

SERVICE/CONDENSER APPLICATION GUIDE



GENERAL INFORMATION

This application guide provides latest service data and condenser data for all UPG outdoor units. The service data tables are presented in first half of the document, where refrigerant temperature and pressure, indoor delta temperature, and unit operating currents for a range of operating conditions are included. The presented data were obtained when the outdoor unit is matched with nominal indoor coil (highest sales volume coil). These tables intend to provide ballpark figures for trouble shooting the outdoor unit operation in the field.

The second part of this document presents the condenser tables where condenser capacity and power consumption are presented for a range of operating conditions. These data can be used for coil matching by cross plotting the condenser data with third party coil manufacturer's data. The capacity and power data in the tables do not include the indoor blower power.

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YCJD36S43S3	
YCJD36S44S3	
TCJD36S41S3	
TCJD36S43S3	
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TCGD36S41S(1,3)	
GCGD36S41S(1,3)	
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YCJD36S41S1	
YCJD36S43S3	
YCJD36S44S3	
TCJD36S41S3	
TCJD36S43S3	
TCJD36S44S3	
TCGD36S41S(1,3)	
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TCJD42S44S4	
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YCJD42S44S4	
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TCJD42S43S4	
TCJD42S44S4	
TCGD42S41S4	
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YCJD48S43S3	
YCJD48S44S3	
TCJD48S41S3	
TCJD48S43S3	
TCJD48S44S3	
TCGD48S41S(1,3)	
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CCGD48S41Q3	
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YCJD48S43S3	
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TCJD48S41S3	
TCJD48S43S3	
TCJD48S44S3	
TCGD48S41S(1,3)	
GCGD48S41S(1,3)	
CCGD48S41Q3	
RAC13J484S21	
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FOR USE WITH MODELS WITH ORIFICE: 134

YCJD60S41S2	
YCJD60S43S4	
YCJD60S44S4	
TCJD60S41S4	
TCJD60S43S4	
TCJD60S44S4	
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TCJD60S44S4	
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FOR USE WITH MODELS: 201

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FOR USE WITH MODELS: 210

YZF02413C	
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FOR USE WITH MODELS: 215

YZF03013C	
HC6B030F3C	
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FOR USE WITH MODELS: 220

YZF03613C	
HC6B036F3C	
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FOR USE WITH MODELS: 225

YZF04214C	
HC6B042F4C	
HL6B042F4C	225

FOR USE WITH MODELS: 230

YZF04813C	
HC6B048F3C	
HL6B048F3C	230

FOR USE WITH MODELS: 235

YZF06013C	
HC6B060F3C	
HL6B060F3C	235

FOR USE WITH MODELS: 240

YHJF18S41S1	
THJF18S41S3	
THGF18S41S3	
RHP14J184S21	240

FOR USE WITH MODELS: 245

YHJF24S41S1	
THJF24S41S3	
THGF24S41S3	
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FOR USE WITH MODELS: 250

YHJF30S41S1	
THJF30S41S3	
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FOR USE WITH MODELS: 270

YHJF60S41S1	
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THGF60S41S3	
RHP14J604S21	270

FOR USE WITH MODELS: 277

YHJD18S41S2	
THJD18S41S3	
THGD18S41S3	
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YHJD36S41S4	
YHJD36S43S4	
YHJD36S44S4	
THJD36S41S4	
THJD36S43S4	
THJD36S44S4	
THGD36S41S4	
GHGD36S41S4	
CHJD36S41Q4	
RHP13J364S21	
RHP13J364S31	292

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YHJD42S41S4	
YHJD42S43S4	
YHJD42S44S4	
THJD42S41S4	
THJD42S43S4	
THJD42S44S4	
THGD42S41S4	
GHGD42S41S4	
CHJD42S41Q4	
RHP13J424S21	
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YHJD48S43S3	
YHJD48S44S3	
THJD48S41S4	
THJD48S43S3	
THJD48S44S3	
THGD48S41S4	
GHGD48S41S4	
CHJD48S41Q4	
RHP13J484S21	
RHP13J484S31	302
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YHJD60S43S4	
YHJD60S44S4	
THJD60S41S6	
THJD60S43S4	
THJD60S44S4	
THGD60S41S6	
GHGD60S41S6	
RHP13J604S22	
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FOR USE WITH MODELS:	312
YHJR18S41S3	
THJR18S41S3	
RHP13R184S21	312

FOR USE WITH MODELS:	317
YHJR24S41S4	
THJR24S41S4	
RHP13R244S21	317
FOR USE WITH MODELS:	322
YHJR30S41S4	
THJR30S41S4	
RHP13R304S21	322
FOR USE WITH MODELS:	327
YHJR36S41S4	
THJR36S41S4	
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YHJR42S41S4	
THJR42S41S4	
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THJR60S41S6	
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AIR CONDITIONERS

FOR USE WITH MODELS:

CZH02411(C)

AC8B024F3C

AL8B024F3C

CZH02411(C) (HIGH STAGE) 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			
65	212 (4)	213(4)	216(5)	219(6)
70	231(4)	232(4)	236(5)	238(6)
75	251(5)	252(5)	256(5)	258(6)
80	272(5)	273(5)	276(5)	279(6)
85	293(5)	294(5)	298(6)	300(6)
90	316(5)	317(5)	320(6)	323(6)
95	339(5)	339(5)	343(6)	346(6)
100	363(6)	363(6)	367(6)	370(6)
105	387(6)	388(6)	391(6)	394(6)
110	413(6)	413(6)	416(6)	420(6)
115	439(5)	439(6)	442(6)	446(6)
120	466(5)	466(6)	469(6)	472(6)
125	494(5)	494(6)	496(6)	500(6)

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.

CZH02411(C) (LOW STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
CZH02411(C) (LOW STAGE)	35	107	16.0	0.93	15.1	1.07	14.1	1.23	13.1	1.41	12.0	1.61	10.9	1.83	9.8	2.08
	40	118	17.8	0.92	16.9	1.06	15.8	1.22	14.6	1.39	13.4	1.59	12.2	1.81	11.0	2.05
	45	130	19.9	0.91	18.8	1.05	17.6	1.20	16.3	1.37	15.0	1.57	13.7	1.79	12.4	2.02
	50	142	22.1	0.90	20.8	1.04	19.5	1.19	18.1	1.36	16.7	1.55	15.2	1.77	13.8	2.00
	55	156	24.5	0.89	23.1	1.03	21.6	1.18	20.1	1.35	18.5	1.54	16.9	1.75	15.4	1.98

CZH02411(C) (HIGH STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
CZH02411(C) (HIGH STAGE)	35	107	23.5	1.30	22.2	1.47	20.9	1.66	19.5	1.85	18.1	2.09	16.6	2.34	15.1	2.64
	40	118	25.9	1.31	24.5	1.48	23.1	1.66	21.6	1.86	20.1	2.09	18.5	2.35	16.8	2.64
	45	130	28.5	1.31	27.0	1.48	25.5	1.66	23.9	1.86	22.2	2.09	20.5	2.36	18.7	2.65
	50	142	31.4	1.32	29.7	1.48	28.0	1.67	26.3	1.86	24.5	2.10	22.6	2.36	20.7	2.65
	55	156	34.4	1.33	32.6	1.49	30.7	1.67	28.8	1.87	26.9	2.10	24.9	2.37	22.9	2.65

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

CZH02411(C) (LOW STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	204	244	284	325	376	427	478
		LIQUID TEMPERATURE (°F)	70	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	1	2	2	2	3	4	3
		SUCTION PRESSURE (PSIG)	133	135	138	140	144	147	151
		SUCTION TEMPERATURE (°F)	53	54	55	57	59	61	64
		SUCTION SUPERHEAT (°F)	7	7	7	8	9	10	11
		OUTDOOR UNIT CURRENT (A)	3.8	4.3	4.9	5.4	6.1	6.9	7.7
		COMPRESSOR CURRENT (A)	2.6	3.1	3.6	4.2	5.0	5.7	6.5
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	18
	650	LIQUID PRESSURE (PSIG)	204	244	285	325	376	427	478
		LIQUID TEMPERATURE (°F)	70	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	1	2	2	2	3	4	3
		SUCTION PRESSURE (PSIG)	134	137	139	142	145	149	152
		SUCTION TEMPERATURE (°F)	54	55	56	57	60	62	64
		SUCTION SUPERHEAT (°F)	8	8	8	8	9	10	11
		OUTDOOR UNIT CURRENT (A)	3.7	4.3	4.8	5.4	6.1	6.9	7.7
		COMPRESSOR CURRENT (A)	2.5	3.1	3.6	4.2	5.0	5.7	6.5
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	18	17
	700	LIQUID PRESSURE (PSIG)	204	244	285	326	376	427	478
		LIQUID TEMPERATURE (°F)	70	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	1	2	2	2	3	4	3
		SUCTION PRESSURE (PSIG)	135	138	141	143	147	150	154
		SUCTION TEMPERATURE (°F)	56	56	57	58	60	63	65
		SUCTION SUPERHEAT (°F)	9	9	8	8	9	10	11
		OUTDOOR UNIT CURRENT (A)	3.7	4.2	4.8	5.4	6.1	6.9	7.7
		COMPRESSOR CURRENT (A)	2.5	3.1	3.6	4.2	4.9	5.7	6.5
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	17
80/57	600	LIQUID PRESSURE (PSIG)	202	243	284	325	376	427	478
		LIQUID TEMPERATURE (°F)	70	80	90	99	108	117	126
		LIQUID SUBCOOLING (°F)	0	2	3	2	4	4	4
		SUCTION PRESSURE (PSIG)	129	133	137	141	147	152	157
		SUCTION TEMPERATURE (°F)	52	54	56	58	61	64	66
		SUCTION SUPERHEAT (°F)	7	8	8	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	3.6	4.2	4.7	5.3	6.1	6.8	7.6
		COMPRESSOR CURRENT (A)	2.6	3.2	3.7	4.3	5.1	5.9	6.7
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	23	22	20
	650	LIQUID PRESSURE (PSIG)	203	244	285	325	377	428	479
		LIQUID TEMPERATURE (°F)	70	80	90	100	109	117	126
		LIQUID SUBCOOLING (°F)	0	2	2	2	4	4	4
		SUCTION PRESSURE (PSIG)	132	136	140	144	150	155	160
		SUCTION TEMPERATURE (°F)	54	56	57	59	62	64	67
		SUCTION SUPERHEAT (°F)	8	9	9	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	3.6	4.2	4.7	5.3	6.1	6.8	7.6
		COMPRESSOR CURRENT (A)	2.6	3.1	3.7	4.3	5.1	5.9	6.6
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	22	21	19
	700	LIQUID PRESSURE (PSIG)	203	244	285	326	377	429	480
		LIQUID TEMPERATURE (°F)	70	80	90	100	109	117	126
		LIQUID SUBCOOLING (°F)	0	2	2	2	3	4	4
		SUCTION PRESSURE (PSIG)	134	139	143	147	153	158	163
		SUCTION TEMPERATURE (°F)	56	58	59	61	63	65	68
		SUCTION SUPERHEAT (°F)	10	9	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	3.6	4.2	4.7	5.3	6.0	6.8	7.6
		COMPRESSOR CURRENT (A)	2.6	3.1	3.7	4.3	5.1	5.8	6.6
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	21	20	18

Continued on next page.

CZH02411(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	600	LIQUID PRESSURE (PSIG)	204	244	285	325	376	428	479
		LIQUID TEMPERATURE (°F)	70	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	1	2	2	1	3	3	3
		SUCTION PRESSURE (PSIG)	133	135	138	140	146	151	156
		SUCTION TEMPERATURE (°F)	54	54	55	55	59	63	67
		SUCTION SUPERHEAT (°F)	8	7	7	6	8	10	12
		OUTDOOR UNIT CURRENT (A)	3.7	4.2	4.8	5.3	6.1	6.9	7.6
		COMPRESSOR CURRENT (A)	2.6	3.2	3.7	4.2	5.0	5.7	6.5
		INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	23	22	20
	650	LIQUID PRESSURE (PSIG)	204	244	285	326	377	428	480
		LIQUID TEMPERATURE (°F)	70	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	1	2	2	1	3	3	3
		SUCTION PRESSURE (PSIG)	134	137	140	144	149	154	159
		SUCTION TEMPERATURE (°F)	55	56	57	58	61	64	68
		SUCTION SUPERHEAT (°F)	8	8	8	8	9	10	11
		OUTDOOR UNIT CURRENT (A)	3.6	4.2	4.7	5.3	6.1	6.9	7.6
		COMPRESSOR CURRENT (A)	2.6	3.1	3.7	4.2	4.9	5.7	6.5
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	22	21	19
	700	LIQUID PRESSURE (PSIG)	204	245	285	326	377	429	480
		LIQUID TEMPERATURE (°F)	70	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	1	2	2	2	3	3	3
		SUCTION PRESSURE (PSIG)	135	139	143	147	152	158	163
		SUCTION TEMPERATURE (°F)	55	57	59	61	63	66	68
		SUCTION SUPERHEAT (°F)	8	9	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	3.6	4.2	4.7	5.3	6.1	6.8	7.6
		COMPRESSOR CURRENT (A)	2.6	3.1	3.6	4.1	4.9	5.7	6.5
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	21	20	18
80/67	600	LIQUID PRESSURE (PSIG)	205	246	287	327	378	429	481
		LIQUID TEMPERATURE (°F)	70	80	91	101	110	118	127
		LIQUID SUBCOOLING (°F)	1	2	2	1	3	4	4
		SUCTION PRESSURE (PSIG)	143	147	150	154	156	159	162
		SUCTION TEMPERATURE (°F)	59	60	62	63	65	66	68
		SUCTION SUPERHEAT (°F)	9	9	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	3.6	4.2	4.7	5.2	6.0	6.8	7.6
		COMPRESSOR CURRENT (A)	2.5	3.1	3.6	4.2	5.0	5.8	6.6
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	19
	650	LIQUID PRESSURE (PSIG)	206	246	287	328	379	429	480
		LIQUID TEMPERATURE (°F)	70	80	91	101	110	118	127
		LIQUID SUBCOOLING (°F)	1	2	2	1	3	4	4
		SUCTION PRESSURE (PSIG)	146	149	152	155	158	161	164
		SUCTION TEMPERATURE (°F)	60	61	62	63	65	67	69
		SUCTION SUPERHEAT (°F)	9	9	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	3.6	4.1	4.7	5.2	6.0	6.8	7.6
		COMPRESSOR CURRENT (A)	2.5	3.1	3.6	4.2	5.0	5.8	6.6
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	19	18
	700	LIQUID PRESSURE (PSIG)	206	247	287	328	379	429	480
		LIQUID TEMPERATURE (°F)	70	80	91	101	109	118	127
		LIQUID SUBCOOLING (°F)	1	3	2	1	3	4	4
		SUCTION PRESSURE (PSIG)	149	151	153	155	159	162	166
		SUCTION TEMPERATURE (°F)	62	62	63	63	65	68	70
		SUCTION SUPERHEAT (°F)	10	9	9	8	9	11	12
		OUTDOOR UNIT CURRENT (A)	3.6	4.1	4.7	5.2	6.0	6.8	7.5
		COMPRESSOR CURRENT (A)	2.5	3.1	3.6	4.2	5.0	5.8	6.6
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	17

Continued on next page.

CZH02411(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	600	LIQUID PRESSURE (PSIG)	208	248	289	329	381	432	483
		LIQUID TEMPERATURE (°F)	69	80	91	101	110	118	127
		LIQUID SUBCOOLING (°F)	3	3	3	1	3	4	4
		SUCTION PRESSURE (PSIG)	159	162	164	166	169	171	174
		SUCTION TEMPERATURE (°F)	65	66	67	68	69	71	73
		SUCTION SUPERHEAT (°F)	9	9	9	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	3.7	4.2	4.7	5.2	6.0	6.7	7.5
		COMPRESSOR CURRENT (A)	2.6	3.1	3.7	4.2	5.0	5.8	6.6
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	15	15	14
	650	LIQUID PRESSURE (PSIG)	208	249	289	330	355	381	406
		LIQUID TEMPERATURE (°F)	69	80	91	101	105	110	114
		LIQUID SUBCOOLING (°F)	3	3	3	2	3	3	4
		SUCTION PRESSURE (PSIG)	160	162	165	167	168	169	170
		SUCTION TEMPERATURE (°F)	65	66	67	68	69	69	70
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	3.7	4.2	4.7	5.2	5.6	6.0	6.4
		COMPRESSOR CURRENT (A)	2.6	3.1	3.7	4.2	4.6	5.0	5.4
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	15	15
	700	LIQUID PRESSURE (PSIG)	208	249	290	330	330	330	329
		LIQUID TEMPERATURE (°F)	69	80	91	101	101	101	101
		LIQUID SUBCOOLING (°F)	3	3	3	1	2	1	1
		SUCTION PRESSURE (PSIG)	161	163	166	168	168	167	166
		SUCTION TEMPERATURE (°F)	65	66	67	68	68	68	68
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	3.7	4.2	4.7	5.2	5.2	5.2	5.2
		COMPRESSOR CURRENT (A)	2.6	3.1	3.7	4.2	4.2	4.2	4.2
		INDOOR COIL DB TEMP DROP (°F)	16	16	16	15	15	16	16

CZH02411(C) (HIGH STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	750	LIQUID PRESSURE (PSIG)	212	253	294	335	387	439	491
		LIQUID TEMPERATURE (°F)	69	79	89	99	108	117	127
		LIQUID SUBCOOLING (°F)	4	5	5	5	6	6	6
		SUCTION PRESSURE (PSIG)	129	132	134	136	139	143	146
		SUCTION TEMPERATURE (°F)	53	54	55	56	58	60	62
		SUCTION SUPERHEAT (°F)	8	8	8	8	9	10	10
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.6	7.3	8.2	9.2	10.1
		COMPRESSOR CURRENT (A)	4.1	4.7	5.4	6.1	7.1	8.1	9.1
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	19
	850	LIQUID PRESSURE (PSIG)	213	254	295	336	388	440	492
		LIQUID TEMPERATURE (°F)	70	79	89	99	108	118	127
		LIQUID SUBCOOLING (°F)	4	5	5	4	6	6	5
		SUCTION PRESSURE (PSIG)	132	134	136	138	141	145	148
		SUCTION TEMPERATURE (°F)	55	55	55	56	58	60	62
		SUCTION SUPERHEAT (°F)	9	8	8	8	8	9	10
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.6	7.3	8.2	9.2	10.1
		COMPRESSOR CURRENT (A)	4.1	4.8	5.4	6.1	7.1	8.1	9.1
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	19
	950	LIQUID PRESSURE (PSIG)	214	254	295	336	388	440	492
		LIQUID TEMPERATURE (°F)	70	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	4	5	5	4	6	6	5
		SUCTION PRESSURE (PSIG)	135	137	138	139	143	147	150
		SUCTION TEMPERATURE (°F)	56	56	56	55	58	60	63
		SUCTION SUPERHEAT (°F)	9	8	8	7	8	9	10
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.6	7.3	8.2	9.2	10.2
		COMPRESSOR CURRENT (A)	4.1	4.8	5.4	6.1	7.1	8.1	9.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	18
80/57	750	LIQUID PRESSURE (PSIG)	209	251	293	334	387	439	492
		LIQUID TEMPERATURE (°F)	69	79	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	3	5	5	5	6	6	5
		SUCTION PRESSURE (PSIG)	121	125	130	135	140	145	150
		SUCTION TEMPERATURE (°F)	54	55	55	55	58	60	63
		SUCTION SUPERHEAT (°F)	13	12	10	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	5.2	5.9	6.6	7.2	8.2	9.1	10.1
		COMPRESSOR CURRENT (A)	4.1	4.8	5.5	6.2	7.2	8.1	9.1
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	24	23
	850	LIQUID PRESSURE (PSIG)	211	253	294	336	388	441	493
		LIQUID TEMPERATURE (°F)	69	79	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	4	5	5	5	6	6	5
		SUCTION PRESSURE (PSIG)	127	131	134	138	143	149	154
		SUCTION TEMPERATURE (°F)	55	56	56	57	59	62	65
		SUCTION SUPERHEAT (°F)	12	11	10	8	9	10	11
		OUTDOOR UNIT CURRENT (A)	5.3	5.9	6.6	7.3	8.2	9.2	10.1
		COMPRESSOR CURRENT (A)	4.2	4.9	5.6	6.2	7.2	8.2	9.1
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	22	21
	950	LIQUID PRESSURE (PSIG)	212	254	295	337	389	442	495
		LIQUID TEMPERATURE (°F)	69	79	89	99	109	118	127
		LIQUID SUBCOOLING (°F)	4	5	6	5	6	6	5
		SUCTION PRESSURE (PSIG)	133	136	139	142	147	153	158
		SUCTION TEMPERATURE (°F)	57	57	57	58	61	64	66
		SUCTION SUPERHEAT (°F)	11	10	9	8	9	10	11
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.6	7.3	8.2	9.2	10.2
		COMPRESSOR CURRENT (A)	4.2	4.9	5.6	6.3	7.3	8.2	9.2
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	19

Continued on next page.

