

SERVICE DATA APPLICATION GUIDE HEAT PUMPS



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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FOR USE WITH MODELS WITH TXV:

YHE18B21S

TH4B1821S

RHP14L18B21S

YHE18B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	190(9)	193(9)	196(10)	196(10)
60	205(8)	209(8)	211(9)	212(9)
65	221(8)	225(8)	227(9)	228(9)
70	237(7)	241(7)	243(8)	244(8)
75	253(7)	257(7)	259(7)	260(7)
80	276(7)	280(7)	283(8)	284(8)
85	300(8)	303(8)	307(9)	308(9)
90	323(8)	326(8)	330(9)	332(9)
95	347(9)	349(9)	354(9)	356(9)
100	376(9)	378(9)	383(10)	385(10)
105	405(10)	408(10)	412(11)	414(11)
110	433(10)	437(10)	440(11)	443(11)
115	462(10)	467(11)	469(11)	472(11)
120	491(10)	496(10)	498(11)	501(11)
125	520(10)	526(10)	527(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.

YHE18B21S 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)	192	224	255	302	349	407	465	524
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	9	9	7	9	9	11	11	10
		SUCTION PRESSURE (PSIG)	117	119	121	123	126	129	131	134
		SUCTION TEMPERATURE (°F)	49	50	51	52	53	55	56	58
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	3.7	4.1	4.6	5.1	5.7	6.6	7.4	8.3
		COMPRESSOR CURRENT (A)	2.9	3.4	3.8	4.4	5	5.8	6.7	7.5
	INDOOR COIL TEMP DROP (°F)	27	27	26	25	24	23	22	22	
	600	LIQUID PRESSURE (PSIG)	193	225	256	303	350	408	466	524
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	7	9	9	11	11	10
		SUCTION PRESSURE (PSIG)	122	124	127	129	131	134	136	139
		SUCTION TEMPERATURE (°F)	52	53	54	55	56	57	58	60
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	3.7	4.1	4.5	5.1	5.7	6.6	7.4	8.3
		COMPRESSOR CURRENT (A)	2.9	3.4	3.8	4.4	5.0	5.8	6.7	7.6
	INDOOR COIL TEMP DROP (°F)	24	23	23	22	22	21	20	19	
	750	LIQUID PRESSURE (PSIG)	194	226	257	304	351	409	467	525
		LIQUID TEMPERATURE (°F)	58	68	78	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	9	7	9	9	11	11	11
		SUCTION PRESSURE (PSIG)	128	130	132	134	136	139	141	144
		SUCTION TEMPERATURE (°F)	55	56	56	57	58	59	60	62
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	11	11
OUTDOOR UNIT CURRENT (A)		3.7	4.1	4.5	5.1	5.7	6.6	7.4	8.3	
COMPRESSOR CURRENT (A)		2.9	3.3	3.8	4.4	4.9	5.8	6.7	7.6	
INDOOR COIL TEMP DROP (°F)	21	20	20	19	19	18	18	17		

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YHE18B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	450	LIQUID PRESSURE (PSIG)	192	224	256	300	345	405	465	525
		LIQUID TEMPERATURE (°F)	57	67	78	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	9	9	7	8	8	10	11	10
		SUCTION PRESSURE (PSIG)	117	119	121	125	128	131	133	135
		SUCTION TEMPERATURE (°F)	49	50	51	52	54	55	56	58
		SUCTION SUPERHEAT (°F)	10	10	10	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	3.7	4.1	4.6	5.1	5.7	6.6	7.5	8.3
		COMPRESSOR CURRENT (A)	2.9	3.4	3.8	4.4	5	5.8	6.7	7.6
	INDOOR COIL TEMP DROP (°F)	31	31	30	29	28	27	26	26	
	600	LIQUID PRESSURE (PSIG)	193	225	257	303	349	408	467	526
		LIQUID TEMPERATURE (°F)	58	68	78	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	9	8	7	8	9	10	11	10
		SUCTION PRESSURE (PSIG)	125	126	127	130	133	136	139	141
		SUCTION TEMPERATURE (°F)	53	53	54	55	56	57	59	61
		SUCTION SUPERHEAT (°F)	10	10	10	10	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	3.6	4.1	4.6	5.1	5.7	6.6	7.5	8.3
		COMPRESSOR CURRENT (A)	2.9	3.4	3.8	4.4	5	5.8	6.7	7.6
	INDOOR COIL TEMP DROP (°F)	27	27	27	26	25	24	23	23	
	750	LIQUID PRESSURE (PSIG)	194	226	258	305	352	411	469	527
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	9	8	7	8	9	10	11	10
		SUCTION PRESSURE (PSIG)	132	133	133	136	138	141	144	148
		SUCTION TEMPERATURE (°F)	57	57	56	57	58	60	62	63
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	3.6	4.1	4.5	5.1	5.7	6.6	7.5	8.3
		COMPRESSOR CURRENT (A)	2.9	3.3	3.8	4.4	5	5.9	6.7	7.6
	INDOOR COIL TEMP DROP (°F)	23	24	24	23	22	21	20	19	
	80/67	450	LIQUID PRESSURE (PSIG)	195	227	259	306	353	411	469
LIQUID TEMPERATURE (°F)			58	68	78	88	98	107	117	127
LIQUID SUBCOOLING (°F)			10	9	7	9	9	11	11	11
SUCTION PRESSURE (PSIG)			127	130	133	135	137	140	143	146
SUCTION TEMPERATURE (°F)			54	55	56	57	57	59	60	62
SUCTION SUPERHEAT (°F)			10	10	9	9	9	10	10	10
OUTDOOR UNIT CURRENT (A)			3.7	4.1	4.6	5.1	5.7	6.6	7.4	8.2
COMPRESSOR CURRENT (A)			2.9	3.4	3.8	4.4	5	5.8	6.6	7.5
INDOOR COIL TEMP DROP (°F)		27	26	26	25	25	24	23	22	
600		LIQUID PRESSURE (PSIG)	196	227	259	307	354	412	469	527
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	10	9	7	9	9	11	11	11
		SUCTION PRESSURE (PSIG)	133	136	138	141	143	145	148	151
		SUCTION TEMPERATURE (°F)	58	58	58	59	60	61	63	64
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	3.7	4.1	4.5	5.1	5.7	6.5	7.4	8.2
		COMPRESSOR CURRENT (A)	2.9	3.3	3.8	4.4	5	5.8	6.6	7.5
INDOOR COIL TEMP DROP (°F)		23	23	23	22	22	21	20	19	
750		LIQUID PRESSURE (PSIG)	197	228	260	307	355	413	470	528
		LIQUID TEMPERATURE (°F)	58	69	79	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	10	9	7	9	9	10	11	11
		SUCTION PRESSURE (PSIG)	139	141	144	146	148	150	153	155
		SUCTION TEMPERATURE (°F)	61	61	61	62	63	64	65	66
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	11	11	11
		OUTDOOR UNIT CURRENT (A)	3.7	4.1	4.5	5.1	5.7	6.5	7.4	8.2
		COMPRESSOR CURRENT (A)	2.9	3.3	3.7	4.4	5	5.8	6.6	7.5
INDOOR COIL TEMP DROP (°F)		20	20	20	19	19	18	18	17	

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YHE18B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	450	LIQUID PRESSURE (PSIG)	195	227	258	306	354	412	470	528
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	10	9	7	9	9	11	11	11
		SUCTION PRESSURE (PSIG)	138	141	144	146	149	152	155	158
		SUCTION TEMPERATURE (°F)	61	61	61	62	63	65	66	68
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	3.6	4.1	4.5	5.1	5.7	6.5	7.3	8.2
		COMPRESSOR CURRENT (A)	2.9	3.3	3.7	4.3	4.9	5.7	6.6	7.4
	INDOOR COIL TEMP DROP (°F)	22	21	21	20	19	19	18	17	
	600	LIQUID PRESSURE (PSIG)	196	228	260	308	356	414	472	530
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	10	9	7	9	9	11	11	11
		SUCTION PRESSURE (PSIG)	143	146	149	152	154	157	159	162
		SUCTION TEMPERATURE (°F)	64	64	64	65	66	67	68	70
		SUCTION SUPERHEAT (°F)	14	12	11	11	11	12	12	12
		OUTDOOR UNIT CURRENT (A)	3.6	4	4.5	5.1	5.7	6.5	7.3	8.2
		COMPRESSOR CURRENT (A)	2.9	3.3	3.7	4.3	4.9	5.7	6.6	7.4
	INDOOR COIL TEMP DROP (°F)	19	18	18	17	17	16	15	15	
	750	LIQUID PRESSURE (PSIG)	198	230	261	309	357	415	473	531
		LIQUID TEMPERATURE (°F)	58	69	79	89	98	108	117	127
		LIQUID SUBCOOLING (°F)	10	9	7	9	9	11	11	11
		SUCTION PRESSURE (PSIG)	147	151	155	157	159	162	164	166
		SUCTION TEMPERATURE (°F)	67	67	67	67	68	69	70	71
		SUCTION SUPERHEAT (°F)	15	14	12	12	12	12	12	13
OUTDOOR UNIT CURRENT (A)		3.6	4	4.5	5.1	5.7	6.5	7.3	8.2	
COMPRESSOR CURRENT (A)		2.9	3.3	3.7	4.3	4.9	5.7	6.6	7.4	
INDOOR COIL TEMP DROP (°F)	16	15	15	15	14	14	13	13		

YHE18B21S W/ NOMINAL COIL

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	450	LIQUID PRESSURE (PSIG)	381	351	336	318	274	276
		LIQUID TEMPERATURE (°F)	85	76	70	62	52	49
		LIQUID SUBCOOLING (°F)	28	31	34	38	38	42
		SUCTION PRESSURE (PSIG)	136	110	97	79	53	53
		SUCTION TEMPERATURE (°F)	60	47	41	33	19	16
		SUCTION SUPERHEAT (°F)	13	11	11	13	16	13
		OUTDOOR UNIT CURRENT (A)	6.0	6.0	6.0	6.0	5.0	5.0
		COMPRESSOR CURRENT (A)	5.0	5.0	5.0	5.0	4.0	4.0
		INDOOR COIL TEMP RISE (°F)	43	37	34	29	21	20
	600	LIQUID PRESSURE (PSIG)	345	319	308	294	263	259
		LIQUID TEMPERATURE (°F)	81	72	67	60	53	48
		LIQUID SUBCOOLING (°F)	25	28	31	35	34	38
		SUCTION PRESSURE (PSIG)	134	110	97	80	57	52
		SUCTION TEMPERATURE (°F)	60	47	41	32	20	16
		SUCTION SUPERHEAT (°F)	13	11	11	11	14	13
		OUTDOOR UNIT CURRENT (A)	6.0	5.0	5.0	5.0	5.0	5.0
		COMPRESSOR CURRENT (A)	5.0	5.0	5.0	4.0	4.0	4.0
		INDOOR COIL TEMP RISE (°F)	35	30	27	24	17	16
	750	LIQUID PRESSURE (PSIG)	309	286	281	270	251	243
		LIQUID TEMPERATURE (°F)	76	69	64	58	53	47
		LIQUID SUBCOOLING (°F)	22	24	28	31	31	35
		SUCTION PRESSURE (PSIG)	133	109	96	80	61	52
		SUCTION TEMPERATURE (°F)	60	47	41	32	21	15
		SUCTION SUPERHEAT (°F)	14	11	12	11	12	12
OUTDOOR UNIT CURRENT (A)		5.0	5.0	5.0	5.0	5.0	5.0	
COMPRESSOR CURRENT (A)		4.0	4.0	4.0	4.0	4.0	4.0	
INDOOR COIL TEMP RISE (°F)		27	23	21	18	14	12	
70	450	LIQUID PRESSURE (PSIG)	427	394	384	363	324	318
		LIQUID TEMPERATURE (°F)	92	82	77	69	60	56
		LIQUID SUBCOOLING (°F)	30	34	37	41	42	44
		SUCTION PRESSURE (PSIG)	137	111	98	80	58	53
		SUCTION TEMPERATURE (°F)	60	48	42	34	21	17
		SUCTION SUPERHEAT (°F)	12	11	12	13	14	14
		OUTDOOR UNIT CURRENT (A)	7.0	6.0	6.0	6.0	6.0	6.0
		COMPRESSOR CURRENT (A)	6.0	6.0	6.0	5.0	5.0	5.0
		INDOOR COIL TEMP RISE (°F)	42	36	33	28	21	19
	600	LIQUID PRESSURE (PSIG)	389	361	354	338	308	300
		LIQUID TEMPERATURE (°F)	88	79	74	67	59	55
		LIQUID SUBCOOLING (°F)	27	30	34	38	39	41
		SUCTION PRESSURE (PSIG)	136	111	98	80	60	53
		SUCTION TEMPERATURE (°F)	60	48	42	33	22	16
		SUCTION SUPERHEAT (°F)	13	11	12	12	14	13
		OUTDOOR UNIT CURRENT (A)	6.0	6.0	6.0	6.0	5.0	5.0
		COMPRESSOR CURRENT (A)	6.0	5.0	5.0	5.0	5.0	5.0
		INDOOR COIL TEMP RISE (°F)	34	29	27	23	18	16
	750	LIQUID PRESSURE (PSIG)	352	329	325	313	292	283
		LIQUID TEMPERATURE (°F)	84	75	71	66	59	55
		LIQUID SUBCOOLING (°F)	23	28	31	33	35	37
		SUCTION PRESSURE (PSIG)	135	110	97	80	62	53
		SUCTION TEMPERATURE (°F)	60	47	41	33	22	16
		SUCTION SUPERHEAT (°F)	13	11	11	12	12	13
OUTDOOR UNIT CURRENT (A)		6.0	5.0	6.0	5.0	5.0	5.0	
COMPRESSOR CURRENT (A)		5.0	5.0	5.0	5.0	4.0	4.0	
INDOOR COIL TEMP RISE (°F)		27	22	21	18	14	12	

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YHE18B21S W/ NOMINAL COIL (Continued)

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
80	450	LIQUID PRESSURE (PSIG)	472	436	432	409	375	361
		LIQUID TEMPERATURE (°F)	100	88	83	76	67	63
		LIQUID SUBCOOLING (°F)	29	35	40	43	45	46
		SUCTION PRESSURE (PSIG)	139	112	98	82	63	54
		SUCTION TEMPERATURE (°F)	60	49	43	35	23	18
		SUCTION SUPERHEAT (°F)	11	12	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	7.0	7.0	7.0	7.0	6.0	6.0
		COMPRESSOR CURRENT (A)	7.0	6.0	6.0	6.0	6.0	6.0
		INDOOR COIL TEMP RISE (°F)	41	34	32	28	22	19
	600	LIQUID PRESSURE (PSIG)	434	404	400	382	354	342
		LIQUID TEMPERATURE (°F)	95	85	81	74	66	62
		LIQUID SUBCOOLING (°F)	28	33	36	39	42	43
		SUCTION PRESSURE (PSIG)	138	112	98	81	63	54
		SUCTION TEMPERATURE (°F)	60	48	42	34	23	17
		SUCTION SUPERHEAT (°F)	12	11	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	7.0	7.0	7.0	6.0	6.0	6.0
		COMPRESSOR CURRENT (A)	6.0	6.0	6.0	6.0	5.0	5.0
		INDOOR COIL TEMP RISE (°F)	33	28	26	22	18	15
	750	LIQUID PRESSURE (PSIG)	395	372	369	356	333	322
		LIQUID TEMPERATURE (°F)	91	82	78	73	65	62
		LIQUID SUBCOOLING (°F)	25	29	33	35	38	39
		SUCTION PRESSURE (PSIG)	137	111	98	81	62	54
		SUCTION TEMPERATURE (°F)	60	48	42	34	23	17
		SUCTION SUPERHEAT (°F)	12	11	12	13	13	13
OUTDOOR UNIT CURRENT (A)		6.0	6.0	6.0	6.0	6.0	6.0	
COMPRESSOR CURRENT (A)		6.0	5.0	5.0	5.0	5.0	5.0	
INDOOR COIL TEMP RISE (°F)		26	21	20	17	14	12	

FOR USE WITH MODELS WITH TXV:

YHE24B21S**TH4B2421S****RHP14L24B21S****QH4B24B21S**

YHE24B21S 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(11)	198(11)	201(11)	202(12)
60	212(10)	215(11)	217(11)	218(11)
65	229(10)	232(11)	234(11)	235(11)
70	245(9)	249(10)	251(10)	252(10)
75	262(9)	266(10)	268(9)	269(10)
80	287(10)	290(10)	293(10)	294(11)
85	312(11)	315(11)	318(11)	319(12)
90	337(11)	340(11)	343(11)	344(12)
95	362(11)	365(12)	368(12)	369(12)
100	391(12)	394(12)	397(12)	398(12)
105	421(13)	423(13)	426(13)	428(13)
110	450(13)	452(13)	455(13)	457(13)
115	480(13)	481(13)	485(14)	487(14)
120	509(12)	510(13)	514(13)	516(13)
125	539(12)	540(13)	543(13)	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.

YHE24B21S 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)	196	229	262	312	361	420	479	538
		LIQUID TEMPERATURE (°F)	56	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	11	11	10	12	12	13	13	13
		SUCTION PRESSURE (PSIG)	115	117	119	121	123	127	130	133
		SUCTION TEMPERATURE (°F)	48	48	49	50	51	52	54	55
		SUCTION SUPERHEAT (°F)	9	9	8	9	9	9	8	8
		OUTDOOR UNIT CURRENT (A)	5.0	5.5	6.1	6.9	7.7	9	10.2	11.4
		COMPRESSOR CURRENT (A)	4.1	4.7	5.3	6.1	6.9	8.1	9.4	10.6
	INDOOR COIL TEMP DROP (°F)	26	26	25	24	23	22	21	21	
	800	LIQUID PRESSURE (PSIG)	198	231	264	313	363	422	480	539
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	11	11	10	11	12	13	13	13
		SUCTION PRESSURE (PSIG)	121	123	125	127	129	131	134	137
		SUCTION TEMPERATURE (°F)	51	51	51	52	53	54	55	57
		SUCTION SUPERHEAT (°F)	10	9	8	8	9	8	9	9
		OUTDOOR UNIT CURRENT (A)	5.0	5.5	6.1	6.9	7.7	9	10.2	11.4
		COMPRESSOR CURRENT (A)	4.1	4.7	5.3	6.1	6.9	8.1	9.4	10.6
	INDOOR COIL TEMP DROP (°F)	23	23	22	21	21	20	19	19	
	1000	LIQUID PRESSURE (PSIG)	199	232	265	315	364	423	482	540
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	11	11	10	11	12	13	14	13
		SUCTION PRESSURE (PSIG)	126	128	130	132	134	136	138	141
		SUCTION TEMPERATURE (°F)	54	54	53	54	55	56	57	59
		SUCTION SUPERHEAT (°F)	11	9	8	8	8	8	9	9
OUTDOOR UNIT CURRENT (A)		5.0	5.5	6.1	6.9	7.7	9	10.2	11.4	
COMPRESSOR CURRENT (A)		4.1	4.7	5.3	6.1	6.9	8.1	9.4	10.6	
INDOOR COIL TEMP DROP (°F)	20	20	19	19	19	18	17	17		

Continued on next page.

YHE24B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	600	LIQUID PRESSURE (PSIG)	198	231	265	314	363	422	480	539
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	11	11	10	11	12	13	13	13
		SUCTION PRESSURE (PSIG)	115	117	119	122	124	127	130	133
		SUCTION TEMPERATURE (°F)	47	48	50	51	52	53	54	56
		SUCTION SUPERHEAT (°F)	8	9	9	9	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	5.0	5.6	6.2	7	7.8	9	10.2	11.4
		COMPRESSOR CURRENT (A)	4.1	4.7	5.4	6.2	7	8.2	9.4	10.6
	INDOOR COIL TEMP DROP (°F)	31	30	29	28	27	26	26	25	
	800	LIQUID PRESSURE (PSIG)	198	232	266	315	365	423	481	540
		LIQUID TEMPERATURE (°F)	57	67	78	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	10	11	12	13	13	13
		SUCTION PRESSURE (PSIG)	121	123	125	127	130	133	136	139
		SUCTION TEMPERATURE (°F)	51	51	52	53	54	55	57	58
		SUCTION SUPERHEAT (°F)	9	9	8	9	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	5.0	5.6	6.2	7	7.8	9	10.2	11.4
		COMPRESSOR CURRENT (A)	4.1	4.7	5.3	6.1	6.9	8.2	9.4	10.6
	INDOOR COIL TEMP DROP (°F)	27	27	26	25	25	24	23	21	
	1000	LIQUID PRESSURE (PSIG)	199	233	266	316	366	424	482	541
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	9	11	12	13	13	13
		SUCTION PRESSURE (PSIG)	126	129	131	133	135	139	142	146
		SUCTION TEMPERATURE (°F)	54	54	54	55	56	58	59	61
		SUCTION SUPERHEAT (°F)	11	9	8	8	9	9	9	9
OUTDOOR UNIT CURRENT (A)		4.9	5.5	6.1	6.9	7.8	9	10.2	11.4	
COMPRESSOR CURRENT (A)		4.1	4.7	5.3	6.1	6.9	8.1	9.4	10.6	
INDOOR COIL TEMP DROP (°F)	24	23	23	23	22	21	19	18		
80/67	600	LIQUID PRESSURE (PSIG)	200	233	267	317	367	425	483	542
		LIQUID TEMPERATURE (°F)	57	68	78	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	10	12	12	13	14	13
		SUCTION PRESSURE (PSIG)	126	129	131	133	135	138	141	144
		SUCTION TEMPERATURE (°F)	54	54	53	54	55	57	58	60
		SUCTION SUPERHEAT (°F)	10	9	8	8	8	8	9	9
		OUTDOOR UNIT CURRENT (A)	5.0	5.6	6.2	7	7.8	9	10.2	11.4
		COMPRESSOR CURRENT (A)	4.1	4.7	5.3	6.1	7	8.2	9.4	10.7
	INDOOR COIL TEMP DROP (°F)	26	25	25	24	23	22	21	21	
	800	LIQUID PRESSURE (PSIG)	201	234	268	318	368	426	485	543
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	9	11	12	13	14	13
		SUCTION PRESSURE (PSIG)	131	134	136	138	141	143	146	149
		SUCTION TEMPERATURE (°F)	58	57	56	57	58	59	60	61
		SUCTION SUPERHEAT (°F)	13	10	8	8	8	8	9	9
		OUTDOOR UNIT CURRENT (A)	5.0	5.6	6.1	6.9	7.8	9	10.2	11.4
		COMPRESSOR CURRENT (A)	4.1	4.7	5.3	6.1	6.9	8.2	9.4	10.6
	INDOOR COIL TEMP DROP (°F)	23	22	22	21	21	20	19	18	
	1000	LIQUID PRESSURE (PSIG)	202	235	269	319	369	427	486	544
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	12	11	9	11	12	13	13	13
		SUCTION PRESSURE (PSIG)	135	138	142	144	146	148	151	154
		SUCTION TEMPERATURE (°F)	62	61	59	59	60	61	62	63
		SUCTION SUPERHEAT (°F)	15	12	9	9	8	8	9	9
OUTDOOR UNIT CURRENT (A)		5.0	5.5	6.1	6.9	7.7	9	10.2	11.4	
COMPRESSOR CURRENT (A)		4.1	4.7	5.3	6.1	6.9	8.1	9.4	10.6	
INDOOR COIL TEMP DROP (°F)	20	19	19	19	18	18	17	16		

Continued on next page.

