

SERVICE DATA APPLICATION GUIDE



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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YCS30B21S	73	TF4B2421S	91
FOR USE WITH MODELS:	76	YFE24B21S	91
QW4B36B21S	76	FOR USE WITH MODELS:	94
RAW14L36B21S	76	TF4B3021S	94
TW4B3621S	76	YFE30B21S	94
YCS36B21S	76	FOR USE WITH MODELS:	97
FOR USE WITH MODELS:	79	TF4B3621S	97
QW4B42B21S	79	YFE36B21S	97
RAW14L42B21S	79	FOR USE WITH MODELS:	100
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YCS42B21S	79	YFE42B21S	100
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AIR CONDITIONERS

FOR USE WITH MODELS WITH ORIFICE:

RAC13L18B21S

TC3B1821(S,H)

YCD18B21(S,H)

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	

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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
80/57	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	443
		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		

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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)	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:

QC3B24B21S

RAC13L24B21S

TC3B2421(S,H)

YCD24B21(S,H)

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		

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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	455
		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	472
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:

QC3B30B21S

RAC13L30B21S

TC3B3021(S,H)

YCD30B21(S,H)

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	468
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	485
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:

QC3B36B21S

RAC13L36B21S

TC3B3621(S,H)

YCD36B21(S,H)

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		

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
80/57	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	466
		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		

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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)	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	490
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:

QC3B42B21S

RAC13L42B21S

TC3B4221(S,H)

YCD42B21(S,H)

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	
	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	
	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	469
		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	487
		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:

QC3B48B21S

RAC13L48B21S

TC3B4821S

YCD48B21S

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	528
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:

QC3B60B21S

RAC13L60B21S

TC3B6021S

YCD60B21S

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	
	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	
	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		

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	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	487
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	513
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 TXV:
 RAC13L18B21S
 TC3B1821(S,H)
 YCD18B21(S,H)

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		

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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
80/57	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	494
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	490
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:

QC3B24B21S

RAC13L24B21S

TC3B2421(S,H)

YCD24B21(S,H)

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	497
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	505
		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:

QC3B30B21S

RAC13L30B21S

TC3B3021(S,H)

YCD30B21(S,H)

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		

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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)	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	544
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	

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
80/67	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:

- QC3B36B21S
- RAC13L36B21S
- TC3B3621(S,H)
- YCD36B21(S,H)

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	

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
80/57	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		

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)	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:

QC3B42B21S

RAC13L42B21S

TC3B4221(S,H)

YCD42B21(S,H)

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	526
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	513
		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:

QC3B48B21S

RAC13L48B21S

TC3B4821S

YCD48B21S

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	526
		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		

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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:

QC3B60B21S

RAC13L60B21S

TC3B6021S

YCD60B21S

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		

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)	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	542
		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		

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)	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	529
		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:

RAC14L18B21S

TC4B1821H

YCE18B21H

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	537
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:

QC4B24B21S

RAC14L24B21S

TC4B2421H

YCE24B21H

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

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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	530
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	519
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:

QC4B30B21S

RAC14L30B21S

TC4B3021H

YCE30B21H

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		

Continued on next page.

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	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)			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

Continued on next page.

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	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)			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:

QC4B36B21S

RAC14L36B21S

TC4B3621H

YCE36B21H

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	

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
80/57	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	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)			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	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)			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:

QC4B42B21S

RAC14L42B21S

TC4B4221H

YCE42B21H

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		

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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

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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:

QC4B48B21S

RAC14L48B21S

TC4B4821S

YCE48B21S

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	

Continued on next page.

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	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	

Continued on next page.

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	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:

QC4B60B21S

RAC14L60B21S

TC4B6021S

YCE60B21S

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	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)			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	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)	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:
 RAW14L18B21S
 TW4B1821S
 YCS18B21S

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	

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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	549
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:

QW4B24B21S

RAW14L24B21S

TW4B2421S

YCS24B21S

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	571
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	558
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:

QW4B30B21S
 RAW14L30B21S
 TW4B3021S
 YCS30B21S

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	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)			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:

QW4B36B21S

RAW14L36B21S

TW4B3621S

YCS36B21S

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	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)			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

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)	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	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)			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:

QW4B42B21S
 RAW14L42B21S
 TW4B4221S
 YCS42B21S

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	590
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	565
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:

- QW4B48B21S
- RAW14L48B21S
- TW4B4821S
- YCS48B21S

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

Continued on next page.

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:

QW4B60B21S
 RAW14L60B21S
 TW4B6021S
 YCS60B21S

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	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)			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	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)			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:

TF4B1821S

YFE18B21S

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		

Continued on next page.

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

Continued on next page.

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:
TF4B2421S
YFE24B21S

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	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)			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	540
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:

TF4B3021S

YFE30B21S

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		

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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	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)			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:
 TF4B3621S
 YFE36B21S

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

Continued on next page.

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	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)			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	

Continued on next page.

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	529
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:

TF4B4221S

YFE42B21S

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		

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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
80/57	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	543
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

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
80/67	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:

TF4B4821S

YFE48B21S

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:

TF4B6021S

YFE60B21S

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	536
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	543
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	

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5146691-UAG-B-0915
 Supersedes: 5146691-UAG-A-0815