CZH02411(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	750	LIQUID PRESSURE (PSIG)	212	253	294	336	387	439	491
		LIQUID TEMPERATURE (°F)	69	79	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	4	5	5	4	5	6	5
		SUCTION PRESSURE (PSIG)	128	131	134	136	140	144	148
		SUCTION TEMPERATURE (°F)	53	54	56	57	59	61	64
		SUCTION SUPERHEAT (°F)	9	9	9	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	5.3	5.9	6.6	7.3	8.2	9.2	10.1
		COMPRESSOR CURRENT (A)	4.2	4.9	5.6	6.3	7.2	8.2	9.1
		INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	24	23
	850	LIQUID PRESSURE (PSIG)	213	254	295	336	389	441	493
		LIQUID TEMPERATURE (°F)	69	79	89	99	109	118	127
		LIQUID SUBCOOLING (°F)	4	5	5	4	6	6	6
		SUCTION PRESSURE (PSIG)	131	134	136	138	143	148	153
		SUCTION TEMPERATURE (°F)	55	56	56	57	59	62	65
		SUCTION SUPERHEAT (°F)	10	9	9	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.6	7.3	8.2	9.2	10.2
		COMPRESSOR CURRENT (A)	4.2	4.9	5.6	6.3	7.3	8.2	9.2
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	25	24	23	22
	950	LIQUID PRESSURE (PSIG)	213	254	296	337	390	442	494
		LIQUID TEMPERATURE (°F)	70	79	89	99	108	118	127
		LIQUID SUBCOOLING (°F)	4	5	6	5	6	6	6
		SUCTION PRESSURE (PSIG)	135	137	138	140	146	153	159
		SUCTION TEMPERATURE (°F)	58	57	57	57	60	63	66
		SUCTION SUPERHEAT (°F)	11	10	9	8	8	9	10
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.6	7.3	8.3	9.2	10.2
		COMPRESSOR CURRENT (A)	4.2	4.9	5.6	6.3	7.3	8.3	9.3
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	21	20
80/67	750	LIQUID PRESSURE (PSIG)	215	256	298	339	391	443	495
		LIQUID TEMPERATURE (°F)	69	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	5	6	5	4	6	6	6
		SUCTION PRESSURE (PSIG)	141	143	145	148	151	154	157
		SUCTION TEMPERATURE (°F)	57	58	60	61	62	64	66
		SUCTION SUPERHEAT (°F)	8	8	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	5.4	6.0	6.7	7.4	8.3	9.2	10.2
		COMPRESSOR CURRENT (A)	4.1	4.8	5.5	6.2	7.2	8.2	9.2
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	21	20
	850	LIQUID PRESSURE (PSIG)	216	257	298	340	392	444	496
		LIQUID TEMPERATURE (°F)	69	80	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	5	6	6	5	6	6	6
		SUCTION PRESSURE (PSIG)	144	146	148	151	154	157	160
		SUCTION TEMPERATURE (°F)	59	60	61	61	63	65	67
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	5.4	6.1	6.7	7.4	8.3	9.3	10.2
		COMPRESSOR CURRENT (A)	4.2	4.8	5.5	6.2	7.2	8.2	9.2
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	19
	950	LIQUID PRESSURE (PSIG)	216	258	299	341	393	444	496
		LIQUID TEMPERATURE (°F)	70	80	89	99	109	118	127
		LIQUID SUBCOOLING (°F)	5	6	6	5	6	6	6
		SUCTION PRESSURE (PSIG)	147	149	151	153	156	159	162
		SUCTION TEMPERATURE (°F)	61	61	62	62	64	66	68
		SUCTION SUPERHEAT (°F)	10	9	9	8	9	10	11
		OUTDOOR UNIT CURRENT (A)	5.4	6.1	6.7	7.4	8.3	9.3	10.2
		COMPRESSOR CURRENT (A)	4.2	4.9	5.5	6.2	7.2	8.2	9.2
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	20	19	18	18

Continued on next page.

CZH02411(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	750	LIQUID PRESSURE (PSIG)	217	259	300	342	394	446	499
		LIQUID TEMPERATURE (°F)	69	79	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	6	7	6	5	7	7	7
		SUCTION PRESSURE (PSIG)	151	154	158	161	164	167	170
		SUCTION TEMPERATURE (°F)	62	63	64	65	66	68	69
		SUCTION SUPERHEAT (°F)	9	9	8	8	9	9	10
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.7	7.4	8.3	9.3	10.3
		COMPRESSOR CURRENT (A)	4.3	5.0	5.6	6.3	7.3	8.3	9.3
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	16	16	15
	850	LIQUID PRESSURE (PSIG)	218	260	301	343	395	447	499
		LIQUID TEMPERATURE (°F)	69	79	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	6	7	7	5	6	7	6
		SUCTION PRESSURE (PSIG)	154	157	160	163	166	169	172
		SUCTION TEMPERATURE (°F)	63	64	65	66	67	69	70
		SUCTION SUPERHEAT (°F)	9	9	9	8	9	9	10
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.7	7.4	8.4	9.3	10.3
		COMPRESSOR CURRENT (A)	4.3	5.0	5.7	6.4	7.3	8.3	9.3
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	15	15	14
	950	LIQUID PRESSURE (PSIG)	219	260	302	344	396	448	500
		LIQUID TEMPERATURE (°F)	69	79	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	6	7	7	5	6	6	6
		SUCTION PRESSURE (PSIG)	156	159	163	166	169	172	175
		SUCTION TEMPERATURE (°F)	64	65	66	67	68	70	71
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	5.4	6.0	6.7	7.4	8.4	9.4	10.3
		COMPRESSOR CURRENT (A)	4.3	5.0	5.7	6.4	7.4	8.3	9.3
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	15	14	14	13

FOR USE WITH MODELS:

CZH03611(C)
AC8B036F3C
AL8B036F3C

CZH03611(C) (HIGH STAGE) 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			
65	227(11)	229(11)	233(12)	237(13)
70	247(11)	249(12)	253(13)	257(14)
75	268(12)	270(12)	274(13)	278(14)
80	289(12)	291(13)	296(13)	300(14)
85	312(13)	313(13)	318(13)	322(14)
90	335(13)	337(13)	341(13)	346(14)
95	359(13)	360(13)	365(14)	370(14)
100	384(13)	385(13)	389(14)	394(14)
105	410(13)	410(13)	415(13)	420(14)
110	436(13)	436(13)	441(13)	446(14)
115	463(13)	463(13)	468(13)	473(14)
120	491(12)	491(13)	495(13)	500(13)
125	520(12)	519(12)	524(13)	529(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.

CZH03611(C) (LOW STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
CZH03611(C) (LOW STAGE)	35	107	22.6	1.19	21.2	1.36	19.8	1.56	18.3	1.79	16.7	2.07	15.1	2.39	13.4	2.78
	40	118	25.4	1.19	24.0	1.36	22.4	1.56	20.8	1.79	19.1	2.06	17.3	2.39	15.4	2.77
	45	130	28.5	1.19	26.9	1.36	25.2	1.56	23.4	1.78	21.6	2.06	19.6	2.38	17.7	2.76
	50	142	31.8	1.20	30.1	1.37	28.2	1.56	26.3	1.78	24.3	2.05	22.2	2.37	20.1	2.74
	55	156	35.4	1.20	33.5	1.37	31.5	1.56	29.4	1.78	27.2	2.04	25.0	2.36	22.7	2.73

CZH03611(C) (HIGH STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
CZH03611(C) (HIGH STAGE)	35	107	36.1	1.91	34.3	2.12	32.3	2.36	30.3	2.61	28.2	2.91	26.0	3.24	23.7	3.62
	40	118	39.6	1.92	37.6	2.13	35.5	2.37	33.3	2.62	31.1	2.92	28.7	3.26	26.3	3.63
	45	130	43.3	1.95	41.2	2.16	39.0	2.38	36.6	2.63	34.2	2.93	31.6	3.27	29.0	3.64
	50	142	47.2	1.98	44.8	2.19	42.4	2.42	40.0	2.66	37.5	2.94	34.8	3.28	32.0	3.65
	55	156	51.3	2.02	48.8	2.23	46.0	2.45	43.5	2.69	40.8	2.98	38.0	3.30	35.1	3.65

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

CZH03611(C) (LOW STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	750	LIQUID PRESSURE (PSIG)	212	254	295	336	389	441	494
		LIQUID TEMPERATURE (°F)	67	77	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	6	8	8	7	7	7	6
		SUCTION PRESSURE (PSIG)	134	136	138	141	143	146	148
		SUCTION TEMPERATURE (°F)	56	57	59	60	63	66	69
		SUCTION SUPERHEAT (°F)	9	10	11	11	13	15	17
		OUTDOOR UNIT CURRENT (A)	4.7	5.6	6.5	7.3	8.5	9.7	10.9
		COMPRESSOR CURRENT (A)	3.5	4.4	5.3	6.2	7.4	8.6	9.8
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	19
	800	LIQUID PRESSURE (PSIG)	213	254	295	337	389	441	494
		LIQUID TEMPERATURE (°F)	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	6	8	8	7	8	8	7
		SUCTION PRESSURE (PSIG)	135	138	140	142	145	147	149
		SUCTION TEMPERATURE (°F)	57	58	59	61	64	66	69
		SUCTION SUPERHEAT (°F)	10	10	11	11	13	15	17
		OUTDOOR UNIT CURRENT (A)	4.7	5.6	6.5	7.3	8.5	9.7	10.9
		COMPRESSOR CURRENT (A)	3.5	4.4	5.3	6.2	7.4	8.6	9.8
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	20	19	19
	850	LIQUID PRESSURE (PSIG)	213	254	296	337	389	442	494
		LIQUID TEMPERATURE (°F)	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	6	8	8	7	8	8	7
		SUCTION PRESSURE (PSIG)	137	139	142	144	146	148	151
		SUCTION TEMPERATURE (°F)	58	59	60	61	64	67	69
		SUCTION SUPERHEAT (°F)	10	10	11	11	13	15	16
		OUTDOOR UNIT CURRENT (A)	4.7	5.6	6.4	7.3	8.5	9.6	10.8
		COMPRESSOR CURRENT (A)	3.5	4.4	5.3	6.2	7.4	8.5	9.7
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	18
80/57	750	LIQUID PRESSURE (PSIG)	210	252	294	337	389	442	494
		LIQUID TEMPERATURE (°F)	67	77	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	6	7	7	6	7	7	7
		SUCTION PRESSURE (PSIG)	127	131	135	140	143	146	150
		SUCTION TEMPERATURE (°F)	56	57	59	60	64	68	71
		SUCTION SUPERHEAT (°F)	12	12	12	12	14	16	19
		OUTDOOR UNIT CURRENT (A)	4.8	5.7	6.5	7.3	8.5	9.7	10.9
		COMPRESSOR CURRENT (A)	3.6	4.5	5.3	6.2	7.4	8.6	9.8
		INDOOR COIL DB TEMP DROP (°F)	31	30	29	27	26	24	22
	800	LIQUID PRESSURE (PSIG)	211	253	295	337	390	442	495
		LIQUID TEMPERATURE (°F)	67	77	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	6	7	7	6	7	8	7
		SUCTION PRESSURE (PSIG)	130	134	138	142	146	150	154
		SUCTION TEMPERATURE (°F)	57	58	60	61	65	68	71
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	15	17
		OUTDOOR UNIT CURRENT (A)	4.8	5.7	6.5	7.3	8.5	9.7	10.9
		COMPRESSOR CURRENT (A)	3.6	4.5	5.3	6.2	7.4	8.5	9.7
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	26	25	23	22
	850	LIQUID PRESSURE (PSIG)	212	254	296	338	391	443	496
		LIQUID TEMPERATURE (°F)	67	77	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	6	8	7	6	8	8	7
		SUCTION PRESSURE (PSIG)	133	137	141	145	149	153	157
		SUCTION TEMPERATURE (°F)	57	59	61	63	65	68	71
		SUCTION SUPERHEAT (°F)	11	11	12	12	13	14	16
		OUTDOOR UNIT CURRENT (A)	4.8	5.6	6.5	7.3	8.5	9.6	10.8
		COMPRESSOR CURRENT (A)	3.6	4.5	5.3	6.2	7.3	8.5	9.7
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	24	22	21

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CZH03611(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	750	LIQUID PRESSURE (PSIG)	213	254	296	338	390	442	494
		LIQUID TEMPERATURE (°F)	67	77	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	7	8	7	6	7	7	7
		SUCTION PRESSURE (PSIG)	134	137	139	141	145	148	151
		SUCTION TEMPERATURE (°F)	57	59	60	62	65	67	70
		SUCTION SUPERHEAT (°F)	11	11	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	4.8	5.7	6.5	7.4	8.6	9.7	10.8
		COMPRESSOR CURRENT (A)	3.6	4.5	5.3	6.2	7.3	8.5	9.7
		INDOOR COIL DB TEMP DROP (°F)	28	28	27	26	25	24	23
	800	LIQUID PRESSURE (PSIG)	213	255	296	338	390	442	495
		LIQUID TEMPERATURE (°F)	67	77	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	7	8	7	6	7	7	7
		SUCTION PRESSURE (PSIG)	136	138	141	143	146	150	153
		SUCTION TEMPERATURE (°F)	58	60	61	63	65	68	71
		SUCTION SUPERHEAT (°F)	11	11	12	13	14	16	17
		OUTDOOR UNIT CURRENT (A)	4.8	5.6	6.5	7.4	8.5	9.7	10.8
		COMPRESSOR CURRENT (A)	3.6	4.5	5.3	6.2	7.3	8.5	9.7
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	26	24	23	22
	850	LIQUID PRESSURE (PSIG)	214	255	297	338	391	443	496
		LIQUID TEMPERATURE (°F)	67	77	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	7	8	7	6	7	8	7
		SUCTION PRESSURE (PSIG)	138	140	142	145	148	151	154
		SUCTION TEMPERATURE (°F)	59	60	62	64	66	69	71
		SUCTION SUPERHEAT (°F)	11	12	12	13	14	16	17
		OUTDOOR UNIT CURRENT (A)	4.8	5.6	6.5	7.3	8.5	9.6	10.8
		COMPRESSOR CURRENT (A)	3.6	4.5	5.3	6.2	7.3	8.5	9.7
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	24	22	21
80/67	750	LIQUID PRESSURE (PSIG)	215	256	298	340	392	445	497
		LIQUID TEMPERATURE (°F)	67	77	88	98	107	116	126
		LIQUID SUBCOOLING (°F)	7	8	8	7	8	8	8
		SUCTION PRESSURE (PSIG)	146	148	150	153	155	157	159
		SUCTION TEMPERATURE (°F)	60	62	63	65	67	70	72
		SUCTION SUPERHEAT (°F)	9	10	11	11	13	14	16
		OUTDOOR UNIT CURRENT (A)	4.6	5.5	6.4	7.3	8.4	9.6	10.8
		COMPRESSOR CURRENT (A)	3.4	4.3	5.2	6.1	7.3	8.5	9.7
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	19
	800	LIQUID PRESSURE (PSIG)	215	257	299	341	393	445	498
		LIQUID TEMPERATURE (°F)	67	77	88	98	107	116	126
		LIQUID SUBCOOLING (°F)	7	8	8	7	8	8	8
		SUCTION PRESSURE (PSIG)	148	150	152	155	156	158	160
		SUCTION TEMPERATURE (°F)	61	63	64	66	68	70	72
		SUCTION SUPERHEAT (°F)	9	10	11	11	13	14	16
		OUTDOOR UNIT CURRENT (A)	4.6	5.5	6.4	7.2	8.4	9.6	10.8
		COMPRESSOR CURRENT (A)	3.4	4.3	5.2	6.1	7.3	8.5	9.7
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	19
	850	LIQUID PRESSURE (PSIG)	215	257	299	341	394	446	498
		LIQUID TEMPERATURE (°F)	67	77	88	98	107	116	125
		LIQUID SUBCOOLING (°F)	7	8	8	7	8	8	8
		SUCTION PRESSURE (PSIG)	150	152	154	156	158	160	162
		SUCTION TEMPERATURE (°F)	62	63	65	66	68	70	72
		SUCTION SUPERHEAT (°F)	9	10	11	11	13	14	15
		OUTDOOR UNIT CURRENT (A)	4.6	5.5	6.3	7.2	8.4	9.6	10.8
		COMPRESSOR CURRENT (A)	3.4	4.3	5.2	6.1	7.3	8.5	9.7
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	18

Continued on next page.

CZH03611(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	750	LIQUID PRESSURE (PSIG)	218	260	301	343	396	448	501
		LIQUID TEMPERATURE (°F)	67	77	87	98	107	116	125
		LIQUID SUBCOOLING (°F)	8	9	9	8	9	9	8
		SUCTION PRESSURE (PSIG)	159	161	162	163	166	169	171
		SUCTION TEMPERATURE (°F)	65	66	67	68	70	72	74
		SUCTION SUPERHEAT (°F)	9	9	10	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.6	5.4	6.3	7.1	8.3	9.5	10.7
		COMPRESSOR CURRENT (A)	3.4	4.2	5.1	6.0	7.2	8.4	9.6
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	17	16	15
	800	LIQUID PRESSURE (PSIG)	218	260	302	343	396	449	502
		LIQUID TEMPERATURE (°F)	67	77	87	98	107	116	126
		LIQUID SUBCOOLING (°F)	8	9	9	8	9	9	8
		SUCTION PRESSURE (PSIG)	161	162	163	165	167	170	173
		SUCTION TEMPERATURE (°F)	66	67	67	68	70	72	74
		SUCTION SUPERHEAT (°F)	9	9	10	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.5	5.4	6.3	7.1	8.3	9.5	10.7
		COMPRESSOR CURRENT (A)	3.3	4.2	5.1	6.0	7.2	8.4	9.6
		INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	16	15	14
	850	LIQUID PRESSURE (PSIG)	219	261	302	344	397	449	502
		LIQUID TEMPERATURE (°F)	67	77	87	98	107	117	126
		LIQUID SUBCOOLING (°F)	8	9	9	8	9	9	8
		SUCTION PRESSURE (PSIG)	162	163	164	166	169	172	175
		SUCTION TEMPERATURE (°F)	67	67	68	69	71	73	75
		SUCTION SUPERHEAT (°F)	9	10	10	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.5	5.4	6.3	7.2	8.3	9.5	10.7
		COMPRESSOR CURRENT (A)	3.3	4.2	5.1	6.0	7.2	8.4	9.6
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	16	15	14

CZH03611(C) (HIGH STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1050	LIQUID PRESSURE (PSIG)	228	270	313	355	409	463	517
		LIQUID TEMPERATURE (°F)	67	76	86	95	105	114	124
		LIQUID SUBCOOLING (°F)	10	12	13	13	14	13	12
		SUCTION PRESSURE (PSIG)	127	130	132	135	137	140	142
		SUCTION TEMPERATURE (°F)	55	56	57	58	60	62	64
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.8	8.8	9.8	10.8	12.3	13.8	15.3
		COMPRESSOR CURRENT (A)	6.7	7.7	8.6	9.6	11.1	12.6	14.2
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	21	20
	1150	LIQUID PRESSURE (PSIG)	228	271	314	357	410	464	518
		LIQUID TEMPERATURE (°F)	67	77	86	95	105	114	124
		LIQUID SUBCOOLING (°F)	11	12	13	13	14	13	12
		SUCTION PRESSURE (PSIG)	129	132	134	137	139	141	144
		SUCTION TEMPERATURE (°F)	55	56	57	59	60	62	64
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.9	8.9	9.9	10.8	12.3	13.8	15.3
		COMPRESSOR CURRENT (A)	6.7	7.7	8.7	9.7	11.2	12.7	14.2
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	19
	1250	LIQUID PRESSURE (PSIG)	229	272	315	358	411	465	518
		LIQUID TEMPERATURE (°F)	67	77	86	95	105	115	124
		LIQUID SUBCOOLING (°F)	11	13	13	13	14	13	12
		SUCTION PRESSURE (PSIG)	131	134	136	139	141	143	145
		SUCTION TEMPERATURE (°F)	56	57	58	60	61	63	65
		SUCTION SUPERHEAT (°F)	10	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.9	8.9	9.9	10.9	12.4	13.8	15.3
		COMPRESSOR CURRENT (A)	6.7	7.7	8.7	9.7	11.2	12.7	14.2
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	19
80/57	1050	LIQUID PRESSURE (PSIG)	224	267	311	354	409	463	518
		LIQUID TEMPERATURE (°F)	67	76	86	95	105	115	125
		LIQUID SUBCOOLING (°F)	10	12	13	12	13	13	12
		SUCTION PRESSURE (PSIG)	120	124	128	131	135	140	144
		SUCTION TEMPERATURE (°F)	54	55	56	58	60	62	64
		SUCTION SUPERHEAT (°F)	13	13	13	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	7.7	8.7	9.8	10.8	12.3	13.8	15.3
		COMPRESSOR CURRENT (A)	6.6	7.6	8.6	9.6	11.2	12.7	14.2
		INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	27	26	25
	1150	LIQUID PRESSURE (PSIG)	226	269	313	356	410	465	519
		LIQUID TEMPERATURE (°F)	67	76	86	96	105	115	125
		LIQUID SUBCOOLING (°F)	10	12	13	12	13	13	12
		SUCTION PRESSURE (PSIG)	125	128	131	135	139	143	147
		SUCTION TEMPERATURE (°F)	55	56	58	59	61	63	66
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	7.8	8.8	9.8	10.8	12.3	13.9	15.4
		COMPRESSOR CURRENT (A)	6.6	7.6	8.7	9.7	11.2	12.7	14.3
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	23
	1250	LIQUID PRESSURE (PSIG)	228	271	314	358	412	466	520
		LIQUID TEMPERATURE (°F)	67	77	86	96	105	115	124
		LIQUID SUBCOOLING (°F)	11	13	13	12	13	13	12
		SUCTION PRESSURE (PSIG)	129	132	135	138	142	146	150
		SUCTION TEMPERATURE (°F)	55	57	59	60	62	65	67
		SUCTION SUPERHEAT (°F)	11	11	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	7.9	8.9	9.9	10.9	12.4	13.9	15.4
		COMPRESSOR CURRENT (A)	6.7	7.7	8.7	9.7	11.2	12.8	14.3
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	24	23	22

Continued on next page.