YHE24B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	600	LIQUID PRESSURE (PSIG)	201	234	267	317	368	427	486	545
		LIQUID TEMPERATURE (°F)	57	67	78	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	12	11	10	12	12	13	14	13
		SUCTION PRESSURE (PSIG)	134	138	143	145	148	151	154	157
		SUCTION TEMPERATURE (°F)	63	61	59	60	60	62	63	64
		SUCTION SUPERHEAT (°F)	16	13	9	8	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	4.9	5.5	6.1	6.9	7.7	8.9	10.1	11.4
		COMPRESSOR CURRENT (A)	4.1	4.7	5.2	6.1	6.9	8.1	9.3	10.6
	INDOOR COIL TEMP DROP (°F)	21	20	20	19	19	18	17	16	
	800	LIQUID PRESSURE (PSIG)	202	235	269	319	369	428	487	546
		LIQUID TEMPERATURE (°F)	57	68	78	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	12	11	10	12	12	13	14	13
		SUCTION PRESSURE (PSIG)	136	142	148	150	153	156	159	162
		SUCTION TEMPERATURE (°F)	67	65	62	63	63	64	65	66
		SUCTION SUPERHEAT (°F)	19	15	10	9	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	5.0	5.5	6.1	6.9	7.7	8.9	10.1	11.3
		COMPRESSOR CURRENT (A)	4.1	4.7	5.2	6.1	6.9	8.1	9.3	10.6
	INDOOR COIL TEMP DROP (°F)	17	17	17	17	16	16	15	14	
	1000	LIQUID PRESSURE (PSIG)	204	237	270	320	371	429	488	547
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	13	12	10	11	12	13	14	13
		SUCTION PRESSURE (PSIG)	139	146	153	155	158	161	163	166
		SUCTION TEMPERATURE (°F)	71	68	65	65	65	66	67	68
		SUCTION SUPERHEAT (°F)	22	16	11	10	10	9	10	9
OUTDOOR UNIT CURRENT (A)		5.0	5.5	6.1	6.9	7.7	8.9	10.1	11.3	
COMPRESSOR CURRENT (A)		4.1	4.7	5.2	6.1	6.9	8.1	9.3	10.5	
INDOOR COIL TEMP DROP (°F)	14	14	15	14	14	13	13	12		

YHE24B21S W/ NOMINAL COIL

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	600	LIQUID PRESSURE (PSIG)	399	369	353	333	298	286
		LIQUID TEMPERATURE (°F)	83	73	68	61	53	51
		LIQUID SUBCOOLING (°F)	34	38	40	42	43	42
		SUCTION PRESSURE (PSIG)	136	109	96	81	60	54
		SUCTION TEMPERATURE (°F)	59	47	41	32	20	14
		SUCTION SUPERHEAT (°F)	12	11	12	11	12	10
		OUTDOOR UNIT CURRENT (A)	9.0	8.0	8.0	8.0	7.0	7.0
		COMPRESSOR CURRENT (A)	8.0	7.0	7.0	7.0	6.0	6.0
	INDOOR COIL TEMP RISE (°F)	43	37	33	29	22	19	
	800	LIQUID PRESSURE (PSIG)	359	335	323	306	280	270
		LIQUID TEMPERATURE (°F)	79	69	65	59	52	50
		LIQUID SUBCOOLING (°F)	30	35	36	39	39	39
		SUCTION PRESSURE (PSIG)	135	109	96	80	60	54
		SUCTION TEMPERATURE (°F)	59	47	41	32	20	14
		SUCTION SUPERHEAT (°F)	12	11	12	11	12	10
		OUTDOOR UNIT CURRENT (A)	8.0	8.0	7.0	7.0	7.0	7.0
		COMPRESSOR CURRENT (A)	7.0	7.0	7.0	6.0	6.0	6.0
	INDOOR COIL TEMP RISE (°F)	35	30	27	23	18	16	
	1000	LIQUID PRESSURE (PSIG)	320	301	292	280	262	253
		LIQUID TEMPERATURE (°F)	74	66	62	57	52	49
		LIQUID SUBCOOLING (°F)	27	30	32	34	35	36
		SUCTION PRESSURE (PSIG)	134	108	96	79	61	53
		SUCTION TEMPERATURE (°F)	59	47	40	32	20	14
		SUCTION SUPERHEAT (°F)	12	12	11	12	11	11
OUTDOOR UNIT CURRENT (A)		7.0	7.0	7.0	7.0	7.0	6.0	
COMPRESSOR CURRENT (A)		6.0	6.0	6.0	6.0	6.0	5.0	
INDOOR COIL TEMP RISE (°F)	27	23	21	18	14	12		
70	600	LIQUID PRESSURE (PSIG)	449	418	401	380	344	331
		LIQUID TEMPERATURE (°F)	90	80	75	69	60	57
		LIQUID SUBCOOLING (°F)	36	40	42	44	46	46
		SUCTION PRESSURE (PSIG)	137	110	97	82	60	54
		SUCTION TEMPERATURE (°F)	59	114	41	33	21	16
		SUCTION SUPERHEAT (°F)	11	78	11	11	13	12
		OUTDOOR UNIT CURRENT (A)	10.0	9.0	9.0	9.0	8.0	8.0
		COMPRESSOR CURRENT (A)	9.0	8.0	8.0	8.0	7.0	7.0
	INDOOR COIL TEMP RISE (°F)	42	36	32	28	21	19	
	800	LIQUID PRESSURE (PSIG)	407	383	369	352	323	312
		LIQUID TEMPERATURE (°F)	86	76	72	67	59	56
		LIQUID SUBCOOLING (°F)	32	38	39	40	42	43
		SUCTION PRESSURE (PSIG)	136	109	97	81	60	53
		SUCTION TEMPERATURE (°F)	59	81	41	33	20	15
		SUCTION SUPERHEAT (°F)	12	45	11	12	12	12
		OUTDOOR UNIT CURRENT (A)	9.0	8.0	8.0	8.0	8.0	7.0
		COMPRESSOR CURRENT (A)	8.0	8.0	7.0	7.0	7.0	7.0
	INDOOR COIL TEMP RISE (°F)	34	29	26	23	17	15	
	1000	LIQUID PRESSURE (PSIG)	365	348	338	324	302	294
		LIQUID TEMPERATURE (°F)	81	73	70	65	59	55
		LIQUID SUBCOOLING (°F)	29	34	35	37	38	40
		SUCTION PRESSURE (PSIG)	135	109	97	80	60	53
		SUCTION TEMPERATURE (°F)	59	48	41	32	20	15
		SUCTION SUPERHEAT (°F)	12	12	11	11	12	12
OUTDOOR UNIT CURRENT (A)		8.0	7.0	8.0	8.0	7.0	7.0	
COMPRESSOR CURRENT (A)		7.0	8.0	7.0	7.0	6.0	6.0	
INDOOR COIL TEMP RISE (°F)	27	23	20	17	13	12		

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YHE24B21S W/ NOMINAL COIL (Continued)

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
80	600	LIQUID PRESSURE (PSIG)	498	468	449	428	389	375
		LIQUID TEMPERATURE (°F)	97	87	82	76	67	64
		LIQUID SUBCOOLING (°F)	37	42	44	46	48	48
		SUCTION PRESSURE (PSIG)	138	110	98	83	61	54
		SUCTION TEMPERATURE (°F)	60	181	42	34	21	17
		SUCTION SUPERHEAT (°F)	12	145	12	11	12	13
		OUTDOOR UNIT CURRENT (A)	11.0	10.0	10.0	9.0	9.0	9.0
		COMPRESSOR CURRENT (A)	10.0	9.0	9.0	9.0	8.0	8.0
	INDOOR COIL TEMP RISE (°F)	41	34	31	27	20	18	
	800	LIQUID PRESSURE (PSIG)	455	431	416	397	366	355
		LIQUID TEMPERATURE (°F)	93	84	80	74	67	63
		LIQUID SUBCOOLING (°F)	34	38	40	42	43	45
		SUCTION PRESSURE (PSIG)	137	110	98	82	60	53
		SUCTION TEMPERATURE (°F)	60	115	42	33	21	16
		SUCTION SUPERHEAT (°F)	12	79	12	11	13	13
		OUTDOOR UNIT CURRENT (A)	10.0	9.0	9.0	9.0	8.0	8.0
		COMPRESSOR CURRENT (A)	9.0	9.0	8.0	8.0	7.0	7.0
	INDOOR COIL TEMP RISE (°F)	33	28	25	22	16	14	
	1000	LIQUID PRESSURE (PSIG)	411	395	383	367	342	334
		LIQUID TEMPERATURE (°F)	89	81	78	72	66	62
		LIQUID SUBCOOLING (°F)	30	35	36	38	39	42
		SUCTION PRESSURE (PSIG)	136	110	98	81	59	53
		SUCTION TEMPERATURE (°F)	59	49	42	33	20	15
		SUCTION SUPERHEAT (°F)	12	13	12	12	12	12
OUTDOOR UNIT CURRENT (A)		9.0	9.0	8.0	8.0	8.0	8.0	
COMPRESSOR CURRENT (A)		8.0	8.0	8.0	7.0	7.0	7.0	
INDOOR COIL TEMP RISE (°F)	26	22	20	17	12	11		

FOR USE WITH MODELS WITH TXV:

YHE30B21S

TH4B3021S

RHP14L30B21S

QH4B30B21S

YHE30B21S 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(10)	197(11)	199(12)	201(13)
60	208(9)	211(10)	214(10)	215(11)
65	223(8)	226(9)	229(9)	230(10)
70	237(7)	241(7)	243(8)	245(8)
75	252(6)	256(6)	258(7)	260(7)
80	278(7)	282(7)	284(8)	285(8)
85	304(9)	308(9)	311(9)	311(9)
90	330(9)	334(9)	337(9)	337(9)
95	357(10)	358(10)	359(10)	363(10)
100	386(11)	388(11)	391(10)	392(10)
105	415(12)	417(12)	420(11)	421(11)
110	444(12)	445(12)	449(11)	449(11)
115	473(12)	474(12)	478(12)	478(11)
120	502(11)	503(11)	506(11)	507(11)
125	531(11)	532(11)	535(11)	536(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.

YHE30B21S 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	225	255	307	359	416	474	531
		LIQUID TEMPERATURE (°F)	57	67	78	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	9	7	9	11	12	12	12
		SUCTION PRESSURE (PSIG)	115	119	123	124	126	128	131	133
		SUCTION TEMPERATURE (°F)	56	53	50	50	51	52	54	55
		SUCTION SUPERHEAT (°F)	17	12	8	7	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	5.8	6.4	7.1	8	8.9	10.3	11.6	13
		COMPRESSOR CURRENT (A)	4.8	5.5	6.2	7.1	8	9.3	10.6	12
		INDOOR COIL TEMP DROP (°F)	25	25	25	24	23	22	21	20
	1000	LIQUID PRESSURE (PSIG)	196	226	255	307	359	417	474	531
		LIQUID TEMPERATURE (°F)	57	67	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	11	9	6	9	11	12	12	11
		SUCTION PRESSURE (PSIG)	117	122	127	129	130	133	135	137
		SUCTION TEMPERATURE (°F)	60	56	52	52	53	54	55	57
		SUCTION SUPERHEAT (°F)	20	14	8	8	7	8	8	8
		OUTDOOR UNIT CURRENT (A)	5.8	6.4	7.1	8	8.9	10.3	11.6	12.9
		COMPRESSOR CURRENT (A)	4.8	5.5	6.2	7.1	8.0	9.3	10.6	12.0
		INDOOR COIL TEMP DROP (°F)	21	22	22	21	21	20	19	18
	1200	LIQUID PRESSURE (PSIG)	197	226	256	308	360	417	474	531
		LIQUID TEMPERATURE (°F)	57	68	78	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	11	9	6	9	10	12	12	11
		SUCTION PRESSURE (PSIG)	119	125	131	133	134	137	139	141
		SUCTION TEMPERATURE (°F)	64	59	54	54	54	56	57	58
		SUCTION SUPERHEAT (°F)	24	16	8	8	7	8	8	8
OUTDOOR UNIT CURRENT (A)		5.8	6.4	7.1	8	8.9	10.2	11.5	12.9	
COMPRESSOR CURRENT (A)		4.8	5.5	6.2	7.1	8.0	9.3	10.6	11.9	
INDOOR COIL TEMP DROP (°F)		18	19	20	19	18	18	17	16	

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YHE30B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	800	LIQUID PRESSURE (PSIG)	195	225	255	307	360	417	474	531
		LIQUID TEMPERATURE (°F)	57	67	78	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	9	6	9	11	12	12	11
		SUCTION PRESSURE (PSIG)	116	119	123	125	127	129	132	135
		SUCTION TEMPERATURE (°F)	58	53	49	51	52	54	55	56
		SUCTION SUPERHEAT (°F)	19	13	7	8	8	9	9	9
		OUTDOOR UNIT CURRENT (A)	5.8	6.5	7.1	8.1	9	10.3	11.6	13
		COMPRESSOR CURRENT (A)	4.8	5.5	6.2	7.1	8.1	9.4	10.7	12
	INDOOR COIL TEMP DROP (°F)	28	29	29	28	27	26	25	24	
	1000	LIQUID PRESSURE (PSIG)	197	226	256	308	360	417	474	532
		LIQUID TEMPERATURE (°F)	57	68	78	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	11	9	6	9	10	12	12	11
		SUCTION PRESSURE (PSIG)	118	122	127	129	132	135	138	141
		SUCTION TEMPERATURE (°F)	63	57	52	53	54	56	57	59
		SUCTION SUPERHEAT (°F)	23	15	8	8	8	9	9	9
		OUTDOOR UNIT CURRENT (A)	5.8	6.5	7.1	8.1	9	10.3	11.6	12.9
		COMPRESSOR CURRENT (A)	4.8	5.5	6.2	7.1	8	9.3	10.7	12
	INDOOR COIL TEMP DROP (°F)	25	25	26	25	24	23	22	21	
	1200	LIQUID PRESSURE (PSIG)	198	227	256	308	360	417	475	532
		LIQUID TEMPERATURE (°F)	57	68	78	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	11	9	6	9	10	11	12	11
		SUCTION PRESSURE (PSIG)	120	126	132	134	137	140	144	147
		SUCTION TEMPERATURE (°F)	67	61	55	55	56	58	59	61
		SUCTION SUPERHEAT (°F)	27	18	9	9	8	8	8	8
		OUTDOOR UNIT CURRENT (A)	5.8	6.5	7.1	8	8.9	10.3	11.6	12.9
		COMPRESSOR CURRENT (A)	4.8	5.5	6.2	7.1	8	9.3	10.6	11.9
	INDOOR COIL TEMP DROP (°F)	21	22	23	23	22	21	19	18	
	80/67	800	LIQUID PRESSURE (PSIG)	198	227	257	310	363	420	478
LIQUID TEMPERATURE (°F)			57	68	78	88	98	108	118	127
LIQUID SUBCOOLING (°F)			11	9	7	9	10	12	12	11
SUCTION PRESSURE (PSIG)			119	126	134	137	139	142	144	147
SUCTION TEMPERATURE (°F)			67	61	55	55	55	57	58	59
SUCTION SUPERHEAT (°F)			26	17	8	7	6	7	7	7
OUTDOOR UNIT CURRENT (A)			5.8	6.5	7.2	8.1	9	10.3	11.6	12.9
COMPRESSOR CURRENT (A)			4.8	5.5	6.2	7.1	8	9.3	10.7	12
INDOOR COIL TEMP DROP (°F)		22	23	24	24	23	22	21	21	
1000		LIQUID PRESSURE (PSIG)	199	229	258	311	363	420	478	535
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	108	118	127
		LIQUID SUBCOOLING (°F)	12	9	7	9	10	11	12	11
		SUCTION PRESSURE (PSIG)	120	129	138	141	143	145	148	150
		SUCTION TEMPERATURE (°F)	69	64	58	58	57	58	59	61
		SUCTION SUPERHEAT (°F)	28	19	10	8	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	5.8	6.5	7.2	8.1	8.9	10.3	11.6	12.9
		COMPRESSOR CURRENT (A)	4.8	5.5	6.2	7.1	8	9.3	10.7	12
INDOOR COIL TEMP DROP (°F)		19	21	22	21	21	20	19	19	
1200		LIQUID PRESSURE (PSIG)	200	230	260	312	364	421	478	535
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	108	118	128
		LIQUID SUBCOOLING (°F)	12	10	7	9	10	11	12	11
		SUCTION PRESSURE (PSIG)	122	132	142	144	147	149	152	154
		SUCTION TEMPERATURE (°F)	72	67	62	61	59	60	61	62
		SUCTION SUPERHEAT (°F)	30	21	12	10	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	5.8	6.5	7.2	8.1	8.9	10.3	11.6	12.9
		COMPRESSOR CURRENT (A)	4.8	5.5	6.2	7.1	8	9.3	10.6	12
INDOOR COIL TEMP DROP (°F)		16	18	19	19	19	18	18	17	

Continued on next page.

YHE30B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	800	LIQUID PRESSURE (PSIG)	200	229	258	310	362	420	478	536
		LIQUID TEMPERATURE (°F)	57	67	78	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	12	10	7	9	10	11	12	11
		SUCTION PRESSURE (PSIG)	120	132	143	148	152	155	157	160
		SUCTION TEMPERATURE (°F)	72	68	65	63	61	62	63	64
		SUCTION SUPERHEAT (°F)	31	22	14	11	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	5.8	6.5	7.1	8	8.8	10.2	11.5	12.9
		COMPRESSOR CURRENT (A)	4.8	5.5	6.2	7	7.9	9.2	10.6	11.9
	INDOOR COIL TEMP DROP (°F)	17	18	19	19	18	18	17	16	
	1000	LIQUID PRESSURE (PSIG)	201	230	260	311	363	421	478	536
		LIQUID TEMPERATURE (°F)	57	67	78	88	99	108	118	128
		LIQUID SUBCOOLING (°F)	13	10	7	9	10	11	11	11
		SUCTION PRESSURE (PSIG)	121	133	145	151	156	159	161	164
		SUCTION TEMPERATURE (°F)	73	70	68	65	63	64	64	65
		SUCTION SUPERHEAT (°F)	31	24	16	12	8	8	7	7
		OUTDOOR UNIT CURRENT (A)	5.8	6.5	7.1	8	8.8	10.2	11.5	12.8
		COMPRESSOR CURRENT (A)	4.9	5.5	6.2	7	7.9	9.2	10.5	11.9
	INDOOR COIL TEMP DROP (°F)	14	16	17	17	16	16	15	14	
	1200	LIQUID PRESSURE (PSIG)	202	232	261	312	364	421	478	535
		LIQUID TEMPERATURE (°F)	57	67	78	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	13	11	8	9	10	11	11	11
		SUCTION PRESSURE (PSIG)	121	134	147	154	160	163	165	168
		SUCTION TEMPERATURE (°F)	74	72	70	68	65	66	66	66
		SUCTION SUPERHEAT (°F)	32	25	18	13	9	8	8	7
OUTDOOR UNIT CURRENT (A)		5.8	6.5	7.1	8	8.8	10.1	11.4	12.7	
COMPRESSOR CURRENT (A)		4.9	5.5	6.2	7	7.9	9.2	10.5	11.8	
INDOOR COIL TEMP DROP (°F)	12	13	14	14	15	14	13	13		

YHE30B21S W/ NOMINAL COIL

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1000	LIQUID PRESSURE (PSIG)	361	337	321	304	280	274
		LIQUID TEMPERATURE (°F)	82	75	71	66	60	59
		LIQUID SUBCOOLING (°F)	27	29	30	31	31	31
		SUCTION PRESSURE (PSIG)	129	103	92	77	58	50
		SUCTION TEMPERATURE (°F)	152	149	145	143	37	41
		SUCTION SUPERHEAT (°F)	107	116	118	124	30	40
		OUTDOOR UNIT CURRENT (A)	9.0	9.0	8.0	8.0	8.0	8.0
		COMPRESSOR CURRENT (A)	8.0	8.0	7.0	7.0	7.0	7.0
		INDOOR COIL TEMP RISE (°F)	40	34	31	27	22	20
	1200	LIQUID PRESSURE (PSIG)	334	313	300	285	266	261
		LIQUID TEMPERATURE (°F)	78	71	68	64	59	59
		LIQUID SUBCOOLING (°F)	26	28	28	29	29	28
		SUCTION PRESSURE (PSIG)	128	102	91	76	58	49
		SUCTION TEMPERATURE (°F)	145	142	139	137	132	136
		SUCTION SUPERHEAT (°F)	101	110	112	118	125	136
		OUTDOOR UNIT CURRENT (A)	9.0	8.0	8.0	8.0	8.0	7.0
		COMPRESSOR CURRENT (A)	8.0	7.0	7.0	7.0	7.0	6.0
		INDOOR COIL TEMP RISE (°F)	33	28	26	22	18	16
	1400	LIQUID PRESSURE (PSIG)	306	289	280	267	252	247
		LIQUID TEMPERATURE (°F)	75	68	66	62	58	58
		LIQUID SUBCOOLING (°F)	23	26	25	26	26	25
		SUCTION PRESSURE (PSIG)	127	102	91	75	57	49
		SUCTION TEMPERATURE (°F)	138	135	133	131	127	131
		SUCTION SUPERHEAT (°F)	94	103	106	113	121	131
OUTDOOR UNIT CURRENT (A)		8.0	8.0	8.0	7.0	7.0	7.0	
COMPRESSOR CURRENT (A)		7.0	7.0	7.0	6.0	6.0	6.0	
INDOOR COIL TEMP RISE (°F)		27	23	21	18	14	13	
70	1000	LIQUID PRESSURE (PSIG)	409	383	369	349	324	319
		LIQUID TEMPERATURE (°F)	91	83	79	75	69	68
		LIQUID SUBCOOLING (°F)	28	31	32	32	33	32
		SUCTION PRESSURE (PSIG)	130	104	93	78	58	50
		SUCTION TEMPERATURE (°F)	165	162	160	157	153	158
		SUCTION SUPERHEAT (°F)	120	129	132	137	146	157
		OUTDOOR UNIT CURRENT (A)	10.0	10.0	9.0	9.0	9.0	9.0
		COMPRESSOR CURRENT (A)	9.0	9.0	8.0	8.0	8.0	8.0
		INDOOR COIL TEMP RISE (°F)	39	33	30	27	21	19
	1200	LIQUID PRESSURE (PSIG)	380	358	347	330	309	304
		LIQUID TEMPERATURE (°F)	87	80	77	73	68	68
		LIQUID SUBCOOLING (°F)	26	29	29	30	30	29
		SUCTION PRESSURE (PSIG)	129	103	92	77	58	50
		SUCTION TEMPERATURE (°F)	157	155	153	151	147	153
		SUCTION SUPERHEAT (°F)	112	122	126	132	140	152
		OUTDOOR UNIT CURRENT (A)	10.0	9.0	9.0	9.0	8.0	8.0
		COMPRESSOR CURRENT (A)	9.0	8.0	8.0	8.0	7.0	7.0
		INDOOR COIL TEMP RISE (°F)	33	28	25	22	18	16
	1400	LIQUID PRESSURE (PSIG)	351	332	324	311	293	290
		LIQUID TEMPERATURE (°F)	83	77	75	71	67	67
		LIQUID SUBCOOLING (°F)	24	26	27	28	28	27
		SUCTION PRESSURE (PSIG)	128	103	92	76	57	50
		SUCTION TEMPERATURE (°F)	150	147	147	145	142	147
		SUCTION SUPERHEAT (°F)	106	114	120	126	136	146
OUTDOOR UNIT CURRENT (A)		9.0	8.0	9.0	8.0	8.0	8.0	
COMPRESSOR CURRENT (A)		8.0	9.0	8.0	7.0	7.0	7.0	
INDOOR COIL TEMP RISE (°F)		26	22	20	18	14	13	

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YHE30B21S W/ NOMINAL COIL (Continued)

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
80	1000	LIQUID PRESSURE (PSIG)	458	429	417	395	368	363
		LIQUID TEMPERATURE (°F)	99	91	88	83	77	77
		LIQUID SUBCOOLING (°F)	28	31	32	33	34	33
		SUCTION PRESSURE (PSIG)	130	105	94	79	58	51
		SUCTION TEMPERATURE (°F)	177	175	174	172	168	175
		SUCTION SUPERHEAT (°F)	132	141	146	152	161	173
		OUTDOOR UNIT CURRENT (A)	11.0	11.0	11.0	10.0	10.0	10.0
		COMPRESSOR CURRENT (A)	10.0	10.0	10.0	9.0	9.0	8.0
		INDOOR COIL TEMP RISE (°F)	38	32	30	26	21	19
	1200	LIQUID PRESSURE (PSIG)	427	403	393	375	351	348
		LIQUID TEMPERATURE (°F)	95	89	85	82	76	77
		LIQUID SUBCOOLING (°F)	27	28	31	30	31	30
		SUCTION PRESSURE (PSIG)	129	104	93	78	58	51
		SUCTION TEMPERATURE (°F)	170	168	167	166	163	170
		SUCTION SUPERHEAT (°F)	125	135	139	146	156	168
		OUTDOOR UNIT CURRENT (A)	11.0	10.0	10.0	10.0	9.0	9.0
		COMPRESSOR CURRENT (A)	10.0	9.0	9.0	9.0	8.0	8.0
		INDOOR COIL TEMP RISE (°F)	32	27	25	22	17	16
	1400	LIQUID PRESSURE (PSIG)	396	376	369	354	335	332
		LIQUID TEMPERATURE (°F)	92	86	83	80	76	76
		LIQUID SUBCOOLING (°F)	24	26	28	28	28	27
		SUCTION PRESSURE (PSIG)	128	104	93	77	57	50
		SUCTION TEMPERATURE (°F)	162	160	161	160	157	164
		SUCTION SUPERHEAT (°F)	118	127	133	141	151	163
OUTDOOR UNIT CURRENT (A)		10.0	10.0	9.0	9.0	9.0	9.0	
COMPRESSOR CURRENT (A)		9.0	9.0	8.0	8.0	8.0	8.0	
INDOOR COIL TEMP RISE (°F)		26	22	20	17	14	13	

FOR USE WITH MODELS WITH TXV:

YHE35B21S**TH4B3521S****RHP14L35B21S**

YHE35B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	198(11)	201(12)	204(13)	206(14)
60	216(11)	219(12)	225(14)	225(14)
65	235(12)	238(12)	246(15)	246(15)
70	253(11)	257(11)	267(15)	267(15)
75	271(11)	276(11)	288(15)	288(15)
80	294(11)	299(12)	309(14)	309(14)
85	318(12)	323(13)	331(14)	331(14)
90	342(12)	346(12)	352(13)	352(13)
95	366(12)	370(12)	373(12)	373(12)
100	396(14)	399(13)	402(13)	404(12)
105	425(14)	429(14)	432(14)	435(13)
110	455(14)	458(14)	462(14)	465(13)
115	485(14)	488(14)	492(14)	496(14)
120	515(14)	517(13)	522(14)	526(13)
125	545(13)	547(13)	552(14)	556(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.

