQUID BASE VALVE			
55	127	127	128	130
60	140	140	141	143
65	154	154	155	157
70	167	168	168	170
75	181	182	181	183
80	199	200	198	200
85	217	218	216	217
90	235	236	233	233
95	242	244	245	246
100	276	278	278	278
105	300	301	301	301
110	324	324	326	326
115	348	348	351	351
120	371	371	376	376
125	395	395	402	402

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**GAW14L24C2(1,2)S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	127	153	180	218	255	300	345	390
		LIQUID TEMPERATURE (°F)	57	68	78	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	6	6	7	8	10	11	12	14
		SUCTION PRESSURE (PSIG)	65	67	68	68	67	71	75	79
		SUCTION TEMPERATURE (°F)	54	55	56	59	62	64	66	68
		SUCTION SUPERHEAT (°F)	12	12	12	16	19	18	18	17
		OUTDOOR UNIT CURRENT (A)	5	5.6	6.2	7.2	8.2	9.4	10.6	11.8
		COMPRESSOR CURRENT (A)	4.2	4.8	5.4	6.4	7.4	8.6	9.8	11.1
	INDOOR COIL TEMP DROP (°F)	24	24	23	22	20	20	20	19	
	1000	LIQUID PRESSURE (PSIG)	125	151	177	213	248	295	342	389
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	115	125
		LIQUID SUBCOOLING (°F)	6	6	7	8	9	11	13	15
		SUCTION PRESSURE (PSIG)	69	71	73	73	73	75	77	78
		SUCTION TEMPERATURE (°F)	56	57	58	60	62	64	66	69
		SUCTION SUPERHEAT (°F)	9	9	9	10	12	11	10	10
		OUTDOOR UNIT CURRENT (A)	4.0	5.0	6.0	6.0	7.0	9.0	10.0	11.0
		COMPRESSOR CURRENT (A)	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
	INDOOR COIL TEMP DROP (°F)	21	21	21	20	19	18	17	16	
	1200	LIQUID PRESSURE (PSIG)	127	154	181	215	249	300	350	401
		LIQUID TEMPERATURE (°F)	57	67	77	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	7	7	7	8	8	11	14	17
		SUCTION PRESSURE (PSIG)	73	75	77	78	79	78	77	77
		SUCTION TEMPERATURE (°F)	58	59	60	61	62	65	68	71
		SUCTION SUPERHEAT (°F)	6	6	6	5	5	4	3	3
OUTDOOR UNIT CURRENT (A)		5	5.6	6.2	7.1	7.9	9.3	10.8	12.2	
COMPRESSOR CURRENT (A)		4.1	4.8	5.4	6.3	7.1	8.6	10	11.4	
INDOOR COIL TEMP DROP (°F)	18	18	18	18	17	16	15	14		

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## GAW14L24C2(1,2)S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	800	LIQUID PRESSURE (PSIG)	127	154	182	218	254	300	346	392
		LIQUID TEMPERATURE (°F)	57	68	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	6	7	7	9	10	11	13	14
		SUCTION PRESSURE (PSIG)	67	66	65	68	70	73	76	80
		SUCTION TEMPERATURE (°F)	54	56	58	61	64	66	68	70
		SUCTION SUPERHEAT (°F)	11	14	16	18	19	19	19	19
		OUTDOOR UNIT CURRENT (A)	5	5.7	6.3	7.2	8.1	9.4	10.7	11.9
		COMPRESSOR CURRENT (A)	4.2	4.9	5.5	6.4	7.3	8.6	9.9	11.1
	INDOOR COIL TEMP DROP (°F)	28	26	24	23	23	23	23	23	
	1000	LIQUID PRESSURE (PSIG)	125	152	179	215	251	296	341	386
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	6	7	7	9	10	11	13	14
		SUCTION PRESSURE (PSIG)	71	71	71	72	73	76	80	83
		SUCTION TEMPERATURE (°F)	57	58	59	62	64	66	68	71
		SUCTION SUPERHEAT (°F)	10	12	14	16	18	18	18	19
		OUTDOOR UNIT CURRENT (A)	4.9	5.5	6.1	7.0	7.9	9.1	10.3	11.6
		COMPRESSOR CURRENT (A)	4.1	4.7	5.3	6.2	7.1	8.3	9.5	10.8
	INDOOR COIL TEMP DROP (°F)	24	23	22	21	20	20	20	20	
	1200	LIQUID PRESSURE (PSIG)	128	155	181	218	255	301	347	392
		LIQUID TEMPERATURE (°F)	57	67	77	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	7	7	7	9	10	11	13	14
		SUCTION PRESSURE (PSIG)	76	76	75	75	75	79	82	85
		SUCTION TEMPERATURE (°F)	59	60	61	63	65	68	70	73
		SUCTION SUPERHEAT (°F)	10	11	12	15	17	17	18	19
		OUTDOOR UNIT CURRENT (A)	5	5.6	6.2	7.2	8.1	9.3	10.6	11.9
		COMPRESSOR CURRENT (A)	4.2	4.8	5.4	6.4	7.3	8.6	9.8	11.1
	INDOOR COIL TEMP DROP (°F)	23	21	20	19	18	18	18	18	
	80/67	800	LIQUID PRESSURE (PSIG)	128	154	181	215	250	301	352
LIQUID TEMPERATURE (°F)			57	67	77	87	98	108	118	128
LIQUID SUBCOOLING (°F)			8	8	8	8	8	10	12	13
SUCTION PRESSURE (PSIG)			82	84	86	88	90	91	92	93
SUCTION TEMPERATURE (°F)			63	64	65	67	68	70	72	74
SUCTION SUPERHEAT (°F)			10	10	11	11	11	13	14	16
OUTDOOR UNIT CURRENT (A)			4.9	5.6	6.2	7	7.8	9.1	10.4	11.7
COMPRESSOR CURRENT (A)			4.1	4.7	5.4	6.2	7	8.3	9.6	10.9
INDOOR COIL TEMP DROP (°F)		19	18	18	17	17	16	15	15	
1000		LIQUID PRESSURE (PSIG)	125	152	179	212	246	296	346	396
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	7	7	8	8	8	10	13	14
		SUCTION PRESSURE (PSIG)	78	80	82	84	85	84	84	84
		SUCTION TEMPERATURE (°F)	60	61	62	63	65	68	71	74
		SUCTION SUPERHEAT (°F)	10	10	10	11	11	13	16	18
		OUTDOOR UNIT CURRENT (A)	4.8	5.4	6.0	6.8	7.7	9.1	10.4	11.8
		COMPRESSOR CURRENT (A)	4.0	4.6	5.2	6.0	6.9	8.3	9.6	11.0
INDOOR COIL TEMP DROP (°F)		22	21	20	20	19	18	16	15	
1200		LIQUID PRESSURE (PSIG)	129	155	182	216	250	300	350	401
		LIQUID TEMPERATURE (°F)	57	67	78	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	7	7	8	8	9	11	14	16
		SUCTION PRESSURE (PSIG)	82	84	86	87	88	87	86	85
		SUCTION TEMPERATURE (°F)	62	63	64	65	67	69	72	75
		SUCTION SUPERHEAT (°F)	10	10	10	11	11	14	18	21
		OUTDOOR UNIT CURRENT (A)	5	5.6	6.2	7	7.9	9.3	10.7	12.1
		COMPRESSOR CURRENT (A)	4.1	4.8	5.4	6.2	7.1	8.5	9.9	11.3
INDOOR COIL TEMP DROP (°F)		18	18	18	17	17	15	14	12	

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## GAW14L24C2(1,2)S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	800	LIQUID PRESSURE (PSIG)	129	156	183	216	250	296	343	389
		LIQUID TEMPERATURE (°F)	57	67	77	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	10	12	13
		SUCTION PRESSURE (PSIG)	82	84	86	88	90	91	92	93
		SUCTION TEMPERATURE (°F)	63	64	65	67	68	70	72	74
		SUCTION SUPERHEAT (°F)	10	10	11	11	11	13	14	16
		OUTDOOR UNIT CURRENT (A)	4.9	5.6	6.2	7	7.8	9.1	10.4	11.7
		COMPRESSOR CURRENT (A)	4.1	4.7	5.4	6.2	7	8.3	9.6	10.9
	INDOOR COIL TEMP DROP (°F)	19	18	18	17	17	16	15	15	
	1000	LIQUID PRESSURE (PSIG)	127	154	181	213	246	291	336	381
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	10	11	13
		SUCTION PRESSURE (PSIG)	84	87	90	92	94	94	95	96
		SUCTION TEMPERATURE (°F)	64	65	66	67	69	70	72	74
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	4.8	5.4	6.0	6.8	7.6	8.8	10.0	11.3
		COMPRESSOR CURRENT (A)	4.0	4.6	5.2	6.0	6.8	8.0	9.3	10.5
	INDOOR COIL TEMP DROP (°F)	16	16	16	15	15	14	14	13	
	1200	LIQUID PRESSURE (PSIG)	130	157	184	218	251	296	340	385
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	108	118	128
		LIQUID SUBCOOLING (°F)	8	8	9	9	9	10	11	13
		SUCTION PRESSURE (PSIG)	88	90	92	94	96	97	98	99
		SUCTION TEMPERATURE (°F)	66	67	68	69	71	72	73	75
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	12	13	13
OUTDOOR UNIT CURRENT (A)		5	5.6	6.2	7	7.8	9	10.3	11.5	
COMPRESSOR CURRENT (A)		4.1	4.8	5.4	6.2	7	8.3	9.5	10.7	
INDOOR COIL TEMP DROP (°F)	14	14	14	13	13	13	12	12		

FOR USE WITH MODELS:  
**GAW14L30C2(1,2)S**

GAW14L30C2(1,2)S CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AT LIQUID BASE VALVE			
55	133	134	135	137
60	146	147	148	151
65	160	161	162	165
70	173	174	175	178
75	187	187	188	192
80	205	205	205	209
85	223	223	223	227
90	240	240	240	245
95	244	246	248	249
100	281	282	282	285
105	304	306	306	308
110	327	329	330	330
115	351	353	355	355
120	374	376	379	379
125	397	400	403	403

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**GAW14L30C2(1,2)S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	134	162	189	226	262	309	357	404
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	11	12	13	14	15	17
		SUCTION PRESSURE (PSIG)	68	69	70	70	70	72	74	76
		SUCTION TEMPERATURE (°F)	54	55	55	57	59	61	63	64
		SUCTION SUPERHEAT (°F)	10	10	10	12	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	5.9	6.7	7.5	8.6	9.7	11.2	12.7	14.2
		COMPRESSOR CURRENT (A)	5.5	6.2	7	8	9.1	10.6	12.2	13.7
	INDOOR COIL TEMP DROP (°F)	24	23	22	21	19	19	19	18	
	1000	LIQUID PRESSURE (PSIG)	130	156	182	217	252	298	344	391
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	14	15	17
		SUCTION PRESSURE (PSIG)	70	72	74	73	73	75	76	77
		SUCTION TEMPERATURE (°F)	55	56	57	59	60	62	64	65
		SUCTION SUPERHEAT (°F)	9	9	8	9	10	10	10	9
		OUTDOOR UNIT CURRENT (A)	5.0	6.0	7.0	8.0	9.0	10.0	12.0	13.0
		COMPRESSOR CURRENT (A)	6.0	6.0	6.0	7.0	8.0	10.0	11.0	13.0
	INDOOR COIL TEMP DROP (°F)	20	20	20	19	17	17	16	16	
	1200	LIQUID PRESSURE (PSIG)	135	162	189	225	260	310	359	408
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	128
		LIQUID SUBCOOLING (°F)	10	10	11	11	12	14	16	17
		SUCTION PRESSURE (PSIG)	74	76	77	77	77	77	78	79
		SUCTION TEMPERATURE (°F)	58	58	59	60	62	63	65	66
		SUCTION SUPERHEAT (°F)	8	8	7	7	6	5	5	4
OUTDOOR UNIT CURRENT (A)		5.9	6.7	7.4	8.5	9.5	11.1	12.7	14.3	
COMPRESSOR CURRENT (A)		5.4	6.2	6.9	7.9	9	10.6	12.2	13.8	
INDOOR COIL TEMP DROP (°F)	19	19	18	17	16	16	15	14		

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## GAW14L30C2(1,2)S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	800	LIQUID PRESSURE (PSIG)	133	66	0	129	258	306	354	401
		LIQUID TEMPERATURE (°F)	57	28	0	48	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	12	13	15	17
		SUCTION PRESSURE (PSIG)	69	34	0	35	71	73	75	77
		SUCTION TEMPERATURE (°F)	55	27	0	30	60	62	64	65
		SUCTION SUPERHEAT (°F)	10	5	0	7	14	15	15	16
		OUTDOOR UNIT CURRENT (A)	5.9	2.9	0	4.8	9.6	11.1	12.6	14.1
		COMPRESSOR CURRENT (A)	5.4	2.7	0	4.5	9.1	10.6	12.1	13.6
	INDOOR COIL TEMP DROP (°F)	28	14	0	12	24	23	22	22	
	1000	LIQUID PRESSURE (PSIG)	130	110	90	170	249	294	340	385
		LIQUID TEMPERATURE (°F)	56	47	38	67	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	12	13	15	16
		SUCTION PRESSURE (PSIG)	73	56	39	57	75	77	78	80
		SUCTION TEMPERATURE (°F)	57	43	29	45	61	63	65	66
		SUCTION SUPERHEAT (°F)	10	7	4	8	13	14	14	15
		OUTDOOR UNIT CURRENT (A)	5.6	4.6	3.6	6.4	9.3	10.7	12.2	13.6
		COMPRESSOR CURRENT (A)	5.3	4.3	3.3	6.0	8.7	10.2	11.6	13.1
	INDOOR COIL TEMP DROP (°F)	26	18	10	16	21	21	20	19	
	1200	LIQUID PRESSURE (PSIG)	134	161	188	223	258	305	352	399
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	10	11	12	13	15	16
		SUCTION PRESSURE (PSIG)	76	78	79	79	79	81	82	84
		SUCTION TEMPERATURE (°F)	59	59	59	61	63	64	66	67
		SUCTION SUPERHEAT (°F)	10	9	9	10	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	5.9	6.6	7.4	8.4	9.5	11	12.4	13.9
		COMPRESSOR CURRENT (A)	5.4	6.1	6.9	7.9	9	10.4	11.9	13.4
	INDOOR COIL TEMP DROP (°F)	23	23	22	21	20	19	18	17	
	80/67	800	LIQUID PRESSURE (PSIG)	134	161	187	222	257	307	357
LIQUID TEMPERATURE (°F)			57	67	77	87	97	107	117	127
LIQUID SUBCOOLING (°F)			11	11	11	12	13	14	15	16
SUCTION PRESSURE (PSIG)			83	84	86	87	88	88	89	90
SUCTION TEMPERATURE (°F)			63	63	63	65	66	67	68	69
SUCTION SUPERHEAT (°F)			10	10	9	10	10	11	11	12
OUTDOOR UNIT CURRENT (A)			5.9	6.7	7.4	8.5	9.6	11	12.4	13.9
COMPRESSOR CURRENT (A)			5.5	6.2	7	8	9.1	10.5	11.9	13.3
INDOOR COIL TEMP DROP (°F)		19	18	18	17	16	16	15	14	
1000		LIQUID PRESSURE (PSIG)	131	156	181	215	248	295	342	389
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	11	11	11	12	13	15	16
		SUCTION PRESSURE (PSIG)	79	80	81	82	83	83	83	84
		SUCTION TEMPERATURE (°F)	61	61	61	62	64	65	66	67
		SUCTION SUPERHEAT (°F)	10	10	9	10	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	5.8	6.5	7.2	8.2	9.2	10.7	12.2	13.7
		COMPRESSOR CURRENT (A)	5.4	6.0	6.6	7.6	8.6	10.1	11.6	13.1
INDOOR COIL TEMP DROP (°F)		22	21	20	19	18	17	16	15	
1200		LIQUID PRESSURE (PSIG)	135	162	189	224	259	306	353	400
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	11	11	11	12	13	15	16
		SUCTION PRESSURE (PSIG)	81	83	84	85	86	87	87	88
		SUCTION TEMPERATURE (°F)	62	62	63	64	65	66	67	68
		SUCTION SUPERHEAT (°F)	10	10	9	10	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	5.9	6.6	7.4	8.4	9.4	10.9	12.4	13.9
		COMPRESSOR CURRENT (A)	5.4	6.1	6.8	7.9	8.9	10.4	11.9	13.4
INDOOR COIL TEMP DROP (°F)		19	19	19	18	17	16	15	14	

Continued on next page.



## GAW14L30C2(1,2)S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	800	LIQUID PRESSURE (PSIG)	136	164	192	228	264	309	354	400
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	11	12	13	14	15	16
		SUCTION PRESSURE (PSIG)	83	84	86	87	88	88	89	90
		SUCTION TEMPERATURE (°F)	63	63	63	65	66	67	68	69
		SUCTION SUPERHEAT (°F)	10	10	9	10	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	5.9	6.7	7.4	8.5	9.6	11	12.4	13.9
		COMPRESSOR CURRENT (A)	5.5	6.2	7	8	9.1	10.5	11.9	13.3
	INDOOR COIL TEMP DROP (°F)	19	18	18	17	16	16	15	14	
	1000	LIQUID PRESSURE (PSIG)	133	159	185	219	253	297	341	385
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	11	12	13	14	15	16
		SUCTION PRESSURE (PSIG)	86	87	88	90	91	91	92	93
		SUCTION TEMPERATURE (°F)	63	64	65	65	66	68	69	71
		SUCTION SUPERHEAT (°F)	10	9	9	9	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	5.8	6.5	7.2	8.2	9.2	10.7	12.1	13.5
		COMPRESSOR CURRENT (A)	5.3	6.0	6.7	7.7	8.7	10.1	11.5	12.9
	INDOOR COIL TEMP DROP (°F)	16	16	16	15	15	14	13	12	
	1200	LIQUID PRESSURE (PSIG)	138	165	192	227	262	308	354	400
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	12	12	13	14	15	16
		SUCTION PRESSURE (PSIG)	88	89	91	93	94	95	96	96
		SUCTION TEMPERATURE (°F)	66	66	66	67	67	69	71	73
		SUCTION SUPERHEAT (°F)	10	9	9	8	8	10	11	13
		OUTDOOR UNIT CURRENT (A)	6	6.7	7.4	8.4	9.4	10.9	12.4	13.9
		COMPRESSOR CURRENT (A)	5.5	6.2	6.9	7.9	8.9	10.4	11.9	13.3
	INDOOR COIL TEMP DROP (°F)	15	14	14	14	13	12	11	10	

FOR USE WITH MODELS:  
**GAW14L36C2(1,2)S**

GAW14L36C2(1,2)S CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AT LIQUID BASE VALVE			
55	126	127	129	130
60	139	140	142	143
65	153	154	155	157
70	166	167	168	170
75	180	181	182	183
80	197	198	199	200
85	215	215	217	217
90	232	232	234	234
95	247	248	249	250
100	272	272	275	275
105	295	295	299	299
110	317	317	322	322
115	340	340	346	346
120	362	362	369	369
125	385	385	393	393

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**GAW14L36C2(1,2)S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	127	154	180	216	252	297	343	388
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	7	8	9	10	11	12	14	15
		SUCTION PRESSURE (PSIG)	68	68	69	69	70	73	76	79
		SUCTION TEMPERATURE (°F)	56	56	57	59	61	64	66	68
		SUCTION SUPERHEAT (°F)	12	12	13	15	16	17	17	18
		OUTDOOR UNIT CURRENT (A)	6.7	7.5	8.3	9.4	10.6	12.2	13.9	15.5
		COMPRESSOR CURRENT (A)	5.6	6.4	7.2	8.4	9.6	11.2	12.9	14.5
	INDOOR COIL TEMP DROP (°F)	21	21	20	19	18	18	18	18	
	1200	LIQUID PRESSURE (PSIG)	126	152	178	212	247	292	337	383
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	7	8	9	10	10	12	14	15
		SUCTION PRESSURE (PSIG)	70	71	72	73	74	76	78	80
		SUCTION TEMPERATURE (°F)	56	57	58	60	61	64	66	69
		SUCTION SUPERHEAT (°F)	10	9	9	10	11	11	10	10
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	8.0	9.0	10.0	12.0	13.0	15.0
		COMPRESSOR CURRENT (A)	5.0	6.0	7.0	8.0	9.0	11.0	12.0	14.0
	INDOOR COIL TEMP DROP (°F)	20	19	18	18	17	16	16	16	
	1400	LIQUID PRESSURE (PSIG)	128	155	181	216	250	297	343	390
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	8	8	9	10	10	12	14	16
		SUCTION PRESSURE (PSIG)	72	73	73	75	76	77	79	80
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	64	67	70
		SUCTION SUPERHEAT (°F)	8	7	6	6	6	5	4	3
OUTDOOR UNIT CURRENT (A)		6.7	7.5	8.3	9.4	10.5	12.2	13.9	15.6	
COMPRESSOR CURRENT (A)		5.6	6.4	7.2	8.4	9.5	11.2	12.9	14.6	
INDOOR COIL TEMP DROP (°F)	18	17	17	17	16	16	15	14		

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## GAW14L36C2(1,2)S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1000	LIQUID PRESSURE (PSIG)	126	153	180	215	250	294	338	382
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	7	8	9	10	11	12	13	14
		SUCTION PRESSURE (PSIG)	69	70	70	71	72	75	78	81
		SUCTION TEMPERATURE (°F)	56	58	59	61	63	65	67	68
		SUCTION SUPERHEAT (°F)	12	13	14	15	16	16	17	17
		OUTDOOR UNIT CURRENT (A)	6.6	7.5	8.3	9.4	10.6	12.2	13.7	15.3
		COMPRESSOR CURRENT (A)	5.6	6.4	7.3	8.4	9.6	11.1	12.7	14.3
	INDOOR COIL TEMP DROP (°F)	25	24	23	23	22	22	22	21	
	1200	LIQUID PRESSURE (PSIG)	124	151	178	212	246	289	333	376
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	7	8	9	9	10	11	13	14
		SUCTION PRESSURE (PSIG)	72	73	74	75	76	79	81	84
		SUCTION TEMPERATURE (°F)	58	59	60	62	63	65	67	69
		SUCTION SUPERHEAT (°F)	12	12	13	14	15	15	16	16
		OUTDOOR UNIT CURRENT (A)	6.5	7.3	8.1	9.3	10.4	11.9	13.5	15.0
		COMPRESSOR CURRENT (A)	5.5	6.3	7.1	8.2	9.3	10.9	12.5	14.0
	INDOOR COIL TEMP DROP (°F)	23	22	21	20	20	20	19	19	
	1400	LIQUID PRESSURE (PSIG)	127	154	181	215	249	293	338	382
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	7	8	9	9	10	11	13	14
		SUCTION PRESSURE (PSIG)	74	75	76	77	78	80	83	85
		SUCTION TEMPERATURE (°F)	60	60	61	63	64	66	68	70
		SUCTION SUPERHEAT (°F)	12	12	13	13	14	15	15	16
OUTDOOR UNIT CURRENT (A)		6.7	7.5	8.3	9.4	10.5	12.1	13.7	15.3	
COMPRESSOR CURRENT (A)		5.6	6.4	7.3	8.4	9.5	11.1	12.7	14.3	
INDOOR COIL TEMP DROP (°F)	21	20	20	19	18	18	18	17		
80/67	1000	LIQUID PRESSURE (PSIG)	128	155	182	217	252	299	346	393
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	12	14	15
		SUCTION PRESSURE (PSIG)	84	86	89	90	91	92	93	94
		SUCTION TEMPERATURE (°F)	68	67	67	67	68	69	71	72
		SUCTION SUPERHEAT (°F)	14	12	10	11	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	6.8	7.6	8.4	9.5	10.6	12.2	13.8	15.4
		COMPRESSOR CURRENT (A)	5.8	6.6	7.3	8.5	9.6	11.2	12.8	14.4
	INDOOR COIL TEMP DROP (°F)	13	13	13	13	12	12	12	12	
	1200	LIQUID PRESSURE (PSIG)	127	153	179	214	248	294	340	386
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	11	12	14	15
		SUCTION PRESSURE (PSIG)	78	79	80	81	82	83	84	85
		SUCTION TEMPERATURE (°F)	61	61	61	63	65	67	69	71
		SUCTION SUPERHEAT (°F)	13	12	10	11	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	6.6	7.4	8.2	9.3	10.4	12.1	13.7	15.3
		COMPRESSOR CURRENT (A)	5.7	6.4	7.1	8.3	9.4	11.1	12.7	14.3
	INDOOR COIL TEMP DROP (°F)	20	19	18	18	17	16	16	15	
	1400	LIQUID PRESSURE (PSIG)	129	156	182	217	252	299	345	392
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	11	13	14	16
		SUCTION PRESSURE (PSIG)	79	80	82	83	83	84	84	85
		SUCTION TEMPERATURE (°F)	63	63	63	64	66	68	70	71
		SUCTION SUPERHEAT (°F)	13	12	10	12	13	15	16	18
OUTDOOR UNIT CURRENT (A)		6.8	7.6	8.3	9.5	10.6	12.3	13.9	15.6	
COMPRESSOR CURRENT (A)		5.7	6.5	7.3	8.5	9.6	11.3	12.9	14.6	
INDOOR COIL TEMP DROP (°F)	18	18	17	16	16	15	14	14		