CZH03611(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1050	LIQUID PRESSURE (PSIG)	227	270	313	356	410	464	517
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	115	124
		LIQUID SUBCOOLING (°F)	11	12	13	12	13	13	12
		SUCTION PRESSURE (PSIG)	127	130	133	135	138	141	145
		SUCTION TEMPERATURE (°F)	54	56	58	60	62	63	64
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	7.9	8.9	9.9	10.9	12.3	13.8	15.3
		COMPRESSOR CURRENT (A)	6.6	7.7	8.7	9.7	11.2	12.7	14.2
		INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	26	25	25
	1150	LIQUID PRESSURE (PSIG)	228	271	314	357	411	465	518
		LIQUID TEMPERATURE (°F)	67	76	86	96	105	115	124
		LIQUID SUBCOOLING (°F)	11	13	13	13	13	13	12
		SUCTION PRESSURE (PSIG)	130	133	135	138	141	144	147
		SUCTION TEMPERATURE (°F)	55	57	59	61	62	64	65
		SUCTION SUPERHEAT (°F)	10	11	12	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	7.9	8.9	9.9	10.9	12.4	13.9	15.3
		COMPRESSOR CURRENT (A)	6.7	7.7	8.7	9.7	11.2	12.7	14.2
		INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	24	23
	1250	LIQUID PRESSURE (PSIG)	229	272	315	358	412	466	519
		LIQUID TEMPERATURE (°F)	67	77	86	95	105	114	124
		LIQUID SUBCOOLING (°F)	11	13	13	13	14	14	12
		SUCTION PRESSURE (PSIG)	133	135	138	140	143	146	148
		SUCTION TEMPERATURE (°F)	56	58	60	62	63	65	66
		SUCTION SUPERHEAT (°F)	10	11	12	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	8.0	8.9	9.9	10.9	12.4	13.9	15.4
		COMPRESSOR CURRENT (A)	6.7	7.7	8.7	9.8	11.3	12.8	14.3
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	24	23	22
80/67	1050	LIQUID PRESSURE (PSIG)	232	275	318	361	414	468	522
		LIQUID TEMPERATURE (°F)	67	77	86	96	105	115	124
		LIQUID SUBCOOLING (°F)	12	13	14	13	14	14	13
		SUCTION PRESSURE (PSIG)	140	142	143	145	148	151	154
		SUCTION TEMPERATURE (°F)	58	60	61	62	64	66	67
		SUCTION SUPERHEAT (°F)	9	10	11	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	8.0	9.0	10.0	10.9	12.5	14.0	15.5
		COMPRESSOR CURRENT (A)	6.8	7.8	8.8	9.8	11.3	12.9	14.5
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	22	21	20
	1150	LIQUID PRESSURE (PSIG)	232	276	319	362	415	469	523
		LIQUID TEMPERATURE (°F)	67	77	87	96	106	115	125
		LIQUID SUBCOOLING (°F)	12	13	14	13	14	13	13
		SUCTION PRESSURE (PSIG)	143	144	146	147	150	153	156
		SUCTION TEMPERATURE (°F)	59	61	62	63	65	67	69
		SUCTION SUPERHEAT (°F)	9	10	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	8.0	9.0	10.0	11.0	12.5	14.0	15.5
		COMPRESSOR CURRENT (A)	6.8	7.8	8.8	9.8	11.3	12.9	14.4
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	20
	1250	LIQUID PRESSURE (PSIG)	233	276	320	363	416	470	524
		LIQUID TEMPERATURE (°F)	67	77	87	97	106	116	125
		LIQUID SUBCOOLING (°F)	12	14	14	13	13	13	12
		SUCTION PRESSURE (PSIG)	145	147	148	149	152	154	157
		SUCTION TEMPERATURE (°F)	60	62	63	64	67	69	71
		SUCTION SUPERHEAT (°F)	9	10	11	12	13	14	16
		OUTDOOR UNIT CURRENT (A)	8.0	9.0	10.0	11.0	12.5	14.0	15.5
		COMPRESSOR CURRENT (A)	6.8	7.8	8.9	9.9	11.4	12.9	14.4
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	20	19

Continued on next page.

CZH03611(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1050	LIQUID PRESSURE (PSIG)	235	279	322	366	419	473	527
		LIQUID TEMPERATURE (°F)	67	77	87	97	106	115	125
		LIQUID SUBCOOLING (°F)	13	14	14	13	14	14	13
		SUCTION PRESSURE (PSIG)	150	153	155	158	160	162	165
		SUCTION TEMPERATURE (°F)	63	64	66	67	69	71	73
		SUCTION SUPERHEAT (°F)	10	11	11	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	8.1	9.1	10.1	11.1	12.6	14.1	15.6
		COMPRESSOR CURRENT (A)	6.9	7.9	8.9	10.0	11.5	13.0	14.5
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	18	17	17	16
	1150	LIQUID PRESSURE (PSIG)	236	280	323	367	420	474	528
		LIQUID TEMPERATURE (°F)	67	77	87	97	106	116	125
		LIQUID SUBCOOLING (°F)	13	14	14	13	14	14	13
		SUCTION PRESSURE (PSIG)	152	154	157	160	162	164	167
		SUCTION TEMPERATURE (°F)	64	65	66	68	70	72	74
		SUCTION SUPERHEAT (°F)	11	11	11	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	8.1	9.1	10.1	11.1	12.7	14.2	15.7
		COMPRESSOR CURRENT (A)	6.9	7.9	9.0	10.0	11.5	13.0	14.5
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	16	16	15
	1250	LIQUID PRESSURE (PSIG)	237	280	324	368	421	475	529
		LIQUID TEMPERATURE (°F)	67	77	87	97	106	116	125
		LIQUID SUBCOOLING (°F)	13	14	14	13	14	14	13
		SUCTION PRESSURE (PSIG)	153	156	159	162	164	167	169
		SUCTION TEMPERATURE (°F)	64	66	67	68	70	72	74
		SUCTION SUPERHEAT (°F)	11	11	11	11	13	14	15
		OUTDOOR UNIT CURRENT (A)	8.1	9.2	10.2	11.2	12.7	14.2	15.7
		COMPRESSOR CURRENT (A)	6.9	8.0	9.0	10.0	11.5	13.1	14.6
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	15	15	14

FOR USE WITH MODELS:

CZH04811(C)
AC8B048F3C
AL8B048F3C

CZH04811(C) (HIGH STAGE) 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			
65	236(9)	239(9)	242(9)	246(10)
70	257(9)	259(10)	263(10)	267(10)
75	279(10)	281(10)	285(10)	289(10)
80	301(10)	303(10)	307(10)	312(11)
85	324(10)	326(10)	331(10)	335(11)
90	348(10)	350(10)	355(10)	359(11)
95	373(10)	374(10)	379(10)	384(11)
100	398(10)	399(10)	404(10)	409(11)
105	424(10)	425(10)	430(10)	435(11)
110	451(10)	452(9)	457(9)	462(10)
115	479(9)	480(9)	484(9)	490(10)
120	508(9)	508(9)	512(9)	518(10)
125	537(8)	537(8)	541(8)	547(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.

CZH04811(C) (LOW STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
CZH04811(C) (LOW STAGE)	35	107	30.8	1.79	29.0	2.04	27.1	2.33	25.1	2.65	22.9	3.04	20.6	3.49	18.3	4.03
	40	118	34.7	1.76	32.7	2.01	30.7	2.28	28.5	2.59	26.1	2.97	23.7	3.42	21.1	3.93
	45	130	38.9	1.74	36.7	1.98	34.5	2.24	32.1	2.54	29.6	2.90	27.0	3.34	24.2	3.83
	50	142	43.1	1.74	40.8	1.97	38.5	2.22	36.1	2.49	33.4	2.84	30.6	3.26	27.6	3.74
	55	156	47.8	1.74	45.2	1.96	42.6	2.21	40.0	2.48	37.2	2.80	34.3	3.19	31.2	3.65

CZH04811(C) (HIGH STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
CZH04811(C) (HIGH STAGE)	35	107	44.7	2.76	42.5	3.03	40.2	3.31	37.8	3.62	35.2	3.97	32.6	4.35	29.7	4.80
	40	118	49.2	2.81	46.8	3.07	44.2	3.37	41.6	3.67	39.0	4.02	36.1	4.40	33.2	4.82
	45	130	53.9	2.86	51.1	3.14	48.6	3.41	45.8	3.72	42.9	4.07	39.9	4.45	36.8	4.86
	50	142	59.0	2.92	56.2	3.19	53.2	3.47	50.2	3.78	47.0	4.14	43.8	4.51	40.5	4.92
	55	156	64.4	2.99	61.3	3.25	58.1	3.53	54.8	3.85	51.4	4.20	47.9	4.59	44.6	4.97

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

CZH04811(C) (LOW STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1050	LIQUID PRESSURE (PSIG)	220	262	305	347	400	454	507
		LIQUID TEMPERATURE (°F)	69	80	90	100	110	119	129
		LIQUID SUBCOOLING (°F)	6	7	7	6	7	7	6
		SUCTION PRESSURE (PSIG)	127	129	132	134	137	139	142
		SUCTION TEMPERATURE (°F)	52	54	56	59	61	64	66
		SUCTION SUPERHEAT (°F)	8	10	11	12	14	15	16
		OUTDOOR UNIT CURRENT (A)	6.8	7.9	9.0	10.1	11.7	13.2	14.8
		COMPRESSOR CURRENT (A)	5.6	6.8	7.9	9.0	10.6	12.1	13.7
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	19
	1100	LIQUID PRESSURE (PSIG)	220	262	305	347	401	454	508
		LIQUID TEMPERATURE (°F)	70	80	89	99	109	119	129
		LIQUID SUBCOOLING (°F)	6	7	8	7	7	7	6
		SUCTION PRESSURE (PSIG)	128	130	133	135	138	140	143
		SUCTION TEMPERATURE (°F)	53	55	56	58	61	64	66
		SUCTION SUPERHEAT (°F)	8	10	11	12	13	15	16
		OUTDOOR UNIT CURRENT (A)	6.8	7.9	9.0	10.1	11.7	13.2	14.7
		COMPRESSOR CURRENT (A)	5.6	6.7	7.9	9.0	10.6	12.1	13.7
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	21	20	19
	1150	LIQUID PRESSURE (PSIG)	220	263	305	347	401	454	508
		LIQUID TEMPERATURE (°F)	70	79	89	99	109	119	129
		LIQUID SUBCOOLING (°F)	6	7	8	7	8	7	6
		SUCTION PRESSURE (PSIG)	129	132	134	136	139	141	144
		SUCTION TEMPERATURE (°F)	53	55	56	58	61	64	67
		SUCTION SUPERHEAT (°F)	9	9	10	11	13	14	16
		OUTDOOR UNIT CURRENT (A)	6.8	7.9	9.0	10.1	11.7	13.2	14.7
		COMPRESSOR CURRENT (A)	5.6	6.7	7.9	9.0	10.6	12.1	13.7
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	19
80/57	1050	LIQUID PRESSURE (PSIG)	218	261	303	346	400	454	508
		LIQUID TEMPERATURE (°F)	69	79	90	100	110	120	130
		LIQUID SUBCOOLING (°F)	6	7	7	6	7	6	5
		SUCTION PRESSURE (PSIG)	122	125	129	133	137	142	147
		SUCTION TEMPERATURE (°F)	51	53	56	58	61	65	68
		SUCTION SUPERHEAT (°F)	10	11	11	12	14	15	17
		OUTDOOR UNIT CURRENT (A)	6.8	7.9	9.0	10.1	11.7	13.2	14.7
		COMPRESSOR CURRENT (A)	5.7	6.8	7.9	9.0	10.5	12.1	13.7
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	25	24	23
	1100	LIQUID PRESSURE (PSIG)	219	261	304	347	401	455	509
		LIQUID TEMPERATURE (°F)	69	80	90	100	110	120	130
		LIQUID SUBCOOLING (°F)	6	7	7	6	7	7	5
		SUCTION PRESSURE (PSIG)	124	127	131	134	139	144	149
		SUCTION TEMPERATURE (°F)	52	54	56	58	62	65	68
		SUCTION SUPERHEAT (°F)	10	10	11	12	13	15	16
		OUTDOOR UNIT CURRENT (A)	6.8	7.9	9.0	10.1	11.6	13.2	14.7
		COMPRESSOR CURRENT (A)	5.7	6.8	7.9	9.0	10.5	12.1	13.6
		INDOOR COIL DB TEMP DROP (°F)	30	28	27	26	25	23	22
	1150	LIQUID PRESSURE (PSIG)	219	262	305	348	402	456	510
		LIQUID TEMPERATURE (°F)	69	80	90	100	110	120	130
		LIQUID SUBCOOLING (°F)	6	7	7	6	7	7	5
		SUCTION PRESSURE (PSIG)	125	129	132	136	141	146	150
		SUCTION TEMPERATURE (°F)	52	54	57	59	62	65	68
		SUCTION SUPERHEAT (°F)	9	10	11	12	13	14	16
		OUTDOOR UNIT CURRENT (A)	6.8	7.9	9.0	10.1	11.6	13.2	14.7
		COMPRESSOR CURRENT (A)	5.6	6.8	7.9	9.0	10.5	12.1	13.6
		INDOOR COIL DB TEMP DROP (°F)	29	28	26	25	24	23	21

Continued on next page.

CZH04811(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1050	LIQUID PRESSURE (PSIG)	220	263	305	348	401	455	508
		LIQUID TEMPERATURE (°F)	70	80	90	100	110	120	129
		LIQUID SUBCOOLING (°F)	6	7	7	6	7	7	6
		SUCTION PRESSURE (PSIG)	127	130	132	135	138	141	145
		SUCTION TEMPERATURE (°F)	53	55	57	59	62	64	67
		SUCTION SUPERHEAT (°F)	9	10	11	12	13	15	16
		OUTDOOR UNIT CURRENT (A)	6.8	7.9	9.0	10.2	11.7	13.2	14.8
		COMPRESSOR CURRENT (A)	5.6	6.8	7.9	9.0	10.6	12.1	13.7
		INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	24	24
	1100	LIQUID PRESSURE (PSIG)	220	263	306	348	402	455	509
		LIQUID TEMPERATURE (°F)	70	80	90	100	110	120	130
		LIQUID SUBCOOLING (°F)	6	7	7	6	7	7	5
		SUCTION PRESSURE (PSIG)	129	131	133	136	140	143	147
		SUCTION TEMPERATURE (°F)	53	55	57	59	62	65	68
		SUCTION SUPERHEAT (°F)	9	10	11	12	13	15	16
		OUTDOOR UNIT CURRENT (A)	6.8	7.9	9.0	10.1	11.7	13.2	14.7
		COMPRESSOR CURRENT (A)	5.6	6.8	7.9	9.0	10.6	12.1	13.7
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	25	24	23
	1150	LIQUID PRESSURE (PSIG)	221	263	306	349	402	456	509
		LIQUID TEMPERATURE (°F)	70	80	90	100	110	120	130
		LIQUID SUBCOOLING (°F)	6	7	7	6	7	6	5
		SUCTION PRESSURE (PSIG)	130	132	135	137	141	145	149
		SUCTION TEMPERATURE (°F)	54	56	58	59	62	65	68
		SUCTION SUPERHEAT (°F)	9	10	11	12	13	14	16
		OUTDOOR UNIT CURRENT (A)	6.8	7.9	9.0	10.1	11.6	13.2	14.7
		COMPRESSOR CURRENT (A)	5.7	6.8	7.9	9.0	10.6	12.1	13.6
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	24	23	22
80/67	1050	LIQUID PRESSURE (PSIG)	223	266	309	352	406	459	513
		LIQUID TEMPERATURE (°F)	70	80	91	101	110	120	130
		LIQUID SUBCOOLING (°F)	6	8	7	7	7	7	6
		SUCTION PRESSURE (PSIG)	139	141	143	146	149	152	155
		SUCTION TEMPERATURE (°F)	57	59	60	62	64	66	68
		SUCTION SUPERHEAT (°F)	8	9	10	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	6.7	7.9	9.0	10.1	11.6	13.2	14.7
		COMPRESSOR CURRENT (A)	5.6	6.7	7.8	9.0	10.5	12.1	13.7
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	20
	1100	LIQUID PRESSURE (PSIG)	223	266	309	352	406	459	512
		LIQUID TEMPERATURE (°F)	70	80	90	101	110	120	130
		LIQUID SUBCOOLING (°F)	6	8	8	7	7	7	6
		SUCTION PRESSURE (PSIG)	141	143	145	147	150	153	156
		SUCTION TEMPERATURE (°F)	57	59	61	62	65	67	69
		SUCTION SUPERHEAT (°F)	8	9	10	11	12	13	15
		OUTDOOR UNIT CURRENT (A)	6.7	7.8	9.0	10.1	11.6	13.2	14.7
		COMPRESSOR CURRENT (A)	5.6	6.7	7.8	9.0	10.5	12.1	13.6
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	21	20	19
	1150	LIQUID PRESSURE (PSIG)	224	267	310	353	406	459	512
		LIQUID TEMPERATURE (°F)	70	80	90	100	110	120	130
		LIQUID SUBCOOLING (°F)	6	7	8	7	7	7	6
		SUCTION PRESSURE (PSIG)	142	144	146	148	151	154	157
		SUCTION TEMPERATURE (°F)	58	60	61	63	65	68	70
		SUCTION SUPERHEAT (°F)	9	9	10	11	12	14	15
		OUTDOOR UNIT CURRENT (A)	6.7	7.8	9.0	10.1	11.6	13.1	14.7
		COMPRESSOR CURRENT (A)	5.5	6.7	7.8	9.0	10.5	12.1	13.6
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	20	19

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CZH04811(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1050	LIQUID PRESSURE (PSIG)	226	269	313	356	409	463	516
		LIQUID TEMPERATURE (°F)	70	81	91	101	111	120	130
		LIQUID SUBCOOLING (°F)	7	8	8	7	7	7	6
		SUCTION PRESSURE (PSIG)	150	153	156	159	161	164	166
		SUCTION TEMPERATURE (°F)	62	63	65	66	69	71	74
		SUCTION SUPERHEAT (°F)	9	10	10	10	12	14	15
		OUTDOOR UNIT CURRENT (A)	6.7	7.8	9.0	10.1	11.6	13.1	14.6
		COMPRESSOR CURRENT (A)	5.5	6.7	7.8	8.9	10.5	12.0	13.5
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	16	16	15
	1100	LIQUID PRESSURE (PSIG)	226	270	313	356	409	463	517
		LIQUID TEMPERATURE (°F)	71	81	91	101	111	121	130
		LIQUID SUBCOOLING (°F)	7	8	8	7	7	7	6
		SUCTION PRESSURE (PSIG)	151	154	157	159	162	164	167
		SUCTION TEMPERATURE (°F)	62	64	65	66	69	71	74
		SUCTION SUPERHEAT (°F)	9	10	10	10	12	13	15
		OUTDOOR UNIT CURRENT (A)	6.7	7.8	9.0	10.1	11.6	13.1	14.6
		COMPRESSOR CURRENT (A)	5.5	6.7	7.8	8.9	10.5	12.0	13.6
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	17	16	15	15
	1150	LIQUID PRESSURE (PSIG)	227	270	313	356	410	463	517
		LIQUID TEMPERATURE (°F)	71	81	91	101	111	121	131
		LIQUID SUBCOOLING (°F)	7	8	8	7	7	7	6
		SUCTION PRESSURE (PSIG)	152	155	157	160	163	165	168
		SUCTION TEMPERATURE (°F)	63	64	65	66	69	71	73
		SUCTION SUPERHEAT (°F)	9	10	10	10	11	13	14
		OUTDOOR UNIT CURRENT (A)	6.7	7.8	9.0	10.1	11.6	13.1	14.6
		COMPRESSOR CURRENT (A)	5.5	6.7	7.8	9.0	10.5	12.0	13.6
		INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	16	15	15