YHE35B21S 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)	200	237	273	320	367	427	486	545
		LIQUID TEMPERATURE (°F)	57	68	78	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	12	12	11	12	12	13	13	13
		SUCTION PRESSURE (PSIG)	114	117	120	122	125	128	131	134
		SUCTION TEMPERATURE (°F)	56	56	56	58	61	65	69	73
		SUCTION SUPERHEAT (°F)	18	16	15	16	18	21	24	26
		OUTDOOR UNIT CURRENT (A)	7.6	8.4	9.2	10.4	11.6	13.4	15.1	16.9
		COMPRESSOR CURRENT (A)	6.4	7.3	8.1	9.3	10.5	12.3	14	15.8
	INDOOR COIL TEMP DROP (°F)	24	23	23	22	22	21	20	19	
	1200	LIQUID PRESSURE (PSIG)	201	237	273	297	321	396	471	547
		LIQUID TEMPERATURE (°F)	57	67	77	82	87	100	113	127
		LIQUID SUBCOOLING (°F)	12	13	12	12	13	15	15	14
		SUCTION PRESSURE (PSIG)	118	122	126	127	129	132	136	140
		SUCTION TEMPERATURE (°F)	58	57	56	57	58	63	68	73
		SUCTION SUPERHEAT (°F)	18	15	12	13	14	17	20	24
		OUTDOOR UNIT CURRENT (A)	7.6	8.4	9.2	9.8	10.4	12.5	14.7	16.8
		COMPRESSOR CURRENT (A)	6.4	7.3	8.1	8.7	9.3	11.4	13.6	15.7
	INDOOR COIL TEMP DROP (°F)	21	21	20	20	20	19	18	17	
	1400	LIQUID PRESSURE (PSIG)	202	237	272	272	272	364	455	546
		LIQUID TEMPERATURE (°F)	57	68	78	78	78	94	111	128
		LIQUID SUBCOOLING (°F)	12	12	11	11	11	14	15	12
		SUCTION PRESSURE (PSIG)	118	122	127	127	127	131	136	140
		SUCTION TEMPERATURE (°F)	62	60	57	57	57	63	69	74
		SUCTION SUPERHEAT (°F)	22	18	13	13	13	17	21	25
OUTDOOR UNIT CURRENT (A)		7.6	8.4	9.2	9.2	9.2	11.8	14.3	16.9	
COMPRESSOR CURRENT (A)		6.5	7.3	8.1	8.1	8.1	10.7	13.2	15.8	
INDOOR COIL TEMP DROP (°F)	19	19	19	19	19	18	17	16		

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YHE35B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1000	LIQUID PRESSURE (PSIG)	200	237	275	322	369	427	486	545
		LIQUID TEMPERATURE (°F)	57	68	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	11	12	11	12	12	13	13	12
		SUCTION PRESSURE (PSIG)	114	117	119	121	124	128	132	135
		SUCTION TEMPERATURE (°F)	56	56	56	59	63	66	70	74
		SUCTION SUPERHEAT (°F)	17	16	16	18	20	22	24	26
		OUTDOOR UNIT CURRENT (A)	7.6	8.4	9.3	10.5	11.6	13.4	15.1	16.9
		COMPRESSOR CURRENT (A)	6.5	7.3	8.2	9.4	10.5	12.3	14.1	15.8
	INDOOR COIL TEMP DROP (°F)	28	27	27	26	25	24	24	23	
	1200	LIQUID PRESSURE (PSIG)	201	238	276	323	370	429	488	547
		LIQUID TEMPERATURE (°F)	57	68	78	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	12	12	11	13	12	14	14	13
		SUCTION PRESSURE (PSIG)	119	122	126	128	130	135	139	144
		SUCTION TEMPERATURE (°F)	59	58	56	60	63	66	70	73
		SUCTION SUPERHEAT (°F)	19	16	13	15	17	19	21	23
		OUTDOOR UNIT CURRENT (A)	7.6	8.4	9.2	10.4	11.6	13.3	15.1	16.8
		COMPRESSOR CURRENT (A)	6.4	7.3	8.1	9.3	10.5	12.2	14	15.7
	INDOOR COIL TEMP DROP (°F)	24	24	24	23	22	21	21	20	
	1400	LIQUID PRESSURE (PSIG)	201	238	275	323	370	429	488	547
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	108	118	128
		LIQUID SUBCOOLING (°F)	12	12	11	12	11	13	13	12
		SUCTION PRESSURE (PSIG)	118	123	128	130	132	137	142	147
		SUCTION TEMPERATURE (°F)	64	61	58	61	65	68	72	75
		SUCTION SUPERHEAT (°F)	24	19	14	16	19	20	22	24
		OUTDOOR UNIT CURRENT (A)	7.6	8.4	9.3	10.5	11.6	13.4	15.1	16.8
		COMPRESSOR CURRENT (A)	6.5	7.3	8.2	9.3	10.5	12.3	14	15.8
	INDOOR COIL TEMP DROP (°F)	22	23	23	22	21	20	19	18	
	80/67	1000	LIQUID PRESSURE (PSIG)	203	245	287	329	371	431	490
LIQUID TEMPERATURE (°F)			57	68	78	89	99	109	118	128
LIQUID SUBCOOLING (°F)			12	14	14	13	12	13	13	13
SUCTION PRESSURE (PSIG)			119	123	127	132	136	139	142	146
SUCTION TEMPERATURE (°F)			65	65	65	65	64	68	72	76
SUCTION SUPERHEAT (°F)			25	23	21	19	17	20	22	25
OUTDOOR UNIT CURRENT (A)			7.6	8.6	9.6	10.6	11.6	13.4	15.2	16.9
COMPRESSOR CURRENT (A)			6.5	7.5	8.5	9.5	10.5	12.3	14.1	15.9
INDOOR COIL TEMP DROP (°F)		22	22	22	22	22	21	20	19	
1200		LIQUID PRESSURE (PSIG)	204	246	288	331	373	432	492	552
		LIQUID TEMPERATURE (°F)	57	67	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	13	15	15	14	12	14	14	14
		SUCTION PRESSURE (PSIG)	123	128	132	137	142	145	149	152
		SUCTION TEMPERATURE (°F)	67	66	66	65	65	68	72	76
		SUCTION SUPERHEAT (°F)	25	22	19	17	15	17	19	22
		OUTDOOR UNIT CURRENT (A)	7.6	8.6	9.6	10.6	11.6	13.3	15.1	16.8
		COMPRESSOR CURRENT (A)	6.5	7.5	8.5	9.5	10.5	12.3	14	15.8
INDOOR COIL TEMP DROP (°F)		19	19	19	19	19	19	18	17	
1400		LIQUID PRESSURE (PSIG)	205	247	288	330	372	432	491	551
		LIQUID TEMPERATURE (°F)	57	68	78	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	13	14	14	13	11	13	13	13
		SUCTION PRESSURE (PSIG)	122	127	132	137	142	145	148	152
		SUCTION TEMPERATURE (°F)	70	69	68	67	66	70	74	77
		SUCTION SUPERHEAT (°F)	28	25	22	19	16	19	21	24
		OUTDOOR UNIT CURRENT (A)	7.6	8.6	9.6	10.6	11.6	13.4	15.1	16.9
		COMPRESSOR CURRENT (A)	6.5	7.5	8.5	9.5	10.5	12.3	14.1	15.8
INDOOR COIL TEMP DROP (°F)		18	18	18	18	18	18	17	17	

Continued on next page.

YHE35B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1000	LIQUID PRESSURE (PSIG)	205	242	280	326	373	433	494	555
		LIQUID TEMPERATURE (°F)	57	68	79	89	99	109	119	129
		LIQUID SUBCOOLING (°F)	14	13	11	12	11	13	13	13
		SUCTION PRESSURE (PSIG)	120	131	141	145	149	153	156	159
		SUCTION TEMPERATURE (°F)	71	69	67	68	68	71	75	79
		SUCTION SUPERHEAT (°F)	30	24	18	16	15	17	20	22
		OUTDOOR UNIT CURRENT (A)	7.7	8.5	9.4	10.5	11.6	13.4	15.2	17
		COMPRESSOR CURRENT (A)	6.5	7.4	8.3	9.4	10.5	12.3	14.1	15.9
	INDOOR COIL TEMP DROP (°F)	17	18	18	18	17	16	16	15	
	1200	LIQUID PRESSURE (PSIG)	206	244	281	328	374	435	496	556
		LIQUID TEMPERATURE (°F)	57	68	78	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	14	14	12	13	12	13	14	13
		SUCTION PRESSURE (PSIG)	124	135	146	151	156	159	162	166
		SUCTION TEMPERATURE (°F)	71	70	69	68	68	72	75	78
		SUCTION SUPERHEAT (°F)	28	22	17	15	13	15	17	19
		OUTDOOR UNIT CURRENT (A)	7.7	8.5	9.4	10.5	11.6	13.4	15.1	16.9
		COMPRESSOR CURRENT (A)	6.5	7.4	8.2	9.4	10.5	12.3	14.1	15.8
	INDOOR COIL TEMP DROP (°F)	14	15	16	15	15	14	14	13	
	1400	LIQUID PRESSURE (PSIG)	207	244	282	328	374	434	495	555
		LIQUID TEMPERATURE (°F)	57	68	79	89	100	110	120	129
		LIQUID SUBCOOLING (°F)	14	14	12	12	11	12	13	12
		SUCTION PRESSURE (PSIG)	123	134	145	151	156	159	162	165
		SUCTION TEMPERATURE (°F)	73	72	72	71	70	74	77	80
		SUCTION SUPERHEAT (°F)	31	26	21	18	15	17	19	21
		OUTDOOR UNIT CURRENT (A)	7.7	8.6	9.4	10.5	11.6	13.4	15.2	17
		COMPRESSOR CURRENT (A)	6.6	7.4	8.3	9.4	10.5	12.3	14.1	15.9
	INDOOR COIL TEMP DROP (°F)	13	14	15	14	14	14	13	13	

YHE35B21S W/ NOMINAL COIL

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1000	LIQUID PRESSURE (PSIG)	353	331	319	301	280	271
		LIQUID TEMPERATURE (°F)	84	76	71	64	60	58
		LIQUID SUBCOOLING (°F)	24	27	29	32	31	31
		SUCTION PRESSURE (PSIG)	123	100	88	71	57	48
		SUCTION TEMPERATURE (°F)	57	45	38	28	19	13
		SUCTION SUPERHEAT (°F)	15	14	13	12	13	13
		OUTDOOR UNIT CURRENT (A)	11.0	11.0	11.0	10.0	10.0	11.0
		COMPRESSOR CURRENT (A)	10.0	10.0	9.0	9.0	9.0	9.0
	INDOOR COIL TEMP RISE (°F)	36	31	28	24	20	18	
	1200	LIQUID PRESSURE (PSIG)	331	311	302	287	268	258
		LIQUID TEMPERATURE (°F)	81	73	69	63	58	57
		LIQUID SUBCOOLING (°F)	22	26	28	30	31	29
		SUCTION PRESSURE (PSIG)	122	100	88	72	56	47
		SUCTION TEMPERATURE (°F)	57	45	38	29	18	12
		SUCTION SUPERHEAT (°F)	15	14	13	13	12	13
		OUTDOOR UNIT CURRENT (A)	11.0	10.0	10.0	10.0	10.0	10.0
		COMPRESSOR CURRENT (A)	10.0	9.0	9.0	9.0	8.0	9.0
	INDOOR COIL TEMP RISE (°F)	31	27	24	21	17	15	
	1400	LIQUID PRESSURE (PSIG)	309	292	285	272	255	246
		LIQUID TEMPERATURE (°F)	77	71	67	62	57	56
		LIQUID SUBCOOLING (°F)	21	23	26	28	28	27
		SUCTION PRESSURE (PSIG)	121	99	87	73	55	45
		SUCTION TEMPERATURE (°F)	57	45	38	29	17	10
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	13
OUTDOOR UNIT CURRENT (A)		10.0	10.0	10.0	10.0	9.0	10.0	
COMPRESSOR CURRENT (A)		9.0	9.0	9.0	8.0	8.0	9.0	
INDOOR COIL TEMP RISE (°F)	26	23	20	18	14	12		
70	1000	LIQUID PRESSURE (PSIG)	401	378	368	349	325	316
		LIQUID TEMPERATURE (°F)	93	84	79	72	69	67
		LIQUID SUBCOOLING (°F)	24	29	32	35	33	33
		SUCTION PRESSURE (PSIG)	125	101	89	72	58	49
		SUCTION TEMPERATURE (°F)	57	45	39	29	19	13
		SUCTION SUPERHEAT (°F)	14	13	13	13	12	13
		OUTDOOR UNIT CURRENT (A)	13.0	12.0	12.0	12.0	11.0	12.0
		COMPRESSOR CURRENT (A)	12.0	11.0	11.0	10.0	10.0	11.0
	INDOOR COIL TEMP RISE (°F)	35	30	27	23	20	18	
	1200	LIQUID PRESSURE (PSIG)	376	357	350	332	312	303
		LIQUID TEMPERATURE (°F)	90	82	77	71	67	66
		LIQUID SUBCOOLING (°F)	22	26	30	32	32	31
		SUCTION PRESSURE (PSIG)	123	101	88	72	57	48
		SUCTION TEMPERATURE (°F)	56	45	38	29	19	12
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	12.0	12.0	12.0	11.0	11.0	12.0
		COMPRESSOR CURRENT (A)	11.0	10.0	10.0	10.0	9.0	10.0
	INDOOR COIL TEMP RISE (°F)	30	26	24	20	17	15	
	1400	LIQUID PRESSURE (PSIG)	351	336	332	315	299	290
		LIQUID TEMPERATURE (°F)	87	79	75	70	65	65
		LIQUID SUBCOOLING (°F)	20	25	28	30	31	29
		SUCTION PRESSURE (PSIG)	122	100	88	71	56	47
		SUCTION TEMPERATURE (°F)	55	45	38	28	18	12
		SUCTION SUPERHEAT (°F)	13	14	13	12	12	13
OUTDOOR UNIT CURRENT (A)		11.0	10.0	11.0	11.0	10.0	11.0	
COMPRESSOR CURRENT (A)		10.0	11.0	10.0	9.0	9.0	10.0	
INDOOR COIL TEMP RISE (°F)	25	22	20	17	14	12		

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YHE35B21S W/ NOMINAL COIL (Continued)

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
80	1000	LIQUID PRESSURE (PSIG)	449	424	417	397	370	362
		LIQUID TEMPERATURE (°F)	101	92	86	81	77	75
		LIQUID SUBCOOLING (°F)	25	29	34	35	34	34
		SUCTION PRESSURE (PSIG)	126	102	89	73	58	50
		SUCTION TEMPERATURE (°F)	57	45	39	30	20	14
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	14.0	13.0	13.0	13.0	12.0	13.0
		COMPRESSOR CURRENT (A)	13.0	12.0	12.0	12.0	11.0	12.0
	INDOOR COIL TEMP RISE (°F)	34	29	27	23	19	17	
	1200	LIQUID PRESSURE (PSIG)	421	403	398	377	356	348
		LIQUID TEMPERATURE (°F)	99	90	85	79	76	74
		LIQUID SUBCOOLING (°F)	22	27	31	33	32	33
		SUCTION PRESSURE (PSIG)	124	101	88	71	57	49
		SUCTION TEMPERATURE (°F)	54	45	39	28	19	13
		SUCTION SUPERHEAT (°F)	12	13	14	12	13	13
		OUTDOOR UNIT CURRENT (A)	13.0	13.0	13.0	12.0	12.0	13.0
		COMPRESSOR CURRENT (A)	12.0	12.0	12.0	11.0	11.0	12.0
	INDOOR COIL TEMP RISE (°F)	29	25	23	19	16	15	
	1400	LIQUID PRESSURE (PSIG)	393	381	379	357	342	335
		LIQUID TEMPERATURE (°F)	97	87	83	78	74	73
		LIQUID SUBCOOLING (°F)	19	26	30	30	31	31
		SUCTION PRESSURE (PSIG)	123	101	88	70	57	48
		SUCTION TEMPERATURE (°F)	52	45	38	27	19	13
		SUCTION SUPERHEAT (°F)	10	13	13	12	13	13
OUTDOOR UNIT CURRENT (A)		13.0	12.0	12.0	12.0	12.0	13.0	
COMPRESSOR CURRENT (A)		11.0	11.0	11.0	11.0	10.0	11.0	
INDOOR COIL TEMP RISE (°F)	24	21	20	16	14	12		

FOR USE WITH MODELS WITH TXV:

YHE36B21H

TH4B3621H

RHP14L36B21S

QH4B36B21S

YHE36B21H 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(6)	192(7)	192(7)	192(7)
60	207(6)	210(7)	210(7)	210(7)
65	226(7)	228(7)	228(7)	228(7)
70	244(7)	246(7)	246(7)	246(7)
75	262(7)	264(7)	264(7)	264(7)
80	284(7)	285(7)	285(7)	285(7)
85	306(8)	307(8)	307(8)	307(8)
90	327(8)	328(8)	328(8)	328(8)
95	349(8)	350(8)	350(8)	350(8)
100	376(8)	376(8)	376(8)	376(8)
105	403(9)	403(9)	403(9)	403(9)
110	429(9)	429(9)	429(9)	429(9)
115	455(9)	455(9)	455(9)	455(9)
120	481(9)	481(9)	481(9)	482(9)
125	508(9)	508(9)	508(9)	509(9)

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

Charging chart is for use in Cooling mode only.

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

YHE36B21H 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)	181	215	249	290	330	382	434	485
		LIQUID TEMPERATURE (°F)	62	72	82	92	102	111	121	130
		LIQUID SUBCOOLING (°F)	6	7	7	8	7	9	9	9
		SUCTION PRESSURE (PSIG)	99	107	115	120	126	130	134	138
		SUCTION TEMPERATURE (°F)	67	68	68	69	70	74	78	82
		SUCTION SUPERHEAT (°F)	36	33	30	28	27	29	31	33
		OUTDOOR UNIT CURRENT (A)	7.2	8	8.8	9.7	10.6	11.6	12.5	13.5
		COMPRESSOR CURRENT (A)	6.0	6.8	7.7	8.6	9.5	10.4	11.4	12.4
	INDOOR COIL TEMP DROP (°F)	20	21	21	21	20	19	18	17	
	1200	LIQUID PRESSURE (PSIG)	189	225	262	304	347	401	455	509
		LIQUID TEMPERATURE (°F)	59	69	79	89	98	107	116	126
		LIQUID SUBCOOLING (°F)	6	7	7	8	7	9	9	9
		SUCTION PRESSURE (PSIG)	108	119	130	136	143	148	153	158
		SUCTION TEMPERATURE (°F)	58	59	60	61	62	65	68	71
		SUCTION SUPERHEAT (°F)	23	19	15	13	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	7.5	8.4	9.2	10.2	11.1	12.1	13.1	14.1
		COMPRESSOR CURRENT (A)	6.3	7.2	8.1	9.0	10.0	11.0	12.0	13.0
	INDOOR COIL TEMP DROP (°F)	20	21	22	22	21	20	19	18	
	1400	LIQUID PRESSURE (PSIG)	180	215	250	291	332	384	435	487
		LIQUID TEMPERATURE (°F)	61	72	82	92	102	111	121	130
		LIQUID SUBCOOLING (°F)	6	7	7	8	7	9	9	9
		SUCTION PRESSURE (PSIG)	94	106	118	124	129	134	139	144
		SUCTION TEMPERATURE (°F)	69	71	73	74	75	78	81	84
		SUCTION SUPERHEAT (°F)	40	36	33	31	31	31	32	33
OUTDOOR UNIT CURRENT (A)		7.2	8.1	8.9	9.8	10.8	11.7	12.7	13.7	
COMPRESSOR CURRENT (A)		6.0	6.9	7.7	8.7	9.6	10.6	11.6	12.6	
INDOOR COIL TEMP DROP (°F)	13	15	16	16	16	15	15	14		

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YHE36B21H W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1000	LIQUID PRESSURE (PSIG)	183	217	252	293	334	383	432	481
		LIQUID TEMPERATURE (°F)	62	72	83	92	102	111	120	130
		LIQUID SUBCOOLING (°F)	7	7	7	8	8	9	9	9
		SUCTION PRESSURE (PSIG)	103	110	118	123	128	130	133	136
		SUCTION TEMPERATURE (°F)	68	68	68	69	70	77	83	90
		SUCTION SUPERHEAT (°F)	35	31	28	26	25	31	37	43
		OUTDOOR UNIT CURRENT (A)	7.2	8.1	9	9.9	10.8	11.7	12.6	13.4
		COMPRESSOR CURRENT (A)	6.0	6.9	7.8	8.7	9.7	10.6	11.5	12.3
	INDOOR COIL TEMP DROP (°F)	24	25	25	25	24	22	20	17	
	1200	LIQUID PRESSURE (PSIG)	192	228	264	307	350	403	455	508
		LIQUID TEMPERATURE (°F)	60	70	80	89	99	107	116	125
		LIQUID SUBCOOLING (°F)	7	7	7	8	8	9	9	9
		SUCTION PRESSURE (PSIG)	117	125	134	140	145	150	155	159
		SUCTION TEMPERATURE (°F)	60	60	60	61	62	67	71	75
		SUCTION SUPERHEAT (°F)	20	17	14	12	11	14	16	19
		OUTDOOR UNIT CURRENT (A)	7.5	8.4	9.3	10.3	11.3	12.3	13.2	14.2
		COMPRESSOR CURRENT (A)	6.3	7.2	8.2	9.2	10.2	11.2	12.1	13.1
	INDOOR COIL TEMP DROP (°F)	25	26	27	27	26	24	22	20	
	1400	LIQUID PRESSURE (PSIG)	183	218	252	294	335	386	437	488
		LIQUID TEMPERATURE (°F)	62	72	83	93	102	112	121	131
		LIQUID SUBCOOLING (°F)	7	7	7	8	8	9	9	9
		SUCTION PRESSURE (PSIG)	106	114	122	127	132	138	143	149
		SUCTION TEMPERATURE (°F)	72	73	74	75	76	79	83	87
		SUCTION SUPERHEAT (°F)	37	34	32	31	30	31	33	34
		OUTDOOR UNIT CURRENT (A)	7.2	8.1	9	9.9	10.9	11.9	12.9	13.9
		COMPRESSOR CURRENT (A)	6.0	6.9	7.8	8.8	9.7	10.7	11.7	12.8
	INDOOR COIL TEMP DROP (°F)	19	19	20	20	20	18	17	16	
	80/67	1000	LIQUID PRESSURE (PSIG)	181	216	250	291	332	383	434
LIQUID TEMPERATURE (°F)			62	72	82	92	102	111	121	130
LIQUID SUBCOOLING (°F)			6	7	7	8	8	9	9	9
SUCTION PRESSURE (PSIG)			99	107	114	120	126	131	137	142
SUCTION TEMPERATURE (°F)			72	74	77	79	81	85	88	91
SUCTION SUPERHEAT (°F)			41	39	38	38	38	39	40	41
OUTDOOR UNIT CURRENT (A)			7.2	8	8.9	9.8	10.7	11.8	12.8	13.9
COMPRESSOR CURRENT (A)			6.0	6.9	7.7	8.7	9.6	10.6	11.7	12.7
INDOOR COIL TEMP DROP (°F)		18	18	18	18	17	16	15	15	
1200		LIQUID PRESSURE (PSIG)	190	226	262	305	348	401	455	508
		LIQUID TEMPERATURE (°F)	60	69	79	89	98	107	116	126
		LIQUID SUBCOOLING (°F)	6	7	7	8	8	9	9	9
		SUCTION PRESSURE (PSIG)	112	120	129	135	142	148	154	160
		SUCTION TEMPERATURE (°F)	62	64	66	68	70	73	76	78
		SUCTION SUPERHEAT (°F)	25	23	21	21	21	21	21	21
		OUTDOOR UNIT CURRENT (A)	7.5	8.4	9.3	10.2	11.2	12.3	13.4	14.5
		COMPRESSOR CURRENT (A)	6.3	7.2	8.1	9.1	10.1	11.1	12.2	13.3
INDOOR COIL TEMP DROP (°F)		19	19	19	19	18	17	16	16	
1400		LIQUID PRESSURE (PSIG)	182	216	250	291	332	383	434	485
		LIQUID TEMPERATURE (°F)	62	72	82	92	102	111	121	130
		LIQUID SUBCOOLING (°F)	6	7	7	8	8	9	9	9
		SUCTION PRESSURE (PSIG)	101	108	116	122	128	133	138	144
		SUCTION TEMPERATURE (°F)	73	76	78	81	84	86	89	92
		SUCTION SUPERHEAT (°F)	41	40	39	39	39	40	41	42
		OUTDOOR UNIT CURRENT (A)	7.2	8	8.9	9.8	10.7	11.8	12.8	13.9
		COMPRESSOR CURRENT (A)	6.0	6.8	7.7	8.7	9.6	10.6	11.7	12.7
INDOOR COIL TEMP DROP (°F)		14	14	14	14	13	13	12	11	

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YHE36B21H W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1000	LIQUID PRESSURE (PSIG)	180	214	248	289	330	382	434	485
		LIQUID TEMPERATURE (°F)	62	72	82	92	101	111	121	130
		LIQUID SUBCOOLING (°F)	6	7	7	8	7	9	9	9
		SUCTION PRESSURE (PSIG)	94	103	113	119	125	132	138	144
		SUCTION TEMPERATURE (°F)	73	76	79	81	84	87	90	93
		SUCTION SUPERHEAT (°F)	44	42	41	41	41	41	41	42
		OUTDOOR UNIT CURRENT (A)	7.2	8.1	8.9	9.9	10.9	11.9	12.9	13.9
		COMPRESSOR CURRENT (A)	6.0	6.9	7.7	8.7	9.7	10.7	11.8	12.8
		INDOOR COIL TEMP DROP (°F)	13	14	14	13	13	12	11	10
	1200	LIQUID PRESSURE (PSIG)	189	225	261	303	346	400	455	509
		LIQUID TEMPERATURE (°F)	59	69	79	88	98	107	116	126
		LIQUID SUBCOOLING (°F)	6	7	7	8	7	9	9	9
		SUCTION PRESSURE (PSIG)	106	116	127	134	141	148	155	162
		SUCTION TEMPERATURE (°F)	62	65	67	70	72	74	77	79
		SUCTION SUPERHEAT (°F)	28	26	24	23	23	22	22	22
		OUTDOOR UNIT CURRENT (A)	7.6	8.4	9.3	10.3	11.3	12.3	13.4	14.5
		COMPRESSOR CURRENT (A)	6.4	7.2	8.1	9.1	10.1	11.2	12.3	13.4
		INDOOR COIL TEMP DROP (°F)	14	14	14	14	13	13	12	11
	1400	LIQUID PRESSURE (PSIG)	180	215	249	290	331	382	434	486
		LIQUID TEMPERATURE (°F)	61	72	82	92	102	111	121	130
		LIQUID SUBCOOLING (°F)	6	7	7	8	7	9	9	9
		SUCTION PRESSURE (PSIG)	95	105	114	120	127	133	139	145
		SUCTION TEMPERATURE (°F)	73	76	79	82	85	88	91	93
		SUCTION SUPERHEAT (°F)	44	42	41	41	41	41	42	42
		OUTDOOR UNIT CURRENT (A)	7.3	8.1	8.9	9.9	10.8	11.8	12.9	13.9
		COMPRESSOR CURRENT (A)	6.1	6.9	7.8	8.7	9.7	10.7	11.7	12.8
		INDOOR COIL TEMP DROP (°F)	10	10	10	10	10	9	9	8

YHE36B21H W/ NOMINAL COIL

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1000	LIQUID PRESSURE (PSIG)	391	360	344	320	291	262
		LIQUID TEMPERATURE (°F)	72	62	57	50	42	37
		LIQUID SUBCOOLING (°F)	43	47	49	51	52	50
		SUCTION PRESSURE (PSIG)	121	103	93	77	59	49
		SUCTION TEMPERATURE (°F)	59	46	39	30	17	9
		SUCTION SUPERHEAT (°F)	18	13	11	11	9	9
		OUTDOOR UNIT CURRENT (A)	1.0	1.0	1.0	9.0	8.0	8.0
		COMPRESSOR CURRENT (A)	0.6	0.6	0.1	0.4	0.5	0.8
		INDOOR COIL TEMP RISE (°F)	37	30	27	27	17	15
	1200	LIQUID PRESSURE (PSIG)	366	339	325	303	281	257
		LIQUID TEMPERATURE (°F)	70	61	56	49	42	37
		LIQUID SUBCOOLING (°F)	40	44	46	48	50	49
		SUCTION PRESSURE (PSIG)	117	102	92	76	59	50
		SUCTION TEMPERATURE (°F)	59	46	39	30	17	10
		SUCTION SUPERHEAT (°F)	20	14	12	11	9	9
		OUTDOOR UNIT CURRENT (A)	1.0	1.0	1.0	9.0	8.0	8.0
		COMPRESSOR CURRENT (A)	0.1	0.2	0.8	0.2	0.4	0.8
		INDOOR COIL TEMP RISE (°F)	32	26	24	24	15	13
	1400	LIQUID PRESSURE (PSIG)	341	317	306	287	272	252
		LIQUID TEMPERATURE (°F)	68	60	55	49	42	38
		LIQUID SUBCOOLING (°F)	37	40	43	44	48	46
		SUCTION PRESSURE (PSIG)	114	101	91	75	57	50
		SUCTION TEMPERATURE (°F)	59	46	39	30	18	12
		SUCTION SUPERHEAT (°F)	21	14	12	12	12	11
OUTDOOR UNIT CURRENT (A)		1.0	1.0	9.0	9.0	8.0	8.0	
COMPRESSOR CURRENT (A)		0.7	0.9	0.5	8.0	0.2	0.8	
INDOOR COIL TEMP RISE (°F)		28	22	20	20	13	11	
70	1000	LIQUID PRESSURE (PSIG)	437	409	386	364	330	302
		LIQUID TEMPERATURE (°F)	77	67	62	55	47	42
		LIQUID SUBCOOLING (°F)	47	52	52	55	56	55
		SUCTION PRESSURE (PSIG)	124	106	94	79	61	51
		SUCTION TEMPERATURE (°F)	59	47	40	31	18	10
		SUCTION SUPERHEAT (°F)	17	13	12	11	9	8
		OUTDOOR UNIT CURRENT (A)	1.0	1.0	1.0	1.0	8.0	8.0
		COMPRESSOR CURRENT (A)	0.3	0.2	0.6	0.8	0.7	7.0
		INDOOR COIL TEMP RISE (°F)	35	29	26	26	16	14
	1200	LIQUID PRESSURE (PSIG)	411	387	369	348	319	293
		LIQUID TEMPERATURE (°F)	75	66	61	55	47	42
		LIQUID SUBCOOLING (°F)	44	48	50	52	53	53
		SUCTION PRESSURE (PSIG)	121	104	94	78	60	51
		SUCTION TEMPERATURE (°F)	59	46	40	31	18	10
		SUCTION SUPERHEAT (°F)	18	13	12	11	10	8
		OUTDOOR UNIT CURRENT (A)	1.0	1.0	1.0	9.0	8.0	8.0
		COMPRESSOR CURRENT (A)	0.8	0.9	0.4	0.6	0.6	0.9
		INDOOR COIL TEMP RISE (°F)	30	25	22	22	14	12
	1400	LIQUID PRESSURE (PSIG)	385	365	351	332	308	284
		LIQUID TEMPERATURE (°F)	74	65	61	54	47	43
		LIQUID SUBCOOLING (°F)	40	45	46	49	51	49
		SUCTION PRESSURE (PSIG)	118	103	93	77	60	52
		SUCTION TEMPERATURE (°F)	59	46	39	31	19	10
		SUCTION SUPERHEAT (°F)	19	13	11	12	11	7
OUTDOOR UNIT CURRENT (A)		1.0	1.0	1.0	9.0	8.0	8.0	
COMPRESSOR CURRENT (A)		0.4	0.6	0.2	0.5	0.5	0.8	
INDOOR COIL TEMP RISE (°F)		26	21	19	19	12	10	

Continued on next page.