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## GAW14L36C2(1,2)S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1000	LIQUID PRESSURE (PSIG)	131	157	183	218	252	297	342	386
		LIQUID TEMPERATURE (°F)	57	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	9	9	10	10	11	12	14	15
		SUCTION PRESSURE (PSIG)	84	86	89	90	91	92	93	94
		SUCTION TEMPERATURE (°F)	68	67	67	67	68	69	71	72
		SUCTION SUPERHEAT (°F)	14	12	10	11	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	6.8	7.6	8.4	9.5	10.6	12.2	13.8	15.4
		COMPRESSOR CURRENT (A)	5.8	6.6	7.3	8.5	9.6	11.2	12.8	14.4
		INDOOR COIL TEMP DROP (°F)	13	13	13	13	12	12	12	12
	1200	LIQUID PRESSURE (PSIG)	128	154	180	214	248	293	338	384
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	11	12	14	15
		SUCTION PRESSURE (PSIG)	82	85	88	89	90	91	91	92
		SUCTION TEMPERATURE (°F)	65	65	65	66	67	69	70	71
		SUCTION SUPERHEAT (°F)	13	11	10	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	6.6	7.4	8.2	9.3	10.4	12.0	13.6	15.2
		COMPRESSOR CURRENT (A)	5.6	6.4	7.2	8.3	9.4	11.0	12.6	14.2
		INDOOR COIL TEMP DROP (°F)	14	14	14	14	13	13	13	12
	1400	LIQUID PRESSURE (PSIG)	130	156	183	217	251	298	346	393
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	8	9	9	10	11	13	14	16
		SUCTION PRESSURE (PSIG)	80	82	84	85	86	87	87	87
		SUCTION TEMPERATURE (°F)	64	64	64	66	67	68	70	71
		SUCTION SUPERHEAT (°F)	12	11	10	11	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	6.8	7.5	8.3	9.4	10.6	12.3	14	15.7
		COMPRESSOR CURRENT (A)	5.7	6.5	7.3	8.4	9.6	11.3	13	14.7
		INDOOR COIL TEMP DROP (°F)	17	16	16	16	15	14	14	13

FOR USE WITH MODELS:  
**GAW14L42C2(1,2)S**

<b>GAW14L42C2(1,2)S CHARGING CHART</b>				
<b>OUTDOOR AMBIENT DB (°F)</b>	<b>INDOOR WET BULB (°F) AT 80°F DRY BULB</b>			
	<b>57</b>	<b>62</b>	<b>67</b>	<b>72</b>
	<b>PRESSURE (PSIG) AT LIQUID BASE VALVE</b>			
55	125	125	127	130
60	138	139	141	143
65	152	154	155	156
70	166	168	168	169
75	180	182	182	182
80	197	199	199	199
85	214	216	217	217
90	231	233	234	234
95	244	245	246	248
100	269	272	273	274
105	291	294	296	296
110	312	315	318	318
115	334	337	341	341
120	355	359	363	363
125	376	381	386	386

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**GAW14L42C2(1,2)S W/ NOMINAL COIL**

<b>ID DB / ID WB (°F)</b>	<b>ID AIRFLOW (SCFM)</b>	<b>OUTDOOR TEMPERATURE DB (°F)</b>	<b>COOLING SERVICE DATA</b>							
			<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>	<b>95</b>	<b>105</b>	<b>115</b>	<b>125</b>
75/62	1200	LIQUID PRESSURE (PSIG)	127	155	182	217	251	295	339	383
		LIQUID TEMPERATURE (°F)	58	67	76	86	97	106	116	126
		LIQUID SUBCOOLING (°F)	6	7	9	10	10	11	13	14
		SUCTION PRESSURE (PSIG)	71	72	73	74	75	76	78	79
		SUCTION TEMPERATURE (°F)	53	54	56	57	59	60	62	63
		SUCTION SUPERHEAT (°F)	7	8	9	10	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	8.6	9.5	10.5	11.8	13.2	15.1	17	19
		COMPRESSOR CURRENT (A)	7.5	8.5	9.5	10.8	12.2	14.1	16	18
	INDOOR COIL TEMP DROP (°F)	23	23	22	22	21	20	20	19	
	1400	LIQUID PRESSURE (PSIG)	125	152	179	213	247	290	333	377
		LIQUID TEMPERATURE (°F)	58	67	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	6	7	9	9	10	11	13	14
		SUCTION PRESSURE (PSIG)	78	77	76	77	78	80	81	83
		SUCTION TEMPERATURE (°F)	56	56	56	57	59	60	62	63
		SUCTION SUPERHEAT (°F)	7	7	7	8	8	8	8	8
		OUTDOOR UNIT CURRENT (A)	8.0	9.0	10.0	11.0	13.0	14.0	16.0	18.0
		COMPRESSOR CURRENT (A)	7.0	8.0	9.0	10.0	12.0	13.0	15.0	17.0
	INDOOR COIL TEMP DROP (°F)	23	22	21	21	20	20	19	18	
	1600	LIQUID PRESSURE (PSIG)	128	155	182	216	251	295	339	383
		LIQUID TEMPERATURE (°F)	58	67	77	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	6	7	9	9	10	11	13	14
		SUCTION PRESSURE (PSIG)	81	79	77	78	79	81	82	84
		SUCTION TEMPERATURE (°F)	64	61	58	59	61	63	65	66
		SUCTION SUPERHEAT (°F)	8	7	6	6	6	5	4	3
OUTDOOR UNIT CURRENT (A)		8.7	9.6	10.5	11.8	13.2	15.1	17	18.9	
COMPRESSOR CURRENT (A)		7.6	8.6	9.5	10.8	12.1	14.1	16	17.9	
INDOOR COIL TEMP DROP (°F)	20	19	19	19	18	17	17	16		

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## GAW14L42C2(1,2)S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1200	LIQUID PRESSURE (PSIG)	125	153	182	216	249	294	338	383
		LIQUID TEMPERATURE (°F)	58	67	77	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	5	7	8	9	10	11	13	14
		SUCTION PRESSURE (PSIG)	71	72	73	74	75	77	79	81
		SUCTION TEMPERATURE (°F)	53	55	56	58	59	61	62	63
		SUCTION SUPERHEAT (°F)	7	8	9	10	11	11	12	12
		OUTDOOR UNIT CURRENT (A)	8.5	9.5	10.5	11.8	13	15	17	18.9
		COMPRESSOR CURRENT (A)	7.5	8.5	9.4	10.7	12	14	16	17.9
	INDOOR COIL TEMP DROP (°F)	29	28	26	26	25	24	24	23	
	1400	LIQUID PRESSURE (PSIG)	123	151	179	212	246	288	331	374
		LIQUID TEMPERATURE (°F)	57	67	77	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	4	6	8	9	10	11	12	13
		SUCTION PRESSURE (PSIG)	75	76	77	78	79	81	83	85
		SUCTION TEMPERATURE (°F)	54	55	56	58	59	61	62	63
		SUCTION SUPERHEAT (°F)	8	8	8	9	10	11	11	11
		OUTDOOR UNIT CURRENT (A)	8.4	9.4	10.4	11.6	12.9	14.8	16.7	18.6
		COMPRESSOR CURRENT (A)	7.4	8.4	9.4	10.6	11.9	13.8	15.7	17.6
	INDOOR COIL TEMP DROP (°F)	28	27	26	25	25	24	23	22	
	1600	LIQUID PRESSURE (PSIG)	126	154	183	217	250	293	336	379
		LIQUID TEMPERATURE (°F)	59	68	78	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	4	6	8	9	10	11	12	13
		SUCTION PRESSURE (PSIG)	76	78	79	80	81	82	84	86
		SUCTION TEMPERATURE (°F)	58	58	59	60	62	63	65	66
		SUCTION SUPERHEAT (°F)	9	8	8	9	10	11	11	11
		OUTDOOR UNIT CURRENT (A)	8.6	9.6	10.5	11.8	13.1	15	16.8	18.7
		COMPRESSOR CURRENT (A)	7.6	8.5	9.5	10.8	12.1	14	15.8	17.7
	INDOOR COIL TEMP DROP (°F)	25	24	23	22	22	21	20	20	
	80/67	1200	LIQUID PRESSURE (PSIG)	127	154	182	217	252	296	341
LIQUID TEMPERATURE (°F)			59	68	77	87	96	106	116	126
LIQUID SUBCOOLING (°F)			7	7	7	8	10	11	12	13
SUCTION PRESSURE (PSIG)			81	85	89	90	91	92	93	94
SUCTION TEMPERATURE (°F)			67	65	63	64	65	67	68	70
SUCTION SUPERHEAT (°F)			15	11	7	7	7	9	10	11
OUTDOOR UNIT CURRENT (A)			8.6	9.6	10.5	11.9	13.2	15.1	17	18.9
COMPRESSOR CURRENT (A)			7.6	8.5	9.5	10.8	12.2	14.1	16	17.9
INDOOR COIL TEMP DROP (°F)		18	18	17	17	17	16	16	15	
1400		LIQUID PRESSURE (PSIG)	125	152	179	213	247	291	335	379
		LIQUID TEMPERATURE (°F)	59	68	77	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	6	6	7	8	10	11	12	13
		SUCTION PRESSURE (PSIG)	79	82	85	86	87	88	89	90
		SUCTION TEMPERATURE (°F)	59	59	59	60	62	63	65	66
		SUCTION SUPERHEAT (°F)	14	10	7	7	7	9	10	11
		OUTDOOR UNIT CURRENT (A)	8.6	9.5	10.4	11.7	13.0	14.9	16.8	18.7
		COMPRESSOR CURRENT (A)	7.4	8.4	9.4	10.7	12.0	13.9	15.8	17.7
INDOOR COIL TEMP DROP (°F)		23	22	21	21	20	19	19	18	
1600		LIQUID PRESSURE (PSIG)	128	155	182	216	251	296	341	386
		LIQUID TEMPERATURE (°F)	58	68	78	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	6	6	7	8	10	11	13	14
		SUCTION PRESSURE (PSIG)	80	83	86	87	87	89	90	91
		SUCTION TEMPERATURE (°F)	64	63	61	62	64	66	68	69
		SUCTION SUPERHEAT (°F)	13	10	7	7	8	10	11	12
		OUTDOOR UNIT CURRENT (A)	8.6	9.6	10.6	11.9	13.2	15.1	17	18.9
		COMPRESSOR CURRENT (A)	7.6	8.6	9.5	10.9	12.2	14.1	16	17.9
INDOOR COIL TEMP DROP (°F)		19	19	19	18	18	17	17	16	

Continued on next page.

## GAW14L42C2(1,2)S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1200	LIQUID PRESSURE (PSIG)	129	155	182	217	252	296	340	385
		LIQUID TEMPERATURE (°F)	57	68	78	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	7	7	7	8	10	11	12	13
		SUCTION PRESSURE (PSIG)	81	85	89	90	91	92	93	94
		SUCTION TEMPERATURE (°F)	67	65	63	64	65	67	68	70
		SUCTION SUPERHEAT (°F)	15	11	7	7	7	9	10	11
		OUTDOOR UNIT CURRENT (A)	8.6	9.6	10.5	11.9	13.2	15.1	17	18.9
		COMPRESSOR CURRENT (A)	7.6	8.5	9.5	10.8	12.2	14.1	16	17.9
		INDOOR COIL TEMP DROP (°F)	18	18	17	17	17	16	16	15
	1400	LIQUID PRESSURE (PSIG)	127	153	179	213	248	291	333	376
		LIQUID TEMPERATURE (°F)	58	68	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	7	7	6	8	10	11	12	13
		SUCTION PRESSURE (PSIG)	84	88	92	94	95	96	98	99
		SUCTION TEMPERATURE (°F)	67	65	63	64	64	66	67	69
		SUCTION SUPERHEAT (°F)	16	11	7	7	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	8.6	9.5	10.4	11.7	13.0	14.9	16.8	18.6
		COMPRESSOR CURRENT (A)	7.6	8.5	9.4	10.7	12.0	13.9	15.8	17.6
		INDOOR COIL TEMP DROP (°F)	18	17	16	16	16	15	15	14
	1600	LIQUID PRESSURE (PSIG)	131	156	182	217	252	295	338	381
		LIQUID TEMPERATURE (°F)	57	68	79	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	8	7	6	8	10	11	12	13
		SUCTION PRESSURE (PSIG)	83	88	93	94	95	97	99	101
		SUCTION TEMPERATURE (°F)	70	68	65	66	66	68	69	70
		SUCTION SUPERHEAT (°F)	17	12	7	7	7	7	7	8
		OUTDOOR UNIT CURRENT (A)	8.7	9.6	10.6	11.9	13.2	15.1	16.9	18.8
		COMPRESSOR CURRENT (A)	7.6	8.6	9.5	10.9	12.2	14.1	15.9	17.8
		INDOOR COIL TEMP DROP (°F)	15	15	15	14	14	14	13	13

FOR USE WITH MODELS:  
**GAW14L48C2(1,2)S**

GAW14L48C2(1,2)S CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AT LIQUID BASE VALVE			
55	133	134	136	141
60	146	147	149	153
65	160	160	162	165
70	174	173	175	177
75	188	187	188	189
80	205	204	206	207
85	222	221	224	225
90	239	238	241	243
95	244	245	246	247
100	277	279	280	282
105	298	298	301	304
110	318	318	322	325
115	339	339	343	347
120	359	359	364	368
125	380	380	385	390

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**GAW14L48C2(1,2)S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1400	LIQUID PRESSURE (PSIG)	133	161	190	224	259	300	340	381
		LIQUID TEMPERATURE (°F)	64	75	86	94	102	108	115	121
		LIQUID SUBCOOLING (°F)	2	2	2	4	7	11	14	18
		SUCTION PRESSURE (PSIG)	71	72	74	75	77	78	80	81
		SUCTION TEMPERATURE (°F)	55	54	54	55	56	55	55	55
		SUCTION SUPERHEAT (°F)	9	8	7	7	7	5	4	3
		OUTDOOR UNIT CURRENT (A)	10	11.3	12.5	14.2	15.8	18	20.3	22.5
		COMPRESSOR CURRENT (A)	9.1	10.4	11.6	13.3	15	17.3	19.5	21.7
	INDOOR COIL TEMP DROP (°F)	23	23	22	22	21	20	20	19	
	1600	LIQUID PRESSURE (PSIG)	127	153	179	213	246	285	324	363
		LIQUID TEMPERATURE (°F)	62	71	80	89	97	103	110	117
		LIQUID SUBCOOLING (°F)	2	3	3	5	7	11	14	17
		SUCTION PRESSURE (PSIG)	73	75	77	78	79	81	82	84
		SUCTION TEMPERATURE (°F)	58	56	54	55	56	55	55	55
		SUCTION SUPERHEAT (°F)	11	10	9	8	8	6	4	3
		OUTDOOR UNIT CURRENT (A)	8.0	10.0	12.0	13.0	15.0	17.0	19.0	21.0
		COMPRESSOR CURRENT (A)	9.0	10.0	11.0	12.0	14.0	16.0	18.0	21.0
	INDOOR COIL TEMP DROP (°F)	21	21	21	20	19	19	18	18	
	1800	LIQUID PRESSURE (PSIG)	135	162	188	223	258	300	342	384
		LIQUID TEMPERATURE (°F)	63	73	83	92	101	108	116	123
		LIQUID SUBCOOLING (°F)	3	4	4	6	8	11	14	16
		SUCTION PRESSURE (PSIG)	74	76	78	79	80	82	83	85
		SUCTION TEMPERATURE (°F)	61	59	56	57	57	57	56	56
		SUCTION SUPERHEAT (°F)	14	13	11	10	9	7	5	4
OUTDOOR UNIT CURRENT (A)		10.1	11.3	12.5	14.1	15.8	18	20.3	22.6	
COMPRESSOR CURRENT (A)		9.2	10.4	11.6	13.3	14.9	17.2	19.5	21.8	
INDOOR COIL TEMP DROP (°F)	19	19	19	19	18	18	17	17		

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## GAW14L48C2(1,2)S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1400	LIQUID PRESSURE (PSIG)	133	160	186	220	254	296	337	379
		LIQUID TEMPERATURE (°F)	64	71	79	86	94	102	110	119
		LIQUID SUBCOOLING (°F)	3	5	8	11	14	16	18	20
		SUCTION PRESSURE (PSIG)	72	73	75	76	77	79	81	83
		SUCTION TEMPERATURE (°F)	58	55	53	54	54	54	53	52
		SUCTION SUPERHEAT (°F)	11	8	5	5	5	3	1	-1
		OUTDOOR UNIT CURRENT (A)	10.1	11.2	12.4	14	15.7	17.9	20.1	22.3
		COMPRESSOR CURRENT (A)	9.2	10.4	11.6	13.2	14.9	17.1	19.3	21.5
	INDOOR COIL TEMP DROP (°F)	27	27	27	26	25	24	24	23	
	1600	LIQUID PRESSURE (PSIG)	127	152	177	210	243	282	321	360
		LIQUID TEMPERATURE (°F)	61	68	75	83	90	98	107	115
		LIQUID SUBCOOLING (°F)	3	5	7	10	13	15	16	18
		SUCTION PRESSURE (PSIG)	74	76	78	79	80	82	84	86
		SUCTION TEMPERATURE (°F)	60	57	54	54	55	55	55	55
		SUCTION SUPERHEAT (°F)	13	9	5	5	5	4	3	1
		OUTDOOR UNIT CURRENT (A)	9.6	10.8	12.0	13.6	15.1	17.3	19.4	21.5
		COMPRESSOR CURRENT (A)	8.8	10.0	11.2	12.8	14.4	16.5	18.7	20.8
	INDOOR COIL TEMP DROP (°F)	25	25	25	24	24	23	22	22	
	1800	LIQUID PRESSURE (PSIG)	134	160	187	222	257	298	339	380
		LIQUID TEMPERATURE (°F)	63	71	80	88	96	104	113	122
		LIQUID SUBCOOLING (°F)	4	5	7	10	13	14	15	17
		SUCTION PRESSURE (PSIG)	74	77	79	80	81	83	85	87
		SUCTION TEMPERATURE (°F)	64	60	56	57	58	58	59	59
		SUCTION SUPERHEAT (°F)	16	11	5	6	6	5	5	4
		OUTDOOR UNIT CURRENT (A)	10.1	11.3	12.5	14.1	15.8	18	20.2	22.4
		COMPRESSOR CURRENT (A)	9.2	10.4	11.6	13.3	15	17.2	19.4	21.6
	INDOOR COIL TEMP DROP (°F)	24	24	24	23	23	22	21	21	
	80/67	1400	LIQUID PRESSURE (PSIG)	135	162	189	224	259	301	343
LIQUID TEMPERATURE (°F)			63	73	82	91	100	107	114	121
LIQUID SUBCOOLING (°F)			0	2	3	5	7	11	14	18
SUCTION PRESSURE (PSIG)			78	84	89	91	92	94	96	98
SUCTION TEMPERATURE (°F)			71	67	64	63	63	65	66	67
SUCTION SUPERHEAT (°F)			21	14	7	6	6	6	6	6
OUTDOOR UNIT CURRENT (A)			10.2	11.4	12.6	14.3	16	18.3	20.5	22.8
COMPRESSOR CURRENT (A)			9.3	10.6	11.8	13.5	15.2	17.5	19.7	22
INDOOR COIL TEMP DROP (°F)		17	17	17	17	16	16	15	14	
1600		LIQUID PRESSURE (PSIG)	129	154	179	212	246	286	326	366
		LIQUID TEMPERATURE (°F)	61	70	79	87	96	102	109	116
		LIQUID SUBCOOLING (°F)	1	3	4	6	8	11	14	17
		SUCTION PRESSURE (PSIG)	76	80	84	85	86	87	89	90
		SUCTION TEMPERATURE (°F)	66	62	58	59	60	61	62	62
		SUCTION SUPERHEAT (°F)	21	14	6	6	6	6	6	6
		OUTDOOR UNIT CURRENT (A)	9.7	10.9	12.1	13.7	15.3	17.4	19.6	21.8
		COMPRESSOR CURRENT (A)	8.8	10.0	11.2	12.8	14.5	16.7	18.9	21.1
INDOOR COIL TEMP DROP (°F)		21	21	21	20	20	19	19	18	
1800		LIQUID PRESSURE (PSIG)	137	162	188	224	259	302	344	386
		LIQUID TEMPERATURE (°F)	65	74	82	91	100	108	115	123
		LIQUID SUBCOOLING (°F)	3	4	5	7	9	12	14	17
		SUCTION PRESSURE (PSIG)	77	81	85	86	87	88	89	91
		SUCTION TEMPERATURE (°F)	70	65	60	61	62	62	63	64
		SUCTION SUPERHEAT (°F)	21	14	6	6	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	10.1	11.3	12.5	14.2	15.9	18.1	20.4	22.6
		COMPRESSOR CURRENT (A)	9.2	10.4	11.6	13.3	15	17.3	19.6	21.9
INDOOR COIL TEMP DROP (°F)		19	19	20	19	19	18	18	17	

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## GAW14L48C2(1,2)S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1400	LIQUID PRESSURE (PSIG)	140	164	189	225	261	304	347	390
		LIQUID TEMPERATURE (°F)	69	76	84	93	102	109	116	123
		LIQUID SUBCOOLING (°F)	0	2	3	5	7	11	14	18
		SUCTION PRESSURE (PSIG)	78	84	89	91	92	94	96	98
		SUCTION TEMPERATURE (°F)	71	67	64	63	63	65	66	67
		SUCTION SUPERHEAT (°F)	21	14	7	6	6	6	6	6
		OUTDOOR UNIT CURRENT (A)	10.2	11.4	12.6	14.3	16	18.3	20.5	22.8
		COMPRESSOR CURRENT (A)	9.3	10.6	11.8	13.5	15.2	17.5	19.7	22
	INDOOR COIL TEMP DROP (°F)	17	17	17	17	16	16	15	14	
	1600	LIQUID PRESSURE (PSIG)	134	157	180	214	248	289	330	371
		LIQUID TEMPERATURE (°F)	66	73	80	89	97	104	111	118
		LIQUID SUBCOOLING (°F)	1	2	3	5	7	11	14	17
		SUCTION PRESSURE (PSIG)	79	85	91	93	95	96	98	100
		SUCTION TEMPERATURE (°F)	70	67	64	64	63	64	65	67
		SUCTION SUPERHEAT (°F)	21	15	8	6	5	6	6	6
		OUTDOOR UNIT CURRENT (A)	9.8	11.0	12.2	13.8	15.4	17.6	19.8	22.0
		COMPRESSOR CURRENT (A)	9.0	10.2	11.4	13.0	14.7	16.9	19.1	21.3
	INDOOR COIL TEMP DROP (°F)	16	16	16	15	15	15	14	14	
	1800	LIQUID PRESSURE (PSIG)	142	166	190	225	261	304	348	391
		LIQUID TEMPERATURE (°F)	68	76	85	93	101	109	117	125
		LIQUID SUBCOOLING (°F)	2	2	3	6	8	11	14	17
		SUCTION PRESSURE (PSIG)	79	85	91	94	96	97	98	100
		SUCTION TEMPERATURE (°F)	73	70	67	66	65	66	67	68
		SUCTION SUPERHEAT (°F)	22	16	10	7	5	6	6	6
OUTDOOR UNIT CURRENT (A)		10.3	11.5	12.7	14.4	16.1	18.3	20.6	22.9	
COMPRESSOR CURRENT (A)		9.4	10.6	11.8	13.5	15.2	17.5	19.8	22.1	
INDOOR COIL TEMP DROP (°F)	14	15	15	14	14	14	14	13		

FOR USE WITH MODELS:  
**GAW14L60C2(1,2)S**

GAW14L60C2(1,2)S CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AT LIQUID BASE VALVE			
55	135	136	138	142
60	148	150	152	156
65	162	164	166	170
70	176	177	180	184
75	190	191	194	198
80	207	208	211	215
85	225	226	229	233
90	242	243	246	250
95	259	259	260	268
100	283	283	288	292
105	307	307	312	316
110	330	330	335	339
115	354	354	359	363
120	377	377	383	387
125	401	401	407	411

Charging chart is for use in High Stage (full capacity) mode only.  
 Charging chart is for use in Cooling mode only.  
 Subcooling Chart is for use with TXV indoor expansion device only.