CZH04811(C) (HIGH STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1550	LIQUID PRESSURE (PSIG)	236	280	324	369	423	478	533
		LIQUID TEMPERATURE (°F)	70	80	91	101	111	120	130
		LIQUID SUBCOOLING (°F)	10	11	11	10	10	10	8
		SUCTION PRESSURE (PSIG)	124	126	128	130	133	136	139
		SUCTION TEMPERATURE (°F)	52	53	55	56	59	61	64
		SUCTION SUPERHEAT (°F)	10	10	11	11	13	14	16
		OUTDOOR UNIT CURRENT (A)	10.6	11.8	13.1	14.3	16.1	17.9	19.8
		COMPRESSOR CURRENT (A)	9.4	10.7	11.9	13.2	15.0	16.9	18.7
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	21	20	19
	1650	LIQUID PRESSURE (PSIG)	237	281	325	369	424	478	533
		LIQUID TEMPERATURE (°F)	71	81	91	101	111	121	131
		LIQUID SUBCOOLING (°F)	9	10	11	10	10	10	8
		SUCTION PRESSURE (PSIG)	125	127	129	131	134	137	140
		SUCTION TEMPERATURE (°F)	53	54	55	57	59	62	64
		SUCTION SUPERHEAT (°F)	10	10	11	11	13	14	16
		OUTDOOR UNIT CURRENT (A)	10.6	11.8	13.1	14.3	16.2	18.0	19.8
		COMPRESSOR CURRENT (A)	9.4	10.7	12.0	13.3	15.1	16.9	18.8
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	19
	1750	LIQUID PRESSURE (PSIG)	237	282	326	370	425	479	534
		LIQUID TEMPERATURE (°F)	72	81	91	100	111	121	131
		LIQUID SUBCOOLING (°F)	8	10	11	10	10	10	8
		SUCTION PRESSURE (PSIG)	126	128	130	132	135	138	141
		SUCTION TEMPERATURE (°F)	53	55	56	57	60	62	65
		SUCTION SUPERHEAT (°F)	10	10	11	11	13	14	16
		OUTDOOR UNIT CURRENT (A)	10.6	11.9	13.1	14.4	16.2	18.0	19.9
		COMPRESSOR CURRENT (A)	9.4	10.7	12.0	13.3	15.1	17.0	18.8
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	19	18
80/57	1550	LIQUID PRESSURE (PSIG)	234	279	324	368	424	479	535
		LIQUID TEMPERATURE (°F)	71	81	91	101	111	121	131
		LIQUID SUBCOOLING (°F)	9	10	10	9	10	9	8
		SUCTION PRESSURE (PSIG)	120	123	126	130	134	139	143
		SUCTION TEMPERATURE (°F)	51	53	54	56	59	62	65
		SUCTION SUPERHEAT (°F)	10	11	11	11	12	14	15
		OUTDOOR UNIT CURRENT (A)	10.4	11.7	13.0	14.3	16.2	18.0	19.9
		COMPRESSOR CURRENT (A)	9.3	10.6	11.9	13.2	15.1	16.9	18.8
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	23	22
	1650	LIQUID PRESSURE (PSIG)	235	280	325	370	425	480	536
		LIQUID TEMPERATURE (°F)	71	81	91	101	111	121	131
		LIQUID SUBCOOLING (°F)	9	10	10	10	10	9	8
		SUCTION PRESSURE (PSIG)	122	125	129	132	136	141	145
		SUCTION TEMPERATURE (°F)	52	53	55	57	60	63	66
		SUCTION SUPERHEAT (°F)	10	11	11	11	12	14	15
		OUTDOOR UNIT CURRENT (A)	10.5	11.8	13.1	14.4	16.2	18.1	19.9
		COMPRESSOR CURRENT (A)	9.3	10.6	12.0	13.3	15.1	17.0	18.8
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	22	21
	1750	LIQUID PRESSURE (PSIG)	236	281	326	371	426	482	537
		LIQUID TEMPERATURE (°F)	71	81	91	101	111	121	131
		LIQUID SUBCOOLING (°F)	9	10	10	10	10	10	8
		SUCTION PRESSURE (PSIG)	124	128	131	134	138	143	147
		SUCTION TEMPERATURE (°F)	53	54	56	58	61	63	66
		SUCTION SUPERHEAT (°F)	10	10	11	11	12	14	15
		OUTDOOR UNIT CURRENT (A)	10.6	11.8	13.1	14.4	16.3	18.1	20.0
		COMPRESSOR CURRENT (A)	9.4	10.7	12.0	13.3	15.2	17.0	18.9
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	21	20

Continued on next page.

CZH04811(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1550	LIQUID PRESSURE (PSIG)	237	282	326	371	425	480	535
		LIQUID TEMPERATURE (°F)	71	81	91	102	111	121	131
		LIQUID SUBCOOLING (°F)	9	10	10	9	10	9	8
		SUCTION PRESSURE (PSIG)	125	127	129	132	135	139	142
		SUCTION TEMPERATURE (°F)	52	54	55	57	60	63	66
		SUCTION SUPERHEAT (°F)	10	10	11	12	13	15	16
		OUTDOOR UNIT CURRENT (A)	10.5	11.8	13.1	14.4	16.2	18.0	19.9
		COMPRESSOR CURRENT (A)	9.4	10.7	12.0	13.3	15.1	17.0	18.8
		INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	24	23	22
	1650	LIQUID PRESSURE (PSIG)	238	282	327	371	426	481	536
		LIQUID TEMPERATURE (°F)	71	82	92	102	111	121	131
		LIQUID SUBCOOLING (°F)	9	10	10	9	10	9	8
		SUCTION PRESSURE (PSIG)	126	129	131	133	137	141	144
		SUCTION TEMPERATURE (°F)	53	55	56	58	61	64	66
		SUCTION SUPERHEAT (°F)	10	10	11	12	13	14	16
		OUTDOOR UNIT CURRENT (A)	10.6	11.9	13.2	14.5	16.3	18.1	19.9
		COMPRESSOR CURRENT (A)	9.4	10.7	12.1	13.4	15.2	17.1	18.9
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	25	24	23	22
	1750	LIQUID PRESSURE (PSIG)	238	283	327	372	427	482	537
		LIQUID TEMPERATURE (°F)	72	82	92	102	111	121	131
		LIQUID SUBCOOLING (°F)	9	10	10	9	10	10	8
		SUCTION PRESSURE (PSIG)	128	130	133	135	139	143	147
		SUCTION TEMPERATURE (°F)	54	55	57	58	61	64	67
		SUCTION SUPERHEAT (°F)	10	10	11	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	10.6	11.9	13.2	14.5	16.4	18.2	20.0
		COMPRESSOR CURRENT (A)	9.5	10.8	12.1	13.4	15.3	17.1	19.0
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	22	21
80/67	1550	LIQUID PRESSURE (PSIG)	241	286	331	376	431	485	540
		LIQUID TEMPERATURE (°F)	72	82	93	103	113	122	132
		LIQUID SUBCOOLING (°F)	9	10	10	9	10	9	8
		SUCTION PRESSURE (PSIG)	135	137	140	142	145	148	151
		SUCTION TEMPERATURE (°F)	57	58	60	61	63	65	68
		SUCTION SUPERHEAT (°F)	10	10	11	11	12	14	15
		OUTDOOR UNIT CURRENT (A)	10.8	12.1	13.4	14.7	16.5	18.4	20.2
		COMPRESSOR CURRENT (A)	9.7	11.0	12.3	13.6	15.4	17.3	19.1
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19
	1650	LIQUID PRESSURE (PSIG)	241	286	331	377	431	486	540
		LIQUID TEMPERATURE (°F)	72	82	93	103	112	122	132
		LIQUID SUBCOOLING (°F)	9	10	10	9	10	9	8
		SUCTION PRESSURE (PSIG)	136	138	141	143	146	149	152
		SUCTION TEMPERATURE (°F)	57	59	60	61	64	66	68
		SUCTION SUPERHEAT (°F)	10	10	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	10.9	12.1	13.4	14.7	16.5	18.4	20.2
		COMPRESSOR CURRENT (A)	9.7	11.0	12.3	13.6	15.4	17.3	19.1
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	19
	1750	LIQUID PRESSURE (PSIG)	241	287	332	377	432	486	541
		LIQUID TEMPERATURE (°F)	72	82	93	103	112	122	131
		LIQUID SUBCOOLING (°F)	9	10	10	10	10	10	8
		SUCTION PRESSURE (PSIG)	137	140	142	145	147	150	153
		SUCTION TEMPERATURE (°F)	58	59	60	62	64	66	68
		SUCTION SUPERHEAT (°F)	10	10	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	10.9	12.2	13.4	14.7	16.6	18.4	20.2
		COMPRESSOR CURRENT (A)	9.8	11.0	12.3	13.6	15.4	17.3	19.2
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	19	18

Continued on next page.

CZH04811(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1550	LIQUID PRESSURE (PSIG)	245	290	335	380	435	490	546
		LIQUID TEMPERATURE (°F)	73	83	93	103	112	122	132
		LIQUID SUBCOOLING (°F)	9	11	11	10	11	10	9
		SUCTION PRESSURE (PSIG)	146	149	151	154	157	160	162
		SUCTION TEMPERATURE (°F)	62	63	64	64	67	69	71
		SUCTION SUPERHEAT (°F)	11	10	10	10	12	13	14
		OUTDOOR UNIT CURRENT (A)	11.1	12.3	13.6	14.9	16.8	18.6	20.5
		COMPRESSOR CURRENT (A)	10.0	11.2	12.5	13.8	15.6	17.5	19.4
		INDOOR COIL DB TEMP DROP (°F)	18	18	17	16	16	15	15
	1650	LIQUID PRESSURE (PSIG)	245	291	336	381	436	491	546
		LIQUID TEMPERATURE (°F)	73	83	93	103	112	122	131
		LIQUID SUBCOOLING (°F)	9	11	11	10	11	10	9
		SUCTION PRESSURE (PSIG)	147	150	152	155	158	161	163
		SUCTION TEMPERATURE (°F)	62	63	64	65	67	69	72
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	11.1	12.4	13.7	15.0	16.8	18.7	20.5
		COMPRESSOR CURRENT (A)	10.0	11.3	12.6	13.8	15.7	17.6	19.4
		INDOOR COIL DB TEMP DROP (°F)	18	17	16	16	15	15	14
	1750	LIQUID PRESSURE (PSIG)	246	291	337	382	437	492	547
		LIQUID TEMPERATURE (°F)	73	83	93	103	113	122	131
		LIQUID SUBCOOLING (°F)	9	11	11	10	11	10	10
		SUCTION PRESSURE (PSIG)	148	151	154	156	159	162	164
		SUCTION TEMPERATURE (°F)	63	64	65	66	68	70	72
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	11.1	12.4	13.7	15.0	16.9	18.7	20.5
		COMPRESSOR CURRENT (A)	10.0	11.3	12.6	13.9	15.8	17.6	19.4
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	15	15	14	14

FOR USE WITH MODELS:

CZH06011(C)
AC8B060F3C
AL8B060F3C

CZH06011(C) (HIGH STAGE) 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			
65	247(11)	251(11)	256(11)	262(11)
70	269(11)	273(11)	277(11)	284(11)
75	292(12)	295(12)	300(11)	307(12)
80	315(12)	318(12)	323(12)	330(12)
85	339(12)	341(12)	347(12)	354(12)
90	363(12)	366(12)	371(12)	379(12)
95	389(12)	390(12)	396(12)	404(12)
100	414(12)	416(12)	422(12)	429(12)
105	441(12)	442(12)	448(12)	455(11)
110	468(11)	469(12)	474(11)	482(11)
115	496(11)	496(12)	502(11)	509(11)
120	524(10)	524(11)	530(11)	537(10)
125	553(10)	552(11)	558(10)	565(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.

CZH06011(C) (LOW STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
CZH06011(C) (LOW STAGE)	35	107	42.6	2.24	40.2	2.54	37.8	2.87	35.2	3.23	32.1	3.69	28.7	4.21	24.8	4.83
	40	118	47.0	2.23	44.4	2.54	41.7	2.88	38.9	3.24	35.9	3.67	32.5	4.17	28.5	4.77
	45	130	51.5	2.23	48.7	2.54	45.8	2.89	42.8	3.25	39.7	3.67	36.2	4.16	32.3	4.71
	50	142	56.3	2.24	53.3	2.55	50.3	2.89	47.1	3.26	43.7	3.68	40.1	4.15	36.1	4.67
	55	156	61.3	2.25	57.6	2.58	54.8	2.91	51.4	3.27	47.7	3.70	44.0	4.16	40.0	4.66

CZH06011(C) (HIGH STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
CZH06011(C) (HIGH STAGE)	35	107	60.0	3.54	56.9	3.89	53.7	4.26	50.4	4.68	46.9	5.15	43.4	5.62	39.6	6.17
	40	118	65.8	3.63	62.5	3.98	59.0	4.36	55.4	4.78	51.7	5.24	47.8	5.73	44.2	6.24
	45	130	72.0	3.73	68.4	4.08	64.6	4.46	60.7	4.88	56.7	5.36	52.6	5.84	49.1	6.29
	50	142	78.5	3.83	74.6	4.19	70.5	4.57	66.3	5.00	62.0	5.48	57.7	5.95	54.3	6.37
	55	156	85.4	3.95	81.1	4.30	76.7	4.68	72.2	5.13	67.7	5.60	63.1	6.07	59.3	6.51

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

CZH06011(C) (LOW STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1100	LIQUID PRESSURE (PSIG)	228	271	314	357	410	463	517
		LIQUID TEMPERATURE (°F)	71	81	90	100	110	119	129
		LIQUID SUBCOOLING (°F)	7	8	9	8	9	9	8
		SUCTION PRESSURE (PSIG)	120	123	126	129	131	134	136
		SUCTION TEMPERATURE (°F)	51	52	53	54	55	56	57
		SUCTION SUPERHEAT (°F)	10	10	10	9	10	10	10
		OUTDOOR UNIT CURRENT (A)	8.7	10.2	11.7	13.3	15.3	17.4	19.4
		COMPRESSOR CURRENT (A)	8.0	9.5	11.0	12.5	14.6	16.7	18.7
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	19
	1150	LIQUID PRESSURE (PSIG)	228	271	315	358	411	464	517
		LIQUID TEMPERATURE (°F)	71	81	90	100	110	119	129
		LIQUID SUBCOOLING (°F)	7	8	9	8	9	8	8
		SUCTION PRESSURE (PSIG)	121	124	127	130	132	134	136
		SUCTION TEMPERATURE (°F)	51	52	53	54	55	56	58
		SUCTION SUPERHEAT (°F)	10	10	10	9	10	10	10
		OUTDOOR UNIT CURRENT (A)	8.7	10.2	11.7	13.2	15.3	17.3	19.4
		COMPRESSOR CURRENT (A)	7.9	9.4	11.0	12.5	14.5	16.6	18.7
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	20	19
	1200	LIQUID PRESSURE (PSIG)	228	272	315	358	411	464	517
		LIQUID TEMPERATURE (°F)	71	81	91	100	110	119	129
		LIQUID SUBCOOLING (°F)	7	9	9	8	9	9	7
		SUCTION PRESSURE (PSIG)	122	125	128	131	133	135	137
		SUCTION TEMPERATURE (°F)	52	53	54	54	56	57	58
		SUCTION SUPERHEAT (°F)	11	10	10	9	10	10	10
		OUTDOOR UNIT CURRENT (A)	8.7	10.2	11.7	13.2	15.2	17.3	19.3
		COMPRESSOR CURRENT (A)	7.9	9.4	10.9	12.4	14.5	16.6	18.6
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	19
80/57	1100	LIQUID PRESSURE (PSIG)	359	358	357	357	410	464	518
		LIQUID TEMPERATURE (°F)	101	101	101	101	111	120	130
		LIQUID SUBCOOLING (°F)	8	8	8	7	8	7	6
		SUCTION PRESSURE (PSIG)	130	128	127	125	129	133	136
		SUCTION TEMPERATURE (°F)	55	55	54	53	55	56	58
		SUCTION SUPERHEAT (°F)	11	11	11	11	10	10	10
		OUTDOOR UNIT CURRENT (A)	13.2	13.2	13.2	13.3	15.3	17.4	19.4
		COMPRESSOR CURRENT (A)	12.5	12.5	12.5	12.5	14.6	16.6	18.7
		INDOOR COIL DB TEMP DROP (°F)	27	27	28	29	27	25	24
	1150	LIQUID PRESSURE (PSIG)	315	314	313	313	381	450	518
		LIQUID TEMPERATURE (°F)	91	91	90	90	104	117	130
		LIQUID SUBCOOLING (°F)	9	9	8	8	9	8	6
		SUCTION PRESSURE (PSIG)	126	125	123	121	127	132	138
		SUCTION TEMPERATURE (°F)	54	54	53	52	54	57	59
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	11.7	11.7	11.7	11.7	14.3	16.8	19.4
		COMPRESSOR CURRENT (A)	11.0	11.0	11.0	11.0	13.5	16.1	18.7
		INDOOR COIL DB TEMP DROP (°F)	28	28	29	30	28	25	23
	1200	LIQUID PRESSURE (PSIG)	271	270	270	269	352	435	518
		LIQUID TEMPERATURE (°F)	81	80	80	80	97	114	130
		LIQUID SUBCOOLING (°F)	8	8	8	8	10	9	6
		SUCTION PRESSURE (PSIG)	122	121	119	118	125	132	139
		SUCTION TEMPERATURE (°F)	53	52	52	51	54	57	60
		SUCTION SUPERHEAT (°F)	12	12	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	10.2	10.2	10.2	10.2	13.2	16.3	19.4
		COMPRESSOR CURRENT (A)	9.5	9.5	9.4	9.4	12.5	15.6	18.7
		INDOOR COIL DB TEMP DROP (°F)	29	30	30	31	28	25	22

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CZH06011(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1100	LIQUID PRESSURE (PSIG)	227	271	314	358	411	464	517
		LIQUID TEMPERATURE (°F)	71	81	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	7	8	9	8	9	9	8
		SUCTION PRESSURE (PSIG)	121	124	127	130	132	135	137
		SUCTION TEMPERATURE (°F)	53	54	54	54	56	58	60
		SUCTION SUPERHEAT (°F)	12	11	11	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	8.6	10.1	11.7	13.3	15.4	17.4	19.5
		COMPRESSOR CURRENT (A)	7.8	9.4	11.0	12.6	14.6	16.7	18.8
		INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	25	23
	1150	LIQUID PRESSURE (PSIG)	228	271	315	358	411	464	517
		LIQUID TEMPERATURE (°F)	71	81	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	7	8	9	8	9	9	8
		SUCTION PRESSURE (PSIG)	122	125	128	131	133	136	138
		SUCTION TEMPERATURE (°F)	53	54	54	55	57	58	60
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	8.6	10.2	11.7	13.3	15.4	17.4	19.5
		COMPRESSOR CURRENT (A)	7.8	9.4	11.0	12.6	14.6	16.7	18.7
		INDOOR COIL DB TEMP DROP (°F)	28	28	27	27	25	24	23
	1200	LIQUID PRESSURE (PSIG)	229	272	315	359	412	465	518
		LIQUID TEMPERATURE (°F)	71	81	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	7	9	9	9	9	9	8
		SUCTION PRESSURE (PSIG)	123	126	129	132	134	137	139
		SUCTION TEMPERATURE (°F)	54	54	55	55	57	58	59
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	8.6	10.2	11.7	13.3	15.4	17.4	19.4
		COMPRESSOR CURRENT (A)	7.8	9.4	11.0	12.6	14.6	16.7	18.7
		INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	24	22
80/67	1100	LIQUID PRESSURE (PSIG)	231	275	319	363	416	469	522
		LIQUID TEMPERATURE (°F)	71	81	91	101	111	120	130
		LIQUID SUBCOOLING (°F)	7	9	9	8	9	8	7
		SUCTION PRESSURE (PSIG)	130	134	137	141	143	145	147
		SUCTION TEMPERATURE (°F)	56	57	58	59	60	61	63
		SUCTION SUPERHEAT (°F)	11	10	10	9	10	11	11
		OUTDOOR UNIT CURRENT (A)	8.6	10.1	11.6	13.1	15.2	17.2	19.3
		COMPRESSOR CURRENT (A)	7.8	9.3	10.9	12.4	14.5	16.5	18.6
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	22	21	20
	1150	LIQUID PRESSURE (PSIG)	231	275	320	364	417	470	523
		LIQUID TEMPERATURE (°F)	71	81	91	102	111	120	130
		LIQUID SUBCOOLING (°F)	7	9	9	8	9	8	7
		SUCTION PRESSURE (PSIG)	131	135	138	142	144	146	147
		SUCTION TEMPERATURE (°F)	57	57	58	59	60	62	63
		SUCTION SUPERHEAT (°F)	11	10	10	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	8.5	10.1	11.6	13.2	15.2	17.3	19.3
		COMPRESSOR CURRENT (A)	7.8	9.3	10.9	12.5	14.5	16.6	18.6
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	19
	1200	LIQUID PRESSURE (PSIG)	231	276	320	365	417	470	523
		LIQUID TEMPERATURE (°F)	71	81	92	102	111	120	130
		LIQUID SUBCOOLING (°F)	7	9	9	8	9	8	7
		SUCTION PRESSURE (PSIG)	132	136	139	143	145	146	148
		SUCTION TEMPERATURE (°F)	57	58	58	59	61	62	64
		SUCTION SUPERHEAT (°F)	11	11	10	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	8.5	10.1	11.7	13.2	15.3	17.3	19.4
		COMPRESSOR CURRENT (A)	7.7	9.3	10.9	12.5	14.6	16.6	18.7
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19

Continued on next page.