YHE36B21H W/ NOMINAL COIL (Continued)

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
80	1000	LIQUID PRESSURE (PSIG)	483	458	428	409	369	342
		LIQUID TEMPERATURE (°F)	82	72	67	60	52	47
		LIQUID SUBCOOLING (°F)	49	55	55	59	59	58
		SUCTION PRESSURE (PSIG)	127	108	96	80	63	53
		SUCTION TEMPERATURE (°F)	59	47	40	31	19	12
		SUCTION SUPERHEAT (°F)	15	12	11	10	9	9
		OUTDOOR UNIT CURRENT (A)	1.0	1.0	1.0	1.0	9.0	8.0
		COMPRESSOR CURRENT (A)	12.0	0.9	0.1	0.1	0.8	0.2
	INDOOR COIL TEMP RISE (°F)	33	27	24	24	15	13	
	1200	LIQUID PRESSURE (PSIG)	456	435	412	393	357	329
		LIQUID TEMPERATURE (°F)	80	71	66	60	52	48
		LIQUID SUBCOOLING (°F)	47	52	53	56	56	55
		SUCTION PRESSURE (PSIG)	125	107	95	80	62	53
		SUCTION TEMPERATURE (°F)	59	47	40	31	19	10
		SUCTION SUPERHEAT (°F)	16	12	11	10	9	7
		OUTDOOR UNIT CURRENT (A)	1.0	1.0	1.0	1.0	9.0	8.0
		COMPRESSOR CURRENT (A)	0.6	0.6	10.0	9.0	0.8	0.1
	INDOOR COIL TEMP RISE (°F)	29	24	21	21	13	11	
	1400	LIQUID PRESSURE (PSIG)	429	412	395	377	345	317
		LIQUID TEMPERATURE (°F)	79	70	66	60	52	48
		LIQUID SUBCOOLING (°F)	43	49	50	52	54	52
		SUCTION PRESSURE (PSIG)	123	106	95	80	62	53
		SUCTION TEMPERATURE (°F)	59	47	40	32	20	8
		SUCTION SUPERHEAT (°F)	17	13	11	11	10	5
OUTDOOR UNIT CURRENT (A)		1.0	1.0	1.0	1.0	9.0	8.0	
COMPRESSOR CURRENT (A)		0.2	0.4	0.8	0.9	0.7	0.9	
INDOOR COIL TEMP RISE (°F)	25	20	18	18	11	9		

FOR USE WITH MODELS WITH TXV:

YHE42B21H

TH4B4221H

RHP14L42B21S

QH4B42B21S

YHE42B21H SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	195(10)	198(11)	199(12)	199(12)
60	212(10)	215(11)	217(12)	218(12)
65	229(11)	233(11)	235(12)	237(13)
70	246(10)	251(11)	253(11)	255(12)
75	264(10)	269(11)	272(11)	274(12)
80	285(10)	290(11)	293(11)	296(12)
85	307(10)	312(11)	315(11)	318(12)
90	328(10)	333(10)	336(11)	339(11)
95	350(10)	354(10)	358(11)	361(11)
100	377(10)	380(10)	384(11)	387(11)
105	404(11)	407(11)	411(11)	414(11)
110	431(10)	433(10)	437(11)	440(11)
115	458(10)	459(10)	463(11)	467(11)
120	485(9)	485(9)	489(10)	493(10)
125	512(9)	512(9)	516(10)	520(10)

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

Charging chart is for use in Cooling mode only.

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

YHE42B21H 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	1100	LIQUID PRESSURE (PSIG)	197	233	268	311	353	406	458	511
		LIQUID TEMPERATURE (°F)	58	68	78	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	10	11	10	10	9	10	9	8
		SUCTION PRESSURE (PSIG)	99	105	112	116	120	125	131	136
		SUCTION TEMPERATURE (°F)	62	61	59	62	65	69	74	78
		SUCTION SUPERHEAT (°F)	31	26	22	23	24	26	28	30
		OUTDOOR UNIT CURRENT (A)	9.8	10.9	12	13	14	15	16	17
		COMPRESSOR CURRENT (A)	8.6	9.7	10.8	11.8	12.9	13.9	14.8	15.8
	INDOOR COIL TEMP DROP (°F)	25	25	24	23	22	21	20	19	
	1200	LIQUID PRESSURE (PSIG)	197	233	268	310	353	405	458	510
		LIQUID TEMPERATURE (°F)	57	67	77	87	96	106	116	125
		LIQUID SUBCOOLING (°F)	11	11	11	11	10	11	10	9
		SUCTION PRESSURE (PSIG)	106	114	122	126	130	136	141	147
		SUCTION TEMPERATURE (°F)	57	55	53	56	59	62	66	69
		SUCTION SUPERHEAT (°F)	22	17	11	12	13	15	16	17
		OUTDOOR UNIT CURRENT (A)	9.9	11	12.1	13.1	14.1	15.1	16.1	17.1
		COMPRESSOR CURRENT (A)	8.7	9.8	10.9	11.9	13.0	14.0	15.0	16.0
	INDOOR COIL TEMP DROP (°F)	22	22	22	21	21	20	19	18	
	1300	LIQUID PRESSURE (PSIG)	198	234	269	312	355	407	460	513
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	11	11	10	10	9	10	9	8
		SUCTION PRESSURE (PSIG)	100	108	116	119	123	128	134	139
		SUCTION TEMPERATURE (°F)	66	64	61	64	67	70	74	78
		SUCTION SUPERHEAT (°F)	35	28	22	23	24	26	28	29
OUTDOOR UNIT CURRENT (A)		9.9	11	12.1	13.1	14.1	15.2	16.2	17.2	
COMPRESSOR CURRENT (A)		8.7	9.8	10.9	11.9	13.0	14.0	15.0	16.1	
INDOOR COIL TEMP DROP (°F)	21	22	22	22	21	20	19	18		

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YHE42B21H W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1100	LIQUID PRESSURE (PSIG)	198	234	269	312	355	407	460	512
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	10	11	10	10	9	10	9	8
		SUCTION PRESSURE (PSIG)	99	106	113	117	120	126	131	137
		SUCTION TEMPERATURE (°F)	65	62	60	63	67	71	74	78
		SUCTION SUPERHEAT (°F)	33	28	22	24	26	27	29	30
		OUTDOOR UNIT CURRENT (A)	9.8	10.9	12	13	14	15	16	17
		COMPRESSOR CURRENT (A)	8.6	9.7	10.8	11.8	12.9	13.9	14.9	15.9
	INDOOR COIL TEMP DROP (°F)	28	28	28	27	26	25	24	23	
	1200	LIQUID PRESSURE (PSIG)	198	233	269	312	354	407	459	512
		LIQUID TEMPERATURE (°F)	57	67	77	87	97	106	116	126
		LIQUID SUBCOOLING (°F)	11	11	11	11	10	11	10	9
		SUCTION PRESSURE (PSIG)	107	115	123	127	130	137	143	149
		SUCTION TEMPERATURE (°F)	59	57	54	57	60	63	67	70
		SUCTION SUPERHEAT (°F)	24	18	12	13	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	9.8	10.9	12.1	13.1	14.1	15.2	16.2	17.2
		COMPRESSOR CURRENT (A)	8.6	9.7	10.9	11.9	13	14	15.1	16.1
	INDOOR COIL TEMP DROP (°F)	25	26	26	25	24	23	22	21	
	1300	LIQUID PRESSURE (PSIG)	199	235	270	313	356	409	462	514
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	11	11	10	10	9	10	9	8
		SUCTION PRESSURE (PSIG)	101	109	116	120	123	129	135	141
		SUCTION TEMPERATURE (°F)	69	65	61	65	68	72	75	79
		SUCTION SUPERHEAT (°F)	37	29	22	24	25	27	28	30
		OUTDOOR UNIT CURRENT (A)	9.7	10.9	12.1	13.1	14.2	15.2	16.3	17.4
		COMPRESSOR CURRENT (A)	8.5	9.7	10.9	12	13	14.1	15.2	16.2
	INDOOR COIL TEMP DROP (°F)	25	25	26	25	24	23	22	21	
	80/67	1100	LIQUID PRESSURE (PSIG)	199	236	272	316	359	412	465
LIQUID TEMPERATURE (°F)			58	68	79	88	98	108	118	127
LIQUID SUBCOOLING (°F)			11	11	10	10	10	10	10	8
SUCTION PRESSURE (PSIG)			101	111	121	125	130	136	142	147
SUCTION TEMPERATURE (°F)			70	69	67	68	69	73	76	80
SUCTION SUPERHEAT (°F)			38	32	26	25	24	25	26	28
OUTDOOR UNIT CURRENT (A)			9.8	11	12.2	13.3	14.4	15.5	16.6	17.8
COMPRESSOR CURRENT (A)			8.6	9.8	11	12.2	13.3	14.4	15.5	16.6
INDOOR COIL TEMP DROP (°F)		23	23	24	23	22	21	20	19	
1200		LIQUID PRESSURE (PSIG)	199	235	272	315	358	411	463	516
		LIQUID TEMPERATURE (°F)	57	67	78	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	12	12	11	11	11	11	11	10
		SUCTION PRESSURE (PSIG)	109	120	130	136	141	147	153	159
		SUCTION TEMPERATURE (°F)	63	62	61	61	62	65	68	71
		SUCTION SUPERHEAT (°F)	27	21	16	14	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	9.9	11.1	12.2	13.4	14.5	15.7	16.8	17.9
		COMPRESSOR CURRENT (A)	8.7	9.9	11.1	12.2	13.4	14.5	15.6	16.8
INDOOR COIL TEMP DROP (°F)		20	21	22	21	20	20	19	18	
1300		LIQUID PRESSURE (PSIG)	200	237	273	317	360	413	465	518
		LIQUID TEMPERATURE (°F)	58	68	78	89	99	108	118	128
		LIQUID SUBCOOLING (°F)	11	11	10	10	10	10	9	8
		SUCTION PRESSURE (PSIG)	102	112	123	128	134	139	144	150
		SUCTION TEMPERATURE (°F)	72	71	70	70	70	73	77	80
		SUCTION SUPERHEAT (°F)	39	34	28	26	23	24	26	27
		OUTDOOR UNIT CURRENT (A)	9.8	11	12.2	13.4	14.6	15.7	16.8	17.9
		COMPRESSOR CURRENT (A)	8.6	9.8	11	12.2	13.4	14.6	15.7	16.8
INDOOR COIL TEMP DROP (°F)		20	21	21	21	20	20	19	18	

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YHE42B21H W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1100	LIQUID PRESSURE (PSIG)	199	237	274	318	362	415	468	521
		LIQUID TEMPERATURE (°F)	57	68	78	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	12	12	11	11	9	10	9	8
		SUCTION PRESSURE (PSIG)	102	113	124	132	141	146	152	158
		SUCTION TEMPERATURE (°F)	73	74	75	74	72	76	79	83
		SUCTION SUPERHEAT (°F)	40	36	32	27	23	24	25	27
		OUTDOOR UNIT CURRENT (A)	9.8	10.9	12.1	13.4	14.7	15.9	17.2	18.4
		COMPRESSOR CURRENT (A)	8.6	9.7	10.9	12.2	13.6	14.8	16	17.3
	INDOOR COIL TEMP DROP (°F)	18	18	19	18	18	17	16	15	
	1200	LIQUID PRESSURE (PSIG)	199	237	274	318	361	414	467	520
		LIQUID TEMPERATURE (°F)	56	67	77	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	12	13	12	12	11	11	11	10
		SUCTION PRESSURE (PSIG)	109	121	133	143	152	158	164	170
		SUCTION TEMPERATURE (°F)	65	66	67	66	66	68	71	74
		SUCTION SUPERHEAT (°F)	29	25	20	16	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	9.8	11	12.1	13.5	14.8	16	17.3	18.5
		COMPRESSOR CURRENT (A)	8.6	9.8	11	12.3	13.6	14.9	16.2	17.4
	INDOOR COIL TEMP DROP (°F)	16	16	17	17	17	16	15	14	
	1300	LIQUID PRESSURE (PSIG)	200	238	275	319	364	417	470	523
		LIQUID TEMPERATURE (°F)	57	68	78	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	12	12	11	11	10	10	9	8
		SUCTION PRESSURE (PSIG)	102	114	125	135	144	150	155	161
		SUCTION TEMPERATURE (°F)	74	75	76	76	76	78	81	84
		SUCTION SUPERHEAT (°F)	41	37	33	29	25	25	26	27
OUTDOOR UNIT CURRENT (A)		9.8	11	12.1	13.4	14.7	16	17.3	18.6	
COMPRESSOR CURRENT (A)		8.6	9.8	10.9	12.3	13.6	14.9	16.2	17.5	
INDOOR COIL TEMP DROP (°F)	15	16	17	16	16	15	14	14		

YHE42B21H W/ NOMINAL COIL

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1100	LIQUID PRESSURE (PSIG)	385	357	336	299	247	266
		LIQUID TEMPERATURE (°F)	77	69	67	57	52	50
		LIQUID SUBCOOLING (°F)	37	39	37	39	32	38
		SUCTION PRESSURE (PSIG)	127	102	90	77	64	58
		SUCTION TEMPERATURE (°F)	57	44	36	15	13	10
		SUCTION SUPERHEAT (°F)	13	12	10	12	5	3
		OUTDOOR UNIT CURRENT (A)	16.0	15.0	15.0	10.2	9.5	9.5
		COMPRESSOR CURRENT (A)	15.0	14.0	13.0	9.6	8.1	8.1
	INDOOR COIL TEMP RISE (°F)	38	32	29	25	18	19	
	1200	LIQUID PRESSURE (PSIG)	367	341	325	287	254	257
		LIQUID TEMPERATURE (°F)	74	67	65	56	51	50
		LIQUID SUBCOOLING (°F)	36	38	37	38	34	37
		SUCTION PRESSURE (PSIG)	126	102	91	77	55	51
		SUCTION TEMPERATURE (°F)	57	44	37	15	5	3
		SUCTION SUPERHEAT (°F)	14	12	10	13	7	8
		OUTDOOR UNIT CURRENT (A)	16.0	15.0	14.0	10.2	9.5	9.5
		COMPRESSOR CURRENT (A)	14.0	13.0	13.0	8.9	8.1	8.1
	INDOOR COIL TEMP RISE (°F)	34	29	26	23	17	16	
	1400	LIQUID PRESSURE (PSIG)	349	325	313	275	261	247
		LIQUID TEMPERATURE (°F)	72	66	64	55	50	49
		LIQUID SUBCOOLING (°F)	35	36	35	36	37	36
		SUCTION PRESSURE (PSIG)	126	103	92	77	60	49
		SUCTION TEMPERATURE (°F)	58	44	38	16	9	4
		SUCTION SUPERHEAT (°F)	15	11	11	15	12	12
OUTDOOR UNIT CURRENT (A)		15.0	14.0	14.0	9.5	9.5	8.8	
COMPRESSOR CURRENT (A)		13.0	13.0	12.0	8.9	8.1	8.1	
INDOOR COIL TEMP RISE (°F)	30	25	23	20	16	14		
70	1100	LIQUID PRESSURE (PSIG)	441	411	394	345	311	303
		LIQUID TEMPERATURE (°F)	85	77	75	64	59	58
		LIQUID SUBCOOLING (°F)	39	42	41	42	39	39
		SUCTION PRESSURE (PSIG)	129	104	92	78	56	53
		SUCTION TEMPERATURE (°F)	57	44	37	15	5	2
		SUCTION SUPERHEAT (°F)	12	11	10	13	7	2
		OUTDOOR UNIT CURRENT (A)	18.0	17.0	17.0	11.7	11.0	10.2
		COMPRESSOR CURRENT (A)	17.0	16.0	15.0	10.3	9.6	9.6
	INDOOR COIL TEMP RISE (°F)	37	32	29	25	19	18	
	1200	LIQUID PRESSURE (PSIG)	419	393	380	332	309	292
		LIQUID TEMPERATURE (°F)	82	76	73	63	59	58
		LIQUID SUBCOOLING (°F)	38	40	40	40	40	37
		SUCTION PRESSURE (PSIG)	128	104	93	78	58	51
		SUCTION TEMPERATURE (°F)	57	44	38	15	7	2
		SUCTION SUPERHEAT (°F)	13	11	10	13	10	5
		OUTDOOR UNIT CURRENT (A)	18.0	17.0	16.0	11.0	11.0	10.2
		COMPRESSOR CURRENT (A)	16.0	15.0	15.0	10.3	9.6	8.9
	INDOOR COIL TEMP RISE (°F)	33	28	26	22	18	16	
	1400	LIQUID PRESSURE (PSIG)	398	375	366	318	307	282
		LIQUID TEMPERATURE (°F)	80	74	72	62	59	57
		LIQUID SUBCOOLING (°F)	36	38	38	38	39	35
		SUCTION PRESSURE (PSIG)	128	104	93	77	61	50
		SUCTION TEMPERATURE (°F)	58	44	38	15	9	2
		SUCTION SUPERHEAT (°F)	14	11	10	13	13	7
OUTDOOR UNIT CURRENT (A)		17.0	14.0	16.0	11.0	11.0	10.2	
COMPRESSOR CURRENT (A)		15.0	16.0	14.0	9.6	9.6	8.9	
INDOOR COIL TEMP RISE (°F)	29	25	23	20	16	14		

Continued on next page.

YHE42B21H W/ NOMINAL COIL (Continued)

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
80	1100	LIQUID PRESSURE (PSIG)	496	465	453	391	375	339
		LIQUID TEMPERATURE (°F)	93	86	83	71	66	65
		LIQUID SUBCOOLING (°F)	40	42	43	43	46	39
		SUCTION PRESSURE (PSIG)	130	106	94	79	61	53
		SUCTION TEMPERATURE (°F)	57	44	38	16	10	8
		SUCTION SUPERHEAT (°F)	12	10	10	13	15	5
		OUTDOOR UNIT CURRENT (A)	21.0	19.0	19.0	13.2	12.4	11.7
		COMPRESSOR CURRENT (A)	19.0	18.0	17.0	11.8	11.8	10.3
	INDOOR COIL TEMP RISE (°F)	36	31	29	25	20	18	
	1200	LIQUID PRESSURE (PSIG)	472	446	435	376	365	328
		LIQUID TEMPERATURE (°F)	91	84	82	70	66	65
		LIQUID SUBCOOLING (°F)	38	41	41	41	44	37
		SUCTION PRESSURE (PSIG)	130	105	94	78	62	52
		SUCTION TEMPERATURE (°F)	57	44	38	15	10	8
		SUCTION SUPERHEAT (°F)	12	10	10	13	13	5
		OUTDOOR UNIT CURRENT (A)	20.0	19.0	18.0	12.4	12.4	11.0
		COMPRESSOR CURRENT (A)	18.0	17.0	17.0	11.1	11.1	10.3
	INDOOR COIL TEMP RISE (°F)	33	28	25	22	18	16	
	1400	LIQUID PRESSURE (PSIG)	448	426	418	361	355	317
		LIQUID TEMPERATURE (°F)	89	83	80	69	66	65
		LIQUID SUBCOOLING (°F)	36	39	40	39	42	35
		SUCTION PRESSURE (PSIG)	130	105	94	77	62	51
		SUCTION TEMPERATURE (°F)	58	44	38	15	9	7
		SUCTION SUPERHEAT (°F)	13	10	10	13	12	5
OUTDOOR UNIT CURRENT (A)		19.0	18.0	18.0	12.4	11.7	11.0	
COMPRESSOR CURRENT (A)		17.0	16.0	16.0	11.1	11.1	9.6	
INDOOR COIL TEMP RISE (°F)	29	24	22	19	16	13		

FOR USE WITH MODELS WITH TXV:

YHE48B21S

TH4B4821S

RHP14L48B21S

QH4B48B21S

YHE48B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	198(10)	200(10)	203(11)	204(12)
60	216(10)	218(10)	221(11)	222(11)
65	234(10)	236(11)	239(11)	241(11)
70	251(9)	254(10)	257(10)	259(10)
75	269(9)	273(10)	276(10)	278(10)
80	292(9)	295(10)	298(10)	300(10)
85	315(10)	317(10)	320(10)	323(11)
90	338(9)	339(9)	342(10)	345(10)
95	361(9)	361(9)	365(10)	368(10)
100	389(9)	389(9)	393(10)	396(10)
105	417(10)	417(10)	421(11)	425(11)
110	445(10)	445(10)	449(10)	453(11)
115	474(10)	473(10)	478(10)	481(11)
120	502(9)	501(9)	506(9)	509(10)
125	531(9)	530(9)	534(9)	538(10)

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

Charging chart is for use in Cooling mode only.

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

YHE48B21S 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)	202	238	274	319	365	422	480	537
		LIQUID TEMPERATURE (°F)	57	68	78	88	98	108	117	127
		LIQUID SUBCOOLING (°F)	12	12	11	12	11	12	12	12
		SUCTION PRESSURE (PSIG)	115	117	119	121	123	126	129	132
		SUCTION TEMPERATURE (°F)	51	50	50	51	52	53	55	56
		SUCTION SUPERHEAT (°F)	12	11	9	9	9	10	10	10
		OUTDOOR UNIT CURRENT (A)	9.6	10.8	11.9	13.5	15	17.2	19.4	21.6
		COMPRESSOR CURRENT (A)	8.2	9.4	10.6	12.1	13.7	15.9	18.2	20.4
		INDOOR COIL TEMP DROP (°F)	24	23	23	22	21	21	20	19
	1600	LIQUID PRESSURE (PSIG)	199	235	270	315	361	417	473	529
		LIQUID TEMPERATURE (°F)	58	68	79	89	99	108	118	128
		LIQUID SUBCOOLING (°F)	11	11	10	10	10	11	10	9
		SUCTION PRESSURE (PSIG)	118	120	122	124	126	129	132	135
		SUCTION TEMPERATURE (°F)	57	56	55	56	57	59	60	62
		SUCTION SUPERHEAT (°F)	17	15	13	14	13	14	14	15
		OUTDOOR UNIT CURRENT (A)	9.8	11	12.2	13.8	15.3	17.6	19.8	22
		COMPRESSOR CURRENT (A)	8.4	9.6	10.8	12.4	14.0	16.3	18.5	20.8
		INDOOR COIL TEMP DROP (°F)	22	21	21	20	20	19	19	18
	1800	LIQUID PRESSURE (PSIG)	203	239	275	321	368	424	481	538
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	12	12	11	12	11	12	12	12
		SUCTION PRESSURE (PSIG)	120	122	124	126	128	131	134	137
		SUCTION TEMPERATURE (°F)	54	53	52	53	54	55	57	58
		SUCTION SUPERHEAT (°F)	14	11	9	9	9	9	10	10
OUTDOOR UNIT CURRENT (A)		9.7	10.8	12	13.5	15.1	17.3	19.4	21.6	
COMPRESSOR CURRENT (A)		8.3	9.4	10.6	12.2	13.8	16.0	18.2	20.4	
INDOOR COIL TEMP DROP (°F)		21	20	20	20	19	19	18	18	

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YHE48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1400	LIQUID PRESSURE (PSIG)	202	239	276	321	365	422	479	536
		LIQUID TEMPERATURE (°F)	58	68	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	12	12	11	12	11	12	12	11
		SUCTION PRESSURE (PSIG)	115	116	118	121	124	127	131	134
		SUCTION TEMPERATURE (°F)	51	50	49	51	52	54	55	57
		SUCTION SUPERHEAT (°F)	12	11	9	9	9	10	10	10
		OUTDOOR UNIT CURRENT (A)	9.7	10.8	12	13.6	15.1	17.3	19.4	21.6
		COMPRESSOR CURRENT (A)	8.2	9.5	10.7	12.2	13.8	16	18.2	20.3
	INDOOR COIL TEMP DROP (°F)	28	27	27	26	25	25	24	23	
	1600	LIQUID PRESSURE (PSIG)	200	236	273	317	361	417	473	530
		LIQUID TEMPERATURE (°F)	58	69	79	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	10	11	10	10	9	10	10	9
		SUCTION PRESSURE (PSIG)	118	120	122	123	124	129	134	139
		SUCTION TEMPERATURE (°F)	57	56	55	56	58	60	62	64
		SUCTION SUPERHEAT (°F)	17	15	13	14	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	9.9	11.1	12.3	13.8	15.4	17.6	19.8	22.1
		COMPRESSOR CURRENT (A)	8.4	9.7	10.9	12.5	14.1	16.3	18.6	20.8
	INDOOR COIL TEMP DROP (°F)	25	25	25	24	23	22	22	21	
	1800	LIQUID PRESSURE (PSIG)	203	240	277	323	368	425	483	540
		LIQUID TEMPERATURE (°F)	58	69	79	89	98	108	118	128
		LIQUID SUBCOOLING (°F)	12	12	11	12	11	12	12	11
		SUCTION PRESSURE (PSIG)	120	122	125	124	124	130	137	143
		SUCTION TEMPERATURE (°F)	55	53	52	53	54	56	58	60
		SUCTION SUPERHEAT (°F)	14	11	9	10	11	11	10	10
		OUTDOOR UNIT CURRENT (A)	9.7	10.9	12.1	13.6	15.1	17.3	19.5	21.7
		COMPRESSOR CURRENT (A)	8.3	9.5	10.7	12.3	13.8	16	18.2	20.5
	INDOOR COIL TEMP DROP (°F)	24	24	24	23	22	21	20	20	
	80/67	1400	LIQUID PRESSURE (PSIG)	205	242	279	324	370	427	484
LIQUID TEMPERATURE (°F)			58	68	79	89	99	108	118	128
LIQUID SUBCOOLING (°F)			13	12	11	12	11	12	12	11
SUCTION PRESSURE (PSIG)			123	127	130	133	135	138	141	145
SUCTION TEMPERATURE (°F)			60	58	55	56	56	58	59	60
SUCTION SUPERHEAT (°F)			18	14	10	9	9	9	9	9
OUTDOOR UNIT CURRENT (A)			9.8	10.9	12.1	13.6	15.1	17.3	19.5	21.7
COMPRESSOR CURRENT (A)			8.3	9.6	10.8	12.3	13.8	16	18.3	20.5
INDOOR COIL TEMP DROP (°F)		23	23	23	22	22	21	20	20	
1600		LIQUID PRESSURE (PSIG)	203	239	276	320	365	421	478	534
		LIQUID TEMPERATURE (°F)	58	69	80	90	99	109	119	129
		LIQUID SUBCOOLING (°F)	11	11	10	10	10	11	10	9
		SUCTION PRESSURE (PSIG)	125	129	134	136	138	141	144	147
		SUCTION TEMPERATURE (°F)	68	65	61	62	62	64	65	67
		SUCTION SUPERHEAT (°F)	25	20	15	14	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	10.0	11.2	12.4	13.9	15.5	17.7	19.9	22.1
		COMPRESSOR CURRENT (A)	8.5	9.8	11	12.6	14.2	16.4	18.7	20.9
INDOOR COIL TEMP DROP (°F)		20	21	21	20	20	19	19	18	
1800		LIQUID PRESSURE (PSIG)	206	243	281	326	372	429	486	543
		LIQUID TEMPERATURE (°F)	58	69	79	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	13	13	11	12	11	12	12	12
		SUCTION PRESSURE (PSIG)	126	131	136	138	140	143	146	149
		SUCTION TEMPERATURE (°F)	65	62	58	58	58	60	61	62
		SUCTION SUPERHEAT (°F)	22	16	11	10	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	9.8	11	12.2	13.7	15.2	17.4	19.6	21.7
		COMPRESSOR CURRENT (A)	8.4	9.6	10.8	12.4	13.9	16.1	18.3	20.5
INDOOR COIL TEMP DROP (°F)		19	19	20	19	19	19	18	18	