**GAW14L60C2(1,2)S W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1800	LIQUID PRESSURE (PSIG)	136	163	191	225	260	307	355	403
		LIQUID TEMPERATURE (°F)	54	64	75	85	95	105	115	125
		LIQUID SUBCOOLING (°F)	13	13	13	14	15	15	16	17
		SUCTION PRESSURE (PSIG)	70	72	73	75	76	78	79	81
		SUCTION TEMPERATURE (°F)	56	56	56	57	58	60	63	65
		SUCTION SUPERHEAT (°F)	10	9	8	9	9	11	12	13
		OUTDOOR UNIT CURRENT (A)	10.7	11.9	13	14.7	16.4	19.2	22	24.9
		COMPRESSOR CURRENT (A)	9.7	10.9	12	13.8	15.5	18.3	21.1	23.9
	INDOOR COIL TEMP DROP (°F)	22	22	22	21	21	20	19	18	
	1900	LIQUID PRESSURE (PSIG)	134	161	188	222	256	303	350	396
		LIQUID TEMPERATURE (°F)	55	65	75	85	95	106	116	126
		LIQUID SUBCOOLING (°F)	13	13	13	14	15	15	16	17
		SUCTION PRESSURE (PSIG)	70	72	74	75	77	78	80	81
		SUCTION TEMPERATURE (°F)	56	56	56	57	58	60	62	65
		SUCTION SUPERHEAT (°F)	12	11	9	9	9	9	8	8
		OUTDOOR UNIT CURRENT (A)	9.0	11.0	13.0	14.0	16.0	19.0	22.0	24.0
		COMPRESSOR CURRENT (A)	8.0	10.0	12.0	13.0	15.0	18.0	21.0	23.0
	INDOOR COIL TEMP DROP (°F)	22	21	20	20	19	19	18	17	
	2200	LIQUID PRESSURE (PSIG)	136	164	192	227	261	309	356	404
		LIQUID TEMPERATURE (°F)	54	65	75	85	95	105	115	125
		LIQUID SUBCOOLING (°F)	13	13	14	14	15	16	17	18
		SUCTION PRESSURE (PSIG)	73	75	76	78	79	80	82	83
		SUCTION TEMPERATURE (°F)	57	57	57	58	60	62	64	66
		SUCTION SUPERHEAT (°F)	14	13	11	10	9	7	5	4
OUTDOOR UNIT CURRENT (A)		10.7	11.9	13.1	14.8	16.5	19.3	22.1	24.8	
COMPRESSOR CURRENT (A)		9.7	10.9	12.1	13.8	15.5	18.3	21.1	23.9	
INDOOR COIL TEMP DROP (°F)	20	20	19	19	18	18	17	17		

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## GAW14L60C2(1,2)S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1800	LIQUID PRESSURE (PSIG)	136	163	191	225	259	306	353	401
		LIQUID TEMPERATURE (°F)	54	65	75	85	95	105	115	125
		LIQUID SUBCOOLING (°F)	13	13	13	14	14	15	16	17
		SUCTION PRESSURE (PSIG)	72	73	75	76	78	80	81	83
		SUCTION TEMPERATURE (°F)	57	57	57	58	60	62	64	66
		SUCTION SUPERHEAT (°F)	11	10	9	10	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	10.7	11.9	13	14.7	16.4	19.2	21.9	24.7
		COMPRESSOR CURRENT (A)	9.7	10.9	12	13.8	15.5	18.2	21	23.8
	INDOOR COIL TEMP DROP (°F)	27	26	26	25	24	24	23	22	
	1900	LIQUID PRESSURE (PSIG)	134	161	188	222	255	301	347	393
		LIQUID TEMPERATURE (°F)	55	65	75	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	13	13	13	14	14	15	16	16
		SUCTION PRESSURE (PSIG)	73	74	75	77	78	81	83	85
		SUCTION TEMPERATURE (°F)	59	58	57	59	60	62	64	66
		SUCTION SUPERHEAT (°F)	12	10	9	9	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	10.6	11.8	13.0	14.7	16.4	19.1	21.9	24.6
		COMPRESSOR CURRENT (A)	9.6	10.8	12.0	13.7	15.4	18.1	20.9	23.6
	INDOOR COIL TEMP DROP (°F)	26	25	24	24	23	22	21	21	
	2200	LIQUID PRESSURE (PSIG)	136	164	192	226	260	307	353	400
		LIQUID TEMPERATURE (°F)	54	65	75	85	95	105	115	125
		LIQUID SUBCOOLING (°F)	13	13	13	14	14	15	16	16
		SUCTION PRESSURE (PSIG)	74	76	78	79	81	83	86	88
		SUCTION TEMPERATURE (°F)	61	60	59	60	61	63	66	68
		SUCTION SUPERHEAT (°F)	13	11	9	9	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	10.7	11.9	13.1	14.8	16.5	19.2	21.9	24.6
		COMPRESSOR CURRENT (A)	9.7	10.9	12.1	13.8	15.5	18.2	21	23.7
	INDOOR COIL TEMP DROP (°F)	23	23	23	22	22	21	20	19	
	80/67	1800	LIQUID PRESSURE (PSIG)	138	166	194	229	264	311	359
LIQUID TEMPERATURE (°F)			54	65	75	85	95	105	115	125
LIQUID SUBCOOLING (°F)			15	15	15	15	16	17	17	18
SUCTION PRESSURE (PSIG)			78	83	88	90	92	94	96	97
SUCTION TEMPERATURE (°F)			69	66	64	65	66	68	70	71
SUCTION SUPERHEAT (°F)			19	14	9	8	7	9	10	11
OUTDOOR UNIT CURRENT (A)			10.9	12.1	13.3	15	16.8	19.6	22.4	25.3
COMPRESSOR CURRENT (A)			9.9	11.1	12.3	14.1	15.8	18.7	21.5	24.3
INDOOR COIL TEMP DROP (°F)		16	16	17	16	16	15	15	14	
1900		LIQUID PRESSURE (PSIG)	135	163	191	225	260	307	353	400
		LIQUID TEMPERATURE (°F)	54	65	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	14	14	14	15	15	16	17	18
		SUCTION PRESSURE (PSIG)	74	78	82	83	85	87	88	90
		SUCTION TEMPERATURE (°F)	64	62	60	61	62	64	66	67
		SUCTION SUPERHEAT (°F)	18	13	8	8	7	9	10	11
		OUTDOOR UNIT CURRENT (A)	10.8	12.0	13.2	14.9	16.5	19.4	22.4	25.3
		COMPRESSOR CURRENT (A)	9.8	11.0	12.2	13.9	15.6	18.5	21.4	24.3
INDOOR COIL TEMP DROP (°F)		20	20	20	20	19	19	18	18	
2200		LIQUID PRESSURE (PSIG)	139	167	195	230	265	312	360	407
		LIQUID TEMPERATURE (°F)	55	65	75	85	95	105	115	125
		LIQUID SUBCOOLING (°F)	14	14	14	15	15	16	17	18
		SUCTION PRESSURE (PSIG)	76	80	84	86	87	89	90	92
		SUCTION TEMPERATURE (°F)	67	64	62	62	63	65	67	69
		SUCTION SUPERHEAT (°F)	18	13	8	8	8	9	10	11
		OUTDOOR UNIT CURRENT (A)	10.9	12.1	13.3	14.9	16.6	19.5	22.4	25.4
		COMPRESSOR CURRENT (A)	9.9	11.1	12.3	14	15.7	18.6	21.5	24.4
INDOOR COIL TEMP DROP (°F)		18	19	19	19	18	18	17	17	

Continued on next page.

## GAW14L60C2(1,2)S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1800	LIQUID PRESSURE (PSIG)	142	169	197	232	268	315	363	411
		LIQUID TEMPERATURE (°F)	55	65	75	85	96	106	116	126
		LIQUID SUBCOOLING (°F)	15	15	15	15	16	17	17	18
		SUCTION PRESSURE (PSIG)	78	83	88	90	92	94	96	97
		SUCTION TEMPERATURE (°F)	69	66	64	65	66	68	70	71
		SUCTION SUPERHEAT (°F)	19	14	9	8	7	9	10	11
		OUTDOOR UNIT CURRENT (A)	10.9	12.1	13.3	15	16.8	19.6	22.4	25.3
		COMPRESSOR CURRENT (A)	9.9	11.1	12.3	14.1	15.8	18.7	21.5	24.3
	INDOOR COIL TEMP DROP (°F)	16	16	17	16	16	15	15	14	
	1900	LIQUID PRESSURE (PSIG)	140	167	194	229	263	310	357	404
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	127
		LIQUID SUBCOOLING (°F)	15	15	15	15	16	17	17	18
		SUCTION PRESSURE (PSIG)	78	83	88	90	93	94	96	97
		SUCTION TEMPERATURE (°F)	70	67	64	65	65	67	69	71
		SUCTION SUPERHEAT (°F)	19	14	9	8	7	8	9	10
		OUTDOOR UNIT CURRENT (A)	10.9	12.1	13.3	15.0	16.7	19.5	22.4	25.2
		COMPRESSOR CURRENT (A)	9.9	11.1	12.3	14.0	15.7	18.6	21.4	24.2
	INDOOR COIL TEMP DROP (°F)	14	15	16	15	15	14	14	13	
	2200	LIQUID PRESSURE (PSIG)	142	170	198	233	268	316	364	411
		LIQUID TEMPERATURE (°F)	55	65	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	15	15	15	15	16	17	17	18
		SUCTION PRESSURE (PSIG)	78	84	90	93	95	96	98	99
		SUCTION TEMPERATURE (°F)	70	68	66	66	67	68	70	72
		SUCTION SUPERHEAT (°F)	20	15	9	8	7	8	9	10
OUTDOOR UNIT CURRENT (A)		10.9	12.2	13.4	15.1	16.8	19.6	22.5	25.3	
COMPRESSOR CURRENT (A)		10	11.2	12.4	14.1	15.8	18.7	21.5	24.4	
INDOOR COIL TEMP DROP (°F)	14	14	15	14	14	14	13	13		

FOR USE WITH MODELS:

**YFK24B21S**  
**CC17B2421S**  
**TC17B2421S**

YFK24B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	187(10)	189(11)	190(11)	192(11)
60	202(10)	204(10)	206(11)	208(11)
65	219(10)	221(10)	223(11)	224(11)
70	237(10)	239(10)	241(11)	242(11)
75	256(10)	258(10)	260(11)	262(11)
80	271(10)	273(10)	275(10)	277(11)
85	292(10)	294(10)	296(10)	298(11)
90	320(10)	321(10)	324(10)	326(11)
95	343(10)	345(10)	347(10)	349(11)
100	368(10)	369(10)	372(10)	374(11)
105	394(10)	395(10)	398(10)	400(11)
110	421(10)	422(10)	424(10)	427(11)
115	449(10)	450(10)	452(10)	455(11)
120	478(10)	479(10)	481(11)	484(11)
125	509(10)	509(10)	511(11)	515(11)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YFK24B21S HIGH SPEED COOLING W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	188	220	257	293	344	394	449	509
		LIQUID TEMPERATURE (°F)	55	66	76	85	96	106	116	124
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	123	125	127	129	131	133	135	137
		SUCTION TEMPERATURE (°F)	55	56	58	59	60	62	65	67
		SUCTION SUPERHEAT (°F)	13	13	14	14	15	16	18	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	4.9	5.6	6.4	7.3	8.3
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	24	23	23	22	
	800	LIQUID PRESSURE (PSIG)	189	221	258	294	345	395	450	510
		LIQUID TEMPERATURE (°F)	55	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	129	131	133	135	137	139	141	143
		SUCTION TEMPERATURE (°F)	58	58	60	61	63	65	67	69
		SUCTION SUPERHEAT (°F)	13	13	14	14	15	16	18	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	4.9	5.6	6.4	7.3	8.3
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	20	19	
	1000	LIQUID PRESSURE (PSIG)	190	222	259	295	346	396	451	511
		LIQUID TEMPERATURE (°F)	56	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	135	137	139	141	143	145	147	149
		SUCTION TEMPERATURE (°F)	60	61	63	63	65	67	70	72
		SUCTION SUPERHEAT (°F)	13	13	14	14	15	16	18	19
OUTDOOR UNIT CURRENT (A)		4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6	
COMPRESSOR CURRENT (A)		3.5	3.9	4.4	4.9	5.6	6.4	7.3	8.3	
INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	17	16		

Continued on next page.

## YFK24B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	600	LIQUID PRESSURE (PSIG)	186	218	255	291	342	393	448	508
		LIQUID TEMPERATURE (°F)	55	65	75	84	95	106	115	125
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	111	115	119	123	127	130	133	136
		SUCTION TEMPERATURE (°F)	50	53	54	56	59	61	63	66
		SUCTION SUPERHEAT (°F)	13	14	14	14	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.4	3.9	4.4	5.0	5.6	6.4	7.3	8.3
	INDOOR COIL DB TEMP DROP (°F)	34	33	32	31	30	29	28	27	
	800	LIQUID PRESSURE (PSIG)	187	219	256	292	343	394	449	509
		LIQUID TEMPERATURE (°F)	56	65	75	84	96	106	116	125
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	121	125	129	133	137	140	143	146
		SUCTION TEMPERATURE (°F)	54	57	59	60	63	65	67	70
		SUCTION SUPERHEAT (°F)	13	14	14	14	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.4	3.9	4.4	5.0	5.6	6.4	7.3	8.3
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	24	23	
	1000	LIQUID PRESSURE (PSIG)	188	220	257	293	344	395	450	510
		LIQUID TEMPERATURE (°F)	56	66	76	85	96	106	116	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	131	135	139	143	147	150	153	156
		SUCTION TEMPERATURE (°F)	58	61	63	64	67	69	71	74
		SUCTION SUPERHEAT (°F)	13	14	14	14	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.4	3.9	4.4	5.0	5.6	6.4	7.3	8.3
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20	19	
	80/62	600	LIQUID PRESSURE (PSIG)	188	220	257	293	344	394	449
LIQUID TEMPERATURE (°F)			55	66	76	85	96	106	116	125
LIQUID SUBCOOLING (°F)			11	10	10	10	10	10	10	10
SUCTION PRESSURE (PSIG)			124	125	127	130	132	134	137	139
SUCTION TEMPERATURE (°F)			56	56	57	59	61	63	66	68
SUCTION SUPERHEAT (°F)			13	13	13	14	15	16	18	19
OUTDOOR UNIT CURRENT (A)			4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6
COMPRESSOR CURRENT (A)			3.5	3.9	4.4	5.0	5.7	6.5	7.3	8.3
INDOOR COIL DB TEMP DROP (°F)		30	30	29	29	28	28	27	26	
800		LIQUID PRESSURE (PSIG)	189	221	258	294	345	395	450	509
		LIQUID TEMPERATURE (°F)	55	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	131	132	134	137	139	141	144	146
		SUCTION TEMPERATURE (°F)	58	59	60	62	64	65	69	70
		SUCTION SUPERHEAT (°F)	13	13	13	14	15	16	18	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	5.0	5.7	6.5	7.3	8.3
INDOOR COIL DB TEMP DROP (°F)		27	27	26	26	25	25	24	23	
1000		LIQUID PRESSURE (PSIG)	190	222	259	295	346	396	451	510
		LIQUID TEMPERATURE (°F)	56	66	76	85	96	106	116	126
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	138	139	141	144	146	148	151	153
		SUCTION TEMPERATURE (°F)	61	62	62	65	66	68	71	73
		SUCTION SUPERHEAT (°F)	13	13	13	14	15	16	18	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	5.0	5.7	6.5	7.3	8.3
INDOOR COIL DB TEMP DROP (°F)		24	24	23	23	22	22	21	20	

Continued on next page.

## YFK24B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	600	LIQUID PRESSURE (PSIG)	190	223	260	296	347	398	452	511
		LIQUID TEMPERATURE (°F)	56	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	134	137	139	141	143	146	148	150
		SUCTION TEMPERATURE (°F)	61	62	63	64	65	67	69	72
		SUCTION SUPERHEAT (°F)	14	14	14	15	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	5.0	5.6	6.4	7.3	8.2
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	25	24	23	23	22	
	800	LIQUID PRESSURE (PSIG)	190	223	260	296	347	398	452	511
		LIQUID TEMPERATURE (°F)	56	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	140	143	145	147	149	152	154	156
		SUCTION TEMPERATURE (°F)	63	64	65	67	68	70	71	74
		SUCTION SUPERHEAT (°F)	14	14	14	15	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	5.0	5.6	6.4	7.3	8.2
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	21	20	20	19	
	1000	LIQUID PRESSURE (PSIG)	190	223	260	296	347	398	452	511
		LIQUID TEMPERATURE (°F)	56	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	146	149	151	153	155	158	160	162
		SUCTION TEMPERATURE (°F)	65	67	67	69	70	72	74	76
		SUCTION SUPERHEAT (°F)	14	14	14	15	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	5.0	5.6	6.4	7.3	8.2
	INDOOR COIL DB TEMP DROP (°F)	20	19	19	19	18	17	17	16	
	80/72	600	LIQUID PRESSURE (PSIG)	191	223	261	297	348	399	454
LIQUID TEMPERATURE (°F)			56	66	76	84	96	106	115	125
LIQUID SUBCOOLING (°F)			11	11	11	11	11	11	11	11
SUCTION PRESSURE (PSIG)			145	148	152	154	157	159	161	162
SUCTION TEMPERATURE (°F)			66	66	68	68	69	71	73	75
SUCTION SUPERHEAT (°F)			15	14	14	14	14	15	16	18
OUTDOOR UNIT CURRENT (A)			4.1	4.5	5.0	5.7	6.5	7.4	8.4	9.6
COMPRESSOR CURRENT (A)			3.5	3.9	4.4	5.0	5.7	6.4	7.3	8.3
INDOOR COIL DB TEMP DROP (°F)		21	20	20	20	19	19	18	18	
800		LIQUID PRESSURE (PSIG)	192	224	262	298	349	400	455	515
		LIQUID TEMPERATURE (°F)	56	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	149	152	156	158	161	163	165	166
		SUCTION TEMPERATURE (°F)	69	69	70	71	72	74	75	78
		SUCTION SUPERHEAT (°F)	16	15	15	15	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	4.1	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	5.0	5.7	6.4	7.3	8.3
INDOOR COIL DB TEMP DROP (°F)		18	17	17	17	16	16	15	15	
1000		LIQUID PRESSURE (PSIG)	193	225	263	299	350	401	456	516
		LIQUID TEMPERATURE (°F)	57	66	76	85	96	106	116	126
		LIQUID SUBCOOLING (°F)	11	11	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	153	156	160	162	165	167	169	170
		SUCTION TEMPERATURE (°F)	71	71	73	73	74	76	78	80
		SUCTION SUPERHEAT (°F)	17	16	16	16	16	17	18	20
		OUTDOOR UNIT CURRENT (A)	4.1	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	5.0	5.7	6.4	7.3	8.3
INDOOR COIL DB TEMP DROP (°F)		15	14	14	14	13	13	12	12	



FOR USE WITH MODELS:

YFK36B21S

CC17B3621S

TC17B3621S

YFK36B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	187(8)	188(8)	189(9)	190(9)
60	202(8)	203(8)	204(9)	205(9)
65	219(8)	219(8)	221(9)	222(9)
70	236(8)	236(8)	238(9)	240(9)
75	255(8)	254(8)	257(9)	259(9)
80	276(8)	276(8)	280(9)	281(9)
85	297(8)	297(8)	301(9)	303(9)
90	317(8)	316(8)	320(9)	323(9)
95	340(8)	340(8)	343(9)	346(9)
100	364(8)	364(8)	368(9)	371(9)
105	390(8)	389(8)	393(8)	396(9)
110	416(7)	416(8)	420(8)	423(9)
115	444(7)	443(7)	447(8)	451(8)
120	473(7)	472(7)	476(8)	479(8)
125	503(7)	502(7)	506(7)	509(8)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YFK36B21S HIGH SPEED COOLING W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	950	LIQUID PRESSURE (PSIG)	187	219	255	297	340	390	444	502
		LIQUID TEMPERATURE (°F)	58	67	76	86	97	107	118	127
		LIQUID SUBCOOLING (°F)	8	8	9	9	8	8	7	7
		SUCTION PRESSURE (PSIG)	120	124	127	130	133	136	138	140
		SUCTION TEMPERATURE (°F)	59	58	56	56	56	57	58	61
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	10	10	12
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.8	9.8	11.1	12.4	13.9
		COMPRESSOR CURRENT (A)	5.6	6.1	6.8	7.7	8.7	9.9	11.2	12.7
		INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	23	23	22	21
	1200	LIQUID PRESSURE (PSIG)	188	220	256	298	341	391	445	503
		LIQUID TEMPERATURE (°F)	58	68	76	87	97	107	118	127
		LIQUID SUBCOOLING (°F)	8	8	9	9	8	8	7	7
		SUCTION PRESSURE (PSIG)	124	128	131	134	137	140	142	144
		SUCTION TEMPERATURE (°F)	62	60	58	59	59	60	61	64
		SUCTION SUPERHEAT (°F)	19	16	13	12	11	11	11	13
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.8	9.8	11.1	12.4	13.9
		COMPRESSOR CURRENT (A)	5.6	6.1	6.8	7.7	8.7	9.9	11.2	12.7
		INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	21	21	20	19
	1450	LIQUID PRESSURE (PSIG)	189	221	257	299	342	392	446	504
		LIQUID TEMPERATURE (°F)	58	68	77	87	97	107	118	128
		LIQUID SUBCOOLING (°F)	8	8	9	9	8	8	7	7
		SUCTION PRESSURE (PSIG)	128	132	135	138	141	144	146	148
		SUCTION TEMPERATURE (°F)	64	63	61	61	61	63	63	66
		SUCTION SUPERHEAT (°F)	20	17	14	13	12	12	12	14
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.8	9.8	11.1	12.4	13.9
		COMPRESSOR CURRENT (A)	5.6	6.1	6.8	7.7	8.7	9.9	11.2	12.7
		INDOOR COIL DB TEMP DROP (°F)	20	20	20	20	19	19	18	17

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## YFK36B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued) (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	950	LIQUID PRESSURE (PSIG)	186	218	254	296	339	389	443	502
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	118	127
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	8	7	7
		SUCTION PRESSURE (PSIG)	112	117	121	125	129	133	136	140
		SUCTION TEMPERATURE (°F)	52	52	52	53	55	56	58	61
		SUCTION SUPERHEAT (°F)	15	13	11	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.8	9.8	11.1	12.4	13.9
		COMPRESSOR CURRENT (A)	5.5	6.1	6.8	7.7	8.7	9.8	11.1	12.6
	INDOOR COIL DB TEMP DROP (°F)	34	33	32	31	30	29	28	27	
	1200	LIQUID PRESSURE (PSIG)	187	219	255	297	340	390	444	503
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	118	127
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	8	7	7
		SUCTION PRESSURE (PSIG)	119	124	128	132	136	140	143	147
		SUCTION TEMPERATURE (°F)	56	57	56	57	58	60	62	65
		SUCTION SUPERHEAT (°F)	16	14	12	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.8	9.8	11.1	12.4	13.9
		COMPRESSOR CURRENT (A)	5.5	6.1	6.8	7.7	8.7	9.8	11.1	12.6
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	24	23	
	1450	LIQUID PRESSURE (PSIG)	188	220	256	298	341	391	445	504
		LIQUID TEMPERATURE (°F)	58	68	77	88	97	107	118	128
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	8	7	7
		SUCTION PRESSURE (PSIG)	126	131	135	139	143	147	150	154
		SUCTION TEMPERATURE (°F)	61	61	61	62	63	65	67	69
		SUCTION SUPERHEAT (°F)	18	16	14	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.8	9.8	11.1	12.4	13.9
		COMPRESSOR CURRENT (A)	5.5	6.1	6.8	7.7	8.7	9.8	11.1	12.6
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20	19	
	80/62	950	LIQUID PRESSURE (PSIG)	187	218	253	296	339	388	442
LIQUID TEMPERATURE (°F)			58	67	77	87	97	107	117	127
LIQUID SUBCOOLING (°F)			8	8	8	8	8	8	7	7
SUCTION PRESSURE (PSIG)			120	124	128	132	135	138	140	143
SUCTION TEMPERATURE (°F)			60	58	56	56	56	57	58	61
SUCTION SUPERHEAT (°F)			19	15	12	10	9	9	9	11
OUTDOOR UNIT CURRENT (A)			6.3	7.0	7.8	8.7	9.8	11.0	12.4	13.9
COMPRESSOR CURRENT (A)			5.6	6.1	6.8	7.7	8.7	9.9	11.2	12.6
INDOOR COIL DB TEMP DROP (°F)		28	29	29	29	28	28	27	26	
1200		LIQUID PRESSURE (PSIG)	188	219	254	297	340	389	443	502
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	118	127
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	8	7	7
		SUCTION PRESSURE (PSIG)	124	128	132	136	139	142	144	147
		SUCTION TEMPERATURE (°F)	64	61	60	59	60	61	62	65
		SUCTION SUPERHEAT (°F)	21	17	14	12	11	11	11	13
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.7	9.8	11.0	12.4	13.9
		COMPRESSOR CURRENT (A)	5.6	6.1	6.8	7.7	8.7	9.9	11.2	12.6
INDOOR COIL DB TEMP DROP (°F)		25	26	26	26	25	25	24	23	
1450		LIQUID PRESSURE (PSIG)	189	220	255	298	341	390	444	503
		LIQUID TEMPERATURE (°F)	58	68	77	88	97	107	118	127
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	8	7	7
		SUCTION PRESSURE (PSIG)	128	132	136	140	143	146	148	151
		SUCTION TEMPERATURE (°F)	67	65	63	63	63	64	65	68
		SUCTION SUPERHEAT (°F)	23	19	16	14	13	13	13	15
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.7	9.8	11.0	12.4	13.9
		COMPRESSOR CURRENT (A)	5.6	6.1	6.8	7.7	8.7	9.9	11.2	12.6
INDOOR COIL DB TEMP DROP (°F)		22	23	23	23	22	22	21	20	