CZH06011(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1100	LIQUID PRESSURE (PSIG)	236	280	324	368	422	475	528
		LIQUID TEMPERATURE (°F)	73	83	93	103	112	121	131
		LIQUID SUBCOOLING (°F)	7	9	9	8	8	8	7
		SUCTION PRESSURE (PSIG)	142	146	149	153	155	157	159
		SUCTION TEMPERATURE (°F)	60	61	62	63	65	66	68
		SUCTION SUPERHEAT (°F)	10	10	10	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	8.6	10.1	11.6	13.1	15.2	17.3	19.3
		COMPRESSOR CURRENT (A)	7.8	9.3	10.9	12.4	14.5	16.5	18.6
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	17	16	15
	1150	LIQUID PRESSURE (PSIG)	236	280	324	369	422	475	528
		LIQUID TEMPERATURE (°F)	73	83	93	103	112	121	131
		LIQUID SUBCOOLING (°F)	7	9	9	8	9	8	7
		SUCTION PRESSURE (PSIG)	143	147	151	154	156	158	160
		SUCTION TEMPERATURE (°F)	61	61	62	63	65	66	68
		SUCTION SUPERHEAT (°F)	10	10	10	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	8.5	10.0	11.6	13.1	15.2	17.2	19.3
		COMPRESSOR CURRENT (A)	7.7	9.3	10.8	12.4	14.5	16.5	18.6
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	16	15
	1200	LIQUID PRESSURE (PSIG)	236	280	325	369	422	475	528
		LIQUID TEMPERATURE (°F)	73	83	93	103	112	121	131
		LIQUID SUBCOOLING (°F)	7	9	9	8	8	8	7
		SUCTION PRESSURE (PSIG)	145	148	152	155	157	159	160
		SUCTION TEMPERATURE (°F)	61	62	63	64	65	67	68
		SUCTION SUPERHEAT (°F)	10	10	10	9	10	11	11
		OUTDOOR UNIT CURRENT (A)	8.4	10.0	11.6	13.1	15.2	17.2	19.3
		COMPRESSOR CURRENT (A)	7.6	9.2	10.8	12.4	14.5	16.5	18.6
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	16	15	14

CZH06011(C) (HIGH STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1750	LIQUID PRESSURE (PSIG)	249	295	341	386	440	495	549
		LIQUID TEMPERATURE (°F)	73	83	93	103	112	121	131
		LIQUID SUBCOOLING (°F)	10	12	12	11	12	11	10
		SUCTION PRESSURE (PSIG)	119	121	124	126	129	132	134
		SUCTION TEMPERATURE (°F)	50	51	51	52	54	55	57
		SUCTION SUPERHEAT (°F)	10	10	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	13.1	14.9	16.7	18.5	21.1	23.8	26.4
		COMPRESSOR CURRENT (A)	12.3	14.1	15.9	17.8	20.4	23.0	25.7
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19
	1850	LIQUID PRESSURE (PSIG)	250	296	341	387	441	495	550
		LIQUID TEMPERATURE (°F)	73	83	93	103	112	121	131
		LIQUID SUBCOOLING (°F)	11	12	12	11	12	11	10
		SUCTION PRESSURE (PSIG)	120	122	125	128	130	133	136
		SUCTION TEMPERATURE (°F)	51	51	52	53	54	56	57
		SUCTION SUPERHEAT (°F)	10	10	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	13.1	14.9	16.7	18.5	21.1	23.8	26.4
		COMPRESSOR CURRENT (A)	12.3	14.1	16.0	17.8	20.4	23.1	25.7
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	20	19
	1950	LIQUID PRESSURE (PSIG)	250	296	342	388	442	496	551
		LIQUID TEMPERATURE (°F)	73	83	93	103	112	122	131
		LIQUID SUBCOOLING (°F)	10	12	12	11	12	11	10
		SUCTION PRESSURE (PSIG)	120	123	126	129	132	134	137
		SUCTION TEMPERATURE (°F)	51	52	52	53	55	56	57
		SUCTION SUPERHEAT (°F)	10	10	9	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	13.1	14.9	16.7	18.6	21.2	23.8	26.4
		COMPRESSOR CURRENT (A)	12.3	14.2	16.0	17.8	20.4	23.1	25.7
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	18
80/57	1750	LIQUID PRESSURE (PSIG)	246	292	339	385	440	496	551
		LIQUID TEMPERATURE (°F)	72	82	92	103	112	122	132
		LIQUID SUBCOOLING (°F)	11	12	12	11	11	11	9
		SUCTION PRESSURE (PSIG)	113	117	121	125	128	132	136
		SUCTION TEMPERATURE (°F)	49	50	51	52	54	56	58
		SUCTION SUPERHEAT (°F)	12	11	10	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	12.8	14.7	16.6	18.5	21.1	23.8	26.4
		COMPRESSOR CURRENT (A)	12.1	14.0	15.9	17.7	20.4	23.1	25.7
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	24	22
	1850	LIQUID PRESSURE (PSIG)	247	293	340	386	441	497	553
		LIQUID TEMPERATURE (°F)	72	82	92	102	112	122	132
		LIQUID SUBCOOLING (°F)	10	12	12	12	12	11	9
		SUCTION PRESSURE (PSIG)	114	118	123	127	130	134	138
		SUCTION TEMPERATURE (°F)	50	51	52	53	55	57	59
		SUCTION SUPERHEAT (°F)	12	11	10	9	10	10	10
		OUTDOOR UNIT CURRENT (A)	12.9	14.7	16.6	18.5	21.2	23.9	26.6
		COMPRESSOR CURRENT (A)	12.1	14.0	15.9	17.8	20.5	23.2	25.9
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	23	22
	1950	LIQUID PRESSURE (PSIG)	247	294	340	387	442	498	554
		LIQUID TEMPERATURE (°F)	73	83	92	102	112	122	132
		LIQUID SUBCOOLING (°F)	10	12	12	12	12	11	10
		SUCTION PRESSURE (PSIG)	116	120	124	129	133	137	141
		SUCTION TEMPERATURE (°F)	51	52	53	54	56	57	59
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	12.9	14.8	16.6	18.5	21.2	24.0	26.7
		COMPRESSOR CURRENT (A)	12.1	14.0	15.9	17.8	20.5	23.2	26.0
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	22	21

Continued on next page.

CZH06011(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1750	LIQUID PRESSURE (PSIG)	250	295	341	387	442	496	551
		LIQUID TEMPERATURE (°F)	73	83	93	102	112	121	130
		LIQUID SUBCOOLING (°F)	11	12	12	12	12	12	11
		SUCTION PRESSURE (PSIG)	119	122	125	128	131	134	137
		SUCTION TEMPERATURE (°F)	51	52	53	53	55	56	58
		SUCTION SUPERHEAT (°F)	11	10	10	9	10	10	10
		OUTDOOR UNIT CURRENT (A)	13.0	14.9	16.8	18.6	21.3	23.9	26.6
		COMPRESSOR CURRENT (A)	12.3	14.2	16.0	17.9	20.5	23.2	25.8
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	26	25	24	23
	1850	LIQUID PRESSURE (PSIG)	250	296	342	388	442	497	552
		LIQUID TEMPERATURE (°F)	73	83	93	102	112	121	131
		LIQUID SUBCOOLING (°F)	10	12	12	12	12	12	11
		SUCTION PRESSURE (PSIG)	121	124	127	130	133	136	139
		SUCTION TEMPERATURE (°F)	52	53	53	54	55	57	58
		SUCTION SUPERHEAT (°F)	11	10	10	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	13.1	14.9	16.8	18.7	21.3	23.9	26.6
		COMPRESSOR CURRENT (A)	12.3	14.2	16.1	17.9	20.6	23.2	25.9
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	24	23	22
	1950	LIQUID PRESSURE (PSIG)	251	297	343	389	443	498	553
		LIQUID TEMPERATURE (°F)	74	83	93	102	112	122	131
		LIQUID SUBCOOLING (°F)	10	12	13	12	12	12	10
		SUCTION PRESSURE (PSIG)	122	125	128	131	134	137	140
		SUCTION TEMPERATURE (°F)	53	53	54	54	56	57	59
		SUCTION SUPERHEAT (°F)	11	10	10	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	13.1	15.0	16.8	18.7	21.3	24.0	26.6
		COMPRESSOR CURRENT (A)	12.3	14.2	16.1	18.0	20.6	23.3	25.9
		INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	23	22	21
80/67	1750	LIQUID PRESSURE (PSIG)	254	301	347	393	448	502	557
		LIQUID TEMPERATURE (°F)	74	84	94	104	114	123	132
		LIQUID SUBCOOLING (°F)	11	12	12	11	11	11	10
		SUCTION PRESSURE (PSIG)	130	133	136	138	141	144	147
		SUCTION TEMPERATURE (°F)	55	56	56	57	58	60	61
		SUCTION SUPERHEAT (°F)	10	10	9	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	13.3	15.2	17.0	18.9	21.5	24.1	26.7
		COMPRESSOR CURRENT (A)	12.5	14.4	16.3	18.1	20.7	23.3	26.0
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19
	1850	LIQUID PRESSURE (PSIG)	255	301	347	394	448	503	558
		LIQUID TEMPERATURE (°F)	74	84	94	104	114	123	132
		LIQUID SUBCOOLING (°F)	11	12	12	11	12	11	10
		SUCTION PRESSURE (PSIG)	131	134	137	140	142	145	148
		SUCTION TEMPERATURE (°F)	56	56	57	58	59	60	61
		SUCTION SUPERHEAT (°F)	10	10	9	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	13.3	15.2	17.0	18.9	21.5	24.1	26.7
		COMPRESSOR CURRENT (A)	12.6	14.4	16.3	18.1	20.8	23.4	26.0
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	18
	1950	LIQUID PRESSURE (PSIG)	255	302	348	394	449	504	558
		LIQUID TEMPERATURE (°F)	74	84	94	104	113	123	132
		LIQUID SUBCOOLING (°F)	11	12	12	11	12	12	10
		SUCTION PRESSURE (PSIG)	132	135	138	141	143	146	148
		SUCTION TEMPERATURE (°F)	56	57	57	58	59	61	62
		SUCTION SUPERHEAT (°F)	10	10	9	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	13.4	15.2	17.0	18.9	21.5	24.1	26.8
		COMPRESSOR CURRENT (A)	12.6	14.4	16.3	18.1	20.8	23.4	26.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	19	18

Continued on next page.

CZH06011(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1750	LIQUID PRESSURE (PSIG)	261	307	354	401	455	509	564
		LIQUID TEMPERATURE (°F)	76	86	96	106	115	124	133
		LIQUID SUBCOOLING (°F)	11	12	12	11	11	11	10
		SUCTION PRESSURE (PSIG)	140	144	147	151	153	155	158
		SUCTION TEMPERATURE (°F)	59	60	61	62	63	64	66
		SUCTION SUPERHEAT (°F)	10	9	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	13.4	15.3	17.1	19.0	21.6	24.3	27.0
		COMPRESSOR CURRENT (A)	12.6	14.5	16.4	18.2	20.9	23.6	26.3
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	16	16	15	14
	1850	LIQUID PRESSURE (PSIG)	261	308	355	402	456	510	565
		LIQUID TEMPERATURE (°F)	76	86	96	106	115	124	133
		LIQUID SUBCOOLING (°F)	11	12	12	11	11	11	10
		SUCTION PRESSURE (PSIG)	142	145	149	152	154	156	158
		SUCTION TEMPERATURE (°F)	60	61	61	62	64	65	66
		SUCTION SUPERHEAT (°F)	10	10	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	13.4	15.3	17.1	19.0	21.7	24.4	27.1
		COMPRESSOR CURRENT (A)	12.7	14.5	16.4	18.2	20.9	23.7	26.4
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	15	15	14
	1950	LIQUID PRESSURE (PSIG)	262	309	355	402	457	511	566
		LIQUID TEMPERATURE (°F)	76	86	96	106	115	124	134
		LIQUID SUBCOOLING (°F)	11	12	12	11	11	11	10
		SUCTION PRESSURE (PSIG)	144	147	150	153	155	157	159
		SUCTION TEMPERATURE (°F)	61	61	62	63	64	65	66
		SUCTION SUPERHEAT (°F)	10	10	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	13.5	15.3	17.1	19.0	21.7	24.4	27.1
		COMPRESSOR CURRENT (A)	12.7	14.5	16.4	18.2	21.0	23.7	26.4
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	14	14

FOR USE WITH MODELS:

CZF02413C
AC6B024F3C
AL6B024F3C

CZF02413C 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			
65	224(8)	226(9)	227(7)	229(5)
70	244(9)	246(10)	248(9)	250(7)
75	266(10)	268(11)	270(10)	272(8)
80	290(11)	292(11)	293(11)	295(10)
85	315(12)	317(12)	318(12)	320(11)
90	343(12)	344(12)	345(12)	346(11)
95	362(12)	363(12)	364(12)	365(11)
100	403(15)	404(15)	402(15)	403(14)
105	437(16)	437(16)	434(16)	433(15)
110	472(17)	471(17)	467(16)	465(16)
115	509(19)	507(18)	501(17)	499(16)
120	548(20)	545(19)	537(18)	533(17)
125	589(21)	584(20)	575(18)	569(17)

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

Charging chart is for use in Cooling mode only.

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

CZF02413C CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
CZF02413(C)	35	107	22.1	1.43	20.9	1.59	19.7	1.77	18.5	1.96	17.1	2.19	15.7	2.46	14.3	2.76
	40	118	24.4	1.42	23.1	1.58	21.8	1.76	20.4	1.95	19.0	2.18	17.5	2.44	15.9	2.74
	45	130	26.8	1.40	25.4	1.57	24.0	1.75	22.5	1.94	20.9	2.17	19.3	2.43	17.7	2.72
	50	142	29.4	1.40	27.9	1.57	26.3	1.75	24.7	1.94	23.0	2.16	21.3	2.42	19.5	2.71
	55	156	32.1	1.39	30.4	1.57	28.8	1.75	27.0	1.94	25.3	2.16	23.4	2.42	21.5	2.69

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

CZF02413C W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	220	269	318	367	442	517	593
		LIQUID TEMPERATURE (°F)	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	8	12	13	13	18	20	21
		SUCTION PRESSURE (PSIG)	119	121	122	124	127	131	134
		SUCTION TEMPERATURE (°F)	48	51	54	57	60	64	67
		SUCTION SUPERHEAT (°F)	7	10	12	15	17	18	20
		OUTDOOR UNIT CURRENT (A)	4.7	5.6	6.4	7.3	8.8	10.3	11.8
		COMPRESSOR CURRENT (A)	4.2	5.0	5.9	6.8	8.3	9.8	11.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	21	20
	800	LIQUID PRESSURE (PSIG)	222	270	319	367	440	513	587
		LIQUID TEMPERATURE (°F)	68	78	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	8	11	13	13	17	19	20
		SUCTION PRESSURE (PSIG)	125	127	128	130	133	136	139
		SUCTION TEMPERATURE (°F)	51	53	56	58	61	64	67
		SUCTION SUPERHEAT (°F)	8	10	12	13	15	17	19
		OUTDOOR UNIT CURRENT (A)	4.7	5.6	6.4	7.2	8.7	10.2	11.6
		COMPRESSOR CURRENT (A)	4.2	5.0	5.9	6.7	8.2	9.6	11.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	19	18
	1000	LIQUID PRESSURE (PSIG)	224	272	319	367	438	509	580
		LIQUID TEMPERATURE (°F)	69	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	11	13	13	17	18	19
		SUCTION PRESSURE (PSIG)	130	132	134	136	139	142	144
		SUCTION TEMPERATURE (°F)	54	56	57	59	62	65	68
		SUCTION SUPERHEAT (°F)	10	10	11	11	14	16	18
		OUTDOOR UNIT CURRENT (A)	4.7	5.6	6.4	7.2	8.6	10.0	11.5
		COMPRESSOR CURRENT (A)	4.2	5.0	5.9	6.7	8.1	9.5	10.9
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	17	16
80/57	600	LIQUID PRESSURE (PSIG)	221	269	316	363	443	523	604
		LIQUID TEMPERATURE (°F)	67	77	87	97	106	116	126
		LIQUID SUBCOOLING (°F)	9	11	13	13	18	21	23
		SUCTION PRESSURE (PSIG)	109	112	115	118	122	126	129
		SUCTION TEMPERATURE (°F)	47	50	53	56	60	63	67
		SUCTION SUPERHEAT (°F)	11	13	15	16	18	20	22
		OUTDOOR UNIT CURRENT (A)	4.8	5.6	6.4	7.2	8.9	10.5	12.2
		COMPRESSOR CURRENT (A)	4.3	5.1	5.9	6.7	8.4	10.0	11.7
		INDOOR COIL DB TEMP DROP (°F)	33	32	31	30	28	27	25
	800	LIQUID PRESSURE (PSIG)	222	270	317	364	438	512	587
		LIQUID TEMPERATURE (°F)	68	78	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	8	11	12	13	17	19	21
		SUCTION PRESSURE (PSIG)	121	123	125	128	132	136	140
		SUCTION TEMPERATURE (°F)	51	54	56	59	62	65	68
		SUCTION SUPERHEAT (°F)	10	12	13	15	16	18	19
		OUTDOOR UNIT CURRENT (A)	4.8	5.6	6.4	7.2	8.7	10.2	11.7
		COMPRESSOR CURRENT (A)	4.2	5.1	5.9	6.7	8.2	9.7	11.2
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	24	23	22
	1000	LIQUID PRESSURE (PSIG)	224	271	319	366	434	502	570
		LIQUID TEMPERATURE (°F)	70	79	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	7	10	12	13	16	18	18
		SUCTION PRESSURE (PSIG)	132	134	136	138	142	147	151
		SUCTION TEMPERATURE (°F)	55	57	60	62	64	67	69
		SUCTION SUPERHEAT (°F)	9	11	12	14	15	15	16
		OUTDOOR UNIT CURRENT (A)	4.7	5.6	6.4	7.2	8.5	9.9	11.2
		COMPRESSOR CURRENT (A)	4.2	5.0	5.8	6.7	8.0	9.4	10.7
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	18

Continued on next page.