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YHE48B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1400	LIQUID PRESSURE (PSIG)	207	244	281	327	373	430	488	546
		LIQUID TEMPERATURE (°F)	58	69	79	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	13	13	12	12	12	13	13	12
		SUCTION PRESSURE (PSIG)	124	132	141	144	147	150	154	157
		SUCTION TEMPERATURE (°F)	68	65	61	62	62	63	64	65
		SUCTION SUPERHEAT (°F)	26	19	12	11	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	9.8	11	12.2	13.7	15.2	17.4	19.6	21.8
		COMPRESSOR CURRENT (A)	8.4	9.6	10.8	12.4	13.9	16.1	18.3	20.6
	INDOOR COIL TEMP DROP (°F)	17	17	18	17	17	16	16	15	
	1600	LIQUID PRESSURE (PSIG)	204	241	278	323	368	425	481	538
		LIQUID TEMPERATURE (°F)	58	69	80	90	100	109	119	129
		LIQUID SUBCOOLING (°F)	12	11	10	11	10	11	11	10
		SUCTION PRESSURE (PSIG)	126	135	144	147	150	153	156	160
		SUCTION TEMPERATURE (°F)	75	72	68	68	68	70	71	72
		SUCTION SUPERHEAT (°F)	32	25	18	17	15	15	15	16
		OUTDOOR UNIT CURRENT (A)	10.0	11.2	12.4	14	15.5	17.8	20	22.2
		COMPRESSOR CURRENT (A)	8.6	9.8	11.1	12.7	14.2	16.5	18.8	21
	INDOOR COIL TEMP DROP (°F)	15	16	16	16	15	15	14	14	
	1800	LIQUID PRESSURE (PSIG)	207	245	283	329	375	432	489	546
		LIQUID TEMPERATURE (°F)	58	69	79	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	13	13	12	12	12	13	13	12
		SUCTION PRESSURE (PSIG)	127	136	145	148	152	155	158	161
		SUCTION TEMPERATURE (°F)	71	68	64	64	64	65	66	67
		SUCTION SUPERHEAT (°F)	27	20	13	12	10	10	10	10
OUTDOOR UNIT CURRENT (A)		9.8	11	12.2	13.7	15.3	17.5	19.6	21.8	
COMPRESSOR CURRENT (A)		8.4	9.6	10.9	12.4	14	16.2	18.4	20.6	
INDOOR COIL TEMP DROP (°F)	14	15	16	15	15	14	14	13		

YHE48B21S W/ NOMINAL COIL

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1400	LIQUID PRESSURE (PSIG)	385	357	336	319	264	284
		LIQUID TEMPERATURE (°F)	77	69	67	63	58	56
		LIQUID SUBCOOLING (°F)	37	39	37	37	30	36
		SUCTION PRESSURE (PSIG)	127	102	90	76	49	51
		SUCTION TEMPERATURE (°F)	57	44	36	26	6	5
		SUCTION SUPERHEAT (°F)	13	12	10	7	5	3
		OUTDOOR UNIT CURRENT (A)	16.0	15.0	15.0	14.0	13.0	13.0
		COMPRESSOR CURRENT (A)	15.0	14.0	13.0	13.0	11.0	11.0
		INDOOR COIL TEMP RISE (°F)	38	32	29	25	18	19
	1600	LIQUID PRESSURE (PSIG)	367	341	325	306	271	274
		LIQUID TEMPERATURE (°F)	74	67	65	62	57	55
		LIQUID SUBCOOLING (°F)	36	38	37	36	32	35
		SUCTION PRESSURE (PSIG)	126	102	91	76	54	50
		SUCTION TEMPERATURE (°F)	57	44	37	27	8	6
		SUCTION SUPERHEAT (°F)	14	12	10	8	4	5
		OUTDOOR UNIT CURRENT (A)	16.0	15.0	14.0	14.0	13.0	13.0
		COMPRESSOR CURRENT (A)	14.0	13.0	13.0	12.0	11.0	11.0
		INDOOR COIL TEMP RISE (°F)	34	29	26	22	17	16
	1800	LIQUID PRESSURE (PSIG)	349	325	313	293	278	264
		LIQUID TEMPERATURE (°F)	72	66	64	61	56	54
		LIQUID SUBCOOLING (°F)	35	36	35	34	35	34
		SUCTION PRESSURE (PSIG)	126	103	92	76	59	48
		SUCTION TEMPERATURE (°F)	58	44	38	28	15	7
		SUCTION SUPERHEAT (°F)	15	11	11	9	7	7
OUTDOOR UNIT CURRENT (A)		15.0	14.0	14.0	13.0	13.0	12.0	
COMPRESSOR CURRENT (A)		13.0	13.0	12.0	12.0	11.0	11.0	
INDOOR COIL TEMP RISE (°F)		30	25	23	20	16	14	
70	1400	LIQUID PRESSURE (PSIG)	441	411	394	368	332	323
		LIQUID TEMPERATURE (°F)	85	77	75	71	66	64
		LIQUID SUBCOOLING (°F)	39	42	41	40	37	37
		SUCTION PRESSURE (PSIG)	129	104	92	77	55	52
		SUCTION TEMPERATURE (°F)	57	44	37	27	9	6
		SUCTION SUPERHEAT (°F)	12	11	10	8	4	3
		OUTDOOR UNIT CURRENT (A)	18.0	17.0	17.0	16.0	15.0	14.0
		COMPRESSOR CURRENT (A)	17.0	16.0	15.0	14.0	13.0	13.0
		INDOOR COIL TEMP RISE (°F)	37	32	29	25	19	18
	1600	LIQUID PRESSURE (PSIG)	419	393	380	354	330	312
		LIQUID TEMPERATURE (°F)	82	76	73	70	65	64
		LIQUID SUBCOOLING (°F)	38	40	40	38	38	35
		SUCTION PRESSURE (PSIG)	128	104	93	77	57	50
		SUCTION TEMPERATURE (°F)	57	44	38	27	12	4
		SUCTION SUPERHEAT (°F)	13	11	10	8	6	3
		OUTDOOR UNIT CURRENT (A)	18.0	17.0	16.0	15.0	15.0	14.0
		COMPRESSOR CURRENT (A)	16.0	15.0	15.0	14.0	13.0	12.0
		INDOOR COIL TEMP RISE (°F)	33	28	26	22	18	16
	1800	LIQUID PRESSURE (PSIG)	398	375	366	339	328	301
		LIQUID TEMPERATURE (°F)	80	74	72	69	65	63
		LIQUID SUBCOOLING (°F)	36	38	38	36	37	33
		SUCTION PRESSURE (PSIG)	128	104	93	76	60	49
		SUCTION TEMPERATURE (°F)	58	44	38	27	16	4
		SUCTION SUPERHEAT (°F)	14	11	10	8	8	4
OUTDOOR UNIT CURRENT (A)		17.0	14.0	16.0	15.0	15.0	14.0	
COMPRESSOR CURRENT (A)		15.0	16.0	14.0	13.0	13.0	12.0	
INDOOR COIL TEMP RISE (°F)		29	25	23	19	16	14	

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YHE48B21S W/ NOMINAL COIL (Continued)

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
80	1400	LIQUID PRESSURE (PSIG)	496	465	453	417	400	362
		LIQUID TEMPERATURE (°F)	93	86	83	79	73	72
		LIQUID SUBCOOLING (°F)	40	42	43	41	44	37
		SUCTION PRESSURE (PSIG)	130	106	94	78	60	52
		SUCTION TEMPERATURE (°F)	57	44	38	28	17	10
		SUCTION SUPERHEAT (°F)	12	10	10	8	9	7
		OUTDOOR UNIT CURRENT (A)	21.0	19.0	19.0	18.0	17.0	16.0
		COMPRESSOR CURRENT (A)	19.0	18.0	17.0	16.0	16.0	14.0
		INDOOR COIL TEMP RISE (°F)	36	31	29	24	20	17
	1600	LIQUID PRESSURE (PSIG)	472	446	435	401	389	350
		LIQUID TEMPERATURE (°F)	91	84	82	78	73	72
		LIQUID SUBCOOLING (°F)	38	41	41	39	42	35
		SUCTION PRESSURE (PSIG)	130	105	94	77	61	51
		SUCTION TEMPERATURE (°F)	57	44	38	27	17	7
		SUCTION SUPERHEAT (°F)	12	10	10	8	8	6
		OUTDOOR UNIT CURRENT (A)	20.0	19.0	18.0	17.0	17.0	15.0
		COMPRESSOR CURRENT (A)	18.0	17.0	17.0	15.0	15.0	14.0
		INDOOR COIL TEMP RISE (°F)	33	28	25	22	18	15
	1800	LIQUID PRESSURE (PSIG)	448	426	418	385	379	338
		LIQUID TEMPERATURE (°F)	89	83	80	77	73	72
		LIQUID SUBCOOLING (°F)	36	39	40	37	40	33
		SUCTION PRESSURE (PSIG)	130	105	94	76	61	50
		SUCTION TEMPERATURE (°F)	58	44	38	27	16	6
		SUCTION SUPERHEAT (°F)	13	10	10	8	7	5
OUTDOOR UNIT CURRENT (A)		19.0	18.0	18.0	17.0	16.0	15.0	
COMPRESSOR CURRENT (A)		17.0	16.0	16.0	15.0	15.0	13.0	
INDOOR COIL TEMP RISE (°F)		29	24	22	19	16	13	

FOR USE WITH MODELS WITH TXV:

YHE60B21S**TH4B6021S****RHP14L60B21S**

YHE60B21S 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(7)	199(7)	201(8)	202(9)
60	214(7)	217(7)	219(8)	220(8)
65	232(7)	236(7)	238(8)	239(8)
70	250(6)	254(6)	256(7)	257(7)
75	268(6)	273(6)	275(6)	275(6)
80	290(6)	295(6)	298(6)	298(6)
85	313(7)	318(7)	321(7)	321(6)
90	336(7)	340(7)	343(6)	344(5)
95	359(7)	362(7)	366(6)	367(5)
100	387(7)	390(7)	394(6)	395(6)
105	415(8)	419(8)	422(7)	423(7)
110	443(8)	447(8)	450(7)	451(7)
115	472(8)	475(8)	478(8)	479(7)
120	500(7)	503(7)	506(7)	507(7)
125	528(7)	531(7)	534(7)	535(7)

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.

YHE60B21S 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	1365	LIQUID PRESSURE (PSIG)	199	234	269	315	361	417	474	530
		LIQUID TEMPERATURE (°F)	62	72	82	92	102	112	121	131
		LIQUID SUBCOOLING (°F)	7	7	6	7	6	7	7	7
		SUCTION PRESSURE (PSIG)	111	114	117	119	122	125	128	132
		SUCTION TEMPERATURE (°F)	50	49	48	48	48	50	52	53
		SUCTION SUPERHEAT (°F)	13	11	8	7	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	11.9	13.1	14.4	16.2	18	20.5	22.9	25.4
		COMPRESSOR CURRENT (A)	10.7	12	13.3	15.1	16.9	19.4	21.9	24.4
	INDOOR COIL TEMP DROP (°F)	27	26	26	25	24	23	23	22	
	1615	LIQUID PRESSURE (PSIG)	199	234	270	315	360	416	472	529
		LIQUID TEMPERATURE (°F)	61	71	82	91	101	111	120	130
		LIQUID SUBCOOLING (°F)	7	7	6	7	7	8	8	8
		SUCTION PRESSURE (PSIG)	115	118	121	124	126	129	132	135
		SUCTION TEMPERATURE (°F)	62	60	57	58	58	60	62	64
		SUCTION SUPERHEAT (°F)	24	20	16	15	15	15	16	16
		OUTDOOR UNIT CURRENT (A)	12.1	13.4	14.7	16.5	18.3	20.9	23.4	25.9
		COMPRESSOR CURRENT (A)	10.9	12.3	13.6	15.4	17.3	19.8	22.3	24.8
	INDOOR COIL TEMP DROP (°F)	23	23	23	22	21	21	20	19	
	1865	LIQUID PRESSURE (PSIG)	200	236	272	317	363	419	475	532
		LIQUID TEMPERATURE (°F)	62	72	83	93	103	112	122	131
		LIQUID SUBCOOLING (°F)	7	7	5	6	6	7	7	6
		SUCTION PRESSURE (PSIG)	117	121	124	127	129	132	135	138
		SUCTION TEMPERATURE (°F)	58	54	51	52	52	54	55	57
		SUCTION SUPERHEAT (°F)	18	13	8	8	7	8	8	8
OUTDOOR UNIT CURRENT (A)		11.9	13.2	14.5	16.3	18.1	20.5	23	25.4	
COMPRESSOR CURRENT (A)		10.8	12.1	13.4	15.2	17.0	19.5	22.0	24.4	
INDOOR COIL TEMP DROP (°F)	22	22	22	21	21	20	19	19		

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YHE60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/62	1365	LIQUID PRESSURE (PSIG)	199	236	274	318	363	419	475	531
		LIQUID TEMPERATURE (°F)	62	72	83	93	103	112	122	131
		LIQUID SUBCOOLING (°F)	7	7	6	7	6	7	7	6
		SUCTION PRESSURE (PSIG)	111	114	117	120	122	126	129	132
		SUCTION TEMPERATURE (°F)	51	49	47	48	48	50	51	53
		SUCTION SUPERHEAT (°F)	14	11	8	7	6	7	7	7
		OUTDOOR UNIT CURRENT (A)	11.9	13.2	14.5	16.3	18.1	20.6	23	25.5
		COMPRESSOR CURRENT (A)	10.8	12.1	13.5	15.2	17	19.5	22	24.4
	INDOOR COIL TEMP DROP (°F)	31	31	30	29	29	28	27	26	
	1615	LIQUID PRESSURE (PSIG)	199	236	273	318	362	419	475	531
		LIQUID TEMPERATURE (°F)	61	72	82	92	102	111	121	130
		LIQUID SUBCOOLING (°F)	7	7	6	7	7	8	8	7
		SUCTION PRESSURE (PSIG)	115	118	121	124	127	130	134	137
		SUCTION TEMPERATURE (°F)	64	61	58	58	58	60	62	64
		SUCTION SUPERHEAT (°F)	26	21	16	15	15	15	15	16
		OUTDOOR UNIT CURRENT (A)	12.1	13.5	14.8	16.6	18.4	21	23.5	26
		COMPRESSOR CURRENT (A)	11.0	12.3	13.7	15.5	17.4	19.9	22.4	24.9
	INDOOR COIL TEMP DROP (°F)	27	27	27	26	25	24	24	23	
	1865	LIQUID PRESSURE (PSIG)	200	238	275	320	365	422	478	535
		LIQUID TEMPERATURE (°F)	62	73	84	94	104	113	123	132
		LIQUID SUBCOOLING (°F)	7	7	6	6	6	7	7	6
		SUCTION PRESSURE (PSIG)	117	121	125	127	130	133	137	140
		SUCTION TEMPERATURE (°F)	60	56	52	52	52	54	56	57
		SUCTION SUPERHEAT (°F)	20	15	9	8	7	7	8	8
		OUTDOOR UNIT CURRENT (A)	12.0	13.3	14.6	16.4	18.2	20.6	23.1	25.6
		COMPRESSOR CURRENT (A)	10.8	12.2	13.5	15.3	17.1	19.6	22.1	24.6
	INDOOR COIL TEMP DROP (°F)	26	26	26	25	25	24	23	22	
	80/67	1365	LIQUID PRESSURE (PSIG)	201	238	276	321	367	423	479
LIQUID TEMPERATURE (°F)			62	73	84	94	104	113	123	132
LIQUID SUBCOOLING (°F)			7	7	5	6	6	7	7	6
SUCTION PRESSURE (PSIG)			118	123	128	131	133	136	139	143
SUCTION TEMPERATURE (°F)			60	57	53	54	54	56	58	60
SUCTION SUPERHEAT (°F)			20	15	9	8	8	8	9	9
OUTDOOR UNIT CURRENT (A)			11.9	13.3	14.7	16.5	18.3	20.8	23.3	25.8
COMPRESSOR CURRENT (A)			10.8	12.2	13.6	15.4	17.2	19.7	22.3	24.8
INDOOR COIL TEMP DROP (°F)		26	26	26	25	24	23	22	22	
1615		LIQUID PRESSURE (PSIG)	201	238	275	321	366	422	478	534
		LIQUID TEMPERATURE (°F)	61	72	84	93	103	112	122	131
		LIQUID SUBCOOLING (°F)	8	8	6	7	6	7	8	7
		SUCTION PRESSURE (PSIG)	120	126	132	135	138	141	144	147
		SUCTION TEMPERATURE (°F)	74	70	66	66	65	67	69	71
		SUCTION SUPERHEAT (°F)	33	26	19	18	17	18	18	19
		OUTDOOR UNIT CURRENT (A)	12.2	13.6	15	16.8	18.6	21.2	23.7	26.3
		COMPRESSOR CURRENT (A)	11.0	12.4	13.8	15.7	17.5	20.1	22.7	25.2
INDOOR COIL TEMP DROP (°F)		22	22	22	22	21	20	20	19	
1865		LIQUID PRESSURE (PSIG)	203	240	278	323	369	425	481	537
		LIQUID TEMPERATURE (°F)	62	73	85	95	105	114	124	133
		LIQUID SUBCOOLING (°F)	8	7	5	6	5	6	6	6
		SUCTION PRESSURE (PSIG)	121	128	135	138	141	144	147	150
		SUCTION TEMPERATURE (°F)	67	64	60	59	58	60	61	62
		SUCTION SUPERHEAT (°F)	26	19	13	11	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	12.0	13.4	14.7	16.5	18.3	20.8	23.4	25.9
		COMPRESSOR CURRENT (A)	10.9	12.3	13.6	15.5	17.3	19.8	22.3	24.8
INDOOR COIL TEMP DROP (°F)		20	21	21	21	20	20	19	18	

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YHE60B21S W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/72	1365	LIQUID PRESSURE (PSIG)	203	239	276	322	368	424	481	537
		LIQUID TEMPERATURE (°F)	61	73	84	94	105	114	124	133
		LIQUID SUBCOOLING (°F)	8	7	6	6	5	6	6	6
		SUCTION PRESSURE (PSIG)	121	129	138	142	146	149	153	156
		SUCTION TEMPERATURE (°F)	68	65	63	62	60	62	63	65
		SUCTION SUPERHEAT (°F)	27	20	14	12	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	11.9	13.3	14.7	16.5	18.2	20.8	23.3	25.9
		COMPRESSOR CURRENT (A)	10.8	12.2	13.6	15.4	17.2	19.7	22.3	24.8
	INDOOR COIL TEMP DROP (°F)	20	20	21	20	19	18	18	17	
	1615	LIQUID PRESSURE (PSIG)	202	239	275	321	367	423	479	535
		LIQUID TEMPERATURE (°F)	60	72	83	94	104	113	123	132
		LIQUID SUBCOOLING (°F)	9	8	6	6	5	7	7	7
		SUCTION PRESSURE (PSIG)	123	132	141	146	150	154	157	160
		SUCTION TEMPERATURE (°F)	81	78	75	74	73	74	76	77
		SUCTION SUPERHEAT (°F)	39	32	26	23	20	20	20	20
		OUTDOOR UNIT CURRENT (A)	12.2	13.6	15	16.8	18.6	21.2	23.8	26.3
		COMPRESSOR CURRENT (A)	11.0	12.4	13.8	15.7	17.5	20.1	22.7	25.3
	INDOOR COIL TEMP DROP (°F)	17	17	18	17	17	16	15	15	
	1865	LIQUID PRESSURE (PSIG)	204	241	278	324	370	426	482	539
		LIQUID TEMPERATURE (°F)	61	73	84	95	106	115	124	134
		LIQUID SUBCOOLING (°F)	9	8	6	6	4	6	6	5
		SUCTION PRESSURE (PSIG)	123	133	143	148	153	156	159	162
		SUCTION TEMPERATURE (°F)	71	69	67	66	65	66	67	68
		SUCTION SUPERHEAT (°F)	29	23	17	14	11	11	11	10
OUTDOOR UNIT CURRENT (A)		12.0	13.4	14.7	16.6	18.4	20.9	23.4	25.9	
COMPRESSOR CURRENT (A)		10.9	12.3	13.6	15.5	17.3	19.8	22.4	24.9	
INDOOR COIL TEMP DROP (°F)	15	16	17	16	16	15	15	14		

YHE60B21S W/ NOMINAL COIL

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA					
			60	47	40	30	17	10
60	1365	LIQUID PRESSURE (PSIG)	364	336	321	305	283	271
		LIQUID TEMPERATURE (°F)	91	83	78	71	63	59
		LIQUID SUBCOOLING (°F)	19	21	23	26	29	30
		SUCTION PRESSURE (PSIG)	128	103	90	75	57	49
		SUCTION TEMPERATURE (°F)	56	42	34	26	15	8
		SUCTION SUPERHEAT (°F)	12	9	8	8	9	8
		OUTDOOR UNIT CURRENT (A)	19.0	17.0	17.0	16.0	15.0	15.0
		COMPRESSOR CURRENT (A)	18.0	16.0	16.0	15.0	14.0	14.0
	INDOOR COIL TEMP RISE (°F)	45	39	35	31	25	22	
	1615	LIQUID PRESSURE (PSIG)	340	315	302	288	270	260
		LIQUID TEMPERATURE (°F)	86	80	75	68	61	58
		LIQUID SUBCOOLING (°F)	19	20	22	25	28	29
		SUCTION PRESSURE (PSIG)	126	103	90	74	57	49
		SUCTION TEMPERATURE (°F)	57	42	34	26	15	8
		SUCTION SUPERHEAT (°F)	14	9	8	9	9	8
		OUTDOOR UNIT CURRENT (A)	18.0	17.0	16.0	16.0	15.0	14.0
		COMPRESSOR CURRENT (A)	16.0	15.0	15.0	14.0	14.0	13.0
	INDOOR COIL TEMP RISE (°F)	39	34	31	26	22	19	
	1865	LIQUID PRESSURE (PSIG)	315	294	284	271	258	248
		LIQUID TEMPERATURE (°F)	81	77	72	66	60	57
		LIQUID SUBCOOLING (°F)	19	18	20	23	26	26
		SUCTION PRESSURE (PSIG)	124	102	89	73	58	48
		SUCTION TEMPERATURE (°F)	58	42	34	25	15	8
		SUCTION SUPERHEAT (°F)	16	10	8	8	8	8
OUTDOOR UNIT CURRENT (A)		17.0	16.0	15.0	15.0	14.0	14.0	
COMPRESSOR CURRENT (A)		15.0	15.0	14.0	14.0	13.0	13.0	
INDOOR COIL TEMP RISE (°F)	34	29	26	22	19	16		
70	1365	LIQUID PRESSURE (PSIG)	411	382	367	349	322	312
		LIQUID TEMPERATURE (°F)	99	91	85	78	71	68
		LIQUID SUBCOOLING (°F)	20	22	25	29	30	31
		SUCTION PRESSURE (PSIG)	129	104	91	75	57	50
		SUCTION TEMPERATURE (°F)	56	42	35	26	15	10
		SUCTION SUPERHEAT (°F)	11	9	8	8	9	9
		OUTDOOR UNIT CURRENT (A)	21.0	19.0	19.0	18.0	17.0	17.0
		COMPRESSOR CURRENT (A)	20.0	18.0	18.0	17.0	16.0	15.0
	INDOOR COIL TEMP RISE (°F)	44	38	34	30	24	22	
	1615	LIQUID PRESSURE (PSIG)	385	360	347	331	311	300
		LIQUID TEMPERATURE (°F)	95	88	83	76	70	67
		LIQUID SUBCOOLING (°F)	19	21	23	27	29	29
		SUCTION PRESSURE (PSIG)	128	104	90	73	58	50
		SUCTION TEMPERATURE (°F)	56	42	35	25	15	9
		SUCTION SUPERHEAT (°F)	12	9	9	8	8	8
		OUTDOOR UNIT CURRENT (A)	20.0	18.0	18.0	17.0	16.0	16.0
		COMPRESSOR CURRENT (A)	18.0	17.0	17.0	16.0	15.0	15.0
	INDOOR COIL TEMP RISE (°F)	38	33	30	26	21	19	
	1865	LIQUID PRESSURE (PSIG)	358	337	327	312	299	288
		LIQUID TEMPERATURE (°F)	91	85	80	74	69	66
		LIQUID SUBCOOLING (°F)	18	19	22	25	27	27
		SUCTION PRESSURE (PSIG)	127	103	90	71	58	50
		SUCTION TEMPERATURE (°F)	56	42	34	24	16	9
		SUCTION SUPERHEAT (°F)	12	9	8	8	9	8
OUTDOOR UNIT CURRENT (A)		18.0	16.0	17.0	17.0	16.0	16.0	
COMPRESSOR CURRENT (A)		17.0	18.0	16.0	15.0	15.0	14.0	
INDOOR COIL TEMP RISE (°F)	33	28	25	21	18	16		

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YHE60B21S W/ NOMINAL COIL (Continued)

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA					
			60	47	40	30	17	10
80	1365	LIQUID PRESSURE (PSIG)	458	428	413	393	362	354
		LIQUID TEMPERATURE (°F)	107	98	93	86	79	77
		LIQUID SUBCOOLING (°F)	20	24	26	30	30	31
		SUCTION PRESSURE (PSIG)	131	105	92	76	58	51
		SUCTION TEMPERATURE (°F)	56	41	35	27	15	12
		SUCTION SUPERHEAT (°F)	11	7	8	8	8	10
		OUTDOOR UNIT CURRENT (A)	23.0	21.0	21.0	20.0	18.0	18.0
		COMPRESSOR CURRENT (A)	22.0	20.0	19.0	18.0	17.0	17.0
	INDOOR COIL TEMP RISE (°F)	43	37	34	29	24	21	
	1615	LIQUID PRESSURE (PSIG)	430	404	392	373	351	341
		LIQUID TEMPERATURE (°F)	104	96	91	83	78	76
		LIQUID SUBCOOLING (°F)	18	22	24	29	29	29
		SUCTION PRESSURE (PSIG)	130	105	91	73	58	51
		SUCTION TEMPERATURE (°F)	55	42	35	24	16	11
		SUCTION SUPERHEAT (°F)	10	8	8	7	9	9
		OUTDOOR UNIT CURRENT (A)	22.0	20.0	20.0	19.0	18.0	18.0
		COMPRESSOR CURRENT (A)	20.0	19.0	19.0	18.0	17.0	16.0
	INDOOR COIL TEMP RISE (°F)	38	32	29	25	21	18	
	1865	LIQUID PRESSURE (PSIG)	402	380	371	353	340	328
		LIQUID TEMPERATURE (°F)	101	93	88	81	77	75
		LIQUID SUBCOOLING (°F)	16	20	23	27	28	27
		SUCTION PRESSURE (PSIG)	129	104	91	70	59	51
		SUCTION TEMPERATURE (°F)	55	42	35	22	16	10
		SUCTION SUPERHEAT (°F)	10	9	8	7	8	8
OUTDOOR UNIT CURRENT (A)		20.0	19.0	19.0	18.0	17.0	17.0	
COMPRESSOR CURRENT (A)		19.0	18.0	18.0	17.0	16.0	16.0	
INDOOR COIL TEMP RISE (°F)	32	27	25	21	18	16		

FOR USE WITH MODELS WITH TXV:

YHM24B21S**CH16B2421SA****TH16B2421SA****IMPORTANT**

The main control must be moved to "H", which will lock it into 100% capacity for charge and operation evaluation before the below numbers will apply.