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## YFK36B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued) (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	950	LIQUID PRESSURE (PSIG)	188	220	256	300	342	392	446	505
		LIQUID TEMPERATURE (°F)	57	67	76	87	96	107	117	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	8	8	7
		SUCTION PRESSURE (PSIG)	125	132	138	143	147	150	152	153
		SUCTION TEMPERATURE (°F)	67	65	63	62	63	63	65	67
		SUCTION SUPERHEAT (°F)	24	19	15	12	11	10	11	13
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.9	8.8	9.9	11.1	12.5	14.0
		COMPRESSOR CURRENT (A)	5.6	6.2	6.9	7.8	8.8	9.9	11.2	12.7
	INDOOR COIL DB TEMP DROP (°F)	23	24	24	24	24	24	23	22	
	1200	LIQUID PRESSURE (PSIG)	189	221	257	301	343	393	447	506
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	108	117	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	8	8	7
		SUCTION PRESSURE (PSIG)	128	135	141	146	150	153	155	156
		SUCTION TEMPERATURE (°F)	69	67	65	64	65	65	67	69
		SUCTION SUPERHEAT (°F)	25	20	16	13	12	11	12	14
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.9	8.8	9.9	11.1	12.5	14.0
		COMPRESSOR CURRENT (A)	5.6	6.2	6.9	7.8	8.8	9.9	11.2	12.7
	INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	21	21	20	19	
	1450	LIQUID PRESSURE (PSIG)	190	222	258	302	344	394	448	507
		LIQUID TEMPERATURE (°F)	58	67	77	88	97	108	117	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	8	8	7
		SUCTION PRESSURE (PSIG)	131	138	144	149	153	156	158	159
		SUCTION TEMPERATURE (°F)	71	69	68	67	67	67	69	71
		SUCTION SUPERHEAT (°F)	26	21	17	14	13	12	13	15
OUTDOOR UNIT CURRENT (A)		6.3	7.0	7.9	8.8	9.9	11.1	12.5	14.0	
COMPRESSOR CURRENT (A)		5.6	6.2	6.9	7.8	8.8	9.9	11.2	12.7	
INDOOR COIL DB TEMP DROP (°F)	17	18	18	18	18	18	17	16		
80/72	950	LIQUID PRESSURE (PSIG)	189	221	258	302	345	395	450	508
		LIQUID TEMPERATURE (°F)	57	67	77	88	97	107	118	127
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	9	8	8
		SUCTION PRESSURE (PSIG)	126	136	145	151	157	160	162	162
		SUCTION TEMPERATURE (°F)	69	68	68	67	68	69	69	71
		SUCTION SUPERHEAT (°F)	26	21	17	14	13	12	12	14
		OUTDOOR UNIT CURRENT (A)	6.4	7.1	7.9	8.9	10.0	11.2	12.6	14.0
		COMPRESSOR CURRENT (A)	5.6	6.2	6.9	7.8	8.9	10.0	11.3	12.7
	INDOOR COIL DB TEMP DROP (°F)	18	18	19	19	19	18	17	16	
	1200	LIQUID PRESSURE (PSIG)	190	222	259	303	346	396	451	509
		LIQUID TEMPERATURE (°F)	58	67	77	88	97	107	118	127
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	9	8	8
		SUCTION PRESSURE (PSIG)	129	139	148	154	160	163	165	165
		SUCTION TEMPERATURE (°F)	72	71	70	69	71	71	71	73
		SUCTION SUPERHEAT (°F)	27	22	18	15	14	13	13	15
		OUTDOOR UNIT CURRENT (A)	6.4	7.1	7.9	8.9	10.0	11.2	12.6	14.0
		COMPRESSOR CURRENT (A)	5.6	6.2	6.9	7.8	8.9	10.0	11.3	12.7
	INDOOR COIL DB TEMP DROP (°F)	16	16	17	17	17	16	15	14	
	1450	LIQUID PRESSURE (PSIG)	191	223	260	304	347	397	452	510
		LIQUID TEMPERATURE (°F)	58	68	78	88	97	107	118	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	9	8	8
		SUCTION PRESSURE (PSIG)	132	142	151	157	163	166	168	168
		SUCTION TEMPERATURE (°F)	74	73	72	71	73	73	73	75
		SUCTION SUPERHEAT (°F)	28	23	19	16	15	14	14	16
OUTDOOR UNIT CURRENT (A)		6.4	7.1	7.9	8.9	10.0	11.2	12.6	14.0	
COMPRESSOR CURRENT (A)		5.6	6.2	6.9	7.8	8.9	10.0	11.3	12.7	
INDOOR COIL DB TEMP DROP (°F)	14	14	15	15	15	14	13	12		

FOR USE WITH MODELS:

**YFK48B21S**  
**CC17B4821S**  
**TC17B4821S**

YFK48B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	197(10)	199(11)	202(11)	203(12)
60	211(10)	213(10)	216(11)	217(12)
65	226(10)	228(10)	231(11)	233(11)
70	243(9)	245(10)	247(10)	250(11)
75	261(9)	262(10)	265(10)	268(11)
80	280(9)	281(10)	284(10)	287(10)
85	300(9)	302(9)	305(10)	308(10)
90	322(9)	324(9)	327(10)	330(10)
95	345(9)	347(9)	350(10)	353(10)
100	369(9)	371(9)	375(10)	378(10)
105	395(9)	397(9)	400(10)	404(10)
110	422(9)	424(9)	428(10)	431(10)
115	450(9)	452(9)	456(10)	460(10)
120	480(9)	482(9)	486(10)	490(10)
125	511(9)	513(9)	517(10)	521(10)

Charging chart is for use in High Stage (full capacity) mode only.  
Charging chart is for use in Cooling mode only.  
Subcooling Chart is for use with TXV indoor expansion device only.

## YFK48B21S HIGH SPEED COOLING W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1350	LIQUID PRESSURE (PSIG)	198	227	262	301	346	396	451	511
		LIQUID TEMPERATURE (°F)	58	68	77	86	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	10	9	9	9	9
		SUCTION PRESSURE (PSIG)	122	124	127	130	132	135	137	139
		SUCTION TEMPERATURE (°F)	57	56	56	56	57	58	60	63
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	9.6	10.5	11.7	13.1	14.8	16.6	18.7	21.0
		COMPRESSOR CURRENT (A)	8.7	9.4	10.3	11.5	13.0	14.7	16.7	19.0
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	23	23	22	21	
	1600	LIQUID PRESSURE (PSIG)	199	228	263	302	347	397	452	512
		LIQUID TEMPERATURE (°F)	58	68	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	10	9	9	9	9
		SUCTION PRESSURE (PSIG)	125	127	130	133	135	138	140	142
		SUCTION TEMPERATURE (°F)	58	57	57	57	58	59	61	64
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	9.6	10.5	11.7	13.1	14.8	16.6	18.7	21.0
		COMPRESSOR CURRENT (A)	8.7	9.4	10.3	11.5	13.0	14.7	16.7	19.0
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	21	21	20	19	
	1850	LIQUID PRESSURE (PSIG)	200	229	264	303	348	398	453	513
		LIQUID TEMPERATURE (°F)	59	68	78	87	98	107	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	10	9	9	9	9
		SUCTION PRESSURE (PSIG)	128	130	133	136	138	141	143	145
		SUCTION TEMPERATURE (°F)	59	58	58	58	59	60	62	65
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	11	12	14
OUTDOOR UNIT CURRENT (A)		9.6	10.5	11.7	13.1	14.8	16.6	18.7	21.0	
COMPRESSOR CURRENT (A)		8.7	9.4	10.3	11.5	13.0	14.7	16.7	19.0	
INDOOR COIL DB TEMP DROP (°F)	20	20	20	20	19	19	18	17		

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## YFK48B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued) (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1350	LIQUID PRESSURE (PSIG)	195	224	259	298	343	393	448	509
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	9	9	9	9	9	9
		SUCTION PRESSURE (PSIG)	112	116	119	123	126	129	133	136
		SUCTION TEMPERATURE (°F)	52	52	52	53	54	57	59	61
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	9.4	10.4	11.5	13.0	14.6	16.4	18.5	20.8
		COMPRESSOR CURRENT (A)	8.5	9.2	10.1	11.3	12.8	14.6	16.6	18.8
	INDOOR COIL DB TEMP DROP (°F)	32	32	31	30	29	28	27	26	
	1600	LIQUID PRESSURE (PSIG)	197	226	261	300	345	395	450	511
		LIQUID TEMPERATURE (°F)	59	67	78	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	9	9	9	9	9	9
		SUCTION PRESSURE (PSIG)	119	123	126	130	133	136	140	143
		SUCTION TEMPERATURE (°F)	55	55	55	56	57	59	62	64
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	9.5	10.5	11.6	13.1	14.7	16.5	18.6	20.9
		COMPRESSOR CURRENT (A)	8.6	9.3	10.2	11.4	12.9	14.7	16.7	18.9
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	26	25	24	23	
	1850	LIQUID PRESSURE (PSIG)	199	228	263	302	347	397	452	513
		LIQUID TEMPERATURE (°F)	59	68	78	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	9	9	9	9	9	9
		SUCTION PRESSURE (PSIG)	126	130	133	137	140	143	147	150
		SUCTION TEMPERATURE (°F)	58	58	58	59	60	62	65	67
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	9.6	10.6	11.7	13.2	14.8	16.6	18.7	21.0
		COMPRESSOR CURRENT (A)	8.7	9.4	10.3	11.5	13.0	14.8	16.8	19.0
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	24	23	22	21	20	
	80/62	1350	LIQUID PRESSURE (PSIG)	198	227	261	301	346	396	451
LIQUID TEMPERATURE (°F)			58	68	77	87	97	107	117	127
LIQUID SUBCOOLING (°F)			11	10	10	9	9	9	9	9
SUCTION PRESSURE (PSIG)			122	124	127	130	132	135	138	142
SUCTION TEMPERATURE (°F)			58	57	56	56	57	58	60	63
SUCTION SUPERHEAT (°F)			16	14	12	11	11	11	12	13
OUTDOOR UNIT CURRENT (A)			9.6	10.6	11.7	13.1	14.7	16.6	18.7	21.0
COMPRESSOR CURRENT (A)			8.7	9.4	10.3	11.5	13.0	14.7	16.7	19.0
INDOOR COIL DB TEMP DROP (°F)		28	28	28	28	27	26	26	24	
1600		LIQUID PRESSURE (PSIG)	199	228	262	302	347	397	452	513
		LIQUID TEMPERATURE (°F)	58	68	77	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	9	9	9	9	9
		SUCTION PRESSURE (PSIG)	126	128	131	134	136	139	142	146
		SUCTION TEMPERATURE (°F)	59	58	57	58	58	60	62	64
		SUCTION SUPERHEAT (°F)	16	14	12	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	9.6	10.6	11.7	13.1	14.7	16.6	18.7	21.0
		COMPRESSOR CURRENT (A)	8.7	9.4	10.3	11.5	13.0	14.7	16.7	19.0
INDOOR COIL DB TEMP DROP (°F)		26	26	26	26	25	24	24	22	
1850		LIQUID PRESSURE (PSIG)	200	229	263	303	348	398	453	514
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	9	9	9	9	9
		SUCTION PRESSURE (PSIG)	130	132	135	138	140	143	146	150
		SUCTION TEMPERATURE (°F)	61	60	59	59	60	61	63	66
		SUCTION SUPERHEAT (°F)	16	14	12	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	9.6	10.6	11.7	13.1	14.7	16.6	18.7	21.0
		COMPRESSOR CURRENT (A)	8.7	9.4	10.3	11.5	13.0	14.7	16.7	19.0
INDOOR COIL DB TEMP DROP (°F)		24	24	24	24	23	22	22	20	

Continued on next page.

## YFK48B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued) (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1350	LIQUID PRESSURE (PSIG)	201	230	264	304	349	399	455	516
		LIQUID TEMPERATURE (°F)	59	68	78	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	130	134	138	142	145	148	150	152
		SUCTION TEMPERATURE (°F)	64	63	61	61	61	62	63	66
		SUCTION SUPERHEAT (°F)	19	16	13	11	10	10	10	12
		OUTDOOR UNIT CURRENT (A)	9.6	10.6	11.8	13.2	14.8	16.7	18.8	21.1
		COMPRESSOR CURRENT (A)	8.8	9.5	10.5	11.7	13.1	14.9	16.9	19.1
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	23	23	22	21	
	1600	LIQUID PRESSURE (PSIG)	202	231	265	305	350	400	456	517
		LIQUID TEMPERATURE (°F)	59	68	78	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	133	137	141	145	148	151	153	155
		SUCTION TEMPERATURE (°F)	66	65	63	63	63	64	65	68
		SUCTION SUPERHEAT (°F)	20	17	14	12	11	11	11	13
		OUTDOOR UNIT CURRENT (A)	9.7	10.7	11.9	13.3	14.9	16.8	18.9	21.2
		COMPRESSOR CURRENT (A)	8.8	9.5	10.5	11.7	13.1	14.9	16.9	19.1
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	21	21	20	19	
	1850	LIQUID PRESSURE (PSIG)	203	232	266	306	351	401	457	518
		LIQUID TEMPERATURE (°F)	60	68	78	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	136	140	144	148	151	154	156	158
		SUCTION TEMPERATURE (°F)	68	67	66	65	65	66	67	70
		SUCTION SUPERHEAT (°F)	21	18	15	13	12	12	12	14
		OUTDOOR UNIT CURRENT (A)	9.8	10.8	12.0	13.4	15.0	16.9	19.0	21.3
		COMPRESSOR CURRENT (A)	8.8	9.5	10.5	11.7	13.1	14.9	16.9	19.1
	INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	19	19	18	17	
	80/72	1350	LIQUID PRESSURE (PSIG)	202	232	267	307	352	403	459
LIQUID TEMPERATURE (°F)			58	68	77	88	97	107	117	127
LIQUID SUBCOOLING (°F)			12	11	11	10	10	10	10	10
SUCTION PRESSURE (PSIG)			133	140	147	153	157	161	163	164
SUCTION TEMPERATURE (°F)			69	67	67	66	66	67	69	70
SUCTION SUPERHEAT (°F)			23	18	15	12	11	10	11	12
OUTDOOR UNIT CURRENT (A)			9.8	10.8	12.0	13.4	15.1	16.9	19.0	21.3
COMPRESSOR CURRENT (A)			8.8	9.6	10.6	11.8	13.3	15.1	17.1	19.3
INDOOR COIL DB TEMP DROP (°F)		18	18	19	19	18	18	17	16	
1600		LIQUID PRESSURE (PSIG)	203	233	268	308	353	404	460	521
		LIQUID TEMPERATURE (°F)	59	68	78	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	12	11	11	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	136	143	150	156	160	164	166	167
		SUCTION TEMPERATURE (°F)	71	69	69	68	69	69	71	72
		SUCTION SUPERHEAT (°F)	24	19	16	13	12	11	12	13
		OUTDOOR UNIT CURRENT (A)	9.8	10.8	12.0	13.4	15.1	16.9	19.0	21.3
		COMPRESSOR CURRENT (A)	8.8	9.6	10.6	11.8	13.3	15.1	17.1	19.3
INDOOR COIL DB TEMP DROP (°F)		16	16	17	17	16	16	15	14	
1850		LIQUID PRESSURE (PSIG)	204	234	269	309	354	405	461	522
		LIQUID TEMPERATURE (°F)	59	69	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	12	11	11	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	139	146	153	159	163	167	169	170
		SUCTION TEMPERATURE (°F)	74	71	71	70	71	71	73	74
		SUCTION SUPERHEAT (°F)	25	20	17	14	13	12	13	14
		OUTDOOR UNIT CURRENT (A)	9.8	10.8	12.0	13.4	15.1	16.9	19.0	21.3
		COMPRESSOR CURRENT (A)	8.8	9.6	10.6	11.8	13.3	15.1	17.1	19.3
INDOOR COIL DB TEMP DROP (°F)		14	14	15	15	14	14	13	12	

FOR USE WITH MODELS:

YFK60B21S

CC17B6021S

TC17B6021S

YFK60B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	187(8)	189(8)	190(9)	190(9)
60	205(8)	207(9)	209(9)	210(10)
65	224(9)	227(9)	229(10)	230(10)
70	244(9)	247(10)	249(11)	251(11)
75	265(10)	268(10)	271(11)	274(12)
80	283(10)	286(11)	289(11)	292(12)
85	306(11)	309(11)	312(12)	316(12)
90	334(11)	337(11)	341(12)	345(13)
95	359(11)	362(12)	366(12)	370(13)
100	385(11)	388(12)	392(12)	396(13)
105	412(12)	414(12)	418(12)	423(13)
110	440(12)	442(12)	446(12)	451(13)
115	469(12)	470(12)	475(12)	479(13)
120	498(11)	499(12)	504(12)	508(13)
125	529(11)	529(11)	534(12)	539(13)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YFK60B21S HIGH SPEED COOLING W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1500	LIQUID PRESSURE (PSIG)	188	226	268	309	361	413	469	528
		LIQUID TEMPERATURE (°F)	58	68	78	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	8	9	11	11	12	12	12	11
		SUCTION PRESSURE (PSIG)	113	117	121	125	128	131	134	137
		SUCTION TEMPERATURE (°F)	58	55	54	54	54	55	57	59
		SUCTION SUPERHEAT (°F)	20	16	13	11	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	11.9	13.0	14.5	16.2	18.3	20.6	23.2	26.0
		COMPRESSOR CURRENT (A)	10.5	11.5	12.9	14.5	16.5	18.7	21.3	24.1
	INDOOR COIL DB TEMP DROP (°F)	26	26	26	25	25	24	23	22	
	1750	LIQUID PRESSURE (PSIG)	189	227	269	310	362	414	470	529
		LIQUID TEMPERATURE (°F)	58	69	78	87	97	107	117	128
		LIQUID SUBCOOLING (°F)	8	9	11	11	12	12	12	11
		SUCTION PRESSURE (PSIG)	116	120	124	128	131	134	137	140
		SUCTION TEMPERATURE (°F)	60	58	57	56	56	58	59	61
		SUCTION SUPERHEAT (°F)	21	17	14	12	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.6	16.3	18.4	20.7	23.3	26.1
		COMPRESSOR CURRENT (A)	10.6	11.6	13.0	14.6	16.6	18.8	21.4	24.2
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	23	22	21	20	
	2000	LIQUID PRESSURE (PSIG)	190	228	270	311	363	415	471	530
		LIQUID TEMPERATURE (°F)	59	69	78	88	98	108	117	128
		LIQUID SUBCOOLING (°F)	8	9	11	11	12	12	12	11
		SUCTION PRESSURE (PSIG)	119	123	127	131	134	137	140	143
		SUCTION TEMPERATURE (°F)	62	60	59	58	59	60	61	63
		SUCTION SUPERHEAT (°F)	22	18	15	13	12	12	12	13
OUTDOOR UNIT CURRENT (A)		12.1	13.2	14.7	16.4	18.5	20.8	23.4	26.2	
COMPRESSOR CURRENT (A)		10.7	11.7	13.1	14.7	16.7	18.9	21.5	24.3	
INDOOR COIL DB TEMP DROP (°F)	22	22	22	21	21	20	19	18		

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## YFK60B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued) (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1500	LIQUID PRESSURE (PSIG)	186	223	264	305	358	411	468	528
		LIQUID TEMPERATURE (°F)	57	68	78	86	98	107	117	127
		LIQUID SUBCOOLING (°F)	8	9	10	11	11	12	12	11
		SUCTION PRESSURE (PSIG)	107	111	115	119	123	127	131	136
		SUCTION TEMPERATURE (°F)	52	52	51	51	52	54	55	58
		SUCTION SUPERHEAT (°F)	17	15	12	11	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	11.8	12.9	14.3	16.1	18.1	20.4	23.1	26.0
		COMPRESSOR CURRENT (A)	10.4	11.4	12.7	14.4	16.4	18.6	21.2	24.1
	INDOOR COIL DB TEMP DROP (°F)	35	34	34	33	32	30	29	27	
	1750	LIQUID PRESSURE (PSIG)	187	224	265	306	359	412	469	529
		LIQUID TEMPERATURE (°F)	58	68	78	87	98	107	117	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	11	12	12	11
		SUCTION PRESSURE (PSIG)	112	116	120	124	128	132	136	141
		SUCTION TEMPERATURE (°F)	55	55	54	55	55	57	58	61
		SUCTION SUPERHEAT (°F)	18	16	13	12	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	11.9	13.0	14.4	16.2	18.2	20.5	23.2	26.1
		COMPRESSOR CURRENT (A)	10.5	11.5	12.8	14.5	16.5	18.7	21.3	24.2
	INDOOR COIL DB TEMP DROP (°F)	32	31	31	30	29	27	26	24	
	2000	LIQUID PRESSURE (PSIG)	188	225	266	307	360	413	470	530
		LIQUID TEMPERATURE (°F)	58	68	78	87	98	107	117	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	11	12	12	11
		SUCTION PRESSURE (PSIG)	117	121	125	129	133	137	141	146
		SUCTION TEMPERATURE (°F)	58	58	57	58	58	60	61	64
		SUCTION SUPERHEAT (°F)	19	17	14	13	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.5	16.3	18.3	20.6	23.3	26.2
		COMPRESSOR CURRENT (A)	10.6	11.6	12.9	14.6	16.6	18.8	21.4	24.3
	INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	24	23	21	
	80/62	1500	LIQUID PRESSURE (PSIG)	188	226	267	308	361	413	469
LIQUID TEMPERATURE (°F)			58	68	78	87	97	107	117	127
LIQUID SUBCOOLING (°F)			8	9	10	11	12	12	12	11
SUCTION PRESSURE (PSIG)			114	118	122	126	129	133	136	139
SUCTION TEMPERATURE (°F)			60	57	56	54	55	55	57	60
SUCTION SUPERHEAT (°F)			22	17	14	11	10	9	10	11
OUTDOOR UNIT CURRENT (A)			12.0	13.1	14.6	16.3	18.4	20.7	23.3	26.1
COMPRESSOR CURRENT (A)			10.5	11.6	13.0	14.6	16.6	18.8	21.4	24.3
INDOOR COIL DB TEMP DROP (°F)		29	30	30	30	29	28	27	26	
1750		LIQUID PRESSURE (PSIG)	189	227	268	309	362	414	470	529
		LIQUID TEMPERATURE (°F)	58	69	79	87	97	107	117	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	12	12	11
		SUCTION PRESSURE (PSIG)	117	121	125	129	132	136	139	142
		SUCTION TEMPERATURE (°F)	62	59	58	57	57	57	60	62
		SUCTION SUPERHEAT (°F)	23	18	15	12	11	10	11	12
		OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.6	16.3	18.4	20.7	23.3	26.1
		COMPRESSOR CURRENT (A)	10.5	11.6	13.0	14.6	16.6	18.8	21.4	24.3
INDOOR COIL DB TEMP DROP (°F)		27	28	28	28	27	26	25	24	
2000		LIQUID PRESSURE (PSIG)	190	228	269	310	363	415	471	530
		LIQUID TEMPERATURE (°F)	59	69	79	87	98	108	117	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	12	12	11
		SUCTION PRESSURE (PSIG)	120	124	128	132	135	139	142	145
		SUCTION TEMPERATURE (°F)	65	62	60	59	59	60	62	64
		SUCTION SUPERHEAT (°F)	24	19	16	13	12	11	12	13
		OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.6	16.3	18.4	20.7	23.3	26.1
		COMPRESSOR CURRENT (A)	10.5	11.6	13.0	14.6	16.6	18.8	21.4	24.3
INDOOR COIL DB TEMP DROP (°F)		25	26	26	26	25	24	23	22	