CZF02413C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	600	LIQUID PRESSURE (PSIG)	221	270	319	368	444	519	594
		LIQUID TEMPERATURE (°F)	67	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	8	12	13	14	18	20	21
		SUCTION PRESSURE (PSIG)	118	121	123	126	129	131	134
		SUCTION TEMPERATURE (°F)	48	51	54	58	62	65	69
		SUCTION SUPERHEAT (°F)	8	10	12	15	17	20	22
		OUTDOOR UNIT CURRENT (A)	4.7	5.6	6.4	7.3	8.8	10.3	11.9
		COMPRESSOR CURRENT (A)	4.2	5.0	5.9	6.8	8.3	9.8	11.3
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	27	26	25	24
	800	LIQUID PRESSURE (PSIG)	224	271	319	366	438	510	583
		LIQUID TEMPERATURE (°F)	68	78	87	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	11	13	13	17	19	19
		SUCTION PRESSURE (PSIG)	125	127	130	132	135	138	141
		SUCTION TEMPERATURE (°F)	51	54	56	59	62	66	70
		SUCTION SUPERHEAT (°F)	9	10	12	13	16	18	21
		OUTDOOR UNIT CURRENT (A)	4.7	5.6	6.4	7.2	8.7	10.1	11.6
		COMPRESSOR CURRENT (A)	4.2	5.0	5.9	6.7	8.1	9.6	11.0
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	22	21
	1000	LIQUID PRESSURE (PSIG)	227	273	318	364	433	502	571
		LIQUID TEMPERATURE (°F)	69	79	88	97	107	117	127
		LIQUID SUBCOOLING (°F)	8	11	12	12	15	17	18
		SUCTION PRESSURE (PSIG)	131	134	136	139	142	144	147
		SUCTION TEMPERATURE (°F)	55	57	58	60	63	67	71
		SUCTION SUPERHEAT (°F)	10	10	11	11	14	17	19
		OUTDOOR UNIT CURRENT (A)	4.8	5.6	6.4	7.2	8.5	9.9	11.3
		COMPRESSOR CURRENT (A)	4.2	5.0	5.8	6.6	8.0	9.4	10.7
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19
80/67	600	LIQUID PRESSURE (PSIG)	225	271	318	364	435	507	578
		LIQUID TEMPERATURE (°F)	69	78	87	97	107	117	127
		LIQUID SUBCOOLING (°F)	8	11	12	13	16	18	19
		SUCTION PRESSURE (PSIG)	128	130	133	135	138	142	145
		SUCTION TEMPERATURE (°F)	53	55	57	59	62	65	68
		SUCTION SUPERHEAT (°F)	9	10	11	12	14	15	17
		OUTDOOR UNIT CURRENT (A)	4.8	5.6	6.4	7.2	8.6	10.0	11.4
		COMPRESSOR CURRENT (A)	4.2	5.0	5.8	6.6	8.0	9.5	10.9
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	22	21	20
	800	LIQUID PRESSURE (PSIG)	226	273	320	366	435	504	574
		LIQUID TEMPERATURE (°F)	70	79	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	7	10	12	13	16	18	18
		SUCTION PRESSURE (PSIG)	135	137	139	140	144	147	150
		SUCTION TEMPERATURE (°F)	55	57	60	62	64	67	69
		SUCTION SUPERHEAT (°F)	8	10	11	13	14	15	16
		OUTDOOR UNIT CURRENT (A)	4.8	5.6	6.4	7.2	8.5	9.9	11.2
		COMPRESSOR CURRENT (A)	4.2	5.0	5.8	6.6	8.0	9.4	10.7
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	19	18
	1000	LIQUID PRESSURE (PSIG)	227	274	322	369	435	502	569
		LIQUID TEMPERATURE (°F)	72	80	89	97	107	117	126
		LIQUID SUBCOOLING (°F)	6	10	12	13	16	17	17
		SUCTION PRESSURE (PSIG)	143	144	145	146	149	152	156
		SUCTION TEMPERATURE (°F)	57	60	62	65	66	68	70
		SUCTION SUPERHEAT (°F)	8	9	11	13	14	15	16
		OUTDOOR UNIT CURRENT (A)	4.8	5.6	6.4	7.2	8.5	9.8	11.1
		COMPRESSOR CURRENT (A)	4.2	5.0	5.8	6.7	8.0	9.3	10.6
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	17	16

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CZF02413C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	600	LIQUID PRESSURE (PSIG)	226	273	321	368	435	501	568
		LIQUID TEMPERATURE (°F)	71	80	89	97	107	117	127
		LIQUID SUBCOOLING (°F)	6	9	12	13	16	17	17
		SUCTION PRESSURE (PSIG)	141	142	144	145	149	153	157
		SUCTION TEMPERATURE (°F)	57	60	62	64	66	68	70
		SUCTION SUPERHEAT (°F)	8	10	11	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	4.8	5.6	6.4	7.2	8.5	9.8	11.1
		COMPRESSOR CURRENT (A)	4.2	5.0	5.8	6.6	7.9	9.2	10.5
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	18	17	17	16
	800	LIQUID PRESSURE (PSIG)	228	274	321	368	435	501	568
		LIQUID TEMPERATURE (°F)	73	81	89	98	108	117	127
		LIQUID SUBCOOLING (°F)	5	9	11	12	15	17	17
		SUCTION PRESSURE (PSIG)	147	149	151	153	156	159	162
		SUCTION TEMPERATURE (°F)	61	63	64	65	67	69	71
		SUCTION SUPERHEAT (°F)	10	10	11	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	4.7	5.5	6.3	7.1	8.4	9.7	11.0
		COMPRESSOR CURRENT (A)	4.2	5.0	5.8	6.6	7.9	9.2	10.5
		INDOOR COIL DB TEMP DROP (°F)	18	17	16	16	15	15	14
	1000	LIQUID PRESSURE (PSIG)	229	276	322	368	435	501	568
		LIQUID TEMPERATURE (°F)	74	82	90	98	108	117	127
		LIQUID SUBCOOLING (°F)	4	8	11	12	15	16	17
		SUCTION PRESSURE (PSIG)	154	156	158	160	162	164	167
		SUCTION TEMPERATURE (°F)	65	66	66	67	69	70	72
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	13	13
		OUTDOOR UNIT CURRENT (A)	4.7	5.5	6.3	7.1	8.4	9.7	11.0
		COMPRESSOR CURRENT (A)	4.2	5.0	5.8	6.5	7.9	9.2	10.5
		INDOOR COIL DB TEMP DROP (°F)	15	14	14	14	13	13	12

FOR USE WITH MODELS:

CZF03013C
AC6B030F3C
AL6B030F3C

CZF03013C 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			
65	229(7)	229(5)	235(7)	240(10)
70	250(8)	251(7)	255(8)	260(10)
75	273(9)	275(9)	278(9)	282(10)
80	297(11)	300(11)	301(10)	306(11)
85	323(12)	327(12)	327(11)	331(12)
90	350(13)	355(14)	353(12)	358(12)
95	371(13)	376(14)	374(12)	378(12)
100	409(15)	415(16)	412(14)	416(14)
105	440(16)	447(17)	443(15)	447(14)
110	473(17)	481(18)	476(16)	480(15)
115	508(17)	516(19)	510(16)	515(16)
120	543(18)	553(20)	546(17)	551(17)
125	580(19)	591(20)	583(18)	589(19)

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

Charging chart is for use in Cooling mode only.

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

CZF03013C CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
CZF03013(C)	35	107	29.2	1.81	27.7	2.00	26.1	2.21	24.5	2.45	22.7	2.74	20.8	3.07	18.7	3.47
	40	118	32.1	1.80	30.5	1.99	28.8	2.20	27.1	2.44	25.2	2.72	23.2	3.05	21.0	3.44
	45	130	35.3	1.81	33.5	2.00	31.7	2.20	29.9	2.43	27.9	2.72	25.8	3.03	23.5	3.40
	50	142	38.5	1.83	36.7	2.01	34.8	2.21	32.8	2.44	30.7	2.71	28.4	3.04	26.2	3.37
	55	156	42.0	1.85	40.0	2.04	37.9	2.24	35.9	2.45	33.7	2.72	31.3	3.04	28.9	3.35

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

CZF03013C W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	226	276	325	375	447	519	591
		LIQUID TEMPERATURE (°F)	71	80	89	98	108	117	127
		LIQUID SUBCOOLING (°F)	6	10	12	13	17	19	20
		SUCTION PRESSURE (PSIG)	126	127	128	129	132	135	138
		SUCTION TEMPERATURE (°F)	54	56	59	61	65	68	72
		SUCTION SUPERHEAT (°F)	11	13	15	17	19	21	24
		OUTDOOR UNIT CURRENT (A)	5.9	7.0	8.0	9.0	10.7	12.5	14.2
		COMPRESSOR CURRENT (A)	5.4	6.4	7.5	8.5	10.2	11.9	13.6
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20
	1000	LIQUID PRESSURE (PSIG)	228	277	326	375	446	517	589
		LIQUID TEMPERATURE (°F)	72	81	90	99	108	117	127
		LIQUID SUBCOOLING (°F)	6	10	12	13	17	19	20
		SUCTION PRESSURE (PSIG)	129	131	132	134	137	139	142
		SUCTION TEMPERATURE (°F)	56	58	60	63	66	69	73
		SUCTION SUPERHEAT (°F)	11	13	14	16	19	21	23
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	8.0	9.0	10.7	12.4	14.1
		COMPRESSOR CURRENT (A)	5.4	6.4	7.5	8.5	10.2	11.8	13.5
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	18
	1200	LIQUID PRESSURE (PSIG)	230	278	327	375	445	516	586
		LIQUID TEMPERATURE (°F)	73	81	90	99	108	118	127
		LIQUID SUBCOOLING (°F)	6	10	12	13	16	19	19
		SUCTION PRESSURE (PSIG)	133	135	136	138	141	144	146
		SUCTION TEMPERATURE (°F)	58	60	62	64	67	71	74
		SUCTION SUPERHEAT (°F)	12	13	14	16	18	20	23
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	8.0	9.0	10.6	12.3	14.0
		COMPRESSOR CURRENT (A)	5.5	6.5	7.4	8.4	10.1	11.8	13.4
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	19	18	17	17
80/57	800	LIQUID PRESSURE (PSIG)	225	274	323	372	442	513	584
		LIQUID TEMPERATURE (°F)	69	79	89	98	108	117	126
		LIQUID SUBCOOLING (°F)	8	11	12	13	17	19	20
		SUCTION PRESSURE (PSIG)	111	114	118	122	127	132	137
		SUCTION TEMPERATURE (°F)	52	56	60	64	65	66	68
		SUCTION SUPERHEAT (°F)	15	18	20	22	21	21	20
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	8.0	9.0	10.7	12.4	14.0
		COMPRESSOR CURRENT (A)	5.4	6.4	7.5	8.5	10.1	11.8	13.5
		INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	28	27	25
	1000	LIQUID PRESSURE (PSIG)	227	276	325	373	442	510	579
		LIQUID TEMPERATURE (°F)	71	80	89	99	108	117	127
		LIQUID SUBCOOLING (°F)	6	10	12	13	16	18	18
		SUCTION PRESSURE (PSIG)	122	125	127	129	134	139	145
		SUCTION TEMPERATURE (°F)	56	59	62	66	67	68	69
		SUCTION SUPERHEAT (°F)	14	16	19	21	20	19	18
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	8.0	9.0	10.6	12.2	13.8
		COMPRESSOR CURRENT (A)	5.4	6.5	7.5	8.5	10.1	11.7	13.3
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	25	24	23	22
	1200	LIQUID PRESSURE (PSIG)	230	278	327	375	441	508	574
		LIQUID TEMPERATURE (°F)	73	82	90	99	108	118	128
		LIQUID SUBCOOLING (°F)	5	9	11	13	16	17	17
		SUCTION PRESSURE (PSIG)	134	135	135	135	141	147	153
		SUCTION TEMPERATURE (°F)	59	62	65	67	69	70	71
		SUCTION SUPERHEAT (°F)	13	15	18	20	19	18	17
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	8.0	9.0	10.6	12.1	13.6
		COMPRESSOR CURRENT (A)	5.5	6.5	7.5	8.5	10.0	11.6	13.1
		INDOOR COIL DB TEMP DROP (°F)	26	24	23	22	21	20	20

Continued on next page.

CZF03013C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	800	LIQUID PRESSURE (PSIG)	226	277	327	378	452	527	602
		LIQUID TEMPERATURE (°F)	72	81	89	98	107	117	126
		LIQUID SUBCOOLING (°F)	5	10	13	15	19	21	22
		SUCTION PRESSURE (PSIG)	128	128	127	127	130	134	137
		SUCTION TEMPERATURE (°F)	57	58	59	60	64	68	72
		SUCTION SUPERHEAT (°F)	13	14	16	17	19	22	24
		OUTDOOR UNIT CURRENT (A)	5.9	7.0	8.1	9.1	10.9	12.7	14.5
		COMPRESSOR CURRENT (A)	5.4	6.5	7.5	8.6	10.4	12.2	14.0
		INDOOR COIL DB TEMP DROP (°F)	30	29	27	26	25	25	24
	1000	LIQUID PRESSURE (PSIG)	228	278	328	378	449	519	590
		LIQUID TEMPERATURE (°F)	73	81	90	98	108	117	127
		LIQUID SUBCOOLING (°F)	5	10	12	14	17	19	20
		SUCTION PRESSURE (PSIG)	132	132	132	132	136	140	143
		SUCTION TEMPERATURE (°F)	59	60	62	63	67	70	74
		SUCTION SUPERHEAT (°F)	13	15	16	18	20	22	24
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	8.1	9.1	10.8	12.5	14.1
		COMPRESSOR CURRENT (A)	5.4	6.5	7.5	8.6	10.3	11.9	13.6
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	23	22
	1200	LIQUID PRESSURE (PSIG)	230	279	329	379	445	511	578
		LIQUID TEMPERATURE (°F)	73	82	90	99	108	118	128
		LIQUID SUBCOOLING (°F)	5	9	12	14	16	17	17
		SUCTION PRESSURE (PSIG)	136	136	137	137	141	145	149
		SUCTION TEMPERATURE (°F)	61	63	64	66	69	73	76
		SUCTION SUPERHEAT (°F)	14	15	17	18	20	22	24
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	8.1	9.1	10.6	12.2	13.7
		COMPRESSOR CURRENT (A)	5.4	6.5	7.5	8.6	10.1	11.6	13.2
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	21	20
80/67	800	LIQUID PRESSURE (PSIG)	232	279	327	375	444	513	582
		LIQUID TEMPERATURE (°F)	72	81	91	100	109	118	128
		LIQUID SUBCOOLING (°F)	6	10	11	12	15	17	18
		SUCTION PRESSURE (PSIG)	134	137	140	143	145	148	151
		SUCTION TEMPERATURE (°F)	59	61	63	65	67	70	72
		SUCTION SUPERHEAT (°F)	13	13	14	15	16	18	20
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	8.0	8.9	10.6	12.2	13.8
		COMPRESSOR CURRENT (A)	5.5	6.5	7.4	8.4	10.0	11.6	13.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	21	21
	1000	LIQUID PRESSURE (PSIG)	233	281	328	376	444	513	582
		LIQUID TEMPERATURE (°F)	72	82	91	100	109	119	128
		LIQUID SUBCOOLING (°F)	7	10	11	12	15	17	18
		SUCTION PRESSURE (PSIG)	137	140	144	147	149	152	154
		SUCTION TEMPERATURE (°F)	61	63	64	66	69	72	75
		SUCTION SUPERHEAT (°F)	13	14	14	15	17	18	20
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	8.0	8.9	10.6	12.2	13.8
		COMPRESSOR CURRENT (A)	5.5	6.5	7.4	8.4	10.0	11.6	13.2
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	20	19
	1200	LIQUID PRESSURE (PSIG)	235	282	329	377	445	513	582
		LIQUID TEMPERATURE (°F)	72	82	91	101	110	119	128
		LIQUID SUBCOOLING (°F)	7	10	11	11	15	17	18
		SUCTION PRESSURE (PSIG)	140	144	147	151	153	156	158
		SUCTION TEMPERATURE (°F)	63	65	66	68	71	74	77
		SUCTION SUPERHEAT (°F)	14	14	15	15	17	19	21
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	8.0	8.9	10.5	12.1	13.7
		COMPRESSOR CURRENT (A)	5.5	6.5	7.4	8.4	10.0	11.6	13.2
		INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	18	18	17

Continued on next page.

CZF03013C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	800	LIQUID PRESSURE (PSIG)	235	283	331	378	447	516	585
		LIQUID TEMPERATURE (°F)	72	81	91	101	110	119	128
		LIQUID SUBCOOLING (°F)	8	11	11	11	15	17	18
		SUCTION PRESSURE (PSIG)	139	144	149	154	156	159	161
		SUCTION TEMPERATURE (°F)	64	67	69	72	74	76	79
		SUCTION SUPERHEAT (°F)	16	16	17	17	19	20	22
		OUTDOOR UNIT CURRENT (A)	6.1	7.1	8.0	9.0	10.6	12.2	13.8
		COMPRESSOR CURRENT (A)	5.5	6.5	7.5	8.4	10.0	11.7	13.3
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	17	16
	1000	LIQUID PRESSURE (PSIG)	238	286	333	380	449	518	587
		LIQUID TEMPERATURE (°F)	71	81	91	101	110	119	128
		LIQUID SUBCOOLING (°F)	9	11	12	11	15	17	18
		SUCTION PRESSURE (PSIG)	142	147	152	158	160	163	165
		SUCTION TEMPERATURE (°F)	67	69	71	73	76	78	81
		SUCTION SUPERHEAT (°F)	17	17	17	18	19	21	22
		OUTDOOR UNIT CURRENT (A)	6.1	7.1	8.0	9.0	10.6	12.2	13.8
		COMPRESSOR CURRENT (A)	5.6	6.5	7.5	8.4	10.1	11.7	13.3
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	16	15	14
	1200	LIQUID PRESSURE (PSIG)	241	288	335	382	451	520	590
		LIQUID TEMPERATURE (°F)	71	81	91	101	110	119	128
		LIQUID SUBCOOLING (°F)	10	12	12	12	15	17	18
		SUCTION PRESSURE (PSIG)	146	151	156	161	164	166	169
		SUCTION TEMPERATURE (°F)	70	71	73	75	77	80	82
		SUCTION SUPERHEAT (°F)	19	18	18	18	20	21	23
		OUTDOOR UNIT CURRENT (A)	6.2	7.1	8.1	9.0	10.6	12.2	13.9
		COMPRESSOR CURRENT (A)	5.6	6.6	7.5	8.5	10.1	11.7	13.3
		INDOOR COIL DB TEMP DROP (°F)	15	15	14	14	14	13	13

FOR USE WITH MODELS:

CZF03614C
AC6B036F4C
AL6B036F4C

CZF03614C 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			
65	214(6)	214(6)	218(8)	223(10)
70	234(7)	234(7)	238(9)	244(11)
75	255(8)	256(9)	260(10)	265(11)
80	277(9)	278(10)	282(11)	287(12)
85	301(10)	302(11)	306(12)	311(12)
90	326(11)	328(12)	332(12)	336(13)
95	352(12)	354(12)	358(13)	362(13)
100	380(13)	382(13)	386(14)	389(14)
105	409(13)	411(14)	414(14)	417(14)
110	439(14)	441(14)	444(15)	446(15)
115	471(14)	473(15)	476(15)	477(15)
120	503(15)	506(15)	508(16)	508(15)
125	538(15)	540(16)	542(16)	541(16)

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

Charging chart is for use in Cooling mode only.

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

CZF03614C CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
CZF03614C	35	107	32.2	2.16	30.5	2.39	28.8	2.63	26.9	2.91	25.0	3.25	23.0	3.64	20.9	4.10
	40	118	35.5	2.14	33.7	2.37	31.8	2.62	29.8	2.90	27.7	3.23	25.6	3.62	23.3	4.06
	45	130	39.1	2.13	37.1	2.36	35.0	2.61	32.9	2.88	30.6	3.21	28.3	3.59	25.9	4.03
	50	142	42.9	2.12	40.7	2.35	38.5	2.60	36.2	2.87	33.8	3.19	31.3	3.57	28.7	4.00
	55	156	47.0	2.11	44.6	2.34	42.2	2.59	39.7	2.86	37.1	3.18	34.5	3.55	31.7	3.97

NOTES:

1. For condensing unit performance only. Data does not include the effects of air handler power or heat.
2. Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - a. Increase capacity by 1% for each 2°F increase in subcooling.
 - b. Decrease capacity by 1% for each 2°F decrease in subcooling.
3. Maximum recommended condensing temperature is 140°F.