This data is only applicable when the main control is put on "H". If the main control jumper is not moved to "H" the data will not be applicable. After system evaluation remember to return the jumper to its normal orientation position.

YHM24B21S 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(3)	202(7)	205(7)	207(7)
60	204(3)	220(7)	222(7)	225(7)
65	223(4)	238(7)	241(7)	244(7)
70	243(4)	256(7)	260(7)	263(7)
75	264(5)	276(7)	279(7)	283(7)
80	286(5)	296(7)	300(7)	304(6)
85	308(5)	317(7)	321(7)	325(6)
90	331(6)	339(7)	343(7)	347(6)
95	355(6)	362(7)	365(6)	370(6)
100	380(6)	385(7)	388(6)	393(6)
105	405(6)	410(7)	412(6)	417(6)
110	432(6)	434(6)	437(6)	441(5)
115	459(6)	460(6)	462(6)	466(5)
120	487(6)	487(6)	489(6)	492(5)
125	515(5)	514(5)	515(5)	518(5)

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.

YHM24B21S 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	550	LIQUID PRESSURE (PSIG)	200	235	273	315	359	406	457	510
		LIQUID TEMPERATURE (°F)	62	72	83	93	102	111	121	130
		LIQUID SUBCOOLING (°F)	8	8	7	7	7	7	6	6
		SUCTION PRESSURE (PSIG)	109	111	113	116	120	125	131	137
		SUCTION TEMPERATURE (°F)	47	48	50	52	56	59	64	69
		SUCTION SUPERHEAT (°F)	11	11	12	13	15	16	19	21
		OUTDOOR UNIT CURRENT (A)	5.6	6.8	7.7	8.5	9	9.3	9.4	9.2
		COMPRESSOR CURRENT (A)	5.6	6.7	7.7	8.5	9	9.3	9.4	9.2
	INDOOR COIL TEMP DROP (°F)	28	27	27	26	25	24	22	20	
	750	LIQUID PRESSURE (PSIG)	202	237	275	317	361	408	459	512
		LIQUID TEMPERATURE (°F)	62	72	83	93	102	111	121	130
		LIQUID SUBCOOLING (°F)	8	8	7	7	7	7	6	6
		SUCTION PRESSURE (PSIG)	115	117	119	122	126	131	137	143
		SUCTION TEMPERATURE (°F)	50	50	52	55	58	61	67	71
		SUCTION SUPERHEAT (°F)	11	11	12	13	15	16	19	21
		OUTDOOR UNIT CURRENT (A)	5.6	6.8	7.7	8.5	9	9.3	9.4	9.2
		COMPRESSOR CURRENT (A)	5.6	6.7	7.7	8.5	9.0	9.3	9.4	9.2
	INDOOR COIL TEMP DROP (°F)	25	24	24	23	22	21	19	17	
	950	LIQUID PRESSURE (PSIG)	204	239	277	319	363	410	461	514
		LIQUID TEMPERATURE (°F)	63	73	84	93	103	112	122	130
		LIQUID SUBCOOLING (°F)	8	8	7	7	7	7	6	6
		SUCTION PRESSURE (PSIG)	121	123	125	128	132	137	143	149
		SUCTION TEMPERATURE (°F)	52	53	55	57	61	64	69	74
		SUCTION SUPERHEAT (°F)	11	11	12	13	15	16	19	21
OUTDOOR UNIT CURRENT (A)		5.6	6.8	7.7	8.5	9	9.3	9.4	9.2	
COMPRESSOR CURRENT (A)		5.6	6.7	7.7	8.5	9.0	9.3	9.4	9.2	
INDOOR COIL TEMP DROP (°F)	22	21	21	20	19	18	16	14		

Continued on next page.

YHM24B21S W/ NOMINAL 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	550	LIQUID PRESSURE (PSIG)	196	231	270	311	356	405	456	511
		LIQUID TEMPERATURE (°F)	61	71	81	91	100	111	120	130
		LIQUID SUBCOOLING (°F)	8	8	8	8	8	7	7	6
		SUCTION PRESSURE (PSIG)	97	98	101	105	111	119	128	139
		SUCTION TEMPERATURE (°F)	40	43	46	50	54	59	64	69
		SUCTION SUPERHEAT (°F)	10	12	14	16	17	19	20	20
		OUTDOOR UNIT CURRENT (A)	5.6	6.8	7.7	8.4	8.9	9.3	9.4	9.3
		COMPRESSOR CURRENT (A)	5.6	6.8	7.7	8.4	8.9	9.2	9.4	9.3
	INDOOR COIL TEMP DROP (°F)	35	35	34	33	31	29	26	23	
	750	LIQUID PRESSURE (PSIG)	199	234	273	314	359	408	459	514
		LIQUID TEMPERATURE (°F)	62	73	83	92	102	112	121	131
		LIQUID SUBCOOLING (°F)	7	7	7	7	7	6	6	5
		SUCTION PRESSURE (PSIG)	107	108	111	115	121	129	138	149
		SUCTION TEMPERATURE (°F)	44	46	50	54	57	63	67	72
		SUCTION SUPERHEAT (°F)	9	11	13	15	16	18	19	19
		OUTDOOR UNIT CURRENT (A)	5.6	6.8	7.7	8.4	8.9	9.3	9.4	9.3
		COMPRESSOR CURRENT (A)	5.6	6.8	7.7	8.4	8.9	9.2	9.4	9.3
	INDOOR COIL TEMP DROP (°F)	31	31	30	29	27	25	22	19	
	950	LIQUID PRESSURE (PSIG)	202	237	276	317	362	411	462	517
		LIQUID TEMPERATURE (°F)	64	74	85	94	103	114	123	133
		LIQUID SUBCOOLING (°F)	6	6	6	6	6	5	5	4
		SUCTION PRESSURE (PSIG)	117	118	121	125	131	139	148	159
		SUCTION TEMPERATURE (°F)	48	51	54	58	61	67	71	75
		SUCTION SUPERHEAT (°F)	9	11	13	15	16	18	19	19
		OUTDOOR UNIT CURRENT (A)	5.6	6.8	7.7	8.4	8.9	9.3	9.4	9.3
		COMPRESSOR CURRENT (A)	5.6	6.8	7.7	8.4	8.9	9.2	9.4	9.3
	INDOOR COIL TEMP DROP (°F)	27	27	26	25	23	21	18	15	
	80/62	550	LIQUID PRESSURE (PSIG)	200	236	274	315	360	408	458
LIQUID TEMPERATURE (°F)			62	72	82	92	101	110	120	130
LIQUID SUBCOOLING (°F)			8	8	8	8	8	8	7	6
SUCTION PRESSURE (PSIG)			109	109	111	114	119	125	132	141
SUCTION TEMPERATURE (°F)			45	46	49	51	54	59	64	69
SUCTION SUPERHEAT (°F)			9	10	12	13	14	16	18	20
OUTDOOR UNIT CURRENT (A)			5.6	6.8	7.7	8.5	9	9.3	9.4	9.3
COMPRESSOR CURRENT (A)			5.6	6.7	7.7	8.5	9	9.3	9.4	9.3
INDOOR COIL TEMP DROP (°F)		32	32	31	30	29	27	25	23	
750		LIQUID PRESSURE (PSIG)	202	238	276	317	362	410	460	514
		LIQUID TEMPERATURE (°F)	63	74	84	93	102	112	121	131
		LIQUID SUBCOOLING (°F)	7	7	7	7	7	7	6	5
		SUCTION PRESSURE (PSIG)	116	116	118	121	126	132	139	148
		SUCTION TEMPERATURE (°F)	48	49	52	54	57	62	67	72
		SUCTION SUPERHEAT (°F)	9	10	12	13	14	16	18	20
		OUTDOOR UNIT CURRENT (A)	5.6	6.8	7.7	8.5	9	9.3	9.4	9.3
		COMPRESSOR CURRENT (A)	5.6	6.7	7.7	8.5	9	9.3	9.4	9.3
INDOOR COIL TEMP DROP (°F)		29	29	28	27	26	24	22	20	
950		LIQUID PRESSURE (PSIG)	204	240	278	319	364	412	462	516
		LIQUID TEMPERATURE (°F)	65	75	85	94	104	113	123	133
		LIQUID SUBCOOLING (°F)	6	6	6	6	6	6	5	4
		SUCTION PRESSURE (PSIG)	123	123	125	128	133	139	146	155
		SUCTION TEMPERATURE (°F)	51	52	55	57	60	65	69	75
		SUCTION SUPERHEAT (°F)	9	10	12	13	14	16	18	20
		OUTDOOR UNIT CURRENT (A)	5.6	6.8	7.7	8.5	9	9.3	9.4	9.3
		COMPRESSOR CURRENT (A)	5.6	6.7	7.7	8.5	9	9.3	9.4	9.3
INDOOR COIL TEMP DROP (°F)		26	26	25	24	23	21	19	17	

Continued on next page.

YHM24B21S W/ NOMINAL 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	550	LIQUID PRESSURE (PSIG)	203	239	277	319	363	410	460	513
		LIQUID TEMPERATURE (°F)	64	74	84	93	104	113	121	131
		LIQUID SUBCOOLING (°F)	7	7	7	7	6	6	6	5
		SUCTION PRESSURE (PSIG)	119	121	123	126	131	137	144	152
		SUCTION TEMPERATURE (°F)	51	53	54	56	59	64	68	73
		SUCTION SUPERHEAT (°F)	11	12	12	13	14	16	17	19
		OUTDOOR UNIT CURRENT (A)	5.4	6.7	7.7	8.5	9.1	9.4	9.5	9.3
		COMPRESSOR CURRENT (A)	5.4	6.7	7.7	8.5	9	9.4	9.5	9.3
	INDOOR COIL TEMP DROP (°F)	28	27	27	26	25	24	22	21	
	750	LIQUID PRESSURE (PSIG)	205	241	279	321	365	412	462	515
		LIQUID TEMPERATURE (°F)	64	75	84	94	104	113	122	131
		LIQUID SUBCOOLING (°F)	7	7	7	7	6	6	6	5
		SUCTION PRESSURE (PSIG)	124	126	128	131	136	142	149	157
		SUCTION TEMPERATURE (°F)	54	55	56	58	61	66	70	74
		SUCTION SUPERHEAT (°F)	11	12	12	13	14	16	17	19
		OUTDOOR UNIT CURRENT (A)	5.4	6.7	7.7	8.5	9.1	9.4	9.5	9.3
		COMPRESSOR CURRENT (A)	5.4	6.7	7.7	8.5	9	9.4	9.5	9.3
	INDOOR COIL TEMP DROP (°F)	25	24	24	23	22	21	19	18	
	950	LIQUID PRESSURE (PSIG)	207	243	281	323	367	414	464	517
		LIQUID TEMPERATURE (°F)	65	75	85	94	104	113	122	132
		LIQUID SUBCOOLING (°F)	7	7	7	7	6	6	6	5
		SUCTION PRESSURE (PSIG)	129	131	133	136	141	147	154	162
		SUCTION TEMPERATURE (°F)	57	58	59	61	64	69	72	77
		SUCTION SUPERHEAT (°F)	12	13	13	14	15	17	18	20
		OUTDOOR UNIT CURRENT (A)	5.4	6.7	7.7	8.5	9.1	9.4	9.5	9.3
		COMPRESSOR CURRENT (A)	5.4	6.7	7.7	8.5	9	9.4	9.5	9.3
	INDOOR COIL TEMP DROP (°F)	22	21	21	20	19	18	16	15	
	80/72	550	LIQUID PRESSURE (PSIG)	205	242	281	323	368	415	464
LIQUID TEMPERATURE (°F)			64	75	85	95	105	114	123	132
LIQUID SUBCOOLING (°F)			7	7	7	6	6	6	5	5
SUCTION PRESSURE (PSIG)			129	131	135	139	143	149	156	164
SUCTION TEMPERATURE (°F)			59	58	60	62	63	67	70	75
SUCTION SUPERHEAT (°F)			14	13	13	13	13	14	15	17
OUTDOOR UNIT CURRENT (A)			5.3	6.6	7.7	8.5	9.1	9.4	9.6	9.4
COMPRESSOR CURRENT (A)			5.3	6.6	7.7	8.5	9.1	9.4	9.6	9.4
INDOOR COIL TEMP DROP (°F)		23	22	22	21	20	19	18	16	
750		LIQUID PRESSURE (PSIG)	207	244	283	325	370	417	466	518
		LIQUID TEMPERATURE (°F)	65	75	85	96	105	114	123	132
		LIQUID SUBCOOLING (°F)	7	7	7	6	6	6	5	5
		SUCTION PRESSURE (PSIG)	135	137	141	145	149	155	162	170
		SUCTION TEMPERATURE (°F)	61	61	62	64	66	69	72	77
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	5.3	6.6	7.7	8.5	9.1	9.4	9.6	9.4
		COMPRESSOR CURRENT (A)	5.3	6.6	7.7	8.5	9.1	9.4	9.6	9.4
INDOOR COIL TEMP DROP (°F)		20	19	19	18	17	16	15	13	
950		LIQUID PRESSURE (PSIG)	209	246	285	327	372	419	468	520
		LIQUID TEMPERATURE (°F)	66	76	86	96	105	114	124	132
		LIQUID SUBCOOLING (°F)	7	7	7	6	6	6	5	5
		SUCTION PRESSURE (PSIG)	141	143	147	151	155	161	168	176
		SUCTION TEMPERATURE (°F)	64	64	66	67	69	72	75	80
		SUCTION SUPERHEAT (°F)	15	14	14	14	14	15	16	18
	OUTDOOR UNIT CURRENT (A)	5.3	6.6	7.7	8.5	9.1	9.4	9.6	9.4	
	COMPRESSOR CURRENT (A)	5.3	6.6	7.7	8.5	9.1	9.4	9.6	9.4	
INDOOR COIL TEMP DROP (°F)	17	16	16	15	14	13	12	10		

YHM24B21S W/ NOMINAL COIL

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	550	SUCTION PRESS (PSIG)	129	103	91	39	20	33
		SUCTION TEMP (F)	145	33	27	-8	-28	-13
		SUCTION SUPERHEAT (F)	14	14	13	22	24	12
		LIQUID SUBCOOLING (F)	17	22	24	26	28	28
		LIQUID PRESS (PSIG)	385	352	335	250	217	236
		LIQUID TEMP(F)	97	85	80	58	47	53
		ID AIR DB TEMP. RISE	44	38	35	18	11	15
	TOTAL / COMPR. AMPS	10 / 10	9 / 9	9 / 9	7 / 7	6 / 6	7 / 7	
	750	SUCTION PRESS (PSIG)	127	102	89	37	24	41
		SUCTION TEMP (F)	44	33	26	13	2	-7
		SUCTION SUPERHEAT (F)	15	14	13	23	20	11
		LIQUID SUBCOOLING (F)	15	19	21	23	25	27
		LIQUID PRESS (PSIG)	345	318	302	234	212	234
		LIQUID TEMP(F)	90	80	75	56	48	53
		ID AIR DB TEMP. RISE	36	31	28	14	9	14
	TOTAL / COMPR. AMPS	9 / 9	9 / 9	8 / 8	7 / 7	6 / 6	7 / 7	
	950	SUCTION PRESS (PSIG)	125	102	87	36	27	49
		SUCTION TEMP (F)	43	32	25	-11	-20	0
		SUCTION SUPERHEAT (F)	16	14	13	23	15	11
		LIQUID SUBCOOLING (F)	13	16	18	20	23	26
		LIQUID PRESS (PSIG)	304	284	270	217	207	233
LIQUID TEMP(F)		84	76	71	55	49	53	
ID AIR DB TEMP. RISE		28	24	21	10	8	13	
TOTAL / COMPR. AMPS	8 / 8	8 / 8	8 / 8	6 / 6	6 / 6	7 / 7		
70	550	SUCTION PRESS (PSIG)	130	103	89	42	28	42
		SUCTION TEMP (F)	45	33	26	14	-19	-6
		SUCTION SUPERHEAT (F)	14	14	13	19	21	12
		LIQUID SUBCOOLING (F)	19	24	24	28	31	31
		LIQUID PRESS (PSIG)	427	394	368	292	266	291
		LIQUID TEMP(F)	103	92	86	66	57	62
		ID AIR DB TEMP. RISE	43	37	33	18	13	18
	TOTAL / COMPR. AMPS	11 / 11	10 / 10	9 / 9	8 / 8	7 / 7	8 / 8	
	750	SUCTION PRESS (PSIG)	128	103	88	48	27	46
		SUCTION TEMP (F)	44	33	25	-1	-20	-3
		SUCTION SUPERHEAT (F)	15	14	13	18	20	11
		LIQUID SUBCOOLING (F)	17	21	21	25	29	30
		LIQUID PRESS (PSIG)	386	359	336	282	254	280
		LIQUID TEMP(F)	97	87	82	67	55	61
		ID AIR DB TEMP. RISE	35	30	26	16	10	15
	TOTAL / COMPR. AMPS	10 / 10	9 / 9	9 / 9	8 / 8	7 / 7	8 / 7	
	950	SUCTION PRESS (PSIG)	127	102	86	54	26	49
		SUCTION TEMP (F)	44	33	24	2	-21	1
		SUCTION SUPERHEAT (F)	15	14	13	18	19	11
		LIQUID SUBCOOLING (F)	14	18	18	21	27	28
		LIQUID PRESS (PSIG)	345	325	305	273	242	270
LIQUID TEMP(F)		91	83	78	67	54	61	
ID AIR DB TEMP. RISE		27	23	20	13	8	13	
TOTAL / COMPR. AMPS	9 / 9	8 / 10	8 / 8	8 / 8	7 / 7	7 / 7		

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YHM24B21S W/ NOMINAL COIL (Continued)

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
80	550	SUCTION PRESS (PSIG)	130	104	87	46	36	51
		SUCTION TEMP (F)	45	34	25	-2	-11	2
		SUCTION SUPERHEAT (F)	14	14	13	17	18	12
		LIQUID SUBCOOLING (F)	20	25	24	30	33	35
		LIQUID PRESS (PSIG)	470	437	401	334	316	346
		LIQUID TEMP(F)	109	98	93	73	66	71
		ID AIR DB TEMP. RISE	41	35	30	18	15	20
	TOTAL / COMPR. AMPS	12 / 12	11 / 11	10 / 10	8 / 8	8 / 8	8 / 8	
	750	SUCTION PRESS (PSIG)	129	104	86	59	30	50
		SUCTION TEMP (F)	145	33	24	7	-17	1
		SUCTION SUPERHEAT (F)	14	14	13	14	20	12
		LIQUID SUBCOOLING (F)	18	23	21	26	32	32
		LIQUID PRESS (PSIG)	428	401	370	331	296	326
		LIQUID TEMP(F)	104	94	90	77	63	70
		ID AIR DB TEMP. RISE	33	29	24	17	11	16
	TOTAL / COMPR. AMPS	11 / 11	10 / 10	9 / 9	8 / 8	7 / 7	8 / 8	
	950	SUCTION PRESS (PSIG)	128	103	85	71	24	50
		SUCTION TEMP (F)	44	33	24	16	-23	1
		SUCTION SUPERHEAT (F)	15	14	12	12	22	12
		LIQUID SUBCOOLING (F)	16	21	19	22	31	29
		LIQUID PRESS (PSIG)	386	365	339	328	277	306
LIQUID TEMP(F)		98	89	86	80	60	68	
ID AIR DB TEMP. RISE		26	22	18	16	7	12	
TOTAL / COMPR. AMPS	10 / 10	10 / 10	9 / 9	9 / 9	7 / 7	8 / 8		

FOR USE WITH MODELS WITH TXV:

- YHM36B21S**
- CH16B3621SA**
- TH16B3621SA**

IMPORTANT
<p><i>The main control must be moved to "H", which will lock it into 100% capacity for charge and operation evaluation before the below numbers will apply.</i></p> <p><i>This data is only applicable when the main control is put on "H". If the main control jumper is not moved to "H" the data will not be applicable. After system evaluation remember to return the jumper to its normal orientation position.</i></p>

YHM36B21S 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	218(4)	225(9)	233(11)	238(11)
60	231(4)	240(9)	248(10)	254(11)
65	246(3)	256(9)	265(10)	271(11)
70	262(3)	273(8)	282(10)	288(11)
75	279(2)	291(8)	300(10)	306(11)
80	297(2)	309(8)	319(9)	325(11)
85	317(2)	329(7)	339(9)	345(10)
90	338(2)	349(7)	359(9)	365(10)
95	360(1)	370(6)	381(8)	386(10)
100	383(1)	392(6)	403(8)	408(10)
105	408(1)	415(5)	425(8)	431(10)
110	434(1)	438(5)	449(8)	454(9)
115	462(1)	463(5)	473(7)	478(9)
120	490(1)	488(4)	499(7)	502(9)
125	520(1)	514(4)	525(7)	528(8)

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

YHM36B21S 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)	225	258	294	332	372	414	458	505
		LIQUID TEMPERATURE (°F)	68	77	86	95	105	114	124	134
		LIQUID SUBCOOLING (°F)	9	9	9	8	6	5	3	1
		SUCTION PRESSURE (PSIG)	116	115	116	119	125	133	143	156
		SUCTION TEMPERATURE (°F)	42	42	42	43	45	48	51	55
		SUCTION SUPERHEAT (°F)	3	3	3	3	2	2	1	1
		OUTDOOR UNIT CURRENT (A)	7.5	10.1	11.9	13	13.4	13	11.9	10.1
		COMPRESSOR CURRENT (A)	7.5	10.1	11.9	13	13.4	13	11.9	10.1
	INDOOR COIL TEMP DROP (°F)	24	24	24	23	22	20	18	15	
	1200	LIQUID PRESSURE (PSIG)	227	260	296	334	374	416	460	507
		LIQUID TEMPERATURE (°F)	68	77	85	95	105	114	123	133
		LIQUID SUBCOOLING (°F)	10	10	10	9	7	6	4	2
		SUCTION PRESSURE (PSIG)	119	118	119	122	128	136	146	159
		SUCTION TEMPERATURE (°F)	43	43	43	45	46	49	52	56
		SUCTION SUPERHEAT (°F)	3	3	3	3	2	2	1	1
		OUTDOOR UNIT CURRENT (A)	7.6	10.2	12	13.1	13.5	13.1	12	10.2
		COMPRESSOR CURRENT (A)	7.6	10.2	12	13.1	13.5	13.1	12.0	10.2
	INDOOR COIL TEMP DROP (°F)	22	22	22	21	20	18	16	13	
	1400	LIQUID PRESSURE (PSIG)	229	262	298	336	376	418	462	509
		LIQUID TEMPERATURE (°F)	74	83	92	101	111	120	128	135
		LIQUID SUBCOOLING (°F)	4	4	4	3	1	0	0	0
		SUCTION PRESSURE (PSIG)	122	121	122	125	131	139	149	162
		SUCTION TEMPERATURE (°F)	45	44	45	46	47	51	54	57
		SUCTION SUPERHEAT (°F)	3	3	3	3	2	2	1	1
OUTDOOR UNIT CURRENT (A)		7.7	10.3	12.1	13.2	13.6	13.2	12.1	10.3	
COMPRESSOR CURRENT (A)		7.7	10.3	12.1	13.2	13.6	13.2	12.1	10.3	
INDOOR COIL TEMP DROP (°F)	20	20	20	19	18	16	14	11		

Continued on next page.