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## YFK60B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued) (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1500	LIQUID PRESSURE (PSIG)	189	228	270	311	365	417	474	533
		LIQUID TEMPERATURE (°F)	57	68	78	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	11	12	12	12	12	12
		SUCTION PRESSURE (PSIG)	117	124	131	136	141	144	147	148
		SUCTION TEMPERATURE (°F)	66	64	61	59	59	60	62	64
		SUCTION SUPERHEAT (°F)	27	21	16	12	10	9	10	12
		OUTDOOR UNIT CURRENT (A)	12.0	13.2	14.7	16.5	18.6	20.9	23.5	26.4
		COMPRESSOR CURRENT (A)	10.6	11.7	13.1	14.8	16.8	19.1	21.6	24.5
	INDOOR COIL DB TEMP DROP (°F)	24	25	25	25	25	24	23	22	
	1750	LIQUID PRESSURE (PSIG)	190	229	271	312	366	418	475	534
		LIQUID TEMPERATURE (°F)	58	68	78	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	11	12	12	12	12	12
		SUCTION PRESSURE (PSIG)	120	127	134	139	144	147	150	151
		SUCTION TEMPERATURE (°F)	69	66	64	62	62	62	64	66
		SUCTION SUPERHEAT (°F)	28	22	17	13	11	10	11	13
		OUTDOOR UNIT CURRENT (A)	12.0	13.2	14.7	16.5	18.6	20.9	23.5	26.4
		COMPRESSOR CURRENT (A)	10.6	11.7	13.1	14.8	16.8	19.1	21.6	24.5
	INDOOR COIL DB TEMP DROP (°F)	22	23	23	23	23	22	21	20	
	2000	LIQUID PRESSURE (PSIG)	191	230	272	313	367	419	476	535
		LIQUID TEMPERATURE (°F)	58	69	79	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	11	12	12	12	12	12
		SUCTION PRESSURE (PSIG)	123	130	137	142	147	150	153	154
		SUCTION TEMPERATURE (°F)	71	68	66	64	64	64	66	68
		SUCTION SUPERHEAT (°F)	29	23	18	14	12	11	12	14
OUTDOOR UNIT CURRENT (A)		12.0	13.2	14.7	16.5	18.6	20.9	23.5	26.4	
COMPRESSOR CURRENT (A)		10.6	11.7	13.1	14.8	16.8	19.1	21.6	24.5	
INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	21	20	19	18		
80/72	1500	LIQUID PRESSURE (PSIG)	189	229	273	315	369	422	478	538
		LIQUID TEMPERATURE (°F)	57	68	78	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	9	10	12	12	13	13	13	13
		SUCTION PRESSURE (PSIG)	119	130	140	147	153	158	160	161
		SUCTION TEMPERATURE (°F)	70	68	67	66	65	66	67	69
		SUCTION SUPERHEAT (°F)	30	23	18	14	11	10	10	12
		OUTDOOR UNIT CURRENT (A)	12.0	13.3	14.9	16.7	18.8	21.2	23.8	26.6
		COMPRESSOR CURRENT (A)	10.6	11.8	13.3	15.0	17.1	19.3	21.9	24.7
	INDOOR COIL DB TEMP DROP (°F)	19	20	20	20	20	19	19	17	
	1750	LIQUID PRESSURE (PSIG)	190	230	274	316	370	423	479	539
		LIQUID TEMPERATURE (°F)	58	69	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	12	12	13	13	13	13
		SUCTION PRESSURE (PSIG)	121	132	142	149	155	160	162	163
		SUCTION TEMPERATURE (°F)	72	70	69	68	67	68	68	71
		SUCTION SUPERHEAT (°F)	31	24	19	15	12	11	11	13
		OUTDOOR UNIT CURRENT (A)	12.0	13.3	14.9	16.7	18.8	21.2	23.8	26.6
		COMPRESSOR CURRENT (A)	10.6	11.8	13.3	15.0	17.1	19.3	21.9	24.7
	INDOOR COIL DB TEMP DROP (°F)	17	18	18	18	18	17	17	15	
	2000	LIQUID PRESSURE (PSIG)	191	231	275	317	371	424	480	540
		LIQUID TEMPERATURE (°F)	58	69	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	12	12	13	13	13	13
		SUCTION PRESSURE (PSIG)	123	134	144	151	157	162	164	165
		SUCTION TEMPERATURE (°F)	74	72	71	69	68	69	70	72
		SUCTION SUPERHEAT (°F)	32	25	20	16	13	12	12	14
OUTDOOR UNIT CURRENT (A)		12.0	13.3	14.9	16.7	18.8	21.2	23.8	26.6	
COMPRESSOR CURRENT (A)		10.6	11.8	13.3	15.0	17.1	19.3	21.9	24.7	
INDOOR COIL DB TEMP DROP (°F)	15	16	16	16	16	15	15	13		

FOR USE WITH MODELS:

**YXT24B21S**  
**AC19B2421S**  
**AL19B2421S**

YXT24B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	187(10)	189(11)	190(11)	192(11)
60	202(10)	204(10)	206(11)	208(11)
65	219(10)	221(10)	223(11)	224(11)
70	237(10)	239(10)	241(11)	242(11)
75	256(10)	258(10)	260(11)	262(11)
80	271(10)	273(10)	275(10)	277(11)
85	292(10)	294(10)	296(10)	298(11)
90	320(10)	321(10)	324(10)	326(11)
95	343(10)	345(10)	347(10)	349(11)
100	368(10)	369(10)	372(10)	374(11)
105	394(10)	395(10)	398(10)	400(11)
110	421(10)	422(10)	424(10)	427(11)
115	449(10)	450(10)	452(10)	455(11)
120	478(10)	479(10)	481(11)	484(11)
125	509(10)	509(10)	511(11)	515(11)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

## YXT24B21S HIGH SPEED COOLING W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	188	220	257	293	344	394	449	509
		LIQUID TEMPERATURE (°F)	55	66	76	85	96	106	116	124
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	123	125	127	129	131	133	135	137
		SUCTION TEMPERATURE (°F)	55	56	58	59	60	62	65	67
		SUCTION SUPERHEAT (°F)	13	13	14	14	15	16	18	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	4.9	5.6	6.4	7.3	8.3
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	24	23	23	22	
	800	LIQUID PRESSURE (PSIG)	189	221	258	294	345	395	450	510
		LIQUID TEMPERATURE (°F)	55	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	129	131	133	135	137	139	141	143
		SUCTION TEMPERATURE (°F)	58	58	60	61	63	65	67	69
		SUCTION SUPERHEAT (°F)	13	13	14	14	15	16	18	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	4.9	5.6	6.4	7.3	8.3
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	20	19	
	1000	LIQUID PRESSURE (PSIG)	190	222	259	295	346	396	451	511
		LIQUID TEMPERATURE (°F)	56	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	135	137	139	141	143	145	147	149
		SUCTION TEMPERATURE (°F)	60	61	63	63	65	67	70	72
		SUCTION SUPERHEAT (°F)	13	13	14	14	15	16	18	19
OUTDOOR UNIT CURRENT (A)		4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6	
COMPRESSOR CURRENT (A)		3.5	3.9	4.4	4.9	5.6	6.4	7.3	8.3	
INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	17	16		

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## YXT24B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	600	LIQUID PRESSURE (PSIG)	186	218	255	291	342	393	448	508
		LIQUID TEMPERATURE (°F)	55	65	75	84	95	106	115	125
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	111	115	119	123	127	130	133	136
		SUCTION TEMPERATURE (°F)	50	53	54	56	59	61	63	66
		SUCTION SUPERHEAT (°F)	13	14	14	14	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.4	3.9	4.4	5.0	5.6	6.4	7.3	8.3
	INDOOR COIL DB TEMP DROP (°F)	34	33	32	31	30	29	28	27	
	800	LIQUID PRESSURE (PSIG)	187	219	256	292	343	394	449	509
		LIQUID TEMPERATURE (°F)	56	65	75	84	96	106	116	125
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	121	125	129	133	137	140	143	146
		SUCTION TEMPERATURE (°F)	54	57	59	60	63	65	67	70
		SUCTION SUPERHEAT (°F)	13	14	14	14	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.4	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.4	3.9	4.4	5.0	5.6	6.4	7.3	8.3
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	24	23	
	1000	LIQUID PRESSURE (PSIG)	188	220	257	293	344	395	450	510
		LIQUID TEMPERATURE (°F)	56	66	76	85	96	106	116	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	131	135	139	143	147	150	153	156
		SUCTION TEMPERATURE (°F)	58	61	63	64	67	69	71	74
		SUCTION SUPERHEAT (°F)	13	14	14	14	15	16	17	19
OUTDOOR UNIT CURRENT (A)		4.0	4.4	5.0	5.7	6.5	7.4	8.4	9.6	
COMPRESSOR CURRENT (A)		3.4	3.9	4.4	5.0	5.6	6.4	7.3	8.3	
INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20	19		
80/62	600	LIQUID PRESSURE (PSIG)	188	220	257	293	344	394	449	508
		LIQUID TEMPERATURE (°F)	55	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	124	125	127	130	132	134	137	139
		SUCTION TEMPERATURE (°F)	56	56	57	59	61	63	66	68
		SUCTION SUPERHEAT (°F)	13	13	13	14	15	16	18	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	5.0	5.7	6.5	7.3	8.3
	INDOOR COIL DB TEMP DROP (°F)	30	30	29	29	28	28	27	26	
	800	LIQUID PRESSURE (PSIG)	189	221	258	294	345	395	450	509
		LIQUID TEMPERATURE (°F)	55	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	131	132	134	137	139	141	144	146
		SUCTION TEMPERATURE (°F)	58	59	60	62	64	65	69	70
		SUCTION SUPERHEAT (°F)	13	13	13	14	15	16	18	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	5.0	5.7	6.5	7.3	8.3
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	25	25	24	23	
	1000	LIQUID PRESSURE (PSIG)	190	222	259	295	346	396	451	510
		LIQUID TEMPERATURE (°F)	56	66	76	85	96	106	116	126
		LIQUID SUBCOOLING (°F)	11	10	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	138	139	141	144	146	148	151	153
		SUCTION TEMPERATURE (°F)	61	62	62	65	66	68	71	73
		SUCTION SUPERHEAT (°F)	13	13	13	14	15	16	18	19
OUTDOOR UNIT CURRENT (A)		4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6	
COMPRESSOR CURRENT (A)		3.5	3.9	4.4	5.0	5.7	6.5	7.3	8.3	
INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	22	22	21	20		

Continued on next page.

## YXT24B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	600	LIQUID PRESSURE (PSIG)	190	223	260	296	347	398	452	511
		LIQUID TEMPERATURE (°F)	56	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	134	137	139	141	143	146	148	150
		SUCTION TEMPERATURE (°F)	61	62	63	64	65	67	69	72
		SUCTION SUPERHEAT (°F)	14	14	14	15	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	5.0	5.6	6.4	7.3	8.2
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	25	24	23	23	22	
	800	LIQUID PRESSURE (PSIG)	190	223	260	296	347	398	452	511
		LIQUID TEMPERATURE (°F)	56	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	140	143	145	147	149	152	154	156
		SUCTION TEMPERATURE (°F)	63	64	65	67	68	70	71	74
		SUCTION SUPERHEAT (°F)	14	14	14	15	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	5.0	5.6	6.4	7.3	8.2
	INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	21	20	20	19	
	1000	LIQUID PRESSURE (PSIG)	190	223	260	296	347	398	452	511
		LIQUID TEMPERATURE (°F)	56	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	146	149	151	153	155	158	160	162
		SUCTION TEMPERATURE (°F)	65	67	67	69	70	72	74	76
		SUCTION SUPERHEAT (°F)	14	14	14	15	15	16	17	19
OUTDOOR UNIT CURRENT (A)		4.0	4.5	5.0	5.7	6.5	7.4	8.4	9.6	
COMPRESSOR CURRENT (A)		3.5	3.9	4.4	5.0	5.6	6.4	7.3	8.2	
INDOOR COIL DB TEMP DROP (°F)	20	19	19	19	18	17	17	16		
80/72	600	LIQUID PRESSURE (PSIG)	191	223	261	297	348	399	454	514
		LIQUID TEMPERATURE (°F)	56	66	76	84	96	106	115	125
		LIQUID SUBCOOLING (°F)	11	11	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	145	148	152	154	157	159	161	162
		SUCTION TEMPERATURE (°F)	66	66	68	68	69	71	73	75
		SUCTION SUPERHEAT (°F)	15	14	14	14	14	15	16	18
		OUTDOOR UNIT CURRENT (A)	4.1	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	5.0	5.7	6.4	7.3	8.3
	INDOOR COIL DB TEMP DROP (°F)	21	20	20	20	19	19	18	18	
	800	LIQUID PRESSURE (PSIG)	192	224	262	298	349	400	455	515
		LIQUID TEMPERATURE (°F)	56	66	76	85	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	149	152	156	158	161	163	165	166
		SUCTION TEMPERATURE (°F)	69	69	70	71	72	74	75	78
		SUCTION SUPERHEAT (°F)	16	15	15	15	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	4.1	4.5	5.0	5.7	6.5	7.4	8.4	9.6
		COMPRESSOR CURRENT (A)	3.5	3.9	4.4	5.0	5.7	6.4	7.3	8.3
	INDOOR COIL DB TEMP DROP (°F)	18	17	17	17	16	16	15	15	
	1000	LIQUID PRESSURE (PSIG)	193	225	263	299	350	401	456	516
		LIQUID TEMPERATURE (°F)	57	66	76	85	96	106	116	126
		LIQUID SUBCOOLING (°F)	11	11	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	153	156	160	162	165	167	169	170
		SUCTION TEMPERATURE (°F)	71	71	73	73	74	76	78	80
		SUCTION SUPERHEAT (°F)	17	16	16	16	16	17	18	20
OUTDOOR UNIT CURRENT (A)		4.1	4.5	5.0	5.7	6.5	7.4	8.4	9.6	
COMPRESSOR CURRENT (A)		3.5	3.9	4.4	5.0	5.7	6.4	7.3	8.3	
INDOOR COIL DB TEMP DROP (°F)	15	14	14	14	13	13	12	12		

FOR USE WITH MODELS:

**YXT36B21S**  
**AC19B3621S**  
**AL19B3621S**

YXT36B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	187(8)	188(8)	189(9)	190(9)
60	202(8)	203(8)	204(9)	205(9)
65	219(8)	219(8)	221(9)	222(9)
70	236(8)	236(8)	238(9)	240(9)
75	255(8)	254(8)	257(9)	259(9)
80	276(8)	276(8)	280(9)	281(9)
85	297(8)	297(8)	301(9)	303(9)
90	317(8)	316(8)	320(9)	323(9)
95	340(8)	340(8)	343(9)	346(9)
100	364(8)	364(8)	368(9)	371(9)
105	390(8)	389(8)	393(8)	396(9)
110	416(7)	416(8)	420(8)	423(9)
115	444(7)	443(7)	447(8)	451(8)
120	473(7)	472(7)	476(8)	479(8)
125	503(7)	502(7)	506(7)	509(8)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

**YXT36B21S HIGH SPEED COOLING W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	950	LIQUID PRESSURE (PSIG)	187	219	255	297	340	390	444	502
		LIQUID TEMPERATURE (°F)	58	67	76	86	97	107	118	127
		LIQUID SUBCOOLING (°F)	8	8	9	9	8	8	7	7
		SUCTION PRESSURE (PSIG)	120	124	127	130	133	136	138	140
		SUCTION TEMPERATURE (°F)	59	58	56	56	56	57	58	61
		SUCTION SUPERHEAT (°F)	18	15	12	11	10	10	10	12
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.8	9.8	11.1	12.4	13.9
		COMPRESSOR CURRENT (A)	5.6	6.1	6.8	7.7	8.7	9.9	11.2	12.7
		INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	23	23	22	21
	1200	LIQUID PRESSURE (PSIG)	188	220	256	298	341	391	445	503
		LIQUID TEMPERATURE (°F)	58	68	76	87	97	107	118	127
		LIQUID SUBCOOLING (°F)	8	8	9	9	8	8	7	7
		SUCTION PRESSURE (PSIG)	124	128	131	134	137	140	142	144
		SUCTION TEMPERATURE (°F)	62	60	58	59	59	60	61	64
		SUCTION SUPERHEAT (°F)	19	16	13	12	11	11	11	13
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.8	9.8	11.1	12.4	13.9
		COMPRESSOR CURRENT (A)	5.6	6.1	6.8	7.7	8.7	9.9	11.2	12.7
		INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	21	21	20	19
	1450	LIQUID PRESSURE (PSIG)	189	221	257	299	342	392	446	504
		LIQUID TEMPERATURE (°F)	58	68	77	87	97	107	118	128
		LIQUID SUBCOOLING (°F)	8	8	9	9	8	8	7	7
		SUCTION PRESSURE (PSIG)	128	132	135	138	141	144	146	148
		SUCTION TEMPERATURE (°F)	64	63	61	61	61	63	63	66
		SUCTION SUPERHEAT (°F)	20	17	14	13	12	12	12	14
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.8	9.8	11.1	12.4	13.9
		COMPRESSOR CURRENT (A)	5.6	6.1	6.8	7.7	8.7	9.9	11.2	12.7
		INDOOR COIL DB TEMP DROP (°F)	20	20	20	20	19	19	18	17

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## YXT36B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued) (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	950	LIQUID PRESSURE (PSIG)	186	218	254	296	339	389	443	502
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	118	127
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	8	7	7
		SUCTION PRESSURE (PSIG)	112	117	121	125	129	133	136	140
		SUCTION TEMPERATURE (°F)	52	52	52	53	55	56	58	61
		SUCTION SUPERHEAT (°F)	15	13	11	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.8	9.8	11.1	12.4	13.9
		COMPRESSOR CURRENT (A)	5.5	6.1	6.8	7.7	8.7	9.8	11.1	12.6
	INDOOR COIL DB TEMP DROP (°F)	34	33	32	31	30	29	28	27	
	1200	LIQUID PRESSURE (PSIG)	187	219	255	297	340	390	444	503
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	118	127
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	8	7	7
		SUCTION PRESSURE (PSIG)	119	124	128	132	136	140	143	147
		SUCTION TEMPERATURE (°F)	56	57	56	57	58	60	62	65
		SUCTION SUPERHEAT (°F)	16	14	12	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.8	9.8	11.1	12.4	13.9
		COMPRESSOR CURRENT (A)	5.5	6.1	6.8	7.7	8.7	9.8	11.1	12.6
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	24	23	
	1450	LIQUID PRESSURE (PSIG)	188	220	256	298	341	391	445	504
		LIQUID TEMPERATURE (°F)	58	68	77	88	97	107	118	128
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	8	7	7
		SUCTION PRESSURE (PSIG)	126	131	135	139	143	147	150	154
		SUCTION TEMPERATURE (°F)	61	61	61	62	63	65	67	69
		SUCTION SUPERHEAT (°F)	18	16	14	13	13	13	14	15
OUTDOOR UNIT CURRENT (A)		6.3	7.0	7.8	8.8	9.8	11.1	12.4	13.9	
COMPRESSOR CURRENT (A)		5.5	6.1	6.8	7.7	8.7	9.8	11.1	12.6	
INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20	19		
80/62	950	LIQUID PRESSURE (PSIG)	187	218	253	296	339	388	442	501
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	8	7	7
		SUCTION PRESSURE (PSIG)	120	124	128	132	135	138	140	143
		SUCTION TEMPERATURE (°F)	60	58	56	56	56	57	58	61
		SUCTION SUPERHEAT (°F)	19	15	12	10	9	9	9	11
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.7	9.8	11.0	12.4	13.9
		COMPRESSOR CURRENT (A)	5.6	6.1	6.8	7.7	8.7	9.9	11.2	12.6
	INDOOR COIL DB TEMP DROP (°F)	28	29	29	29	28	28	27	26	
	1200	LIQUID PRESSURE (PSIG)	188	219	254	297	340	389	443	502
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	118	127
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	8	7	7
		SUCTION PRESSURE (PSIG)	124	128	132	136	139	142	144	147
		SUCTION TEMPERATURE (°F)	64	61	60	59	60	61	62	65
		SUCTION SUPERHEAT (°F)	21	17	14	12	11	11	11	13
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.8	8.7	9.8	11.0	12.4	13.9
		COMPRESSOR CURRENT (A)	5.6	6.1	6.8	7.7	8.7	9.9	11.2	12.6
	INDOOR COIL DB TEMP DROP (°F)	25	26	26	26	25	25	24	23	
	1450	LIQUID PRESSURE (PSIG)	189	220	255	298	341	390	444	503
		LIQUID TEMPERATURE (°F)	58	68	77	88	97	107	118	127
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	8	7	7
		SUCTION PRESSURE (PSIG)	128	132	136	140	143	146	148	151
		SUCTION TEMPERATURE (°F)	67	65	63	63	63	64	65	68
		SUCTION SUPERHEAT (°F)	23	19	16	14	13	13	13	15
OUTDOOR UNIT CURRENT (A)		6.3	7.0	7.8	8.7	9.8	11.0	12.4	13.9	
COMPRESSOR CURRENT (A)		5.6	6.1	6.8	7.7	8.7	9.9	11.2	12.6	
INDOOR COIL DB TEMP DROP (°F)	22	23	23	23	22	22	21	20		

Continued on next page.

## YXT36B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued) (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	950	LIQUID PRESSURE (PSIG)	188	220	256	300	342	392	446	505
		LIQUID TEMPERATURE (°F)	57	67	76	87	96	107	117	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	8	8	7
		SUCTION PRESSURE (PSIG)	125	132	138	143	147	150	152	153
		SUCTION TEMPERATURE (°F)	67	65	63	62	63	63	65	67
		SUCTION SUPERHEAT (°F)	24	19	15	12	11	10	11	13
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.9	8.8	9.9	11.1	12.5	14.0
		COMPRESSOR CURRENT (A)	5.6	6.2	6.9	7.8	8.8	9.9	11.2	12.7
	INDOOR COIL DB TEMP DROP (°F)	23	24	24	24	24	24	23	22	
	1200	LIQUID PRESSURE (PSIG)	189	221	257	301	343	393	447	506
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	108	117	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	8	8	7
		SUCTION PRESSURE (PSIG)	128	135	141	146	150	153	155	156
		SUCTION TEMPERATURE (°F)	69	67	65	64	65	65	67	69
		SUCTION SUPERHEAT (°F)	25	20	16	13	12	11	12	14
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.9	8.8	9.9	11.1	12.5	14.0
		COMPRESSOR CURRENT (A)	5.6	6.2	6.9	7.8	8.8	9.9	11.2	12.7
	INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	21	21	20	19	
	1450	LIQUID PRESSURE (PSIG)	190	222	258	302	344	394	448	507
		LIQUID TEMPERATURE (°F)	58	67	77	88	97	108	117	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	8	8	7
		SUCTION PRESSURE (PSIG)	131	138	144	149	153	156	158	159
		SUCTION TEMPERATURE (°F)	71	69	68	67	67	67	69	71
		SUCTION SUPERHEAT (°F)	26	21	17	14	13	12	13	15
OUTDOOR UNIT CURRENT (A)		6.3	7.0	7.9	8.8	9.9	11.1	12.5	14.0	
COMPRESSOR CURRENT (A)		5.6	6.2	6.9	7.8	8.8	9.9	11.2	12.7	
INDOOR COIL DB TEMP DROP (°F)	17	18	18	18	18	18	17	16		
80/72	950	LIQUID PRESSURE (PSIG)	189	221	258	302	345	395	450	508
		LIQUID TEMPERATURE (°F)	57	67	77	88	97	107	118	127
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	9	8	8
		SUCTION PRESSURE (PSIG)	126	136	145	151	157	160	162	162
		SUCTION TEMPERATURE (°F)	69	68	68	67	68	69	69	71
		SUCTION SUPERHEAT (°F)	26	21	17	14	13	12	12	14
		OUTDOOR UNIT CURRENT (A)	6.4	7.1	7.9	8.9	10.0	11.2	12.6	14.0
		COMPRESSOR CURRENT (A)	5.6	6.2	6.9	7.8	8.9	10.0	11.3	12.7
	INDOOR COIL DB TEMP DROP (°F)	18	18	19	19	19	18	17	16	
	1200	LIQUID PRESSURE (PSIG)	190	222	259	303	346	396	451	509
		LIQUID TEMPERATURE (°F)	58	67	77	88	97	107	118	127
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	9	8	8
		SUCTION PRESSURE (PSIG)	129	139	148	154	160	163	165	165
		SUCTION TEMPERATURE (°F)	72	71	70	69	71	71	71	73
		SUCTION SUPERHEAT (°F)	27	22	18	15	14	13	13	15
		OUTDOOR UNIT CURRENT (A)	6.4	7.1	7.9	8.9	10.0	11.2	12.6	14.0
		COMPRESSOR CURRENT (A)	5.6	6.2	6.9	7.8	8.9	10.0	11.3	12.7
	INDOOR COIL DB TEMP DROP (°F)	16	16	17	17	17	16	15	14	
	1450	LIQUID PRESSURE (PSIG)	191	223	260	304	347	397	452	510
		LIQUID TEMPERATURE (°F)	58	68	78	88	97	107	118	128
		LIQUID SUBCOOLING (°F)	9	9	9	9	9	9	8	8
		SUCTION PRESSURE (PSIG)	132	142	151	157	163	166	168	168
		SUCTION TEMPERATURE (°F)	74	73	72	71	73	73	73	75
		SUCTION SUPERHEAT (°F)	28	23	19	16	15	14	14	16
OUTDOOR UNIT CURRENT (A)		6.4	7.1	7.9	8.9	10.0	11.2	12.6	14.0	
COMPRESSOR CURRENT (A)		5.6	6.2	6.9	7.8	8.9	10.0	11.3	12.7	
INDOOR COIL DB TEMP DROP (°F)	14	14	15	15	15	14	13	12		

FOR USE WITH MODELS:

**YXT48B21S**  
**AC19B4821S**  
**AL19B4821S**

YXT48B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	197(10)	199(11)	202(11)	203(12)
60	211(10)	213(10)	216(11)	217(12)
65	226(10)	228(10)	231(11)	233(11)
70	243(9)	245(10)	247(10)	250(11)
75	261(9)	262(10)	265(10)	268(11)
80	280(9)	281(10)	284(10)	287(10)
85	300(9)	302(9)	305(10)	308(10)
90	322(9)	324(9)	327(10)	330(10)
95	345(9)	347(9)	350(10)	353(10)
100	369(9)	371(9)	375(10)	378(10)
105	395(9)	397(9)	400(10)	404(10)
110	422(9)	424(9)	428(10)	431(10)
115	450(9)	452(9)	456(10)	460(10)
120	480(9)	482(9)	486(10)	490(10)
125	511(9)	513(9)	517(10)	521(10)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