CZF03614C W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	212	258	303	349	415	480	546
		LIQUID TEMPERATURE (°F)	66	76	85	95	104	114	124
		LIQUID SUBCOOLING (°F)	7	10	12	12	15	17	17
		SUCTION PRESSURE (PSIG)	125	127	129	131	134	136	139
		SUCTION TEMPERATURE (°F)	51	52	54	55	57	59	61
		SUCTION SUPERHEAT (°F)	9	9	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	6.9	8.0	9.0	10.1	11.9	13.8	15.6
		COMPRESSOR CURRENT (A)	5.7	6.8	7.9	9.0	10.9	12.7	14.5
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	22	21	21
	1200	LIQUID PRESSURE (PSIG)	212	258	304	349	414	479	544
		LIQUID TEMPERATURE (°F)	66	76	85	95	104	114	124
		LIQUID SUBCOOLING (°F)	7	10	12	12	15	16	16
		SUCTION PRESSURE (PSIG)	128	130	132	134	137	140	143
		SUCTION TEMPERATURE (°F)	53	54	55	56	58	60	63
		SUCTION SUPERHEAT (°F)	9	9	9	9	11	12	13
		OUTDOOR UNIT CURRENT (A)	6.9	8.0	9.0	10.1	11.9	13.7	15.5
		COMPRESSOR CURRENT (A)	5.7	6.8	7.9	9.0	10.8	12.6	14.4
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19
	1400	LIQUID PRESSURE (PSIG)	213	258	304	350	414	477	541
		LIQUID TEMPERATURE (°F)	66	76	85	95	105	114	124
		LIQUID SUBCOOLING (°F)	7	10	12	12	14	16	16
		SUCTION PRESSURE (PSIG)	131	133	135	137	140	144	147
		SUCTION TEMPERATURE (°F)	54	55	56	57	59	62	64
		SUCTION SUPERHEAT (°F)	9	9	9	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	6.9	8.0	9.0	10.1	11.9	13.6	15.4
		COMPRESSOR CURRENT (A)	5.7	6.8	7.9	9.0	10.8	12.5	14.3
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	20	19	18	18
80/57	1000	LIQUID PRESSURE (PSIG)	211	256	301	346	410	474	538
		LIQUID TEMPERATURE (°F)	67	76	86	95	105	114	124
		LIQUID SUBCOOLING (°F)	6	9	11	11	14	15	16
		SUCTION PRESSURE (PSIG)	119	122	125	129	133	137	141
		SUCTION TEMPERATURE (°F)	49	51	53	55	57	60	62
		SUCTION SUPERHEAT (°F)	9	10	10	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	6.9	7.9	9.0	10.1	11.8	13.6	15.3
		COMPRESSOR CURRENT (A)	5.7	6.8	7.9	9.0	10.8	12.5	14.3
		INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	28	26	25
	1200	LIQUID PRESSURE (PSIG)	212	257	302	347	410	473	536
		LIQUID TEMPERATURE (°F)	68	77	86	95	105	114	124
		LIQUID SUBCOOLING (°F)	6	9	10	11	14	15	15
		SUCTION PRESSURE (PSIG)	125	129	132	135	139	144	148
		SUCTION TEMPERATURE (°F)	52	54	56	57	60	62	64
		SUCTION SUPERHEAT (°F)	9	10	10	10	11	12	12
		OUTDOOR UNIT CURRENT (A)	6.9	7.9	9.0	10.1	11.8	13.5	15.2
		COMPRESSOR CURRENT (A)	5.8	6.8	7.9	9.0	10.7	12.5	14.2
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	22
	1400	LIQUID PRESSURE (PSIG)	214	259	304	349	411	473	535
		LIQUID TEMPERATURE (°F)	68	77	87	96	105	115	124
		LIQUID SUBCOOLING (°F)	5	8	10	11	13	15	15
		SUCTION PRESSURE (PSIG)	131	135	138	142	146	150	154
		SUCTION TEMPERATURE (°F)	55	56	58	59	62	64	66
		SUCTION SUPERHEAT (°F)	9	9	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	6.9	8.0	9.0	10.1	11.8	13.4	15.1
		COMPRESSOR CURRENT (A)	5.8	6.9	7.9	9.0	10.7	12.4	14.1
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20

Continued on next page.

CZF03614C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1000	LIQUID PRESSURE (PSIG)	213	258	303	349	413	477	542
		LIQUID TEMPERATURE (°F)	67	76	86	95	104	114	124
		LIQUID SUBCOOLING (°F)	6	10	11	12	14	16	16
		SUCTION PRESSURE (PSIG)	125	128	130	133	136	139	142
		SUCTION TEMPERATURE (°F)	51	53	55	56	58	61	63
		SUCTION SUPERHEAT (°F)	8	9	10	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	6.9	8.0	9.1	10.2	11.9	13.7	15.4
		COMPRESSOR CURRENT (A)	5.8	6.9	8.0	9.1	10.8	12.6	14.4
		INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	26	26	25
	1200	LIQUID PRESSURE (PSIG)	213	258	304	349	412	475	538
		LIQUID TEMPERATURE (°F)	68	77	86	95	105	114	124
		LIQUID SUBCOOLING (°F)	6	9	11	11	14	15	16
		SUCTION PRESSURE (PSIG)	130	132	135	137	141	145	148
		SUCTION TEMPERATURE (°F)	54	55	57	58	60	62	65
		SUCTION SUPERHEAT (°F)	9	9	10	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	6.9	8.0	9.0	10.1	11.9	13.6	15.3
		COMPRESSOR CURRENT (A)	5.7	6.8	7.9	9.1	10.8	12.5	14.2
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	24	23	22
	1400	LIQUID PRESSURE (PSIG)	213	259	304	350	411	473	535
		LIQUID TEMPERATURE (°F)	68	77	86	95	105	115	124
		LIQUID SUBCOOLING (°F)	5	9	11	11	14	15	15
		SUCTION PRESSURE (PSIG)	134	137	139	142	146	150	154
		SUCTION TEMPERATURE (°F)	56	57	58	60	62	64	66
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	6.8	7.9	9.0	10.1	11.8	13.5	15.1
		COMPRESSOR CURRENT (A)	5.7	6.8	7.9	9.0	10.7	12.4	14.1
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	21	20
80/67	1000	LIQUID PRESSURE (PSIG)	216	261	307	352	415	478	541
		LIQUID TEMPERATURE (°F)	67	76	86	95	105	114	124
		LIQUID SUBCOOLING (°F)	8	10	12	12	15	16	16
		SUCTION PRESSURE (PSIG)	135	138	140	143	146	149	152
		SUCTION TEMPERATURE (°F)	56	57	58	60	62	64	65
		SUCTION SUPERHEAT (°F)	9	9	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	7.0	8.0	9.1	10.2	11.9	13.6	15.3
		COMPRESSOR CURRENT (A)	5.8	6.9	8.0	9.1	10.8	12.5	14.3
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20
	1200	LIQUID PRESSURE (PSIG)	217	262	308	353	416	478	541
		LIQUID TEMPERATURE (°F)	67	76	86	95	105	114	124
		LIQUID SUBCOOLING (°F)	8	11	12	12	14	16	16
		SUCTION PRESSURE (PSIG)	139	141	144	146	149	151	154
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	65	66
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	6.9	8.0	9.1	10.2	11.9	13.6	15.3
		COMPRESSOR CURRENT (A)	5.8	6.9	8.0	9.1	10.8	12.5	14.2
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	20	19
	1400	LIQUID PRESSURE (PSIG)	217	263	309	354	416	478	540
		LIQUID TEMPERATURE (°F)	67	76	86	96	105	115	124
		LIQUID SUBCOOLING (°F)	8	11	12	12	14	15	16
		SUCTION PRESSURE (PSIG)	143	145	147	149	152	154	157
		SUCTION TEMPERATURE (°F)	60	61	62	62	64	66	67
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	6.9	8.0	9.1	10.2	11.9	13.6	15.3
		COMPRESSOR CURRENT (A)	5.8	6.9	8.0	9.1	10.8	12.5	14.2
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	19	18	18

Continued on next page.

CZF03614C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1000	LIQUID PRESSURE (PSIG)	220	265	311	356	417	478	539
		LIQUID TEMPERATURE (°F)	67	76	86	96	105	115	124
		LIQUID SUBCOOLING (°F)	9	11	12	12	14	15	15
		SUCTION PRESSURE (PSIG)	146	149	152	155	158	161	163
		SUCTION TEMPERATURE (°F)	60	62	63	64	66	68	69
		SUCTION SUPERHEAT (°F)	9	9	9	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	7.0	8.1	9.2	10.3	11.9	13.6	15.2
		COMPRESSOR CURRENT (A)	5.9	7.0	8.1	9.2	10.8	12.5	14.2
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	17	16	16
	1200	LIQUID PRESSURE (PSIG)	222	267	312	357	418	479	540
		LIQUID TEMPERATURE (°F)	66	76	86	96	105	115	124
		LIQUID SUBCOOLING (°F)	10	12	13	12	14	15	15
		SUCTION PRESSURE (PSIG)	150	153	156	158	161	164	167
		SUCTION TEMPERATURE (°F)	62	64	65	66	67	69	71
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	7.1	8.1	9.2	10.3	11.9	13.6	15.2
		COMPRESSOR CURRENT (A)	6.0	7.0	8.1	9.2	10.9	12.5	14.2
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	15	15	15
	1400	LIQUID PRESSURE (PSIG)	224	269	313	358	419	480	541
		LIQUID TEMPERATURE (°F)	66	76	86	96	105	115	124
		LIQUID SUBCOOLING (°F)	11	13	13	12	15	16	16
		SUCTION PRESSURE (PSIG)	154	157	159	162	164	167	170
		SUCTION TEMPERATURE (°F)	65	66	66	67	69	71	72
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	7.1	8.2	9.2	10.3	11.9	13.6	15.2
		COMPRESSOR CURRENT (A)	6.0	7.1	8.1	9.2	10.9	12.5	14.2
		INDOOR COIL DB TEMP DROP (°F)	16	16	15	15	14	14	13

FOR USE WITH MODELS:

CZF04213C
AC6B042F3C
AL6B042F3C

CZF04213C 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			
65	225(8)	227(8)	227(6)	230(5)
70	245(9)	247(9)	247(7)	250(6)
75	267(10)	268(10)	268(8)	271(7)
80	290(11)	291(11)	291(9)	294(7)
85	315(12)	316(12)	315(10)	318(8)
90	342(13)	342(13)	340(11)	343(9)
95	370(14)	370(13)	367(11)	370(10)
100	400(15)	400(14)	396(12)	397(11)
105	432(16)	431(15)	426(13)	426(12)
110	465(17)	464(16)	457(14)	456(12)
115	500(17)	499(17)	489(15)	488(13)
120	536(18)	536(18)	523(15)	520(14)
125	574(19)	574(19)	559(16)	554(15)

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

Charging chart is for use in Cooling mode only.

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

CZF04213C CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
CZF04213(C)	35	107	39.7	2.58	37.7	2.82	35.6	3.10	33.4	3.42	31.0	3.80	28.6	4.23	26.1	4.70
	40	118	43.8	2.57	41.6	2.81	39.3	3.09	36.9	3.41	34.4	3.79	31.7	4.22	29.1	4.68
	45	130	48.1	2.56	45.7	2.80	43.2	3.08	40.6	3.40	37.9	3.78	35.1	4.20	32.2	4.66
	50	142	52.6	2.57	50.1	2.80	47.4	3.08	44.6	3.40	41.7	3.77	38.7	4.20	35.6	4.65
	55	156	57.4	2.58	54.6	2.82	51.8	3.09	48.8	3.39	45.7	3.77	42.4	4.20	39.2	4.64

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

CZF04213C W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	222	269	316	363	432	502	571
		LIQUID TEMPERATURE (°F)	68	78	87	97	106	116	126
		LIQUID SUBCOOLING (°F)	8	11	12	13	16	18	19
		SUCTION PRESSURE (PSIG)	125	127	130	132	135	138	141
		SUCTION TEMPERATURE (°F)	54	55	56	58	59	60	61
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	12.0	13.2	15.4	17.6	19.8
		COMPRESSOR CURRENT (A)	8.3	9.6	10.8	12.1	14.3	16.5	18.7
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	21	20
	1400	LIQUID PRESSURE (PSIG)	222	269	316	364	432	500	569
		LIQUID TEMPERATURE (°F)	69	78	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	7	10	12	12	16	17	18
		SUCTION PRESSURE (PSIG)	128	130	133	135	138	141	144
		SUCTION TEMPERATURE (°F)	56	57	58	59	60	61	62
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	12.0	13.2	15.4	17.5	19.7
		COMPRESSOR CURRENT (A)	8.3	9.5	10.8	12.0	14.2	16.4	18.6
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	21	20	19	19
	1600	LIQUID PRESSURE (PSIG)	222	269	317	364	431	499	567
		LIQUID TEMPERATURE (°F)	70	79	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	6	9	11	12	15	17	18
		SUCTION PRESSURE (PSIG)	131	133	136	138	141	143	146
		SUCTION TEMPERATURE (°F)	57	58	59	60	61	62	63
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	9.4	10.7	11.9	13.2	15.3	17.5	19.6
		COMPRESSOR CURRENT (A)	8.2	9.5	10.8	12.0	14.2	16.3	18.5
		INDOOR COIL DB TEMP DROP (°F)	20	20	20	19	19	18	18
80/57	1200	LIQUID PRESSURE (PSIG)	222	269	316	363	434	506	578
		LIQUID TEMPERATURE (°F)	68	77	87	97	106	115	125
		LIQUID SUBCOOLING (°F)	8	11	12	13	17	19	20
		SUCTION PRESSURE (PSIG)	117	122	126	131	134	138	142
		SUCTION TEMPERATURE (°F)	54	56	57	59	61	63	64
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	9.4	10.7	11.9	13.2	15.5	17.8	20.1
		COMPRESSOR CURRENT (A)	8.2	9.5	10.8	12.0	14.3	16.7	19.0
		INDOOR COIL DB TEMP DROP (°F)	30	29	29	28	27	26	25
	1400	LIQUID PRESSURE (PSIG)	223	270	317	363	433	503	573
		LIQUID TEMPERATURE (°F)	69	78	88	97	107	116	125
		LIQUID SUBCOOLING (°F)	8	11	12	12	16	18	19
		SUCTION PRESSURE (PSIG)	123	128	132	136	140	143	147
		SUCTION TEMPERATURE (°F)	56	58	59	61	63	64	66
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	11.9	13.2	15.4	17.6	19.8
		COMPRESSOR CURRENT (A)	8.3	9.5	10.8	12.0	14.3	16.5	18.7
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	26	24	23	22
	1600	LIQUID PRESSURE (PSIG)	225	271	318	364	432	500	568
		LIQUID TEMPERATURE (°F)	69	79	88	98	107	116	126
		LIQUID SUBCOOLING (°F)	8	10	12	12	15	17	18
		SUCTION PRESSURE (PSIG)	129	133	137	141	145	149	152
		SUCTION TEMPERATURE (°F)	58	60	61	62	64	66	68
		SUCTION SUPERHEAT (°F)	14	14	13	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	12.0	13.2	15.3	17.4	19.6
		COMPRESSOR CURRENT (A)	8.3	9.6	10.8	12.0	14.2	16.3	18.5
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	21	20

Continued on next page.

CZF04213C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1200	LIQUID PRESSURE (PSIG)	225	271	317	363	434	505	576
		LIQUID TEMPERATURE (°F)	68	78	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	8	11	12	12	16	18	19
		SUCTION PRESSURE (PSIG)	125	128	131	134	136	139	141
		SUCTION TEMPERATURE (°F)	56	57	58	58	60	62	64
		SUCTION SUPERHEAT (°F)	13	13	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	12.0	13.2	15.5	17.8	20.1
		COMPRESSOR CURRENT (A)	8.3	9.5	10.8	12.0	14.3	16.6	18.9
		INDOOR COIL DB TEMP DROP (°F)	27	27	27	26	25	25	24
	1400	LIQUID PRESSURE (PSIG)	226	271	317	363	433	503	573
		LIQUID TEMPERATURE (°F)	69	78	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	8	11	12	12	16	18	19
		SUCTION PRESSURE (PSIG)	129	131	134	137	139	142	145
		SUCTION TEMPERATURE (°F)	58	58	59	60	62	63	65
		SUCTION SUPERHEAT (°F)	13	13	13	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	12.0	13.2	15.4	17.6	19.8
		COMPRESSOR CURRENT (A)	8.3	9.6	10.8	12.0	14.2	16.5	18.7
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	25	24	23	22
	1600	LIQUID PRESSURE (PSIG)	226	272	318	364	432	500	569
		LIQUID TEMPERATURE (°F)	69	79	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	8	11	12	12	15	17	18
		SUCTION PRESSURE (PSIG)	132	134	137	140	142	145	148
		SUCTION TEMPERATURE (°F)	59	60	61	61	63	65	66
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	9.5	10.8	12.0	13.2	15.3	17.5	19.6
		COMPRESSOR CURRENT (A)	8.4	9.6	10.8	12.0	14.2	16.3	18.5
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	22	21	21
80/67	1200	LIQUID PRESSURE (PSIG)	225	270	316	361	427	493	559
		LIQUID TEMPERATURE (°F)	72	81	90	99	108	117	126
		LIQUID SUBCOOLING (°F)	5	8	10	10	13	15	16
		SUCTION PRESSURE (PSIG)	137	139	142	144	147	149	151
		SUCTION TEMPERATURE (°F)	60	60	61	61	63	64	66
		SUCTION SUPERHEAT (°F)	12	12	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	11.9	13.1	15.1	17.2	19.2
		COMPRESSOR CURRENT (A)	8.3	9.5	10.7	11.9	14.0	16.0	18.1
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	20
	1400	LIQUID PRESSURE (PSIG)	226	271	316	362	427	492	558
		LIQUID TEMPERATURE (°F)	72	81	90	99	108	117	127
		LIQUID SUBCOOLING (°F)	5	8	10	10	13	15	16
		SUCTION PRESSURE (PSIG)	139	142	145	147	149	151	153
		SUCTION TEMPERATURE (°F)	61	62	62	63	64	66	67
		SUCTION SUPERHEAT (°F)	13	12	12	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	11.9	13.1	15.1	17.1	19.2
		COMPRESSOR CURRENT (A)	8.3	9.5	10.7	11.9	13.9	16.0	18.0
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	19	19
	1600	LIQUID PRESSURE (PSIG)	226	272	317	363	427	492	557
		LIQUID TEMPERATURE (°F)	72	81	90	99	108	117	127
		LIQUID SUBCOOLING (°F)	6	8	10	10	13	15	16
		SUCTION PRESSURE (PSIG)	142	145	147	150	152	154	156
		SUCTION TEMPERATURE (°F)	63	64	64	64	65	67	68
		SUCTION SUPERHEAT (°F)	14	13	12	11	12	13	13
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	11.9	13.1	15.1	17.1	19.1
		COMPRESSOR CURRENT (A)	8.3	9.5	10.7	11.9	13.9	15.9	17.9
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	18	17

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CZF04213C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1200	LIQUID PRESSURE (PSIG)	228	273	318	364	427	491	555
		LIQUID TEMPERATURE (°F)	73	82	91	100	109	118	127
		LIQUID SUBCOOLING (°F)	4	7	9	9	12	14	15
		SUCTION PRESSURE (PSIG)	146	149	152	156	158	160	163
		SUCTION TEMPERATURE (°F)	65	66	66	66	67	68	70
		SUCTION SUPERHEAT (°F)	14	13	12	11	11	12	12
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	11.9	13.1	15.1	17.1	19.0
		COMPRESSOR CURRENT (A)	8.3	9.5	10.7	11.9	13.9	15.9	17.9
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	17	16	16
	1400	LIQUID PRESSURE (PSIG)	228	274	319	365	427	490	553
		LIQUID TEMPERATURE (°F)	73	83	92	101	110	118	127
		LIQUID SUBCOOLING (°F)	4	7	9	9	12	14	14
		SUCTION PRESSURE (PSIG)	149	152	155	159	161	163	166
		SUCTION TEMPERATURE (°F)	67	67	67	67	68	69	70
		SUCTION SUPERHEAT (°F)	15	14	13	11	12	12	12
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	11.9	13.1	15.1	17.0	18.9
		COMPRESSOR CURRENT (A)	8.3	9.5	10.8	12.0	13.9	15.8	17.8
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	16	15	15
	1600	LIQUID PRESSURE (PSIG)	229	275	320	366	428	489	551
		LIQUID TEMPERATURE (°F)	74	83	92	101	110	119	128
		LIQUID SUBCOOLING (°F)	4	7	9	9	12	13	14
		SUCTION PRESSURE (PSIG)	151	155	158	161	164	166	169
		SUCTION TEMPERATURE (°F)	68	69	69	69	70	70	71
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	12.0	13.2	15.1	16.9	18.8
		COMPRESSOR CURRENT (A)	8.3	9.6	10.8	12.0	13.9	15.8	17.7
		INDOOR COIL DB TEMP DROP (°F)	16	15	15	15	14	14	13

FOR USE WITH MODELS:

CZF04814C
AC6B048F4C
AL6B048F4C

CZF04814C 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			
65	217(7)	219(8)	220(7)	221(6)
70	237(8)	239(9)	240(8)	242(7)
75	258(9)	260(10)	262(9)	263(8)
80	281(10)	283(10)	285(10)	286(9)
85	305(10)	306(11)	309(11)	310(10)
90	330(11)	331(12)	334(12)	335(10)
95	356(12)	357(12)	360(12)	362(11)
100	384(12)	384(13)	388(13)	390(12)
105	413(13)	413(14)	417(14)	419(13)
110	443(14)	442(14)	447(14)	449(13)
115	475(14)	473(15)	478(15)	481(14)
120	507(15)	505(15)	510(15)	513(15)
125	542(15)	538(16)	544(16)	547(15)

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

Charging chart is for use in Cooling mode only.