YHM36B21S W/ NOMINAL 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)	214	242	275	313	356	404	458	516
		LIQUID TEMPERATURE (°F)	72	81	90	99	108	118	127	137
		LIQUID SUBCOOLING (°F)	2	1	0	0	0	0	0	0
		SUCTION PRESSURE (PSIG)	108	108	110	115	121	130	141	155
		SUCTION TEMPERATURE (°F)	36	36	37	40	42	46	50	56
		SUCTION SUPERHEAT (°F)	1	1	1	1	1	1	1	1
		OUTDOOR UNIT CURRENT (A)	7.4	9.5	11.2	12.4	13.2	13.4	13.3	12.6
		COMPRESSOR CURRENT (A)	7.4	9.5	11.2	12.4	13.2	13.4	13.3	12.6
	INDOOR COIL TEMP DROP (°F)	31	31	31	30	28	26	23	19	
	1200	LIQUID PRESSURE (PSIG)	218	246	279	317	360	408	462	520
		LIQUID TEMPERATURE (°F)	71	80	89	98	108	117	127	136
		LIQUID SUBCOOLING (°F)	4	3	2	2	1	1	1	1
		SUCTION PRESSURE (PSIG)	113	113	115	120	126	135	146	160
		SUCTION TEMPERATURE (°F)	39	39	40	42	44	48	52	58
		SUCTION SUPERHEAT (°F)	1	1	1	1	1	1	1	1
		OUTDOOR UNIT CURRENT (A)	7.5	9.6	11.3	12.5	13.3	13.5	13.4	12.7
		COMPRESSOR CURRENT (A)	7.5	9.6	11.3	12.5	13.3	13.5	13.4	12.7
	INDOOR COIL TEMP DROP (°F)	28	28	28	27	25	23	20	16	
	1400	LIQUID PRESSURE (PSIG)	222	250	283	321	364	412	466	524
		LIQUID TEMPERATURE (°F)	74	83	92	101	110	119	128	138
		LIQUID SUBCOOLING (°F)	2	1	1	1	1	1	1	1
		SUCTION PRESSURE (PSIG)	118	118	120	125	131	140	151	165
		SUCTION TEMPERATURE (°F)	41	41	42	44	46	50	54	59
		SUCTION SUPERHEAT (°F)	1	1	1	1	1	1	1	1
		OUTDOOR UNIT CURRENT (A)	7.6	9.7	11.4	12.6	13.4	13.6	13.5	12.8
		COMPRESSOR CURRENT (A)	7.6	9.7	11.4	12.6	13.4	13.6	13.5	12.8
	INDOOR COIL TEMP DROP (°F)	25	25	25	24	22	20	17	13	
	80/62	1000	LIQUID PRESSURE (PSIG)	222	253	288	326	367	412	460
LIQUID TEMPERATURE (°F)			68	77	86	96	105	115	123	133
LIQUID SUBCOOLING (°F)			8	8	7	6	5	4	4	3
SUCTION PRESSURE (PSIG)			116	114	115	118	125	135	148	164
SUCTION TEMPERATURE (°F)			41	40	41	41	44	48	53	59
SUCTION SUPERHEAT (°F)			2	2	2	1	1	1	1	1
OUTDOOR UNIT CURRENT (A)			7.5	10	11.8	12.9	13.3	13	11.9	10.2
COMPRESSOR CURRENT (A)			7.5	10	11.8	12.9	13.3	13	11.9	10.2
INDOOR COIL TEMP DROP (°F)		27	28	29	28	26	24	21	16	
1200		LIQUID PRESSURE (PSIG)	225	256	291	329	370	415	463	514
		LIQUID TEMPERATURE (°F)	68	76	86	96	105	115	123	132
		LIQUID SUBCOOLING (°F)	9	9	8	7	6	5	5	4
		SUCTION PRESSURE (PSIG)	119	117	118	121	128	138	151	167
		SUCTION TEMPERATURE (°F)	42	41	42	42	45	49	54	60
		SUCTION SUPERHEAT (°F)	2	2	2	1	1	1	1	1
		OUTDOOR UNIT CURRENT (A)	7.6	10.1	11.9	13	13.4	13.1	12	10.3
		COMPRESSOR CURRENT (A)	7.6	10.1	11.9	13	13.4	13.1	12	10.3
INDOOR COIL TEMP DROP (°F)		25	26	27	26	24	22	19	14	
1400		LIQUID PRESSURE (PSIG)	228	259	294	332	373	418	466	517
		LIQUID TEMPERATURE (°F)	76	84	94	103	112	120	128	137
		LIQUID SUBCOOLING (°F)	2	2	1	0	0	0	0	0
		SUCTION PRESSURE (PSIG)	122	120	121	124	131	141	154	170
		SUCTION TEMPERATURE (°F)	44	43	43	44	46	50	55	61
		SUCTION SUPERHEAT (°F)	2	2	2	1	1	1	1	1
		OUTDOOR UNIT CURRENT (A)	7.7	10.2	12	13.1	13.5	13.2	12.1	10.4
		COMPRESSOR CURRENT (A)	7.7	10.2	12	13.1	13.5	13.2	12.1	10.4
INDOOR COIL TEMP DROP (°F)		23	24	25	24	22	20	17	12	

Continued on next page.

YHM36B21S W/ NOMINAL 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)	232	264	299	338	380	424	472	524
		LIQUID TEMPERATURE (°F)	68	78	86	96	105	113	122	131
		LIQUID SUBCOOLING (°F)	11	10	10	9	8	8	7	7
		SUCTION PRESSURE (PSIG)	127	126	127	130	134	141	150	161
		SUCTION TEMPERATURE (°F)	47	47	48	49	51	53	57	60
		SUCTION SUPERHEAT (°F)	3	4	4	4	4	4	4	3
		OUTDOOR UNIT CURRENT (A)	7.7	10.3	12.1	13.3	13.7	13.4	12.3	10.5
		COMPRESSOR CURRENT (A)	7.7	10.3	12.1	13.3	13.7	13.4	12.3	10.5
	INDOOR COIL TEMP DROP (°F)	23	23	23	23	22	20	19	16	
	1200	LIQUID PRESSURE (PSIG)	233	265	300	339	381	425	473	525
		LIQUID TEMPERATURE (°F)	68	78	86	96	105	113	123	131
		LIQUID SUBCOOLING (°F)	11	10	10	9	8	8	7	7
		SUCTION PRESSURE (PSIG)	130	129	130	133	137	144	153	164
		SUCTION TEMPERATURE (°F)	49	50	50	51	53	56	59	62
		SUCTION SUPERHEAT (°F)	4	5	5	5	5	5	5	4
		OUTDOOR UNIT CURRENT (A)	7.7	10.3	12.1	13.3	13.7	13.4	12.3	10.5
		COMPRESSOR CURRENT (A)	7.7	10.3	12.1	13.3	13.7	13.4	12.3	10.5
	INDOOR COIL TEMP DROP (°F)	21	21	21	21	20	18	17	14	
	1400	LIQUID PRESSURE (PSIG)	234	266	301	340	382	426	474	526
		LIQUID TEMPERATURE (°F)	78	87	95	105	113	122	130	138
		LIQUID SUBCOOLING (°F)	2	1	1	1	1	1	1	1
		SUCTION PRESSURE (PSIG)	133	132	133	136	140	147	156	167
		SUCTION TEMPERATURE (°F)	51	52	52	53	55	58	61	64
		SUCTION SUPERHEAT (°F)	5	6	6	6	6	6	6	5
		OUTDOOR UNIT CURRENT (A)	7.7	10.3	12.1	13.3	13.7	13.4	12.3	10.5
		COMPRESSOR CURRENT (A)	7.7	10.3	12.1	13.3	13.7	13.4	12.3	10.5
	INDOOR COIL TEMP DROP (°F)	19	19	19	19	18	16	15	12	
	80/72	1000	LIQUID PRESSURE (PSIG)	237	270	305	344	385	430	477
LIQUID TEMPERATURE (°F)			69	78	86	96	104	112	121	130
LIQUID SUBCOOLING (°F)			11	11	11	10	10	10	9	8
SUCTION PRESSURE (PSIG)			139	138	139	142	147	155	165	177
SUCTION TEMPERATURE (°F)			57	55	56	57	59	61	64	68
SUCTION SUPERHEAT (°F)			8	7	7	7	7	6	6	6
OUTDOOR UNIT CURRENT (A)			7.6	10.3	12.3	13.5	13.9	13.5	12.4	10.5
COMPRESSOR CURRENT (A)			7.6	10.3	12.3	13.5	13.9	13.5	12.4	10.5
INDOOR COIL TEMP DROP (°F)		18	18	18	18	17	15	14	12	
1200		LIQUID PRESSURE (PSIG)	238	271	306	345	386	431	478	528
		LIQUID TEMPERATURE (°F)	70	78	87	96	104	112	121	130
		LIQUID SUBCOOLING (°F)	11	11	11	10	10	10	9	8
		SUCTION PRESSURE (PSIG)	143	142	143	146	151	159	169	181
		SUCTION TEMPERATURE (°F)	58	57	57	58	60	62	66	70
		SUCTION SUPERHEAT (°F)	8	7	7	7	7	6	6	6
		OUTDOOR UNIT CURRENT (A)	7.6	10.3	12.3	13.5	13.9	13.5	12.4	10.5
		COMPRESSOR CURRENT (A)	7.6	10.3	12.3	13.5	13.9	13.5	12.4	10.5
INDOOR COIL TEMP DROP (°F)		16	16	16	16	15	13	12	10	
1400		LIQUID PRESSURE (PSIG)	239	272	307	346	387	432	479	529
		LIQUID TEMPERATURE (°F)	75	84	92	101	109	118	127	136
		LIQUID SUBCOOLING (°F)	6	6	6	5	5	5	4	3
		SUCTION PRESSURE (PSIG)	147	146	147	150	155	163	173	185
		SUCTION TEMPERATURE (°F)	60	58	59	60	62	64	67	71
		SUCTION SUPERHEAT (°F)	8	7	7	7	7	6	6	6
		OUTDOOR UNIT CURRENT (A)	7.6	10.3	12.3	13.5	13.9	13.5	12.4	10.5
		COMPRESSOR CURRENT (A)	7.6	10.3	12.3	13.5	13.9	13.5	12.4	10.5
INDOOR COIL TEMP DROP (°F)		14	14	14	14	13	11	10	8	

YHM36B21S W/ NOMINAL COIL

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1000	SUCTION PRESS (PSIG)	112	101	91	76	60	39
		SUCTION TEMP (F)	181	145	141	136	128	100
		SUCTION SUPERHEAT (F)	14	11	11	12	12	11
		LIQUID SUBCOOLING (F)	21	21	22	24	27	25
		LIQUID PRESS (PSIG)	433	332	319	301	276	241
		LIQUID TEMP(F)	102	82	79	72	64	56
		ID AIR DB TEMP. RISE	48	31	29	25	21	15
		TOTAL / COMPR. AMPS	22 / 22	12 / 12	11 / 11	11 / 11	10 / 10	9 / 9
	1200	SUCTION PRESS (PSIG)	111	101	90	76	59	43
		SUCTION TEMP (F)	174	139	136	132	125	105
		SUCTION SUPERHEAT (F)	14	11	11	11	12	11
		LIQUID SUBCOOLING (F)	20	20	21	23	26	25
		LIQUID PRESS (PSIG)	401	313	302	286	265	239
		LIQUID TEMP(F)	97	79	76	69	62	56
		ID AIR DB TEMP. RISE	42	27	25	22	18	14
		TOTAL / COMPR. AMPS	21 / 21	11 / 11	11 / 11	10 / 10	10 / 10	9 / 9
	1400	SUCTION PRESS (PSIG)	111	100	89	75	59	48
		SUCTION TEMP (F)	166	134	131	127	122	109
		SUCTION SUPERHEAT (F)	13	10	11	11	11	11
		LIQUID SUBCOOLING (F)	19	19	20	22	25	25
		LIQUID PRESS (PSIG)	368	295	284	271	253	237
		LIQUID TEMP(F)	92	76	73	67	60	56
		ID AIR DB TEMP. RISE	36	23	21	19	15	13
		TOTAL / COMPR. AMPS	20 / 20	11 / 11	10 / 10	10 / 10	9 / 9	9 / 9
70	1000	SUCTION PRESS (PSIG)	114	103	92	77	60	44
		SUCTION TEMP (F)	189	156	152	147	140	118
		SUCTION SUPERHEAT (F)	15	12	13	13	13	13
		LIQUID SUBCOOLING (F)	21	21	23	25	28	28
		LIQUID PRESS (PSIG)	473	377	363	343	317	288
		LIQUID TEMP(F)	109	91	87	80	72	65
		ID AIR DB TEMP. RISE	46	30	28	24	20	15
		TOTAL / COMPR. AMPS	23 / 23	13 / 13	12 / 12	12 / 12	11 / 11	10 / 10
	1200	SUCTION PRESS (PSIG)	113	102	91	77	60	47
		SUCTION TEMP (F)	182	151	148	143	136	120
		SUCTION SUPERHEAT (F)	15	12	12	13	13	12
		LIQUID SUBCOOLING (F)	20	21	22	24	27	27
		LIQUID PRESS (PSIG)	443	357	345	327	304	283
		LIQUID TEMP(F)	104	88	84	78	70	65
		ID AIR DB TEMP. RISE	40	26	24	21	17	14
		TOTAL / COMPR. AMPS	22 / 22	12 / 12	12 / 12	11 / 11	10 / 10	10 / 10
	1400	SUCTION PRESS (PSIG)	112	101	91	76	60	49
		SUCTION TEMP (F)	176	146	143	139	133	122
		SUCTION SUPERHEAT (F)	14	11	12	12	13	12
		LIQUID SUBCOOLING (F)	19	20	21	23	26	27
		LIQUID PRESS (PSIG)	413	337	326	311	292	278
		LIQUID TEMP(F)	100	84	82	75	69	64
		ID AIR DB TEMP. RISE	35	22	21	18	15	12
		TOTAL / COMPR. AMPS	21 / 21	11 / 13	11 / 11	11 / 11	10 / 10	10 / 10

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YHM36B21S W/ NOMINAL COIL (Continued)

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
80	1000	SUCTION PRESS (PSIG)	116	104	93	78	60	49
		SUCTION TEMP (F)	196	167	164	159	151	136
		SUCTION SUPERHEAT (F)	16	13	14	14	14	14
		LIQUID SUBCOOLING (F)	21	21	23	25	28	30
		LIQUID PRESS (PSIG)	513	422	407	385	357	336
		LIQUID TEMP(F)	115	100	95	89	80	74
		ID AIR DB TEMP. RISE	43	30	27	24	19	16
		TOTAL / COMPR. AMPS	23 / 23	14 / 14	13 / 13	12 / 12	11 / 11	11 / 11
	1200	SUCTION PRESS (PSIG)	115	103	93	77	60	50
		SUCTION TEMP (F)	191	162	159	154	147	136
		SUCTION SUPERHEAT (F)	15	13	13	14	14	13
		LIQUID SUBCOOLING (F)	20	21	22	24	27	29
		LIQUID PRESS (PSIG)	485	401	387	368	344	327
		LIQUID TEMP(F)	112	96	93	87	79	73
		ID AIR DB TEMP. RISE	38	26	24	21	17	14
		TOTAL / COMPR. AMPS	23 / 23	13 / 13	13 / 13	12 / 12	11 / 11	11 / 11
	1400	SUCTION PRESS (PSIG)	113	102	92	77	60	51
		SUCTION TEMP (F)	186	157	154	150	144	135
		SUCTION SUPERHEAT (F)	15	12	13	13	14	13
		LIQUID SUBCOOLING (F)	19	20	21	23	26	28
		LIQUID PRESS (PSIG)	457	379	368	351	331	319
		LIQUID TEMP(F)	108	93	90	84	77	72
		ID AIR DB TEMP. RISE	34	22	20	17	14	12
		TOTAL / COMPR. AMPS	22 / 22	13 / 13	12 / 12	12 / 12	10 / 10	10 / 10

FOR USE WITH MODELS WITH TXV:

YHM48B21S

CH16B4821SA

TH16B4821SA

IMPORTANT

The main control must be moved to "H", which will lock it into 100% capacity for charge and operation evaluation before the below numbers will apply.

This data is only applicable when the main control is put on "H". If the main control jumper is not moved to "H" the data will not be applicable. After system evaluation remember to return the jumper to its normal orientation position.

YHM48B21S SUBCOOLING CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUBCOOLING (°F) AT LIQUID BASE VALVE			
55	204(11)	207(11)	211(12)	214(12)
60	223(12)	226(12)	231(12)	233(12)
65	243(12)	246(12)	251(12)	253(12)
70	264(12)	267(12)	272(12)	274(12)
75	285(12)	288(12)	293(12)	295(12)
80	308(13)	310(12)	315(12)	317(12)
85	330(13)	333(12)	337(12)	339(12)
90	354(13)	356(12)	360(12)	362(12)
95	378(12)	380(12)	384(12)	386(12)
100	402(12)	404(12)	408(12)	410(11)
105	428(12)	429(12)	433(11)	434(11)
110	454(12)	455(11)	458(11)	460(11)
115	481(11)	481(11)	484(11)	485(10)
120	508(11)	508(11)	510(10)	512(10)
125	536(10)	536(10)	538(10)	539(10)

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

Charging chart is for use in Cooling mode only.

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

YHM48B21S 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)	207	246	287	331	378	427	478	532
		LIQUID TEMPERATURE (°F)	61	71	80	90	101	110	119	129
		LIQUID SUBCOOLING (°F)	11	12	13	13	12	12	11	10
		SUCTION PRESSURE (PSIG)	106	107	108	112	117	123	131	141
		SUCTION TEMPERATURE (°F)	42	44	45	48	51	56	61	68
		SUCTION SUPERHEAT (°F)	8	9	10	11	12	14	16	19
		OUTDOOR UNIT CURRENT (A)	12.0	14.4	16.2	17.4	18	17.9	17.3	16
		COMPRESSOR CURRENT (A)	12.0	14.4	16.2	17.4	18	17.9	17.3	16
	INDOOR COIL TEMP DROP (°F)	26	26	26	25	24	23	21	19	
	1400	LIQUID PRESSURE (PSIG)	208	247	288	332	379	428	479	533
		LIQUID TEMPERATURE (°F)	61	71	80	90	101	110	120	129
		LIQUID SUBCOOLING (°F)	11	12	13	13	12	12	11	10
		SUCTION PRESSURE (PSIG)	109	110	111	115	120	126	134	144
		SUCTION TEMPERATURE (°F)	44	45	47	50	53	57	63	70
		SUCTION SUPERHEAT (°F)	8	9	10	11	12	14	16	19
		OUTDOOR UNIT CURRENT (A)	12.0	14.4	16.2	17.4	18	17.9	17.3	16
		COMPRESSOR CURRENT (A)	12.0	14.4	16.2	17.4	18.0	17.9	17.3	16.0
	INDOOR COIL TEMP DROP (°F)	24	24	24	23	22	21	19	17	
	1600	LIQUID PRESSURE (PSIG)	209	248	289	333	380	429	480	534
		LIQUID TEMPERATURE (°F)	62	71	81	90	101	110	120	129
		LIQUID SUBCOOLING (°F)	11	12	13	13	12	12	11	10
		SUCTION PRESSURE (PSIG)	112	113	114	118	123	129	137	147
		SUCTION TEMPERATURE (°F)	45	47	48	51	54	59	64	71
		SUCTION SUPERHEAT (°F)	8	9	10	11	12	14	16	19
OUTDOOR UNIT CURRENT (A)		12.0	14.4	16.2	17.4	18	17.9	17.3	16	
COMPRESSOR CURRENT (A)		12.0	14.4	16.2	17.4	18.0	17.9	17.3	16.0	
INDOOR COIL TEMP DROP (°F)	22	22	22	21	20	19	17	15		

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YHM48B21S W/ NOMINAL 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)	205	244	286	330	378	428	481	537
		LIQUID TEMPERATURE (°F)	60	70	81	90	101	110	120	130
		LIQUID SUBCOOLING (°F)	11	12	12	13	12	12	11	10
		SUCTION PRESSURE (PSIG)	102	100	101	104	110	119	130	144
		SUCTION TEMPERATURE (°F)	41	41	43	46	50	56	62	69
		SUCTION SUPERHEAT (°F)	8	9	11	13	14	16	17	18
		OUTDOOR UNIT CURRENT (A)	12.1	14.4	16.2	17.4	18	18	17.4	16.3
		COMPRESSOR CURRENT (A)	12.1	14.4	16.2	17.4	18	18	17.4	16.3
	INDOOR COIL TEMP DROP (°F)	31	32	32	31	30	28	24	20	
	1400	LIQUID PRESSURE (PSIG)	205	244	286	330	378	428	481	537
		LIQUID TEMPERATURE (°F)	60	70	81	90	101	110	120	130
		LIQUID SUBCOOLING (°F)	11	12	12	13	12	12	11	10
		SUCTION PRESSURE (PSIG)	106	104	105	108	114	123	134	148
		SUCTION TEMPERATURE (°F)	43	43	46	49	53	59	65	71
		SUCTION SUPERHEAT (°F)	9	10	12	14	15	17	18	19
		OUTDOOR UNIT CURRENT (A)	12.1	14.4	16.2	17.4	18	18	17.4	16.3
		COMPRESSOR CURRENT (A)	12.1	14.4	16.2	17.4	18	18	17.4	16.3
	INDOOR COIL TEMP DROP (°F)	29	30	30	29	28	26	22	18	
	1600	LIQUID PRESSURE (PSIG)	205	244	286	330	378	428	481	537
		LIQUID TEMPERATURE (°F)	60	70	81	90	101	110	120	130
		LIQUID SUBCOOLING (°F)	11	12	12	13	12	12	11	10
		SUCTION PRESSURE (PSIG)	110	108	109	112	118	127	138	152
		SUCTION TEMPERATURE (°F)	46	46	49	52	56	62	67	74
		SUCTION SUPERHEAT (°F)	10	11	13	15	16	18	19	20
OUTDOOR UNIT CURRENT (A)		12.1	14.4	16.2	17.4	18	18	17.4	16.3	
COMPRESSOR CURRENT (A)		12.1	14.4	16.2	17.4	18	18	17.4	16.3	
INDOOR COIL TEMP DROP (°F)	27	28	28	27	26	24	20	16		
80/62	1200	LIQUID PRESSURE (PSIG)	207	246	288	333	380	429	481	536
		LIQUID TEMPERATURE (°F)	61	71	81	91	101	110	120	130
		LIQUID SUBCOOLING (°F)	11	12	12	12	12	12	11	10
		SUCTION PRESSURE (PSIG)	105	105	107	111	116	124	133	144
		SUCTION TEMPERATURE (°F)	43	43	44	48	51	57	62	70
		SUCTION SUPERHEAT (°F)	9	9	9	11	12	14	16	19
		OUTDOOR UNIT CURRENT (A)	12.1	14.5	16.4	17.6	18.2	18.2	17.6	16.4
		COMPRESSOR CURRENT (A)	12.1	14.5	16.3	17.6	18.2	18.2	17.6	16.4
	INDOOR COIL TEMP DROP (°F)	31	31	30	29	28	26	24	21	
	1400	LIQUID PRESSURE (PSIG)	207	246	288	333	380	429	481	536
		LIQUID TEMPERATURE (°F)	61	71	81	91	101	110	120	130
		LIQUID SUBCOOLING (°F)	11	12	12	12	12	12	11	10
		SUCTION PRESSURE (PSIG)	109	109	111	115	120	128	137	148
		SUCTION TEMPERATURE (°F)	45	45	46	50	53	58	64	71
		SUCTION SUPERHEAT (°F)	9	9	9	11	12	14	16	19
		OUTDOOR UNIT CURRENT (A)	12.1	14.5	16.4	17.6	18.2	18.2	17.6	16.4
		COMPRESSOR CURRENT (A)	12.1	14.5	16.3	17.6	18.2	18.2	17.6	16.4
	INDOOR COIL TEMP DROP (°F)	29	29	28	27	26	24	22	19	
	1600	LIQUID PRESSURE (PSIG)	207	246	288	333	380	429	481	536
		LIQUID TEMPERATURE (°F)	61	71	81	91	101	110	120	130
		LIQUID SUBCOOLING (°F)	11	12	12	12	12	12	11	10
		SUCTION PRESSURE (PSIG)	113	113	115	119	124	132	141	152
		SUCTION TEMPERATURE (°F)	48	48	49	52	56	61	66	74
		SUCTION SUPERHEAT (°F)	10	10	10	12	13	15	17	20
OUTDOOR UNIT CURRENT (A)		12.1	14.5	16.4	17.6	18.2	18.2	17.6	16.4	
COMPRESSOR CURRENT (A)		12.1	14.5	16.3	17.6	18.2	18.2	17.6	16.4	
INDOOR COIL TEMP DROP (°F)	27	27	26	25	24	22	20	17		

Continued on next page.