**YXT48B21S HIGH SPEED COOLING W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1350	LIQUID PRESSURE (PSIG)	198	227	262	301	346	396	451	511
		LIQUID TEMPERATURE (°F)	58	68	77	86	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	10	9	9	9	9
		SUCTION PRESSURE (PSIG)	122	124	127	130	132	135	137	139
		SUCTION TEMPERATURE (°F)	57	56	56	56	57	58	60	63
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	9.6	10.5	11.7	13.1	14.8	16.6	18.7	21.0
		COMPRESSOR CURRENT (A)	8.7	9.4	10.3	11.5	13.0	14.7	16.7	19.0
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	23	23	22	21	
	1600	LIQUID PRESSURE (PSIG)	199	228	263	302	347	397	452	512
		LIQUID TEMPERATURE (°F)	58	68	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	10	9	9	9	9
		SUCTION PRESSURE (PSIG)	125	127	130	133	135	138	140	142
		SUCTION TEMPERATURE (°F)	58	57	57	57	58	59	61	64
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	9.6	10.5	11.7	13.1	14.8	16.6	18.7	21.0
		COMPRESSOR CURRENT (A)	8.7	9.4	10.3	11.5	13.0	14.7	16.7	19.0
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	21	21	20	19	
	1850	LIQUID PRESSURE (PSIG)	200	229	264	303	348	398	453	513
		LIQUID TEMPERATURE (°F)	59	68	78	87	98	107	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	10	9	9	9	9
		SUCTION PRESSURE (PSIG)	128	130	133	136	138	141	143	145
		SUCTION TEMPERATURE (°F)	59	58	58	58	59	60	62	65
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	11	12	14
OUTDOOR UNIT CURRENT (A)		9.6	10.5	11.7	13.1	14.8	16.6	18.7	21.0	
COMPRESSOR CURRENT (A)		8.7	9.4	10.3	11.5	13.0	14.7	16.7	19.0	
INDOOR COIL DB TEMP DROP (°F)	20	20	20	20	19	19	18	17		

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## YXT48B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued) (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1350	LIQUID PRESSURE (PSIG)	195	224	259	298	343	393	448	509
		LIQUID TEMPERATURE (°F)	58	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	10	9	9	9	9	9	9
		SUCTION PRESSURE (PSIG)	112	116	119	123	126	129	133	136
		SUCTION TEMPERATURE (°F)	52	52	52	53	54	57	59	61
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	9.4	10.4	11.5	13.0	14.6	16.4	18.5	20.8
		COMPRESSOR CURRENT (A)	8.5	9.2	10.1	11.3	12.8	14.6	16.6	18.8
		INDOOR COIL DB TEMP DROP (°F)	32	32	31	30	29	28	27	26
	1600	LIQUID PRESSURE (PSIG)	197	226	261	300	345	395	450	511
		LIQUID TEMPERATURE (°F)	59	67	78	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	9	9	9	9	9	9
		SUCTION PRESSURE (PSIG)	119	123	126	130	133	136	140	143
		SUCTION TEMPERATURE (°F)	55	55	55	56	57	59	62	64
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	9.5	10.5	11.6	13.1	14.7	16.5	18.6	20.9
		COMPRESSOR CURRENT (A)	8.6	9.3	10.2	11.4	12.9	14.7	16.7	18.9
		INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	26	25	24	23
	1850	LIQUID PRESSURE (PSIG)	199	228	263	302	347	397	452	513
		LIQUID TEMPERATURE (°F)	59	68	78	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	9	9	9	9	9	9
		SUCTION PRESSURE (PSIG)	126	130	133	137	140	143	147	150
		SUCTION TEMPERATURE (°F)	58	58	58	59	60	62	65	67
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	12	13	14
OUTDOOR UNIT CURRENT (A)		9.6	10.6	11.7	13.2	14.8	16.6	18.7	21.0	
COMPRESSOR CURRENT (A)		8.7	9.4	10.3	11.5	13.0	14.8	16.8	19.0	
INDOOR COIL DB TEMP DROP (°F)		26	26	25	24	23	22	21	20	
80/62	1350	LIQUID PRESSURE (PSIG)	198	227	261	301	346	396	451	512
		LIQUID TEMPERATURE (°F)	58	68	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	9	9	9	9	9
		SUCTION PRESSURE (PSIG)	122	124	127	130	132	135	138	142
		SUCTION TEMPERATURE (°F)	58	57	56	56	57	58	60	63
		SUCTION SUPERHEAT (°F)	16	14	12	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	9.6	10.6	11.7	13.1	14.7	16.6	18.7	21.0
		COMPRESSOR CURRENT (A)	8.7	9.4	10.3	11.5	13.0	14.7	16.7	19.0
		INDOOR COIL DB TEMP DROP (°F)	28	28	28	28	27	26	26	24
	1600	LIQUID PRESSURE (PSIG)	199	228	262	302	347	397	452	513
		LIQUID TEMPERATURE (°F)	58	68	77	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	9	9	9	9	9
		SUCTION PRESSURE (PSIG)	126	128	131	134	136	139	142	146
		SUCTION TEMPERATURE (°F)	59	58	57	58	58	60	62	64
		SUCTION SUPERHEAT (°F)	16	14	12	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	9.6	10.6	11.7	13.1	14.7	16.6	18.7	21.0
		COMPRESSOR CURRENT (A)	8.7	9.4	10.3	11.5	13.0	14.7	16.7	19.0
		INDOOR COIL DB TEMP DROP (°F)	26	26	26	26	25	24	24	22
	1850	LIQUID PRESSURE (PSIG)	200	229	263	303	348	398	453	514
		LIQUID TEMPERATURE (°F)	59	68	77	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	11	10	10	9	9	9	9	9
		SUCTION PRESSURE (PSIG)	130	132	135	138	140	143	146	150
		SUCTION TEMPERATURE (°F)	61	60	59	59	60	61	63	66
		SUCTION SUPERHEAT (°F)	16	14	12	11	11	11	12	13
OUTDOOR UNIT CURRENT (A)		9.6	10.6	11.7	13.1	14.7	16.6	18.7	21.0	
COMPRESSOR CURRENT (A)		8.7	9.4	10.3	11.5	13.0	14.7	16.7	19.0	
INDOOR COIL DB TEMP DROP (°F)		24	24	24	24	23	22	22	20	

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## YXT48B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued) (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1350	LIQUID PRESSURE (PSIG)	201	230	264	304	349	399	455	516
		LIQUID TEMPERATURE (°F)	59	68	78	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	130	134	138	142	145	148	150	152
		SUCTION TEMPERATURE (°F)	64	63	61	61	61	62	63	66
		SUCTION SUPERHEAT (°F)	19	16	13	11	10	10	10	12
		OUTDOOR UNIT CURRENT (A)	9.6	10.6	11.8	13.2	14.8	16.7	18.8	21.1
		COMPRESSOR CURRENT (A)	8.8	9.5	10.5	11.7	13.1	14.9	16.9	19.1
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	23	23	22	21	
	1600	LIQUID PRESSURE (PSIG)	202	231	265	305	350	400	456	517
		LIQUID TEMPERATURE (°F)	59	68	78	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	133	137	141	145	148	151	153	155
		SUCTION TEMPERATURE (°F)	66	65	63	63	63	64	65	68
		SUCTION SUPERHEAT (°F)	20	17	14	12	11	11	11	13
		OUTDOOR UNIT CURRENT (A)	9.7	10.7	11.9	13.3	14.9	16.8	18.9	21.2
		COMPRESSOR CURRENT (A)	8.8	9.5	10.5	11.7	13.1	14.9	16.9	19.1
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	21	21	20	19	
	1850	LIQUID PRESSURE (PSIG)	203	232	266	306	351	401	457	518
		LIQUID TEMPERATURE (°F)	60	68	78	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	136	140	144	148	151	154	156	158
		SUCTION TEMPERATURE (°F)	68	67	66	65	65	66	67	70
		SUCTION SUPERHEAT (°F)	21	18	15	13	12	12	12	14
OUTDOOR UNIT CURRENT (A)		9.8	10.8	12.0	13.4	15.0	16.9	19.0	21.3	
COMPRESSOR CURRENT (A)		8.8	9.5	10.5	11.7	13.1	14.9	16.9	19.1	
INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	19	19	18	17		
80/72	1350	LIQUID PRESSURE (PSIG)	202	232	267	307	352	403	459	520
		LIQUID TEMPERATURE (°F)	58	68	77	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	12	11	11	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	133	140	147	153	157	161	163	164
		SUCTION TEMPERATURE (°F)	69	67	67	66	66	67	69	70
		SUCTION SUPERHEAT (°F)	23	18	15	12	11	10	11	12
		OUTDOOR UNIT CURRENT (A)	9.8	10.8	12.0	13.4	15.1	16.9	19.0	21.3
		COMPRESSOR CURRENT (A)	8.8	9.6	10.6	11.8	13.3	15.1	17.1	19.3
	INDOOR COIL DB TEMP DROP (°F)	18	18	19	19	18	18	17	16	
	1600	LIQUID PRESSURE (PSIG)	203	233	268	308	353	404	460	521
		LIQUID TEMPERATURE (°F)	59	68	78	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	12	11	11	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	136	143	150	156	160	164	166	167
		SUCTION TEMPERATURE (°F)	71	69	69	68	69	69	71	72
		SUCTION SUPERHEAT (°F)	24	19	16	13	12	11	12	13
		OUTDOOR UNIT CURRENT (A)	9.8	10.8	12.0	13.4	15.1	16.9	19.0	21.3
		COMPRESSOR CURRENT (A)	8.8	9.6	10.6	11.8	13.3	15.1	17.1	19.3
	INDOOR COIL DB TEMP DROP (°F)	16	16	17	17	16	16	15	14	
	1850	LIQUID PRESSURE (PSIG)	204	234	269	309	354	405	461	522
		LIQUID TEMPERATURE (°F)	59	69	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	12	11	11	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	139	146	153	159	163	167	169	170
		SUCTION TEMPERATURE (°F)	74	71	71	70	71	71	73	74
		SUCTION SUPERHEAT (°F)	25	20	17	14	13	12	13	14
OUTDOOR UNIT CURRENT (A)		9.8	10.8	12.0	13.4	15.1	16.9	19.0	21.3	
COMPRESSOR CURRENT (A)		8.8	9.6	10.6	11.8	13.3	15.1	17.1	19.3	
INDOOR COIL DB TEMP DROP (°F)	14	14	15	15	14	14	13	12		

FOR USE WITH MODELS:

**YXT60B21S**  
**AC19B6021S**  
**AL19B6021S**

YXT60B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	187(8)	189(8)	190(9)	190(9)
60	205(8)	207(9)	209(9)	210(10)
65	224(9)	227(9)	229(10)	230(10)
70	244(9)	247(10)	249(11)	251(11)
75	265(10)	268(10)	271(11)	274(12)
80	283(10)	286(11)	289(11)	292(12)
85	306(11)	309(11)	312(12)	316(12)
90	334(11)	337(11)	341(12)	345(13)
95	359(11)	362(12)	366(12)	370(13)
100	385(11)	388(12)	392(12)	396(13)
105	412(12)	414(12)	418(12)	423(13)
110	440(12)	442(12)	446(12)	451(13)
115	469(12)	470(12)	475(12)	479(13)
120	498(11)	499(12)	504(12)	508(13)
125	529(11)	529(11)	534(12)	539(13)

Charging chart is for use in High Stage (full capacity) mode only.

Charging chart is for use in Cooling mode only.

Subcooling Chart is for use with TXV indoor expansion device only.

**YXT60B21S HIGH SPEED COOLING W/ NOMINAL COIL**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1500	LIQUID PRESSURE (PSIG)	188	226	268	309	361	413	469	528
		LIQUID TEMPERATURE (°F)	58	68	78	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	8	9	11	11	12	12	12	11
		SUCTION PRESSURE (PSIG)	113	117	121	125	128	131	134	137
		SUCTION TEMPERATURE (°F)	58	55	54	54	54	55	57	59
		SUCTION SUPERHEAT (°F)	20	16	13	11	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	11.9	13.0	14.5	16.2	18.3	20.6	23.2	26.0
		COMPRESSOR CURRENT (A)	10.5	11.5	12.9	14.5	16.5	18.7	21.3	24.1
	INDOOR COIL DB TEMP DROP (°F)	26	26	26	25	25	24	23	22	
	LIQUID PRESSURE (PSIG)	189	227	269	310	362	414	470	529	
	LIQUID TEMPERATURE (°F)	58	69	78	87	97	107	117	128	
	LIQUID SUBCOOLING (°F)	8	9	11	11	12	12	12	11	
	SUCTION PRESSURE (PSIG)	116	120	124	128	131	134	137	140	
	SUCTION TEMPERATURE (°F)	60	58	57	56	56	58	59	61	
	SUCTION SUPERHEAT (°F)	21	17	14	12	11	11	11	12	
	OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.6	16.3	18.4	20.7	23.3	26.1	
	COMPRESSOR CURRENT (A)	10.6	11.6	13.0	14.6	16.6	18.8	21.4	24.2	
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	23	22	21	20	
	LIQUID PRESSURE (PSIG)	190	228	270	311	363	415	471	530	
	LIQUID TEMPERATURE (°F)	59	69	78	88	98	108	117	128	
	LIQUID SUBCOOLING (°F)	8	9	11	11	12	12	12	11	
	SUCTION PRESSURE (PSIG)	119	123	127	131	134	137	140	143	
	SUCTION TEMPERATURE (°F)	62	60	59	58	59	60	61	63	
	SUCTION SUPERHEAT (°F)	22	18	15	13	12	12	12	13	
OUTDOOR UNIT CURRENT (A)	12.1	13.2	14.7	16.4	18.5	20.8	23.4	26.2		
COMPRESSOR CURRENT (A)	10.7	11.7	13.1	14.7	16.7	18.9	21.5	24.3		
INDOOR COIL DB TEMP DROP (°F)	22	22	22	21	21	20	19	18		

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## YXT60B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued) (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1500	LIQUID PRESSURE (PSIG)	186	223	264	305	358	411	468	528
		LIQUID TEMPERATURE (°F)	57	68	78	86	98	107	117	127
		LIQUID SUBCOOLING (°F)	8	9	10	11	11	12	12	11
		SUCTION PRESSURE (PSIG)	107	111	115	119	123	127	131	136
		SUCTION TEMPERATURE (°F)	52	52	51	51	52	54	55	58
		SUCTION SUPERHEAT (°F)	17	15	12	11	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	11.8	12.9	14.3	16.1	18.1	20.4	23.1	26.0
		COMPRESSOR CURRENT (A)	10.4	11.4	12.7	14.4	16.4	18.6	21.2	24.1
	INDOOR COIL DB TEMP DROP (°F)	35	34	34	33	32	30	29	27	
	1750	LIQUID PRESSURE (PSIG)	187	224	265	306	359	412	469	529
		LIQUID TEMPERATURE (°F)	58	68	78	87	98	107	117	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	11	12	12	11
		SUCTION PRESSURE (PSIG)	112	116	120	124	128	132	136	141
		SUCTION TEMPERATURE (°F)	55	55	54	55	55	57	58	61
		SUCTION SUPERHEAT (°F)	18	16	13	12	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	11.9	13.0	14.4	16.2	18.2	20.5	23.2	26.1
		COMPRESSOR CURRENT (A)	10.5	11.5	12.8	14.5	16.5	18.7	21.3	24.2
	INDOOR COIL DB TEMP DROP (°F)	32	31	31	30	29	27	26	24	
	2000	LIQUID PRESSURE (PSIG)	188	225	266	307	360	413	470	530
		LIQUID TEMPERATURE (°F)	58	68	78	87	98	107	117	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	11	12	12	11
		SUCTION PRESSURE (PSIG)	117	121	125	129	133	137	141	146
		SUCTION TEMPERATURE (°F)	58	58	57	58	58	60	61	64
		SUCTION SUPERHEAT (°F)	19	17	14	13	12	12	12	13
OUTDOOR UNIT CURRENT (A)		12.0	13.1	14.5	16.3	18.3	20.6	23.3	26.2	
COMPRESSOR CURRENT (A)		10.6	11.6	12.9	14.6	16.6	18.8	21.4	24.3	
INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	24	23	21		
80/62	1500	LIQUID PRESSURE (PSIG)	188	226	267	308	361	413	469	528
		LIQUID TEMPERATURE (°F)	58	68	78	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	12	12	11
		SUCTION PRESSURE (PSIG)	114	118	122	126	129	133	136	139
		SUCTION TEMPERATURE (°F)	60	57	56	54	55	55	57	60
		SUCTION SUPERHEAT (°F)	22	17	14	11	10	9	10	11
		OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.6	16.3	18.4	20.7	23.3	26.1
		COMPRESSOR CURRENT (A)	10.5	11.6	13.0	14.6	16.6	18.8	21.4	24.3
	INDOOR COIL DB TEMP DROP (°F)	29	30	30	30	29	28	27	26	
	1750	LIQUID PRESSURE (PSIG)	189	227	268	309	362	414	470	529
		LIQUID TEMPERATURE (°F)	58	69	79	87	97	107	117	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	12	12	11
		SUCTION PRESSURE (PSIG)	117	121	125	129	132	136	139	142
		SUCTION TEMPERATURE (°F)	62	59	58	57	57	57	60	62
		SUCTION SUPERHEAT (°F)	23	18	15	12	11	10	11	12
		OUTDOOR UNIT CURRENT (A)	12.0	13.1	14.6	16.3	18.4	20.7	23.3	26.1
		COMPRESSOR CURRENT (A)	10.5	11.6	13.0	14.6	16.6	18.8	21.4	24.3
	INDOOR COIL DB TEMP DROP (°F)	27	28	28	28	27	26	25	24	
	2000	LIQUID PRESSURE (PSIG)	190	228	269	310	363	415	471	530
		LIQUID TEMPERATURE (°F)	59	69	79	87	98	108	117	128
		LIQUID SUBCOOLING (°F)	8	9	10	11	12	12	12	11
		SUCTION PRESSURE (PSIG)	120	124	128	132	135	139	142	145
		SUCTION TEMPERATURE (°F)	65	62	60	59	59	60	62	64
		SUCTION SUPERHEAT (°F)	24	19	16	13	12	11	12	13
OUTDOOR UNIT CURRENT (A)		12.0	13.1	14.6	16.3	18.4	20.7	23.3	26.1	
COMPRESSOR CURRENT (A)		10.5	11.6	13.0	14.6	16.6	18.8	21.4	24.3	
INDOOR COIL DB TEMP DROP (°F)	25	26	26	26	25	24	23	22		

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## YXT60B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued) (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1500	LIQUID PRESSURE (PSIG)	189	228	270	311	365	417	474	533
		LIQUID TEMPERATURE (°F)	57	68	78	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	11	12	12	12	12	12
		SUCTION PRESSURE (PSIG)	117	124	131	136	141	144	147	148
		SUCTION TEMPERATURE (°F)	66	64	61	59	59	60	62	64
		SUCTION SUPERHEAT (°F)	27	21	16	12	10	9	10	12
		OUTDOOR UNIT CURRENT (A)	12.0	13.2	14.7	16.5	18.6	20.9	23.5	26.4
		COMPRESSOR CURRENT (A)	10.6	11.7	13.1	14.8	16.8	19.1	21.6	24.5
		INDOOR COIL DB TEMP DROP (°F)	24	25	25	25	25	24	23	22
	1750	LIQUID PRESSURE (PSIG)	190	229	271	312	366	418	475	534
		LIQUID TEMPERATURE (°F)	58	68	78	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	11	12	12	12	12	12
		SUCTION PRESSURE (PSIG)	120	127	134	139	144	147	150	151
		SUCTION TEMPERATURE (°F)	69	66	64	62	62	62	64	66
		SUCTION SUPERHEAT (°F)	28	22	17	13	11	10	11	13
		OUTDOOR UNIT CURRENT (A)	12.0	13.2	14.7	16.5	18.6	20.9	23.5	26.4
		COMPRESSOR CURRENT (A)	10.6	11.7	13.1	14.8	16.8	19.1	21.6	24.5
		INDOOR COIL DB TEMP DROP (°F)	22	23	23	23	23	22	21	20
	2000	LIQUID PRESSURE (PSIG)	191	230	272	313	367	419	476	535
		LIQUID TEMPERATURE (°F)	58	69	79	87	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	11	12	12	12	12	12
		SUCTION PRESSURE (PSIG)	123	130	137	142	147	150	153	154
		SUCTION TEMPERATURE (°F)	71	68	66	64	64	64	66	68
		SUCTION SUPERHEAT (°F)	29	23	18	14	12	11	12	14
		OUTDOOR UNIT CURRENT (A)	12.0	13.2	14.7	16.5	18.6	20.9	23.5	26.4
		COMPRESSOR CURRENT (A)	10.6	11.7	13.1	14.8	16.8	19.1	21.6	24.5
		INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	21	20	19	18
	80/72	1500	LIQUID PRESSURE (PSIG)	189	229	273	315	369	422	478
LIQUID TEMPERATURE (°F)			57	68	78	88	98	108	117	127
LIQUID SUBCOOLING (°F)			9	10	12	12	13	13	13	13
SUCTION PRESSURE (PSIG)			119	130	140	147	153	158	160	161
SUCTION TEMPERATURE (°F)			70	68	67	66	65	66	67	69
SUCTION SUPERHEAT (°F)			30	23	18	14	11	10	10	12
OUTDOOR UNIT CURRENT (A)			12.0	13.3	14.9	16.7	18.8	21.2	23.8	26.6
COMPRESSOR CURRENT (A)			10.6	11.8	13.3	15.0	17.1	19.3	21.9	24.7
INDOOR COIL DB TEMP DROP (°F)			19	20	20	20	20	19	19	17
1750		LIQUID PRESSURE (PSIG)	190	230	274	316	370	423	479	539
		LIQUID TEMPERATURE (°F)	58	69	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	12	12	13	13	13	13
		SUCTION PRESSURE (PSIG)	121	132	142	149	155	160	162	163
		SUCTION TEMPERATURE (°F)	72	70	69	68	67	68	68	71
		SUCTION SUPERHEAT (°F)	31	24	19	15	12	11	11	13
		OUTDOOR UNIT CURRENT (A)	12.0	13.3	14.9	16.7	18.8	21.2	23.8	26.6
		COMPRESSOR CURRENT (A)	10.6	11.8	13.3	15.0	17.1	19.3	21.9	24.7
		INDOOR COIL DB TEMP DROP (°F)	17	18	18	18	18	17	17	15
2000		LIQUID PRESSURE (PSIG)	191	231	275	317	371	424	480	540
		LIQUID TEMPERATURE (°F)	58	69	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	12	12	13	13	13	13
		SUCTION PRESSURE (PSIG)	123	134	144	151	157	162	164	165
		SUCTION TEMPERATURE (°F)	74	72	71	69	68	69	70	72
		SUCTION SUPERHEAT (°F)	32	25	20	16	13	12	12	14
		OUTDOOR UNIT CURRENT (A)	12.0	13.3	14.9	16.7	18.8	21.2	23.8	26.6
		COMPRESSOR CURRENT (A)	10.6	11.8	13.3	15.0	17.1	19.3	21.9	24.7
		INDOOR COIL DB TEMP DROP (°F)	15	16	16	16	16	15	15	13

FOR USE WITH MODELS:

**YXV24B21S**  
**AC21B2421S**  
**AL21B2421S**

<b>YXV24B21S HIGH SPEED COOLING SUBCOOLING CHARGING CHART</b>				
<b>OUTDOOR AMBIENT DB (°F)</b>	<b>INDOOR WET BULB (°F) AT 80°F DRY BULB</b>			
	<b>57</b>	<b>62</b>	<b>67</b>	<b>72</b>
	<b>PRESSURE (PSIG) &amp; SUBCOOLING (°F) AT LIQUID BASE VALVE</b>			
55	189(6)	207(8)	212(9)	211(4)
60	202(6)	215(8)	220(9)	219(4)
65	216(7)	226(8)	230(8)	228(5)
70	232(7)	239(8)	242(8)	240(5)
75	249(7)	254(8)	256(8)	255(5)
80	269(7)	271(8)	272(7)	271(5)
85	290(8)	290(8)	291(7)	290(6)
90	313(8)	311(8)	312(7)	311(6)
95	337(8)	334(8)	335(7)	334(6)
100	363(9)	360(8)	360(8)	360(7)
105	391(9)	387(9)	388(8)	387(7)
110	420(9)	417(9)	418(8)	417(8)
115	451(10)	449(10)	450(9)	450(8)
120	484(10)	483(10)	484(10)	484(9)
125	518(11)	518(11)	520(10)	521(10)

Charging chart is for use in Service mode only.  
Charging chart is for use in Cooling mode only.

**YXV24B21S HIGH SPEED COOLING W/ NOMINAL COIL**

<b>ID DB / ID WB (°F)</b>	<b>ID AIRFLOW (SCFM)</b>	<b>OUTDOOR TEMPERATURE DB (°F)</b>	<b>COOLING SERVICE DATA</b>							
			<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>	<b>95</b>	<b>105</b>	<b>115</b>	<b>125</b>
75/62	680	LIQUID PRESSURE (PSIG)	211	229	255	290	334	387	449	519
		LIQUID TEMPERATURE (°F)	61	68	76	86	96	106	117	126
		LIQUID SUBCOOLING (°F)	12	10	9	8	8	8	9	11
		SUCTION PRESSURE (PSIG)	127	129	130	130	131	130	130	129
		SUCTION TEMPERATURE (°F)	49	50	49	49	50	51	52	54
		SUCTION SUPERHEAT (°F)	5	5	4	4	5	6	7	9
		OUTDOOR UNIT CURRENT (A)	3.7	4.2	5.0	6.1	7.5	9.3	11.3	13.6
		COMPRESSOR CURRENT (A)	3.5	3.8	4.4	5.4	6.7	8.4	10.5	12.9
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	23	22	23	23	
	780	LIQUID PRESSURE (PSIG)	211	229	255	290	334	387	449	519
		LIQUID TEMPERATURE (°F)	61	68	76	86	96	106	117	126
		LIQUID SUBCOOLING (°F)	12	10	9	8	8	8	9	11
		SUCTION PRESSURE (PSIG)	130	132	133	133	134	133	133	132
		SUCTION TEMPERATURE (°F)	50	51	50	50	52	52	53	55
		SUCTION SUPERHEAT (°F)	5	5	4	4	5	6	7	9
		OUTDOOR UNIT CURRENT (A)	3.7	4.2	5.0	6.1	7.5	9.3	11.3	13.6
		COMPRESSOR CURRENT (A)	3.5	3.8	4.4	5.4	6.7	8.4	10.5	12.9
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	22	21	22	22	
	880	LIQUID PRESSURE (PSIG)	211	229	255	290	334	387	449	519
		LIQUID TEMPERATURE (°F)	61	68	76	86	96	106	117	126
		LIQUID SUBCOOLING (°F)	12	10	9	8	8	8	9	11
		SUCTION PRESSURE (PSIG)	133	135	136	136	137	136	136	135
		SUCTION TEMPERATURE (°F)	51	52	51	51	53	53	54	56
		SUCTION SUPERHEAT (°F)	5	5	4	4	5	6	7	9
OUTDOOR UNIT CURRENT (A)		3.7	4.2	5.0	6.1	7.5	9.3	11.3	13.6	
COMPRESSOR CURRENT (A)		3.5	3.8	4.4	5.4	6.7	8.4	10.5	12.9	
INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	21	20	21	21		

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## YXV24B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	680	LIQUID PRESSURE (PSIG)	192	219	252	293	340	394	454	521
		LIQUID TEMPERATURE (°F)	60	67	76	86	96	106	115	125
		LIQUID SUBCOOLING (°F)	7	8	8	9	9	10	11	12
		SUCTION PRESSURE (PSIG)	122	123	124	124	124	124	124	123
		SUCTION TEMPERATURE (°F)	45	45	47	48	49	50	52	53
		SUCTION SUPERHEAT (°F)	3	3	4	5	6	7	9	11
		OUTDOOR UNIT CURRENT (A)	3.7	4.2	5.0	6.1	7.6	9.3	11.4	13.7
		COMPRESSOR CURRENT (A)	3.3	3.7	4.4	5.5	6.9	8.6	10.7	13.1
	INDOOR COIL DB TEMP DROP (°F)	29	29	29	29	29	29	29	29	
	780	LIQUID PRESSURE (PSIG)	189	216	249	290	337	391	451	518
		LIQUID TEMPERATURE (°F)	60	68	77	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	6	7	7	8	8	9	10	11
		SUCTION PRESSURE (PSIG)	127	128	129	129	129	129	129	128
		SUCTION TEMPERATURE (°F)	47	47	49	50	51	52	54	55
		SUCTION SUPERHEAT (°F)	3	3	4	5	6	7	9	11
		OUTDOOR UNIT CURRENT (A)	3.7	4.2	5.0	6.1	7.6	9.3	11.4	13.7
		COMPRESSOR CURRENT (A)	3.2	3.6	4.3	5.4	6.8	8.5	10.6	13.0
	INDOOR COIL DB TEMP DROP (°F)	27	27	27	27	27	27	27	27	
	880	LIQUID PRESSURE (PSIG)	186	213	246	287	334	388	448	515
		LIQUID TEMPERATURE (°F)	60	68	77	86	97	107	116	126
		LIQUID SUBCOOLING (°F)	5	6	6	7	7	8	9	10
		SUCTION PRESSURE (PSIG)	132	133	134	134	134	134	134	133
		SUCTION TEMPERATURE (°F)	49	49	51	52	53	54	56	57
		SUCTION SUPERHEAT (°F)	3	3	4	5	6	7	9	11
		OUTDOOR UNIT CURRENT (A)	3.7	4.2	5.0	6.1	7.6	9.3	11.4	13.7
		COMPRESSOR CURRENT (A)	3.1	3.5	4.2	5.3	6.7	8.4	10.5	12.9
	INDOOR COIL DB TEMP DROP (°F)	25	25	25	25	25	25	25	25	
	80/62	680	LIQUID PRESSURE (PSIG)	207	226	254	290	334	387	449
LIQUID TEMPERATURE (°F)			64	69	77	86	96	105	116	126
LIQUID SUBCOOLING (°F)			8	8	8	8	8	9	10	11
SUCTION PRESSURE (PSIG)			128	129	130	131	131	130	130	129
SUCTION TEMPERATURE (°F)			47	49	49	50	51	52	54	55
SUCTION SUPERHEAT (°F)			3	4	4	5	6	7	9	10
OUTDOOR UNIT CURRENT (A)			3.9	4.3	5.1	6.1	7.5	9.2	11.3	13.7
COMPRESSOR CURRENT (A)			3.7	3.9	4.4	5.3	6.7	8.4	10.5	13.0
INDOOR COIL DB TEMP DROP (°F)		26	26	27	27	27	27	27	26	
780		LIQUID PRESSURE (PSIG)	207	226	254	290	334	387	449	518
		LIQUID TEMPERATURE (°F)	64	69	77	86	96	105	116	126
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	9	10	11
		SUCTION PRESSURE (PSIG)	131	132	133	134	134	133	133	132
		SUCTION TEMPERATURE (°F)	48	50	50	52	53	53	55	56
		SUCTION SUPERHEAT (°F)	3	4	4	5	6	7	9	10
		OUTDOOR UNIT CURRENT (A)	3.9	4.3	5.1	6.1	7.5	9.2	11.3	13.7
		COMPRESSOR CURRENT (A)	3.7	3.9	4.4	5.3	6.7	8.4	10.5	13.0
INDOOR COIL DB TEMP DROP (°F)		25	25	26	26	26	26	26	25	
880		LIQUID PRESSURE (PSIG)	207	226	254	290	334	387	449	518
		LIQUID TEMPERATURE (°F)	64	69	77	86	96	105	116	126
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	9	10	11
		SUCTION PRESSURE (PSIG)	134	135	136	137	137	136	136	135
		SUCTION TEMPERATURE (°F)	50	51	51	53	54	54	56	57
		SUCTION SUPERHEAT (°F)	3	4	4	5	6	7	9	10
		OUTDOOR UNIT CURRENT (A)	3.9	4.3	5.1	6.1	7.5	9.2	11.3	13.7
		COMPRESSOR CURRENT (A)	3.7	3.9	4.4	5.3	6.7	8.4	10.5	13.0
INDOOR COIL DB TEMP DROP (°F)		24	24	25	25	25	25	25	24	

Continued on next page.

## YXV24B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	680	LIQUID PRESSURE (PSIG)	212	230	256	291	335	388	450	520
		LIQUID TEMPERATURE (°F)	63	70	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	10	9	9	8	8	9	10	11
		SUCTION PRESSURE (PSIG)	140	141	142	143	143	143	143	142
		SUCTION TEMPERATURE (°F)	54	53	54	54	55	55	56	57
		SUCTION SUPERHEAT (°F)	5	4	4	4	5	5	6	7
		OUTDOOR UNIT CURRENT (A)	3.6	4.1	4.9	6.1	7.5	9.2	11.3	13.6
		COMPRESSOR CURRENT (A)	3.4	3.7	4.3	5.3	6.6	8.4	10.5	12.9
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	23	23	23	23	
	780	LIQUID PRESSURE (PSIG)	212	230	256	291	335	388	450	520
		LIQUID TEMPERATURE (°F)	64	71	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	9	8	8	7	7	8	9	10
		SUCTION PRESSURE (PSIG)	143	144	145	146	146	146	146	145
		SUCTION TEMPERATURE (°F)	55	55	55	55	56	56	57	58
		SUCTION SUPERHEAT (°F)	5	4	4	4	5	5	6	7
		OUTDOOR UNIT CURRENT (A)	3.6	4.1	4.9	6.1	7.5	9.2	11.3	13.6
		COMPRESSOR CURRENT (A)	3.4	3.7	4.3	5.3	6.6	8.4	10.5	12.9
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	22	22	22	22	
	880	LIQUID PRESSURE (PSIG)	212	230	256	291	335	388	450	520
		LIQUID TEMPERATURE (°F)	65	72	78	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	8	7	7	6	6	7	8	9
		SUCTION PRESSURE (PSIG)	146	147	148	149	149	149	149	148
		SUCTION TEMPERATURE (°F)	56	56	56	57	58	58	59	59
		SUCTION SUPERHEAT (°F)	5	4	4	4	5	5	6	7
		OUTDOOR UNIT CURRENT (A)	3.6	4.1	4.9	6.1	7.5	9.2	11.3	13.6
		COMPRESSOR CURRENT (A)	3.4	3.7	4.3	5.3	6.6	8.4	10.5	12.9
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	21	21	21	21	
	80/72	680	LIQUID PRESSURE (PSIG)	211	228	255	290	334	387	450
LIQUID TEMPERATURE (°F)			69	73	80	88	98	107	118	127
LIQUID SUBCOOLING (°F)			4	5	5	6	6	7	8	10
SUCTION PRESSURE (PSIG)			156	157	157	157	156	156	156	156
SUCTION TEMPERATURE (°F)			58	59	59	59	60	60	61	61
SUCTION SUPERHEAT (°F)			3	4	4	4	5	5	6	6
OUTDOOR UNIT CURRENT (A)			3.4	3.9	4.8	5.9	7.4	9.2	11.3	13.7
COMPRESSOR CURRENT (A)			3.2	3.5	4.1	5.2	6.6	8.3	10.5	13.0
INDOOR COIL DB TEMP DROP (°F)		17	18	18	18	18	18	18	18	
780		LIQUID PRESSURE (PSIG)	211	228	255	290	334	387	450	521
		LIQUID TEMPERATURE (°F)	69	73	80	88	98	107	118	127
		LIQUID SUBCOOLING (°F)	4	5	5	6	6	7	8	10
		SUCTION PRESSURE (PSIG)	159	160	160	160	159	159	159	159
		SUCTION TEMPERATURE (°F)	59	61	61	61	61	61	62	62
		SUCTION SUPERHEAT (°F)	3	4	4	4	5	5	6	6
		OUTDOOR UNIT CURRENT (A)	3.4	3.9	4.8	5.9	7.4	9.2	11.3	13.7
		COMPRESSOR CURRENT (A)	3.2	3.5	4.1	5.2	6.6	8.3	10.5	13.0
INDOOR COIL DB TEMP DROP (°F)		16	17	17	17	17	17	17	17	
880		LIQUID PRESSURE (PSIG)	211	228	255	290	334	387	450	521
		LIQUID TEMPERATURE (°F)	69	73	80	88	98	107	118	127
		LIQUID SUBCOOLING (°F)	4	5	5	6	6	7	8	10
		SUCTION PRESSURE (PSIG)	162	163	163	163	162	162	162	162
		SUCTION TEMPERATURE (°F)	60	62	62	62	62	62	63	63
		SUCTION SUPERHEAT (°F)	3	4	4	4	5	5	6	6
		OUTDOOR UNIT CURRENT (A)	3.4	3.9	4.8	5.9	7.4	9.2	11.3	13.7
		COMPRESSOR CURRENT (A)	3.2	3.5	4.1	5.2	6.6	8.3	10.5	13.0
INDOOR COIL DB TEMP DROP (°F)		15	16	16	16	16	16	16	16	



FOR USE WITH MODELS:

**YXV36B21S**  
**AC21B3621S**  
**AL21B3621S**

<b>YXV36B21S HIGH SPEED COOLING SUBCOOLING CHARGING CHART</b>				
<b>OUTDOOR AMBIENT DB (°F)</b>	<b>INDOOR WET BULB (°F) AT 80°F DRY BULB</b>			
	<b>57</b>	<b>62</b>	<b>67</b>	<b>72</b>
	<b>PRESSURE (PSIG) &amp; SUBCOOLING (°F) AT LIQUID BASE VALVE</b>			
55	182(7)	183(7)	188(9)	191(11)
60	197(7)	198(7)	202(9)	204(9)
65	214(7)	215(7)	217(8)	218(8)
70	232(7)	233(7)	235(8)	235(7)
75	251(7)	252(8)	253(7)	252(6)
80	272(7)	273(8)	273(7)	272(6)
85	294(8)	295(8)	295(7)	293(6)
90	318(8)	319(8)	318(7)	316(5)
95	343(8)	344(9)	343(7)	341(5)
100	370(9)	371(9)	370(7)	367(5)
105	398(9)	399(9)	398(8)	395(6)
110	428(9)	429(10)	427(8)	425(6)
115	459(10)	460(10)	458(9)	457(7)
120	491(10)	492(10)	491(9)	490(8)
125	525(11)	526(11)	525(10)	525(9)

Charging chart is for use in Service mode only.  
 Charging chart is for use in Cooling mode only.

**YXV36B21S HIGH SPEED COOLING W/ NOMINAL COIL**

<b>ID DB / ID WB (°F)</b>	<b>ID AIRFLOW (SCFM)</b>	<b>OUTDOOR TEMPERATURE DB (°F)</b>	<b>COOLING SERVICE DATA</b>							
			<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>	<b>95</b>	<b>105</b>	<b>115</b>	<b>125</b>
75/62	1020	LIQUID PRESSURE (PSIG)	183	215	253	296	345	400	461	527
		LIQUID TEMPERATURE (°F)	57	66	77	87	97	107	118	127
		LIQUID SUBCOOLING (°F)	7	8	8	8	9	10	10	11
		SUCTION PRESSURE (PSIG)	127	129	129	130	129	129	128	126
		SUCTION TEMPERATURE (°F)	50	51	51	51	51	52	51	51
		SUCTION SUPERHEAT (°F)	6	6	6	6	6	7	7	8
		OUTDOOR UNIT CURRENT (A)	5.6	6.2	7.3	8.9	11.0	13.6	16.7	20.3
		COMPRESSOR CURRENT (A)	4.9	5.5	6.6	8.2	10.3	12.9	15.9	19.5
		INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	22	22	22	22
	1200	LIQUID PRESSURE (PSIG)	183	215	253	296	345	400	461	527
		LIQUID TEMPERATURE (°F)	57	66	77	87	97	107	118	127
		LIQUID SUBCOOLING (°F)	7	8	8	8	9	10	10	11
		SUCTION PRESSURE (PSIG)	129	131	131	132	131	131	130	128
		SUCTION TEMPERATURE (°F)	52	52	52	53	52	53	53	53
		SUCTION SUPERHEAT (°F)	7	7	7	7	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	5.6	6.2	7.3	8.9	11.0	13.6	16.7	20.3
		COMPRESSOR CURRENT (A)	4.9	5.5	6.6	8.2	10.3	12.9	15.9	19.5
		INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	21	21	21	21
	1320	LIQUID PRESSURE (PSIG)	183	215	253	296	345	400	461	527
		LIQUID TEMPERATURE (°F)	57	66	77	87	97	107	118	127
		LIQUID SUBCOOLING (°F)	7	8	8	8	9	10	10	11
		SUCTION PRESSURE (PSIG)	131	133	133	134	133	133	132	130
		SUCTION TEMPERATURE (°F)	53	54	54	55	54	55	55	55
		SUCTION SUPERHEAT (°F)	8	8	8	8	8	9	9	10
OUTDOOR UNIT CURRENT (A)		5.6	6.2	7.3	8.9	11.0	13.6	16.7	20.3	
COMPRESSOR CURRENT (A)		4.9	5.5	6.6	8.2	10.3	12.9	15.9	19.5	
INDOOR COIL DB TEMP DROP (°F)		20	20	20	20	20	20	20	20	

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## YXV36B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1020	LIQUID PRESSURE (PSIG)	182	214	251	294	343	398	459	525
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	107	117	127
		LIQUID SUBCOOLING (°F)	7	7	7	8	8	9	10	11
		SUCTION PRESSURE (PSIG)	120	122	124	125	125	124	123	121
		SUCTION TEMPERATURE (°F)	49	49	49	48	48	48	48	49
		SUCTION SUPERHEAT (°F)	8	7	6	5	5	5	6	8
		OUTDOOR UNIT CURRENT (A)	5.6	6.2	7.2	8.8	10.9	13.5	16.6	20.3
		COMPRESSOR CURRENT (A)	5.0	5.5	6.6	8.2	10.2	12.8	15.9	19.4
	INDOOR COIL DB TEMP DROP (°F)	28	28	28	28	28	28	28	28	
	1200	LIQUID PRESSURE (PSIG)	182	214	251	294	343	398	459	525
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	107	117	127
		LIQUID SUBCOOLING (°F)	7	7	7	8	8	9	10	11
		SUCTION PRESSURE (PSIG)	125	127	129	130	130	129	128	126
		SUCTION TEMPERATURE (°F)	52	52	52	51	51	51	51	52
		SUCTION SUPERHEAT (°F)	9	8	7	6	6	6	7	9
		OUTDOOR UNIT CURRENT (A)	5.6	6.2	7.2	8.8	10.9	13.5	16.6	20.3
		COMPRESSOR CURRENT (A)	5.0	5.5	6.6	8.2	10.2	12.8	15.9	19.4
	INDOOR COIL DB TEMP DROP (°F)	26	26	26	26	26	26	26	26	
	1320	LIQUID PRESSURE (PSIG)	182	214	251	294	343	398	459	525
		LIQUID TEMPERATURE (°F)	57	67	77	87	98	107	117	127
		LIQUID SUBCOOLING (°F)	7	7	7	8	8	9	10	11
		SUCTION PRESSURE (PSIG)	130	132	134	135	135	134	133	131
		SUCTION TEMPERATURE (°F)	55	55	55	54	54	54	54	55
		SUCTION SUPERHEAT (°F)	10	9	8	7	7	7	8	10
		OUTDOOR UNIT CURRENT (A)	5.6	6.2	7.2	8.8	10.9	13.5	16.6	20.3
		COMPRESSOR CURRENT (A)	5.0	5.5	6.6	8.2	10.2	12.8	15.9	19.4
	INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	24	24	24	24	
	80/62	1020	LIQUID PRESSURE (PSIG)	183	215	252	295	344	399	460
LIQUID TEMPERATURE (°F)			57	67	76	87	97	108	117	127
LIQUID SUBCOOLING (°F)			7	7	8	8	9	9	10	11
SUCTION PRESSURE (PSIG)			126	128	129	129	129	128	127	125
SUCTION TEMPERATURE (°F)			51	51	52	51	51	51	51	51
SUCTION SUPERHEAT (°F)			8	7	7	6	6	7	7	8
OUTDOOR UNIT CURRENT (A)			5.6	6.2	7.3	8.8	10.9	13.6	16.7	20.3
COMPRESSOR CURRENT (A)			4.9	5.5	6.6	8.2	10.3	12.8	15.9	19.5
INDOOR COIL DB TEMP DROP (°F)		27	27	27	27	27	27	27	27	
1200		LIQUID PRESSURE (PSIG)	183	215	252	295	344	399	460	526
		LIQUID TEMPERATURE (°F)	57	67	76	87	97	108	117	127
		LIQUID SUBCOOLING (°F)	7	7	8	8	9	9	10	11
		SUCTION PRESSURE (PSIG)	129	131	132	132	132	131	130	128
		SUCTION TEMPERATURE (°F)	54	53	54	53	53	53	53	53
		SUCTION SUPERHEAT (°F)	9	8	8	7	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	5.6	6.2	7.3	8.8	10.9	13.6	16.7	20.3
		COMPRESSOR CURRENT (A)	4.9	5.5	6.6	8.2	10.3	12.8	15.9	19.5
INDOOR COIL DB TEMP DROP (°F)		25	25	25	25	25	25	25	25	
1320		LIQUID PRESSURE (PSIG)	183	215	252	295	344	399	460	526
		LIQUID TEMPERATURE (°F)	57	67	76	87	97	108	117	127
		LIQUID SUBCOOLING (°F)	7	7	8	8	9	9	10	11
		SUCTION PRESSURE (PSIG)	132	134	135	135	135	134	133	131
		SUCTION TEMPERATURE (°F)	56	56	56	55	55	56	55	55
		SUCTION SUPERHEAT (°F)	10	9	9	8	8	9	9	10
		OUTDOOR UNIT CURRENT (A)	5.6	6.2	7.3	8.8	10.9	13.6	16.7	20.3
		COMPRESSOR CURRENT (A)	4.9	5.5	6.6	8.2	10.3	12.8	15.9	19.5
INDOOR COIL DB TEMP DROP (°F)		23	23	23	23	23	23	23	23	

Continued on next page.

## YXV36B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1020	LIQUID PRESSURE (PSIG)	188	217	253	295	343	398	458	525
		LIQUID TEMPERATURE (°F)	57	67	78	88	99	108	118	128
		LIQUID SUBCOOLING (°F)	9	8	7	7	7	8	9	10
		SUCTION PRESSURE (PSIG)	133	138	141	142	143	143	141	139
		SUCTION TEMPERATURE (°F)	64	61	58	56	55	54	54	57
		SUCTION SUPERHEAT (°F)	18	13	9	6	5	4	5	8
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	7.2	8.8	11.0	13.7	16.9	20.6
		COMPRESSOR CURRENT (A)	4.8	5.4	6.6	8.2	10.3	13.0	16.1	19.8
	INDOOR COIL DB TEMP DROP (°F)	20	21	22	22	22	23	22	22	
	1200	LIQUID PRESSURE (PSIG)	188	217	253	295	343	398	458	525
		LIQUID TEMPERATURE (°F)	57	67	78	88	99	108	118	128
		LIQUID SUBCOOLING (°F)	9	8	7	7	7	8	9	10
		SUCTION PRESSURE (PSIG)	135	140	143	144	145	145	143	141
		SUCTION TEMPERATURE (°F)	65	62	59	57	56	55	55	57
		SUCTION SUPERHEAT (°F)	18	13	9	6	5	4	5	8
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	7.2	8.8	11.0	13.7	16.9	20.6
		COMPRESSOR CURRENT (A)	4.8	5.4	6.6	8.2	10.3	13.0	16.1	19.8
	INDOOR COIL DB TEMP DROP (°F)	19	20	21	21	21	22	21	21	
	1320	LIQUID PRESSURE (PSIG)	188	217	253	295	343	398	458	525
		LIQUID TEMPERATURE (°F)	57	67	78	88	99	108	118	128
		LIQUID SUBCOOLING (°F)	9	8	7	7	7	8	9	10
		SUCTION PRESSURE (PSIG)	137	142	145	146	147	147	145	143
		SUCTION TEMPERATURE (°F)	66	63	60	57	57	56	56	58
		SUCTION SUPERHEAT (°F)	18	13	9	6	5	4	5	8
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	7.2	8.8	11.0	13.7	16.9	20.6
		COMPRESSOR CURRENT (A)	4.8	5.4	6.6	8.2	10.3	13.0	16.1	19.8
	INDOOR COIL DB TEMP DROP (°F)	18	19	20	20	20	21	20	20	
	80/72	1020	LIQUID PRESSURE (PSIG)	191	218	252	293	341	395	457
LIQUID TEMPERATURE (°F)			56	67	78	89	100	110	120	129
LIQUID SUBCOOLING (°F)			11	8	6	6	5	6	7	9
SUCTION PRESSURE (PSIG)			138	146	151	155	157	157	155	152
SUCTION TEMPERATURE (°F)			70	65	62	60	58	58	59	61
SUCTION SUPERHEAT (°F)			22	14	9	5	3	3	4	7
OUTDOOR UNIT CURRENT (A)			5.7	6.5	7.7	9.4	11.6	14.2	17.3	20.8
COMPRESSOR CURRENT (A)			5.0	5.7	6.9	8.6	10.7	13.3	16.4	20.0
INDOOR COIL DB TEMP DROP (°F)		15	16	17	18	19	19	18	18	
1200		LIQUID PRESSURE (PSIG)	191	218	252	293	341	395	457	525
		LIQUID TEMPERATURE (°F)	56	67	78	89	100	110	120	129
		LIQUID SUBCOOLING (°F)	11	8	6	6	5	6	7	9
		SUCTION PRESSURE (PSIG)	139	147	152	156	158	158	156	153
		SUCTION TEMPERATURE (°F)	72	67	64	61	60	60	60	62
		SUCTION SUPERHEAT (°F)	23	15	10	6	4	4	5	8
		OUTDOOR UNIT CURRENT (A)	5.7	6.5	7.7	9.4	11.6	14.2	17.3	20.8
		COMPRESSOR CURRENT (A)	5.0	5.7	6.9	8.6	10.7	13.3	16.4	20.0
INDOOR COIL DB TEMP DROP (°F)		14	15	16	17	18	18	17	17	
1320		LIQUID PRESSURE (PSIG)	191	218	252	293	341	395	457	525
		LIQUID TEMPERATURE (°F)	56	67	78	89	100	110	120	129
		LIQUID SUBCOOLING (°F)	11	8	6	6	5	6	7	9
		SUCTION PRESSURE (PSIG)	140	148	153	157	159	159	157	154
		SUCTION TEMPERATURE (°F)	73	68	65	62	61	61	61	63
		SUCTION SUPERHEAT (°F)	24	16	11	7	5	5	6	9
		OUTDOOR UNIT CURRENT (A)	5.7	6.5	7.7	9.4	11.6	14.2	17.3	20.8
		COMPRESSOR CURRENT (A)	5.0	5.7	6.9	8.6	10.7	13.3	16.4	20.0
INDOOR COIL DB TEMP DROP (°F)		13	14	15	16	17	17	16	16	

FOR USE WITH MODELS:

**YXV48B21S**  
**AC21B4821S**  
**AL21B4821S**

<b>YXV48B21S HIGH SPEED COOLING SUBCOOLING CHARGING CHART</b>				
<b>OUTDOOR AMBIENT DB (°F)</b>	<b>INDOOR WET BULB (°F) AT 80°F DRY BULB</b>			
	<b>57</b>	<b>62</b>	<b>67</b>	<b>72</b>
	<b>PRESSURE (PSIG) &amp; SUBCOOLING (°F) AT LIQUID BASE VALVE</b>			
55	191(10)	192(10)	194(11)	194(12)
60	207(10)	208(10)	210(11)	211(11)
65	224(10)	225(10)	227(11)	229(11)
70	242(10)	244(10)	246(11)	248(11)
75	262(10)	263(10)	266(11)	268(11)
80	282(10)	284(10)	287(11)	290(11)
85	304(10)	306(10)	309(11)	312(11)
90	327(10)	329(10)	332(11)	335(11)
95	352(10)	353(10)	356(11)	360(11)
100	377(10)	378(10)	382(11)	386(11)
105	403(10)	405(10)	408(11)	412(11)
110	431(10)	432(10)	436(11)	440(11)
115	460(10)	461(11)	465(11)	469(11)
120	490(11)	491(11)	494(11)	499(11)
125	521(11)	522(11)	526(11)	530(11)

Charging chart is for use in Service mode only.  
Charging chart is for use in Cooling mode only.