YHM48B21S W/ NOMINAL 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)	210	250	292	336	383	432	483	537
		LIQUID TEMPERATURE (°F)	61	72	82	92	102	112	120	130
		LIQUID SUBCOOLING (°F)	12	12	12	12	12	11	11	10
		SUCTION PRESSURE (PSIG)	116	117	119	123	128	135	143	153
		SUCTION TEMPERATURE (°F)	49	49	50	52	55	60	64	71
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	13	14	17
		OUTDOOR UNIT CURRENT (A)	12.1	14.6	16.5	17.7	18.3	18.3	17.5	16.2
		COMPRESSOR CURRENT (A)	12.1	14.6	16.5	17.7	18.3	18.2	17.5	16.2
	INDOOR COIL TEMP DROP (°F)	26	26	25	25	24	22	21	19	
	1400	LIQUID PRESSURE (PSIG)	211	251	293	337	384	433	484	538
		LIQUID TEMPERATURE (°F)	61	72	83	92	102	112	120	130
		LIQUID SUBCOOLING (°F)	12	12	12	12	12	11	11	10
		SUCTION PRESSURE (PSIG)	119	120	122	126	131	138	146	156
		SUCTION TEMPERATURE (°F)	50	51	52	53	56	61	65	72
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	13	14	17
		OUTDOOR UNIT CURRENT (A)	12.1	14.6	16.5	17.7	18.3	18.3	17.5	16.2
		COMPRESSOR CURRENT (A)	12.1	14.6	16.5	17.7	18.3	18.2	17.5	16.2
	INDOOR COIL TEMP DROP (°F)	24	24	23	23	22	20	19	17	
	1600	LIQUID PRESSURE (PSIG)	212	252	294	338	385	434	485	539
		LIQUID TEMPERATURE (°F)	61	72	83	93	102	112	121	130
		LIQUID SUBCOOLING (°F)	12	12	12	12	12	11	11	10
		SUCTION PRESSURE (PSIG)	122	123	125	129	134	141	149	159
		SUCTION TEMPERATURE (°F)	52	52	53	55	58	62	67	73
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	13	14	17
OUTDOOR UNIT CURRENT (A)		12.1	14.6	16.5	17.7	18.3	18.3	17.5	16.2	
COMPRESSOR CURRENT (A)		12.1	14.6	16.5	17.7	18.3	18.2	17.5	16.2	
INDOOR COIL TEMP DROP (°F)	22	22	21	21	20	18	17	15		
80/72	1200	LIQUID PRESSURE (PSIG)	213	252	294	338	385	433	484	538
		LIQUID TEMPERATURE (°F)	62	72	83	93	102	112	121	130
		LIQUID SUBCOOLING (°F)	12	12	12	12	12	11	10	10
		SUCTION PRESSURE (PSIG)	122	125	128	133	139	147	155	165
		SUCTION TEMPERATURE (°F)	59	56	55	55	58	62	67	73
		SUCTION SUPERHEAT (°F)	17	13	11	9	9	10	12	15
		OUTDOOR UNIT CURRENT (A)	12.1	14.7	16.6	17.9	18.5	18.4	17.7	16.3
		COMPRESSOR CURRENT (A)	12.1	14.7	16.6	17.9	18.5	18.4	17.7	16.2
	INDOOR COIL TEMP DROP (°F)	20	20	20	19	18	17	16	14	
	1400	LIQUID PRESSURE (PSIG)	214	253	295	339	386	434	485	539
		LIQUID TEMPERATURE (°F)	62	73	83	93	102	112	122	130
		LIQUID SUBCOOLING (°F)	12	12	12	12	12	11	10	10
		SUCTION PRESSURE (PSIG)	125	128	131	136	142	150	158	168
		SUCTION TEMPERATURE (°F)	60	57	56	56	59	63	68	74
		SUCTION SUPERHEAT (°F)	17	13	11	9	9	10	12	15
		OUTDOOR UNIT CURRENT (A)	12.1	14.7	16.6	17.9	18.5	18.4	17.7	16.3
		COMPRESSOR CURRENT (A)	12.1	14.7	16.6	17.9	18.5	18.4	17.7	16.2
	INDOOR COIL TEMP DROP (°F)	19	19	19	18	17	16	15	13	
	1600	LIQUID PRESSURE (PSIG)	215	254	296	340	387	435	486	540
		LIQUID TEMPERATURE (°F)	62	73	83	93	102	112	122	130
		LIQUID SUBCOOLING (°F)	12	12	12	12	12	11	10	10
		SUCTION PRESSURE (PSIG)	128	131	134	139	145	153	161	171
		SUCTION TEMPERATURE (°F)	62	59	59	59	61	65	70	76
		SUCTION SUPERHEAT (°F)	18	14	12	10	10	11	13	16
OUTDOOR UNIT CURRENT (A)		12.1	14.7	16.6	17.9	18.5	18.4	17.7	16.3	
COMPRESSOR CURRENT (A)		12.1	14.7	16.6	17.9	18.5	18.4	17.7	16.2	
INDOOR COIL TEMP DROP (°F)	18	18	18	17	16	15	14	12		

YHM48B21S W/ NOMINAL COIL

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1200	SUCTION PRESS (PSIG)	107	86	75	59	47	39
		SUCTION TEMP(F)	35	24	18	8	-1	-8
		SUCTION SUPERHEAT(F)	20	19	17	17	18	18
		LIQUID SUBCOOLING(F)	22	25	27	28	31	32
		LIQUID PRESS (PSIG)	392	360	342	313	292	278
		LIQUID TEMP(F)	94	84	79	71	64	59
		ID AIR DB TEMP. RISE	45	39	35	30	25	22
	TOTAL / COMPR. AMPS	23 / 23	20 / 20	19 / 19	18 / 18	17 / 17	15 / 15	
	1400	SUCTION PRESS (PSIG)	106	85	75	60	46	39
		SUCTION TEMP(F)	34	24	18	8	-2	-8
		SUCTION SUPERHEAT(F)	20	19	18	18	18	18
		LIQUID SUBCOOLING(F)	21	24	25	27	30	31
		LIQUID PRESS (PSIG)	366	338	323	299	281	269
		LIQUID TEMP(F)	89	80	76	69	62	57
		ID AIR DB TEMP. RISE	40	34	31	27	22	20
	TOTAL / COMPR. AMPS	22 / 22	20 / 20	19 / 19	17 / 17	16 / 16	15 / 15	
	1600	SUCTION PRESS (PSIG)	104	84	74	61	46	39
		SUCTION TEMP(F)	34	23	18	9	-2	-8
		SUCTION SUPERHEAT(F)	21	19	18	18	19	17
		LIQUID SUBCOOLING(F)	20	23	24	26	29	31
		LIQUID PRESS (PSIG)	341	317	305	286	270	259
LIQUID TEMP(F)		85	77	73	67	60	55	
ID AIR DB TEMP. RISE		38	30	27	23	19	17	
TOTAL / COMPR. AMPS	20 / 20	19 / 19	18 / 18	17 / 17	16 / 16	15 / 15		
70	1200	SUCTION PRESS (PSIG)	110	87	76	62	46	37
		SUCTION TEMP(F)	36	25	18	10	-2	-10
		SUCTION SUPERHEAT(F)	19	18	17	17	18	19
		LIQUID SUBCOOLING(F)	22	26	28	30	32	33
		LIQUID PRESS (PSIG)	432	407	387	363	333	315
		LIQUID TEMP(F)	101	92	86	79	71	66
		ID AIR DB TEMP. RISE	43	38	35	27	24	21
	TOTAL / COMPR. AMPS	24 / 24	22 / 22	21 / 21	19 / 19	18 / 18	16 / 16	
	1400	SUCTION PRESS (PSIG)	108	86	76	62	47	38
		SUCTION TEMP(F)	35	25	18	10	-1	-9
		SUCTION SUPERHEAT(F)	20	18	18	17	18	18
		LIQUID SUBCOOLING(F)	21	25	27	29	31	32
		LIQUID PRESS (PSIG)	409	384	369	347	323	307
		LIQUID TEMP(F)	97	89	84	77	70	65
		ID AIR DB TEMP. RISE	39	34	31	27	22	19
	TOTAL / COMPR. AMPS	23 / 23	21 / 21	20 / 20	19 / 19	17 / 17	16 / 16	
	1600	SUCTION PRESS (PSIG)	106	86	76	63	47	40
		SUCTION TEMP(F)	35	24	18	10	-1	-7
		SUCTION SUPERHEAT(F)	21	19	18	18	19	17
		LIQUID SUBCOOLING(F)	20	24	26	28	30	31
		LIQUID PRESS (PSIG)	386	361	350	331	312	299
LIQUID TEMP(F)		93	85	81	75	69	64	
ID AIR DB TEMP. RISE		36	30	27	23	19	17	
TOTAL / COMPR. AMPS	23 / 23	19 / 22	20 / 20	18 / 18	17 / 17	16 / 16		

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YHM48B21S W/ NOMINAL COIL (Continued)

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
80	1200	SUCTION PRESS (PSIG)	112	89	76	65	45	35
		SUCTION TEMP(F)	37	26	19	11	-3	-12
		SUCTION SUPERHEAT(F)	18	18	17	17	18	19
		LIQUID SUBCOOLING(F)	21	27	28	31	33	34
		LIQUID PRESS (PSIG)	472	453	433	412	374	351
		LIQUID TEMP(F)	108	100	94	88	79	74
		ID AIR DB TEMP. RISE	40	37	34	23	23	19
		TOTAL / COMPR. AMPS	25 / 25	24 / 24	23 / 23	21 / 21	19 / 19	17 / 17
	1400	SUCTION PRESS (PSIG)	110	88	77	64	47	38
		SUCTION TEMP(F)	36	25	19	11	-1	-9
		SUCTION SUPERHEAT(F)	19	18	17	17	18	18
		LIQUID SUBCOOLING(F)	21	25	28	30	32	32
		LIQUID PRESS (PSIG)	452	430	414	394	365	345
		LIQUID TEMP(F)	105	97	92	85	78	74
		ID AIR DB TEMP. RISE	37	33	30	26	21	18
		TOTAL / COMPR. AMPS	25 / 25	23 / 23	22 / 22	20 / 20	18 / 18	17 / 17
	1600	SUCTION PRESS (PSIG)	108	87	77	64	49	41
		SUCTION TEMP(F)	36	25	19	11	0	-7
		SUCTION SUPERHEAT(F)	20	18	18	17	18	17
		LIQUID SUBCOOLING(F)	21	24	27	29	31	31
		LIQUID PRESS (PSIG)	432	406	395	376	355	339
		LIQUID TEMP(F)	101	94	89	83	77	74
		ID AIR DB TEMP. RISE	33	29	26	23	19	16
		TOTAL / COMPR. AMPS	25 / 25	22 / 22	21 / 21	20 / 20	18 / 18	17 / 17

FOR USE WITH MODELS WITH TXV:

YHM60B21S**CH16B6021SA****TH16B6021SA****IMPORTANT**

The main control must be moved to "H", which will lock it into 100% capacity for charge and operation evaluation before the below numbers will apply.

This data is only applicable when the main control is put on "H". If the main control jumper is not moved to "H" the data will not be applicable. After system evaluation remember to return the jumper to its normal orientation position.

YHM60B21S 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	206(9)	209(9)	211(8)	212(8)
60	225(9)	228(9)	230(9)	232(8)
65	244(9)	247(9)	249(9)	252(8)
70	264(9)	267(10)	269(9)	272(9)
75	285(10)	287(10)	289(9)	294(9)
80	306(10)	308(10)	311(9)	315(9)
85	328(10)	330(10)	332(10)	338(9)
90	351(9)	352(10)	354(10)	360(9)
95	374(9)	374(10)	377(9)	384(9)
100	398(9)	398(10)	401(9)	408(9)
105	423(9)	422(9)	424(9)	432(9)
110	448(8)	446(9)	449(9)	457(9)
115	475(8)	471(9)	474(9)	482(8)
120	502(7)	497(8)	499(8)	509(8)
125	529(7)	523(7)	526(8)	535(8)

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

Charging chart is for use in Cooling mode only.

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

YHM60B21S 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	1600	LIQUID PRESSURE (PSIG)	208	245	285	328	373	422	472	526
		LIQUID TEMPERATURE (°F)	63	74	83	92	102	111	120	130
		LIQUID SUBCOOLING (°F)	9	9	10	10	10	10	9	8
		SUCTION PRESSURE (PSIG)	114	115	116	119	123	129	135	143
		SUCTION TEMPERATURE (°F)	47	49	49	51	53	56	58	61
		SUCTION SUPERHEAT (°F)	9	10	10	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	13.3	15.7	17.6	18.9	19.7	20	19.7	18.9
		COMPRESSOR CURRENT (A)	13.2	15.7	17.6	18.9	19.7	20	19.7	18.8
		INDOOR COIL TEMP DROP (°F)	25	24	24	23	22	21	19	18
	1800	LIQUID PRESSURE (PSIG)	209	246	286	329	374	423	473	527
		LIQUID TEMPERATURE (°F)	64	74	83	93	102	111	121	130
		LIQUID SUBCOOLING (°F)	9	9	10	10	10	10	9	8
		SUCTION PRESSURE (PSIG)	116	117	118	121	125	131	137	145
		SUCTION TEMPERATURE (°F)	48	49	50	52	54	56	59	62
		SUCTION SUPERHEAT (°F)	9	10	10	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	13.3	15.7	17.6	18.9	19.7	20	19.7	18.9
		COMPRESSOR CURRENT (A)	13.2	15.7	17.6	18.9	19.7	20.0	19.7	18.8
		INDOOR COIL TEMP DROP (°F)	24	23	23	22	21	20	18	17
	2000	LIQUID PRESSURE (PSIG)	210	247	287	330	375	424	474	528
		LIQUID TEMPERATURE (°F)	64	74	83	93	102	111	121	130
		LIQUID SUBCOOLING (°F)	9	9	10	10	10	10	9	8
		SUCTION PRESSURE (PSIG)	118	119	120	123	127	133	139	147
		SUCTION TEMPERATURE (°F)	49	50	51	53	55	57	60	63
		SUCTION SUPERHEAT (°F)	9	10	10	11	11	11	11	11
OUTDOOR UNIT CURRENT (A)		13.3	15.7	17.6	18.9	19.7	20	19.7	18.9	
COMPRESSOR CURRENT (A)		13.2	15.7	17.6	18.9	19.7	20.0	19.7	18.8	
INDOOR COIL TEMP DROP (°F)		23	22	22	21	20	19	17	16	

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YHM60B21S W/ NOMINAL 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	1600	LIQUID PRESSURE (PSIG)	212	277	337	391	440	484	521	554
		LIQUID TEMPERATURE (°F)	65	83	96	107	117	124	130	136
		LIQUID SUBCOOLING (°F)	8	8	8	8	7	7	7	6
		SUCTION PRESSURE (PSIG)	106	116	125	134	143	150	158	165
		SUCTION TEMPERATURE (°F)	42	50	56	62	67	71	74	76
		SUCTION SUPERHEAT (°F)	8	11	13	15	17	18	18	18
		OUTDOOR UNIT CURRENT (A)	12.8	13.8	14.5	15.1	15.4	15.5	15.4	15
		COMPRESSOR CURRENT (A)	12.7	13.7	14.5	15.1	15.4	15.5	15.4	15
	INDOOR COIL TEMP DROP (°F)	31	29	26	23	21	19	18	16	
	1800	LIQUID PRESSURE (PSIG)	194	259	319	373	422	466	503	536
		LIQUID TEMPERATURE (°F)	59	77	91	103	113	120	126	133
		LIQUID SUBCOOLING (°F)	9	9	9	9	8	8	8	7
		SUCTION PRESSURE (PSIG)	104	114	123	132	141	148	156	163
		SUCTION TEMPERATURE (°F)	41	49	55	61	66	70	73	76
		SUCTION SUPERHEAT (°F)	8	11	13	15	17	18	18	18
		OUTDOOR UNIT CURRENT (A)	13.4	14.4	15.1	15.7	16	16.1	16	15.6
		COMPRESSOR CURRENT (A)	13.3	14.3	15.1	15.7	16	16.1	16	15.6
	INDOOR COIL TEMP DROP (°F)	31	29	26	23	21	19	18	16	
	2000	LIQUID PRESSURE (PSIG)	176	241	301	355	404	448	485	518
		LIQUID TEMPERATURE (°F)	53	73	87	99	110	117	124	130
		LIQUID SUBCOOLING (°F)	9	9	9	9	8	8	8	7
		SUCTION PRESSURE (PSIG)	102	112	121	130	139	146	154	161
		SUCTION TEMPERATURE (°F)	41	48	54	60	66	69	72	75
		SUCTION SUPERHEAT (°F)	8	11	13	15	17	18	18	18
		OUTDOOR UNIT CURRENT (A)	14.0	15	15.7	16.3	16.6	16.7	16.6	16.2
		COMPRESSOR CURRENT (A)	13.9	14.9	15.7	16.3	16.6	16.7	16.6	16.2
	INDOOR COIL TEMP DROP (°F)	31	29	26	23	21	19	18	16	
	80/62	1600	LIQUID PRESSURE (PSIG)	208	246	286	329	373	421	470
LIQUID TEMPERATURE (°F)			63	74	83	93	102	112	120	130
LIQUID SUBCOOLING (°F)			9	9	10	10	10	9	9	7
SUCTION PRESSURE (PSIG)			115	114	116	119	124	131	139	149
SUCTION TEMPERATURE (°F)			48	48	49	51	54	56	59	63
SUCTION SUPERHEAT (°F)			9	10	10	11	11	11	10	10
OUTDOOR UNIT CURRENT (A)			13.2	15.8	17.7	19	19.7	19.7	19.1	17.8
COMPRESSOR CURRENT (A)			13.2	15.7	17.7	19	19.6	19.7	19	17.8
INDOOR COIL TEMP DROP (°F)		28	28	28	27	26	24	22	20	
1800		LIQUID PRESSURE (PSIG)	209	247	287	330	374	422	471	523
		LIQUID TEMPERATURE (°F)	64	74	83	93	102	112	120	131
		LIQUID SUBCOOLING (°F)	9	9	10	10	10	9	9	7
		SUCTION PRESSURE (PSIG)	118	117	119	122	127	134	142	152
		SUCTION TEMPERATURE (°F)	49	49	50	53	55	58	60	64
		SUCTION SUPERHEAT (°F)	9	10	10	11	11	11	10	10
		OUTDOOR UNIT CURRENT (A)	13.2	15.8	17.7	19	19.7	19.7	19.1	17.8
		COMPRESSOR CURRENT (A)	13.2	15.7	17.7	19	19.6	19.7	19	17.8
INDOOR COIL TEMP DROP (°F)		27	27	27	26	25	23	21	19	
2000		LIQUID PRESSURE (PSIG)	210	248	288	331	375	423	472	524
		LIQUID TEMPERATURE (°F)	64	74	83	93	102	112	120	131
		LIQUID SUBCOOLING (°F)	9	9	10	10	10	9	9	7
		SUCTION PRESSURE (PSIG)	121	120	122	125	130	137	145	155
		SUCTION TEMPERATURE (°F)	50	51	52	54	56	59	61	65
		SUCTION SUPERHEAT (°F)	9	10	10	11	11	11	10	10
		OUTDOOR UNIT CURRENT (A)	13.2	15.8	17.7	19	19.7	19.7	19.1	17.8
		COMPRESSOR CURRENT (A)	13.2	15.7	17.7	19	19.6	19.7	19	17.8
INDOOR COIL TEMP DROP (°F)		26	26	26	25	24	22	20	18	

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YHM60B21S W/ NOMINAL 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	1600	LIQUID PRESSURE (PSIG)	211	249	289	332	377	424	474	526
		LIQUID TEMPERATURE (°F)	65	75	85	93	103	112	121	130
		LIQUID SUBCOOLING (°F)	8	9	9	10	9	9	9	8
		SUCTION PRESSURE (PSIG)	125	125	127	130	134	140	147	156
		SUCTION TEMPERATURE (°F)	53	53	54	56	58	60	63	66
		SUCTION SUPERHEAT (°F)	10	10	10	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	13.2	16	18	19.3	20	19.9	19.1	17.6
		COMPRESSOR CURRENT (A)	13.2	15.9	18	19.3	19.9	19.8	19.1	17.6
	INDOOR COIL TEMP DROP (°F)	24	24	24	23	22	21	20	18	
	1800	LIQUID PRESSURE (PSIG)	211	249	289	332	377	424	474	526
		LIQUID TEMPERATURE (°F)	65	75	85	93	103	112	121	130
		LIQUID SUBCOOLING (°F)	8	9	9	10	9	9	9	8
		SUCTION PRESSURE (PSIG)	128	128	130	133	137	143	150	159
		SUCTION TEMPERATURE (°F)	54	54	55	57	59	61	64	67
		SUCTION SUPERHEAT (°F)	10	10	10	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	13.2	16	18	19.3	20	19.9	19.1	17.6
		COMPRESSOR CURRENT (A)	13.2	15.9	18	19.3	19.9	19.8	19.1	17.6
	INDOOR COIL TEMP DROP (°F)	23	23	23	22	21	20	19	17	
	2000	LIQUID PRESSURE (PSIG)	211	249	289	332	377	424	474	526
		LIQUID TEMPERATURE (°F)	65	75	85	93	103	112	121	130
		LIQUID SUBCOOLING (°F)	8	9	9	10	9	9	9	8
		SUCTION PRESSURE (PSIG)	131	131	133	136	140	146	153	162
		SUCTION TEMPERATURE (°F)	55	55	56	58	60	62	65	68
		SUCTION SUPERHEAT (°F)	10	10	10	11	11	11	11	11
OUTDOOR UNIT CURRENT (A)		13.2	16	18	19.3	20	19.9	19.1	17.6	
COMPRESSOR CURRENT (A)		13.2	15.9	18	19.3	19.9	19.8	19.1	17.6	
INDOOR COIL TEMP DROP (°F)	22	22	22	21	20	19	18	16		
80/72	1600	LIQUID PRESSURE (PSIG)	212	251	292	335	380	427	476	526
		LIQUID TEMPERATURE (°F)	65	76	85	95	104	114	122	131
		LIQUID SUBCOOLING (°F)	8	8	9	9	9	8	8	7
		SUCTION PRESSURE (PSIG)	131	134	138	142	148	154	161	169
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	64	68	71
		SUCTION SUPERHEAT (°F)	12	11	11	10	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	13.2	16.1	18.2	19.6	20.3	20.2	19.3	17.7
		COMPRESSOR CURRENT (A)	13.2	16.1	18.2	19.6	20.2	20.1	19.3	17.7
	INDOOR COIL TEMP DROP (°F)	22	21	20	19	18	16	15	13	
	1800	LIQUID PRESSURE (PSIG)	213	252	293	336	381	428	477	527
		LIQUID TEMPERATURE (°F)	66	76	86	95	104	114	122	131
		LIQUID SUBCOOLING (°F)	8	8	9	9	9	8	8	7
		SUCTION PRESSURE (PSIG)	133	136	140	144	150	156	163	171
		SUCTION TEMPERATURE (°F)	58	58	60	61	63	65	69	71
		SUCTION SUPERHEAT (°F)	12	11	11	10	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	13.2	16.1	18.2	19.6	20.3	20.2	19.3	17.7
		COMPRESSOR CURRENT (A)	13.2	16.1	18.2	19.6	20.2	20.1	19.3	17.7
	INDOOR COIL TEMP DROP (°F)	21	20	19	18	17	15	14	12	
	2000	LIQUID PRESSURE (PSIG)	214	253	294	337	382	429	478	528
		LIQUID TEMPERATURE (°F)	66	77	86	95	104	114	122	131
		LIQUID SUBCOOLING (°F)	8	8	9	9	9	8	8	7
		SUCTION PRESSURE (PSIG)	135	138	142	146	152	158	165	173
		SUCTION TEMPERATURE (°F)	59	59	61	61	64	66	69	72
		SUCTION SUPERHEAT (°F)	12	11	11	10	10	10	11	11
OUTDOOR UNIT CURRENT (A)		13.2	16.1	18.2	19.6	20.3	20.2	19.3	17.7	
COMPRESSOR CURRENT (A)		13.2	16.1	18.2	19.6	20.2	20.1	19.3	17.7	
INDOOR COIL TEMP DROP (°F)	20	19	18	17	16	14	13	11		

YHM60B21S W/ NOMINAL COIL

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1600	SUCTION PRESS (PSIG)	117	93	81	68	51	41
		SUCTION TEMP(F)	39	28	21	14	2	-6
		SUCTION SUPERHEAT(F)	11	11	12	12	15	15
		LIQUID SUBCOOLING(F)	21	22	23	25	25	24
		LIQUID PRESS (PSIG)	345	320	301	289	264	247
		LIQUID TEMP(F)	85	72	74	68	63	60
		ID AIR DB TEMP. RISE	38	33	29	25	20	17
		TOTAL / COMPR. AMPS	19 / 19	17 / 18	17 / 17	16 / 16	15 / 15	14 / 14
	1800	SUCTION PRESS (PSIG)	116	93	79	68	51	41
		SUCTION TEMP(F)	39	28	20	13	2	-6
		SUCTION SUPERHEAT(F)	11	11	12	12	15	15
		LIQUID SUBCOOLING(F)	21	22	21	23	24	23
		LIQUID PRESS (PSIG)	329	306	286	276	256	241
		LIQUID TEMP(F)	82	72	72	67	62	59
		ID AIR DB TEMP. RISE	35	30	26	23	18	15
		TOTAL / COMPR. AMPS	19 / 19	17 / 17	16 / 16	16 / 16	14 / 14	14 / 14
	2000	SUCTION PRESS (PSIG)	115	92	77	67	51	40
		SUCTION TEMP(F)	39	28	19	13	2	-7
		SUCTION SUPERHEAT(F)	11	11	11	12	14	15
		LIQUID SUBCOOLING(F)	20	22	19	21	22	21
		LIQUID PRESS (PSIG)	313	292	270	264	249	235
		LIQUID TEMP(F)	79	72	71	66	61	58
		ID AIR DB TEMP. RISE	31	26	23	20	16	14
		TOTAL / COMPR. AMPS	18 / 18	17 / 17	16 / 16	15 / 15	14 / 14	13 / 13
70	1600	SUCTION PRESS (PSIG)	118	94	83	69	52	43
		SUCTION TEMP(F)	40	28	23	14	2	-4
		SUCTION SUPERHEAT(F)	12	12	13	14	15	15
		LIQUID SUBCOOLING(F)	21	21	24	25	25	24
		LIQUID PRESS (PSIG)	390	362	349	330	304	290
		LIQUID TEMP(F)	93	84	82	77	72	69
		ID AIR DB TEMP. RISE	37	31	29	25	20	17
		TOTAL / COMPR. AMPS	21 / 21	19 / 19	19 / 19	17 / 17	16 / 16	15 / 15
	1800	SUCTION PRESS (PSIG)	117	94	82	69	51	43
		SUCTION TEMP(F)	40	28	22	14	2	-5
		SUCTION SUPERHEAT(F)	12	12	13	13	15	15
		LIQUID SUBCOOLING(F)	21	22	23	24	24	23
		LIQUID PRESS (PSIG)	374	349	334	318	295	282
		LIQUID TEMP(F)	91	83	81	76	71	68
		ID AIR DB TEMP. RISE	34	29	26	23	18	15
		TOTAL / COMPR. AMPS	21 / 20	19 / 19	18 / 18	17 / 17	16 / 16	15 / 15
	2000	SUCTION PRESS (PSIG)	116	94	81	68	51	43
		SUCTION TEMP(F)	39	28	21	14	2	-5
		SUCTION SUPERHEAT(F)	12	12	12	13	15	15
		LIQUID SUBCOOLING(F)	20	22	21	22	23	22
		LIQUID PRESS (PSIG)	357	336	319	307	287	275
		LIQUID TEMP(F)	88	81	79	75	70	68
		ID AIR DB TEMP. RISE	30	26	23	20	16	14
		TOTAL / COMPR. AMPS	20 / 20	17 / 20	18 / 18	17 / 17	15 / 15	14 / 14

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YHM60B21S W/ NOMINAL COIL (Continued)

ID Temp (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
80	1600	SUCTION PRESS (PSIG)	119	95	85	70	53	45
		SUCTION TEMP(F)	40	29	24	15	3	-3
		SUCTION SUPERHEAT(F)	13	13	14	15	14	14
		LIQUID SUBCOOLING(F)	21	21	25	25	25	25
		LIQUID PRESS (PSIG)	435	404	396	371	344	332
		LIQUID TEMP(F)	102	97	91	87	81	79
		ID AIR DB TEMP. RISE	36	29	28	24	19	17
		TOTAL / COMPR. AMPS	23 / 23	21 / 21	20 / 20	19 / 19	17 / 17	16 / 16
	1800	SUCTION PRESS (PSIG)	118	95	84	70	52	45
		SUCTION TEMP(F)	40	29	23	15	2	-3
		SUCTION SUPERHEAT(F)	13	13	14	15	15	14
		LIQUID SUBCOOLING(F)	30	25	24	20	13	19
		LIQUID PRESS (PSIG)	418	392	382	360	334	324
		LIQUID TEMP(F)	100	94	89	85	80	78
		ID AIR DB TEMP. RISE	33	27	25	22	17	15
		TOTAL / COMPR. AMPS	22 / 22	20 / 20	20 / 20	18 / 18	17 / 17	16 / 16
	2000	SUCTION PRESS (PSIG)	118	95	84	69	51	45
		SUCTION TEMP(F)	40	29	23	15	2	-3
		SUCTION SUPERHEAT(F)	13	13	13	14	15	14
		LIQUID SUBCOOLING(F)	20	22	23	23	23	22
		LIQUID PRESS (PSIG)	401	380	368	350	325	315
		LIQUID TEMP(F)	97	91	87	84	79	77
		ID AIR DB TEMP. RISE	29	25	23	19	15	14
		TOTAL / COMPR. AMPS	22 / 22	20 / 20	19 / 19	18 / 18	16 / 16	16 / 16