**YXV48B21S HIGH SPEED COOLING W/ NOMINAL COIL**

<b>ID DB / ID WB (°F)</b>	<b>ID AIRFLOW (SCFM)</b>	<b>OUTDOOR TEMPERATURE DB (°F)</b>	<b>COOLING SERVICE DATA</b>							
			<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>	<b>95</b>	<b>105</b>	<b>115</b>	<b>125</b>
75/62	1360	LIQUID PRESSURE (PSIG)	191	224	262	305	352	404	461	520
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	128	128	129	129	129	127	123	128
		SUCTION TEMPERATURE (°F)	52	50	50	50	51	52	50	56
		SUCTION SUPERHEAT (°F)	8	6	5	5	6	7	9	12
		OUTDOOR UNIT CURRENT (A)	7.0	8.4	10.2	12.2	14.5	18.1	22.7	23.3
		COMPRESSOR CURRENT (A)	6.0	7.5	9.3	11.3	13.6	17.0	21.6	22.1
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	23	24	24	23	
	1560	LIQUID PRESSURE (PSIG)	192	225	263	306	353	404	462	521
		LIQUID TEMPERATURE (°F)	57	67	77	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	130	130	131	131	131	130	127	130
		SUCTION TEMPERATURE (°F)	54	52	51	51	52	53	51	58
		SUCTION SUPERHEAT (°F)	9	7	6	6	7	8	10	13
		OUTDOOR UNIT CURRENT (A)	7.0	8.4	10.2	12.2	14.5	18.1	22.8	23.3
		COMPRESSOR CURRENT (A)	6.0	7.5	9.3	11.3	13.6	17.1	21.7	22.1
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	22	22	22	22	
	1760	LIQUID PRESSURE (PSIG)	193	226	264	307	354	405	463	522
		LIQUID TEMPERATURE (°F)	58	67	78	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	132	132	133	133	133	132	130	132
		SUCTION TEMPERATURE (°F)	56	54	53	53	54	53	52	60
		SUCTION SUPERHEAT (°F)	10	8	7	7	8	9	11	14
OUTDOOR UNIT CURRENT (A)		7.0	8.4	10.2	12.2	14.5	18.2	22.9	23.3	
COMPRESSOR CURRENT (A)		6.0	7.5	9.3	11.3	13.6	17.2	21.7	22.1	
INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	21	21	20	21		

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## YXV48B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1360	LIQUID PRESSURE (PSIG)	191	224	262	304	352	402	459	521
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	119	122	125	126	127	124	121	125
		SUCTION TEMPERATURE (°F)	49	49	48	47	49	51	49	54
		SUCTION SUPERHEAT (°F)	9	7	5	4	5	6	8	11
		OUTDOOR UNIT CURRENT (A)	7.0	8.5	10.2	12.2	14.5	17.9	22.6	23.2
		COMPRESSOR CURRENT (A)	6.3	7.7	9.4	11.3	13.6	16.9	21.4	22.0
	INDOOR COIL DB TEMP DROP (°F)	30	30	29	29	29	29	29	29	
	1560	LIQUID PRESSURE (PSIG)	191	224	262	304	352	404	461	521
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	123	126	129	130	131	129	126	129
		SUCTION TEMPERATURE (°F)	53	52	52	51	52	53	51	58
		SUCTION SUPERHEAT (°F)	11	9	7	6	7	8	10	13
		OUTDOOR UNIT CURRENT (A)	6.9	8.4	10.1	12.1	14.4	17.5	23	23.1
		COMPRESSOR CURRENT (A)	6.2	7.6	9.3	11.2	13.5	18.3	22	21.9
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	27	27	27	27	27	
	1760	LIQUID PRESSURE (PSIG)	191	224	262	304	352	406	463	521
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	127	130	133	134	135	134	131	133
		SUCTION TEMPERATURE (°F)	57	56	55	55	56	54	52	61
		SUCTION SUPERHEAT (°F)	13	11	9	8	9	10	12	15
		OUTDOOR UNIT CURRENT (A)	6.8	8.3	10.0	12.0	14.3	17.0	22.7	23.0
		COMPRESSOR CURRENT (A)	6.1	7.5	9.2	11.1	13.4	19.8	21.6	21.8
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	25	25	25	25	
	80/62	1360	LIQUID PRESSURE (PSIG)	191	224	262	305	352	404	460
LIQUID TEMPERATURE (°F)			57	67	77	87	97	107	117	126
LIQUID SUBCOOLING (°F)			10	10	10	10	10	10	11	11
SUCTION PRESSURE (PSIG)			127	128	129	129	129	128	125	128
SUCTION TEMPERATURE (°F)			54	52	51	50	50	53	50	55
SUCTION SUPERHEAT (°F)			10	8	6	5	5	6	8	11
OUTDOOR UNIT CURRENT (A)			6.9	8.4	10.2	12.2	14.5	18.1	22.7	23.3
COMPRESSOR CURRENT (A)			6.0	7.5	9.3	11.3	13.6	17.0	21.6	22.2
INDOOR COIL DB TEMP DROP (°F)		27	28	28	28	28	28	28	28	
1560		LIQUID PRESSURE (PSIG)	192	225	263	306	353	405	462	522
		LIQUID TEMPERATURE (°F)	57	67	77	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	130	131	132	132	132	131	128	131
		SUCTION TEMPERATURE (°F)	56	54	53	52	52	54	51	57
		SUCTION SUPERHEAT (°F)	11	9	7	6	6	7	9	12
		OUTDOOR UNIT CURRENT (A)	6.9	8.4	10.2	12.2	14.5	18.2	22.8	23.3
		COMPRESSOR CURRENT (A)	6.0	7.5	9.3	11.3	13.6	17.1	21.7	22.2
INDOOR COIL DB TEMP DROP (°F)		25	26	26	26	26	26	26	26	
1760		LIQUID PRESSURE (PSIG)	193	226	264	307	354	406	463	523
		LIQUID TEMPERATURE (°F)	58	67	78	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	133	134	135	135	135	134	131	134
		SUCTION TEMPERATURE (°F)	58	57	55	54	54	55	51	60
		SUCTION SUPERHEAT (°F)	12	10	8	7	7	8	10	13
		OUTDOOR UNIT CURRENT (A)	6.9	8.4	10.2	12.2	14.5	18.2	22.9	23.3
		COMPRESSOR CURRENT (A)	6.0	7.5	9.3	11.3	13.6	17.2	21.7	22.2
INDOOR COIL DB TEMP DROP (°F)		23	24	24	24	24	25	24	24	

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## YXV48B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1360	LIQUID PRESSURE (PSIG)	193	226	265	308	355	408	466	525
		LIQUID TEMPERATURE (°F)	57	66	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	132	136	139	141	142	139	135	140
		SUCTION TEMPERATURE (°F)	67	61	57	54	54	56	54	62
		SUCTION SUPERHEAT (°F)	21	14	8	5	4	5	8	13
		OUTDOOR UNIT CURRENT (A)	6.8	8.4	10.2	12.3	14.6	18.3	23.1	22.9
		COMPRESSOR CURRENT (A)	5.8	7.5	9.3	11.4	13.7	17.2	21.9	21.8
	INDOOR COIL DB TEMP DROP (°F)	20	22	22	23	23	23	23	22	
	1560	LIQUID PRESSURE (PSIG)	194	227	266	309	356	409	468	526
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	134	138	141	143	144	142	138	142
		SUCTION TEMPERATURE (°F)	68	62	57	55	55	57	54	63
		SUCTION SUPERHEAT (°F)	21	14	8	5	4	5	8	13
		OUTDOOR UNIT CURRENT (A)	6.8	8.4	10.2	12.3	14.6	18.4	23.2	22.9
		COMPRESSOR CURRENT (A)	5.8	7.5	9.3	11.4	13.7	17.3	22.0	21.8
	INDOOR COIL DB TEMP DROP (°F)	19	21	21	22	22	22	22	21	
	1760	LIQUID PRESSURE (PSIG)	195	228	267	310	357	410	469	527
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	136	140	143	145	146	145	141	144
		SUCTION TEMPERATURE (°F)	68	63	58	56	55	57	55	64
		SUCTION SUPERHEAT (°F)	21	14	8	5	4	5	8	13
		OUTDOOR UNIT CURRENT (A)	6.8	8.4	10.2	12.3	14.6	18.4	23.3	22.9
		COMPRESSOR CURRENT (A)	5.8	7.5	9.3	11.4	13.7	17.3	22.1	21.8
	INDOOR COIL DB TEMP DROP (°F)	18	20	20	21	21	21	20	20	
	80/72	1360	LIQUID PRESSURE (PSIG)	193	228	267	311	359	414	470
LIQUID TEMPERATURE (°F)			56	67	77	88	98	108	117	128
LIQUID SUBCOOLING (°F)			12	11	11	11	11	11	11	11
SUCTION PRESSURE (PSIG)			134	143	149	154	157	160	148	153
SUCTION TEMPERATURE (°F)			71	65	62	59	58	63	58	64
SUCTION SUPERHEAT (°F)			24	15	9	5	3	3	6	10
OUTDOOR UNIT CURRENT (A)			6.7	8.4	10.2	12.3	14.7	18.7	23.4	23.0
COMPRESSOR CURRENT (A)			5.8	7.5	9.3	11.4	13.7	17.6	22.2	21.9
INDOOR COIL DB TEMP DROP (°F)		15	17	18	18	19	15	18	18	
1560		LIQUID PRESSURE (PSIG)	194	229	268	312	360	413	471	530
		LIQUID TEMPERATURE (°F)	56	67	78	88	98	107	117	128
		LIQUID SUBCOOLING (°F)	12	11	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	136	145	151	156	159	158	150	155
		SUCTION TEMPERATURE (°F)	72	67	63	61	60	61	59	66
		SUCTION SUPERHEAT (°F)	25	16	10	6	4	4	7	11
		OUTDOOR UNIT CURRENT (A)	6.7	8.4	10.2	12.3	14.7	18.6	23.5	23.0
		COMPRESSOR CURRENT (A)	5.8	7.5	9.3	11.4	13.7	17.6	22.3	21.9
INDOOR COIL DB TEMP DROP (°F)		14	16	17	17	18	16	17	17	
1760		LIQUID PRESSURE (PSIG)	195	230	269	313	361	412	471	531
		LIQUID TEMPERATURE (°F)	56	68	78	88	98	107	117	128
		LIQUID SUBCOOLING (°F)	12	11	11	11	11	11	11	11
		SUCTION PRESSURE (PSIG)	138	147	153	158	161	156	153	157
		SUCTION TEMPERATURE (°F)	74	69	65	63	62	60	60	67
		SUCTION SUPERHEAT (°F)	26	17	11	7	5	5	8	12
		OUTDOOR UNIT CURRENT (A)	6.7	8.4	10.2	12.3	14.7	18.5	23.6	23.0
		COMPRESSOR CURRENT (A)	5.8	7.5	9.3	11.4	13.7	17.5	22.4	21.9
INDOOR COIL DB TEMP DROP (°F)		13	15	16	16	17	16	16	16	

**NOTE:** Use the following High/Medium/Low Airflow correlations for different OD DB Temps. 125F (1586/1406/1226CFM); 115F & 105F (1760/1560/1360CFM).

FOR USE WITH MODELS:

**YXV60B21S**  
**AC21B6021S**  
**AL21B6021S**

<b>YXV60B21S HIGH SPEED COOLING SUBCOOLING CHARGING CHART</b>				
<b>OUTDOOR AMBIENT DB (°F)</b>	<b>INDOOR WET BULB (°F) AT 80°F DRY BULB</b>			
	<b>57</b>	<b>62</b>	<b>67</b>	<b>72</b>
	<b>PRESSURE (PSIG) &amp; SUBCOOLING (°F) AT LIQUID BASE VALVE</b>			
55	194(9)	194(9)	196(10)	197(11)
60	210(9)	210(10)	212(10)	214(11)
65	227(10)	227(10)	229(10)	231(11)
70	245(10)	246(10)	248(10)	250(10)
75	264(10)	265(10)	268(10)	270(10)
80	285(10)	286(10)	288(10)	291(10)
85	307(10)	308(10)	311(10)	313(10)
90	330(10)	331(10)	334(10)	337(10)
95	354(10)	356(10)	358(10)	362(10)
100	379(10)	381(10)	384(10)	388(10)
105	406(10)	408(10)	411(10)	415(10)
110	434(10)	436(10)	439(10)	443(10)
115	463(10)	465(11)	469(11)	473(11)
120	494(10)	496(11)	499(11)	503(11)
125	525(10)	527(11)	531(11)	535(11)

Charging chart is for use in Service mode only.  
 Charging chart is for use in Cooling mode only.

**YXV60B21S HIGH SPEED COOLING W/ NOMINAL COIL**

<b>ID DB / ID WB (°F)</b>	<b>ID AIRFLOW (SCFM)</b>	<b>OUTDOOR TEMPERATURE DB (°F)</b>	<b>COOLING SERVICE DATA</b>							
			<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>	<b>95</b>	<b>105</b>	<b>115</b>	<b>125</b>
75/62	1530	LIQUID PRESSURE (PSIG)	193	226	264	307	354	406	464	526
		LIQUID TEMPERATURE (°F)	58	67	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	119	119	119	119	119	116	118	121
		SUCTION TEMPERATURE (°F)	45	44	44	43	43	44	45	44
		SUCTION SUPERHEAT (°F)	5	4	4	3	3	3	3	3
		OUTDOOR UNIT CURRENT (A)	10.3	12.5	14.9	17.5	20.3	23.7	26.6	29.9
		COMPRESSOR CURRENT (A)	9.2	11.4	13.9	16.5	19.3	22.6	25.5	28.9
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	24	24	25	24	24	
	1800	LIQUID PRESSURE (PSIG)	194	227	265	308	355	407	465	527
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	121	121	121	121	121	119	121	123
		SUCTION TEMPERATURE (°F)	47	46	46	45	45	45	46	46
		SUCTION SUPERHEAT (°F)	6	5	5	4	4	4	4	4
		OUTDOOR UNIT CURRENT (A)	10.3	12.5	14.9	17.5	20.3	23.8	26.6	29.9
		COMPRESSOR CURRENT (A)	9.2	11.4	13.9	16.5	19.3	22.6	25.5	28.9
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	23	23	23	23	23	
	1980	LIQUID PRESSURE (PSIG)	195	228	266	309	356	408	466	528
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	10	11
		SUCTION PRESSURE (PSIG)	123	123	123	123	123	122	123	125
		SUCTION TEMPERATURE (°F)	49	48	48	47	47	46	47	48
		SUCTION SUPERHEAT (°F)	7	6	6	5	5	5	5	5
OUTDOOR UNIT CURRENT (A)		10.3	12.5	14.9	17.5	20.3	23.8	26.7	29.9	
COMPRESSOR CURRENT (A)		9.2	11.4	13.9	16.5	19.3	22.7	25.6	28.9	
INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	22	22	22	22		

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## YXV60B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1530	LIQUID PRESSURE (PSIG)	193	226	263	306	353	404	460	524
		LIQUID TEMPERATURE (°F)	59	67	77	88	98	107	117	128
		LIQUID SUBCOOLING (°F)	9	10	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	113	113	112	112	112	111	112	114
		SUCTION TEMPERATURE (°F)	43	43	41	41	41	42	42	43
		SUCTION SUPERHEAT (°F)	5	5	4	4	4	4	4	5
		OUTDOOR UNIT CURRENT (A)	10.3	12.4	14.8	17.3	20.1	23.6	26.4	29.8
		COMPRESSOR CURRENT (A)	9.2	11.4	13.8	16.3	19.1	22.5	25.4	28.8
	INDOOR COIL DB TEMP DROP (°F)	32	32	31	31	31	31	32	31	
	1800	LIQUID PRESSURE (PSIG)	194	227	264	307	354	406	462	525
		LIQUID TEMPERATURE (°F)	59	68	78	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	118	118	117	117	117	116	117	119
		SUCTION TEMPERATURE (°F)	45	45	43	43	43	44	45	45
		SUCTION SUPERHEAT (°F)	5	5	4	4	4	4	4	5
		OUTDOOR UNIT CURRENT (A)	10.3	12.4	14.8	17.3	20.1	23.7	27	29.8
		COMPRESSOR CURRENT (A)	9.2	11.4	13.8	16.3	19.1	22.6	25	28.8
	INDOOR COIL DB TEMP DROP (°F)	30	30	29	29	29	29	29	29	
	1980	LIQUID PRESSURE (PSIG)	195	228	265	308	355	407	464	526
		LIQUID TEMPERATURE (°F)	59	68	78	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	9	10	10	10	10	10	10	10
		SUCTION PRESSURE (PSIG)	123	123	122	122	122	121	122	124
		SUCTION TEMPERATURE (°F)	47	47	46	46	46	46	47	48
		SUCTION SUPERHEAT (°F)	5	5	4	4	4	4	4	5
		OUTDOOR UNIT CURRENT (A)	10.3	12.4	14.8	17.3	20.1	23.8	26.6	29.8
		COMPRESSOR CURRENT (A)	9.2	11.4	13.8	16.3	19.1	22.7	25.5	28.8
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	27	27	26	26	27	
	80/62	1530	LIQUID PRESSURE (PSIG)	193	226	264	307	355	407	464
LIQUID TEMPERATURE (°F)			59	67	78	88	98	108	118	127
LIQUID SUBCOOLING (°F)			9	10	10	10	10	10	11	11
SUCTION PRESSURE (PSIG)			119	119	119	119	119	116	118	120
SUCTION TEMPERATURE (°F)			46	45	45	44	44	44	45	46
SUCTION SUPERHEAT (°F)			6	5	5	4	4	4	4	5
OUTDOOR UNIT CURRENT (A)			10.2	12.5	14.9	17.5	20.3	23.7	26.5	30.0
COMPRESSOR CURRENT (A)			9.1	11.4	13.9	16.5	19.3	22.7	25.4	28.9
INDOOR COIL DB TEMP DROP (°F)		30	30	30	30	29	29	29	29	
1800		LIQUID PRESSURE (PSIG)	194	227	265	308	356	408	464	527
		LIQUID TEMPERATURE (°F)	59	68	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	10	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	122	122	122	122	122	119	121	123
		SUCTION TEMPERATURE (°F)	48	47	47	46	46	45	46	47
		SUCTION SUPERHEAT (°F)	6	5	5	4	4	4	4	5
		OUTDOOR UNIT CURRENT (A)	10.2	12.5	14.9	17.5	20.3	23.8	26.6	30.0
		COMPRESSOR CURRENT (A)	9.1	11.4	13.9	16.5	19.3	22.8	25.5	28.9
INDOOR COIL DB TEMP DROP (°F)		28	28	28	28	27	27	27	27	
1980		LIQUID PRESSURE (PSIG)	195	228	266	309	357	409	465	528
		LIQUID TEMPERATURE (°F)	59	68	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	9	10	10	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	125	125	125	125	125	123	124	126
		SUCTION TEMPERATURE (°F)	49	48	48	47	47	47	48	48
		SUCTION SUPERHEAT (°F)	6	5	5	4	4	4	4	5
		OUTDOOR UNIT CURRENT (A)	10.2	12.5	14.9	17.5	20.3	23.9	26.7	30.0
		COMPRESSOR CURRENT (A)	9.1	11.4	13.9	16.5	19.3	22.8	25.6	28.9
INDOOR COIL DB TEMP DROP (°F)		26	26	26	26	25	26	26	25	

Continued on next page.



## YXV60B21S HIGH SPEED COOLING W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1530	LIQUID PRESSURE (PSIG)	195	228	267	310	357	409	466	530
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	127	129	130	131	131	128	128	131
		SUCTION TEMPERATURE (°F)	60	55	50	47	45	48	50	50
		SUCTION SUPERHEAT (°F)	16	10	5	2	0	0	2	5
		OUTDOOR UNIT CURRENT (A)	10.1	12.4	14.9	17.6	20.5	24.0	26.9	30.2
		COMPRESSOR CURRENT (A)	8.9	11.3	13.8	16.5	19.4	22.9	25.8	29.1
	INDOOR COIL DB TEMP DROP (°F)	24	25	25	25	25	24	25	25	
	1800	LIQUID PRESSURE (PSIG)	196	229	268	311	358	410	467	531
		LIQUID TEMPERATURE (°F)	59	68	79	89	99	108	118	128
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	129	131	132	133	133	131	131	133
		SUCTION TEMPERATURE (°F)	62	56	52	49	47	50	51	52
		SUCTION SUPERHEAT (°F)	17	11	6	3	1	1	3	6
		OUTDOOR UNIT CURRENT (A)	10.1	12.4	14.9	17.6	20.5	24.1	27.0	30.2
		COMPRESSOR CURRENT (A)	9.0	11.4	13.9	16.6	19.5	23.0	25.9	29.2
	INDOOR COIL DB TEMP DROP (°F)	22	23	23	23	23	23	23	23	
	1980	LIQUID PRESSURE (PSIG)	197	230	269	312	359	412	468	532
		LIQUID TEMPERATURE (°F)	59	69	79	89	99	108	118	128
		LIQUID SUBCOOLING (°F)	10	10	10	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	131	133	134	135	135	134	133	135
		SUCTION TEMPERATURE (°F)	63	58	54	51	49	51	52	54
		SUCTION SUPERHEAT (°F)	18	12	7	4	2	2	4	7
		OUTDOOR UNIT CURRENT (A)	10.1	12.4	14.9	17.6	20.5	24.2	27.0	30.2
		COMPRESSOR CURRENT (A)	9.1	11.5	14.0	16.7	19.6	23.1	26.0	29.3
	INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	21	22	22	21	
	80/72	1530	LIQUID PRESSURE (PSIG)	196	230	269	312	361	413	470
LIQUID TEMPERATURE (°F)			58	68	79	89	99	109	119	128
LIQUID SUBCOOLING (°F)			11	11	10	10	10	10	11	11
SUCTION PRESSURE (PSIG)			131	136	140	143	145	140	142	143
SUCTION TEMPERATURE (°F)			69	62	57	53	51	54	54	54
SUCTION SUPERHEAT (°F)			24	15	8	3	0	0	1	4
OUTDOOR UNIT CURRENT (A)			9.9	12.4	15.0	17.7	20.7	24.4	27.2	30.5
COMPRESSOR CURRENT (A)			8.8	11.3	14.0	16.8	19.7	25.6	26.1	29.4
INDOOR COIL DB TEMP DROP (°F)		17	18	19	19	19	19	19	19	
1800		LIQUID PRESSURE (PSIG)	197	231	270	313	362	414	472	535
		LIQUID TEMPERATURE (°F)	58	68	79	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	11	11	10	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	133	138	142	145	147	143	145	145
		SUCTION TEMPERATURE (°F)	71	64	59	55	53	55	55	56
		SUCTION SUPERHEAT (°F)	25	16	9	4	1	1	2	5
		OUTDOOR UNIT CURRENT (A)	10.0	12.5	15.1	17.8	20.8	24.4	27.3	30.6
		COMPRESSOR CURRENT (A)	8.9	11.4	14.1	16.9	19.8	23.2	26.2	29.5
INDOOR COIL DB TEMP DROP (°F)		16	17	18	18	18	18	18	18	
1980		LIQUID PRESSURE (PSIG)	198	232	271	314	363	414	473	536
		LIQUID TEMPERATURE (°F)	58	68	79	89	100	109	119	129
		LIQUID SUBCOOLING (°F)	11	11	10	10	10	10	11	11
		SUCTION PRESSURE (PSIG)	135	140	144	147	149	146	148	147
		SUCTION TEMPERATURE (°F)	73	66	61	57	55	56	56	58
		SUCTION SUPERHEAT (°F)	26	17	10	5	2	2	3	6
		OUTDOOR UNIT CURRENT (A)	10.1	12.6	15.2	17.9	20.9	24.5	27.4	30.7
		COMPRESSOR CURRENT (A)	9.0	11.5	14.2	17.0	19.9	23.4	26.3	29.6
INDOOR COIL DB TEMP DROP (°F)		15	16	17	17	17	17	17	17	

**NOTE:** Use the following High/Medium/Low Airflow correlations for different OD DB Temps. 125F (1603/1457/1239CFM); 115F (1766/1606/1365CFM); 105F (1898/1726/1467CFM).

# NOTES