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

CZF04814C CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
CZF04814C	35	107	45.1	2.84	42.9	3.12	40.4	3.45	37.8	3.82	35.1	4.25	32.3	4.72	29.4	5.25
	40	118	49.7	2.84	47.2	3.12	44.5	3.44	41.7	3.81	38.8	4.24	35.8	4.72	32.8	5.24
	45	130	54.6	2.83	51.9	3.11	49.0	3.43	46.0	3.80	42.9	4.23	39.7	4.71	36.4	5.22
	50	142	60.0	2.83	57.0	3.10	53.8	3.42	50.5	3.78	47.2	4.22	43.8	4.69	40.4	5.20
	55	156	65.6	2.84	62.4	3.11	59.0	3.42	55.5	3.77	51.9	4.20	48.3	4.68	44.6	5.18

NOTES:

1. For condensing unit performance only. Data does not include the effects of air handler power or heat.
2. Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - a. Increase capacity by 1% for each 2°F increase in subcooling.
 - b. Decrease capacity by 1% for each 2°F decrease in subcooling.
3. Maximum recommended condensing temperature is 140°F.

CZF04814C W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1400	LIQUID PRESSURE (PSIG)	217	262	308	353	416	480	543
		LIQUID TEMPERATURE (°F)	66	76	86	96	105	114	124
		LIQUID SUBCOOLING (°F)	8	11	12	11	14	16	17
		SUCTION PRESSURE (PSIG)	124	126	128	130	132	134	136
		SUCTION TEMPERATURE (°F)	50	52	53	54	56	57	59
		SUCTION SUPERHEAT (°F)	8	8	9	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	10.0	11.3	12.7	14.0	16.4	18.8	21.2
		COMPRESSOR CURRENT (A)	8.8	10.1	11.5	12.8	15.2	17.7	20.1
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	22	21
	1600	LIQUID PRESSURE (PSIG)	217	262	308	353	416	479	542
		LIQUID TEMPERATURE (°F)	67	77	86	96	105	115	124
		LIQUID SUBCOOLING (°F)	8	10	11	11	14	16	16
		SUCTION PRESSURE (PSIG)	127	129	131	133	135	137	139
		SUCTION TEMPERATURE (°F)	52	53	54	56	57	58	60
		SUCTION SUPERHEAT (°F)	8	9	9	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	10.0	11.3	12.7	14.0	16.4	18.7	21.1
		COMPRESSOR CURRENT (A)	8.8	10.1	11.5	12.8	15.2	17.6	20.0
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	20
	1800	LIQUID PRESSURE (PSIG)	217	263	308	354	416	478	541
		LIQUID TEMPERATURE (°F)	67	77	87	96	105	115	124
		LIQUID SUBCOOLING (°F)	7	10	11	11	14	15	16
		SUCTION PRESSURE (PSIG)	130	132	134	135	137	139	141
		SUCTION TEMPERATURE (°F)	54	55	56	57	58	60	61
		SUCTION SUPERHEAT (°F)	9	9	9	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	10.0	11.3	12.7	14.0	16.3	18.7	21.0
		COMPRESSOR CURRENT (A)	8.8	10.1	11.5	12.8	15.1	17.5	19.8
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	19
80/57	1400	LIQUID PRESSURE (PSIG)	215	260	305	351	415	480	544
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	115	125
		LIQUID SUBCOOLING (°F)	8	10	11	11	13	15	15
		SUCTION PRESSURE (PSIG)	117	121	124	127	130	134	138
		SUCTION TEMPERATURE (°F)	48	49	51	52	55	57	59
		SUCTION SUPERHEAT (°F)	8	9	9	9	10	11	11
		OUTDOOR UNIT CURRENT (A)	9.8	11.2	12.6	14.0	16.3	18.7	21.0
		COMPRESSOR CURRENT (A)	8.6	10.0	11.4	12.8	15.1	17.5	19.8
		INDOOR COIL DB TEMP DROP (°F)	33	32	31	29	28	27	25
	1600	LIQUID PRESSURE (PSIG)	216	261	306	351	414	477	540
		LIQUID TEMPERATURE (°F)	67	77	87	97	106	115	125
		LIQUID SUBCOOLING (°F)	7	10	11	11	13	15	15
		SUCTION PRESSURE (PSIG)	123	126	129	132	135	138	142
		SUCTION TEMPERATURE (°F)	50	52	53	55	57	59	61
		SUCTION SUPERHEAT (°F)	9	9	9	9	10	11	11
		OUTDOOR UNIT CURRENT (A)	9.9	11.3	12.6	14.0	16.2	18.5	20.9
		COMPRESSOR CURRENT (A)	8.6	10.0	11.4	12.8	15.1	17.4	19.7
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	24
	1800	LIQUID PRESSURE (PSIG)	217	262	307	352	413	475	536
		LIQUID TEMPERATURE (°F)	68	78	87	97	106	115	125
		LIQUID SUBCOOLING (°F)	7	9	10	10	13	14	15
		SUCTION PRESSURE (PSIG)	128	131	134	137	140	143	146
		SUCTION TEMPERATURE (°F)	53	54	56	57	59	61	63
		SUCTION SUPERHEAT (°F)	9	9	9	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	10.0	11.3	12.6	13.9	16.2	18.4	20.7
		COMPRESSOR CURRENT (A)	8.6	10.0	11.4	12.8	15.0	17.3	19.5
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	23	22

Continued on next page.

CZF04814C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1400	LIQUID PRESSURE (PSIG)	218	263	307	352	414	477	540
		LIQUID TEMPERATURE (°F)	67	76	86	96	105	114	124
		LIQUID SUBCOOLING (°F)	8	11	12	12	14	16	16
		SUCTION PRESSURE (PSIG)	125	127	129	131	133	135	138
		SUCTION TEMPERATURE (°F)	51	52	53	54	55	57	59
		SUCTION SUPERHEAT (°F)	8	8	9	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	10.0	11.3	12.7	14.0	16.4	18.7	21.1
		COMPRESSOR CURRENT (A)	8.8	10.1	11.5	12.8	15.2	17.5	19.9
		INDOOR COIL DB TEMP DROP (°F)	28	28	28	28	27	26	25
	1600	LIQUID PRESSURE (PSIG)	218	263	308	352	414	476	537
		LIQUID TEMPERATURE (°F)	67	77	86	96	105	115	124
		LIQUID SUBCOOLING (°F)	8	10	11	11	14	15	15
		SUCTION PRESSURE (PSIG)	128	130	132	134	137	139	142
		SUCTION TEMPERATURE (°F)	53	54	55	56	57	59	61
		SUCTION SUPERHEAT (°F)	9	9	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	10.0	11.3	12.7	14.0	16.3	18.6	20.9
		COMPRESSOR CURRENT (A)	8.8	10.1	11.5	12.8	15.1	17.4	19.7
		INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	25	24	24
	1800	LIQUID PRESSURE (PSIG)	218	263	308	353	414	474	535
		LIQUID TEMPERATURE (°F)	67	77	87	97	106	115	124
		LIQUID SUBCOOLING (°F)	8	10	11	11	13	15	15
		SUCTION PRESSURE (PSIG)	131	133	135	137	140	144	147
		SUCTION TEMPERATURE (°F)	55	56	56	57	59	61	63
		SUCTION SUPERHEAT (°F)	9	9	9	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	10.0	11.3	12.7	14.0	16.2	18.4	20.6
		COMPRESSOR CURRENT (A)	8.8	10.1	11.5	12.8	15.0	17.3	19.5
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	24	23	22
80/67	1400	LIQUID PRESSURE (PSIG)	218	264	309	355	418	481	544
		LIQUID TEMPERATURE (°F)	68	77	87	96	106	115	125
		LIQUID SUBCOOLING (°F)	7	10	11	12	14	15	16
		SUCTION PRESSURE (PSIG)	136	138	140	142	144	146	148
		SUCTION TEMPERATURE (°F)	56	57	58	59	60	62	63
		SUCTION SUPERHEAT (°F)	9	9	9	9	10	11	11
		OUTDOOR UNIT CURRENT (A)	9.9	11.3	12.7	14.1	16.4	18.7	21.0
		COMPRESSOR CURRENT (A)	8.7	10.1	11.5	12.9	15.2	17.5	19.8
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	21	21
	1600	LIQUID PRESSURE (PSIG)	219	264	310	355	418	480	543
		LIQUID TEMPERATURE (°F)	68	78	87	97	106	115	125
		LIQUID SUBCOOLING (°F)	7	10	11	11	14	15	15
		SUCTION PRESSURE (PSIG)	139	141	143	144	147	149	151
		SUCTION TEMPERATURE (°F)	58	59	60	60	62	63	64
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	10.0	11.4	12.7	14.1	16.3	18.6	20.9
		COMPRESSOR CURRENT (A)	8.8	10.2	11.5	12.9	15.2	17.4	19.7
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	20
	1800	LIQUID PRESSURE (PSIG)	220	265	310	356	417	479	541
		LIQUID TEMPERATURE (°F)	69	78	87	97	106	115	125
		LIQUID SUBCOOLING (°F)	7	9	11	11	14	15	15
		SUCTION PRESSURE (PSIG)	142	144	145	147	149	151	153
		SUCTION TEMPERATURE (°F)	60	61	61	61	63	64	66
		SUCTION SUPERHEAT (°F)	11	10	10	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	10.1	11.4	12.8	14.1	16.3	18.5	20.7
		COMPRESSOR CURRENT (A)	8.9	10.2	11.6	12.9	15.1	17.4	19.6
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	19

Continued on next page.

CZF04814C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1400	LIQUID PRESSURE (PSIG)	218	265	312	359	421	484	546
		LIQUID TEMPERATURE (°F)	69	79	88	98	107	116	125
		LIQUID SUBCOOLING (°F)	6	9	10	11	13	15	15
		SUCTION PRESSURE (PSIG)	149	151	152	153	155	158	160
		SUCTION TEMPERATURE (°F)	63	63	64	65	66	67	69
		SUCTION SUPERHEAT (°F)	10	10	11	11	11	12	12
		OUTDOOR UNIT CURRENT (A)	10.0	11.3	12.7	14.0	16.3	18.7	21.0
		COMPRESSOR CURRENT (A)	8.8	10.1	11.5	12.8	15.1	17.5	19.8
		INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	17	16	16
	1600	LIQUID PRESSURE (PSIG)	220	266	311	357	420	483	546
		LIQUID TEMPERATURE (°F)	70	79	89	98	107	116	125
		LIQUID SUBCOOLING (°F)	6	9	10	10	13	15	15
		SUCTION PRESSURE (PSIG)	151	152	154	156	158	160	162
		SUCTION TEMPERATURE (°F)	65	65	65	65	67	68	70
		SUCTION SUPERHEAT (°F)	12	12	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	10.0	11.4	12.7	14.1	16.3	18.6	20.9
		COMPRESSOR CURRENT (A)	8.8	10.2	11.5	12.9	15.1	17.4	19.7
		INDOOR COIL DB TEMP DROP (°F)	17	17	17	17	16	15	15
	1800	LIQUID PRESSURE (PSIG)	222	266	311	355	419	482	546
		LIQUID TEMPERATURE (°F)	70	79	89	98	107	116	125
		LIQUID SUBCOOLING (°F)	6	9	9	9	13	14	15
		SUCTION PRESSURE (PSIG)	152	154	156	159	161	163	165
		SUCTION TEMPERATURE (°F)	67	67	66	66	68	69	71
		SUCTION SUPERHEAT (°F)	14	13	11	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	10.1	11.4	12.8	14.1	16.3	18.5	20.7
		COMPRESSOR CURRENT (A)	8.9	10.2	11.6	12.9	15.1	17.3	19.5
		INDOOR COIL DB TEMP DROP (°F)	16	16	16	16	15	14	14

FOR USE WITH MODELS:

CZF06013C
AC6B060F3C
AL6B060F3C

CZF06013C 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			
65	225(8)	228(8)	229(8)	232(7)
70	245(9)	248(9)	249(9)	253(8)
75	267(9)	269(10)	271(10)	274(9)
80	291(10)	292(11)	295(11)	297(10)
85	315(11)	317(12)	319(11)	322(11)
90	341(12)	343(13)	346(12)	348(12)
95	369(13)	370(13)	373(13)	375(13)
100	398(14)	399(14)	402(14)	404(14)
105	428(14)	430(15)	433(15)	434(14)
110	460(15)	462(16)	464(16)	466(15)
115	493(16)	495(16)	498(17)	499(16)
120	528(17)	530(17)	532(17)	534(17)
125	564(17)	566(18)	569(18)	570(18)

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

Charging chart is for use in Cooling mode only.

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

CZF06013C CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
CZF06013(C)	35	107	50.2	3.19	47.6	3.51	44.9	3.86	42.1	4.26	39.1	4.74	35.9	5.30	32.5	5.96
	40	118	55.3	3.17	52.5	3.50	49.6	3.85	46.5	4.25	43.3	4.72	39.9	5.28	36.3	5.92
	45	130	60.8	3.14	57.8	3.48	54.6	3.84	51.2	4.24	47.8	4.72	44.2	5.26	40.4	5.88
	50	142	66.6	3.13	63.3	3.48	59.9	3.84	56.3	4.23	52.5	4.71	48.7	5.25	44.7	5.85
	55	156	72.6	3.13	69.1	3.48	65.4	3.85	61.6	4.23	57.6	4.71	53.4	5.25	49.3	5.83

NOTES:

1. For condensing unit performance only. Data does not include the effects of air handler power or heat.
2. Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - a. Increase capacity by 1% for each 2°F increase in subcooling.
 - b. Decrease capacity by 1% for each 2°F decrease in subcooling.
3. Maximum recommended condensing temperature is 140°F.

CZF06013C W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1500	LIQUID PRESSURE (PSIG)	224	271	319	367	436	504	573
		LIQUID TEMPERATURE (°F)	68	78	87	97	106	116	125
		LIQUID SUBCOOLING (°F)	8	11	13	13	17	18	19
		SUCTION PRESSURE (PSIG)	124	126	129	131	134	138	141
		SUCTION TEMPERATURE (°F)	54	55	56	57	60	62	65
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	15	16
		OUTDOOR UNIT CURRENT (A)	11.2	12.9	14.5	16.2	19.0	21.9	24.7
		COMPRESSOR CURRENT (A)	9.1	10.8	12.4	14.1	16.9	19.8	22.7
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	23	21	20
	1700	LIQUID PRESSURE (PSIG)	225	272	319	366	434	503	572
		LIQUID TEMPERATURE (°F)	69	78	88	97	107	116	125
		LIQUID SUBCOOLING (°F)	8	11	12	13	16	18	19
		SUCTION PRESSURE (PSIG)	127	129	131	134	137	139	142
		SUCTION TEMPERATURE (°F)	56	56	57	58	60	63	65
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	11.2	12.9	14.5	16.2	19.0	21.8	24.6
		COMPRESSOR CURRENT (A)	9.1	10.8	12.4	14.1	16.9	19.7	22.5
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	22	21	20
	1900	LIQUID PRESSURE (PSIG)	225	272	319	365	433	502	570
		LIQUID TEMPERATURE (°F)	69	79	88	98	107	116	125
		LIQUID SUBCOOLING (°F)	8	11	12	12	16	18	19
		SUCTION PRESSURE (PSIG)	130	132	134	136	139	141	144
		SUCTION TEMPERATURE (°F)	57	58	58	59	61	63	65
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	11.2	12.9	14.5	16.2	18.9	21.7	24.4
		COMPRESSOR CURRENT (A)	9.2	10.8	12.4	14.1	16.8	19.6	22.4
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	20	19
80/57	1500	LIQUID PRESSURE (PSIG)	222	269	316	363	430	497	564
		LIQUID TEMPERATURE (°F)	69	78	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	8	10	12	12	15	17	18
		SUCTION PRESSURE (PSIG)	120	123	126	129	134	138	142
		SUCTION TEMPERATURE (°F)	52	54	55	57	60	62	65
		SUCTION SUPERHEAT (°F)	11	12	12	12	13	14	16
		OUTDOOR UNIT CURRENT (A)	11.2	12.9	14.5	16.1	18.8	21.5	24.2
		COMPRESSOR CURRENT (A)	9.1	10.7	12.4	14.1	16.8	19.5	22.2
		INDOOR COIL DB TEMP DROP (°F)	34	33	31	30	29	27	25
	1700	LIQUID PRESSURE (PSIG)	223	270	317	363	430	496	562
		LIQUID TEMPERATURE (°F)	69	79	88	98	107	116	126
		LIQUID SUBCOOLING (°F)	7	10	11	12	15	17	17
		SUCTION PRESSURE (PSIG)	125	128	131	134	138	142	146
		SUCTION TEMPERATURE (°F)	55	56	57	59	61	64	67
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	11.3	12.9	14.5	16.1	18.8	21.4	24.1
		COMPRESSOR CURRENT (A)	9.2	10.8	12.4	14.1	16.7	19.4	22.1
		INDOOR COIL DB TEMP DROP (°F)	31	30	29	28	26	25	24
	1900	LIQUID PRESSURE (PSIG)	225	271	318	364	429	495	560
		LIQUID TEMPERATURE (°F)	70	79	89	98	107	117	126
		LIQUID SUBCOOLING (°F)	7	10	11	11	14	16	17
		SUCTION PRESSURE (PSIG)	130	133	136	139	143	147	151
		SUCTION TEMPERATURE (°F)	57	58	60	61	63	66	68
		SUCTION SUPERHEAT (°F)	13	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	11.4	13.0	14.5	16.1	18.7	21.3	24.0
		COMPRESSOR CURRENT (A)	9.2	10.8	12.5	14.1	16.7	19.3	22.0
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	24	23	22

Continued on next page.

CZF06013C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1500	LIQUID PRESSURE (PSIG)	225	272	318	365	433	501	569
		LIQUID TEMPERATURE (°F)	69	78	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	8	11	12	12	16	18	18
		SUCTION PRESSURE (PSIG)	127	129	131	133	136	138	141
		SUCTION TEMPERATURE (°F)	55	56	57	58	60	62	64
		SUCTION SUPERHEAT (°F)	11	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	11.4	13.0	14.6	16.2	19.0	21.7	24.5
		COMPRESSOR CURRENT (A)	9.3	10.9	12.5	14.1	16.9	19.6	22.4
		INDOOR COIL DB TEMP DROP (°F)	30	29	29	28	27	26	25
	1700	LIQUID PRESSURE (PSIG)	226	272	318	364	431	498	565
		LIQUID TEMPERATURE (°F)	69	79	88	98	107	116	126
		LIQUID SUBCOOLING (°F)	8	11	12	12	15	17	18
		SUCTION PRESSURE (PSIG)	129	131	134	136	139	142	145
		SUCTION TEMPERATURE (°F)	56	57	58	59	62	64	66
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	11.4	13.0	14.6	16.2	18.9	21.5	24.2
		COMPRESSOR CURRENT (A)	9.2	10.8	12.4	14.0	16.7	19.5	22.2
		INDOOR COIL DB TEMP DROP (°F)	28	28	27	27	26	25	24
	1900	LIQUID PRESSURE (PSIG)	227	273	319	364	430	495	561
		LIQUID TEMPERATURE (°F)	70	79	88	98	107	116	126
		LIQUID SUBCOOLING (°F)	8	10	12	12	15	16	17
		SUCTION PRESSURE (PSIG)	132	134	136	139	142	145	149
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	65	68
		SUCTION SUPERHEAT (°F)	13	12	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	11.4	13.0	14.6	16.2	18.8	21.4	24.0
		COMPRESSOR CURRENT (A)	9.1	10.7	12.4	14.0	16.6	19.3	22.0
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	24	23	22
80/67	1500	LIQUID PRESSURE (PSIG)	227	274	321	368	434	501	568
		LIQUID TEMPERATURE (°F)	70	79	89	98	107	116	126
		LIQUID SUBCOOLING (°F)	8	10	12	12	15	17	18
		SUCTION PRESSURE (PSIG)	136	138	141	143	146	148	151
		SUCTION TEMPERATURE (°F)	61	62	62	63	64	66	68
		SUCTION SUPERHEAT (°F)	14	14	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	11.4	13.0	14.5	16.1	18.8	21.5	24.2
		COMPRESSOR CURRENT (A)	9.3	10.9	12.5	14.1	16.8	19.5	22.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	23	22	21
	1700	LIQUID PRESSURE (PSIG)	227	274	321	368	434	500	567
		LIQUID TEMPERATURE (°F)	70	80	89	98	107	117	126
		LIQUID SUBCOOLING (°F)	7	10	12	12	15	17	18
		SUCTION PRESSURE (PSIG)	139	141	143	145	148	150	153
		SUCTION TEMPERATURE (°F)	63	63	63	63	65	67	69
		SUCTION SUPERHEAT (°F)	14	14	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	11.4	13.0	14.5	16.1	18.8	21.5	24.2
		COMPRESSOR CURRENT (A)	9.3	10.9	12.5	14.1	16.8	19.5	22.2
		INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	21	21	20
	1900	LIQUID PRESSURE (PSIG)	228	274	321	368	434	500	566
		LIQUID TEMPERATURE (°F)	71	80	89	99	108	117	126
		LIQUID SUBCOOLING (°F)	7	10	11	12	15	17	18
		SUCTION PRESSURE (PSIG)	142	144	146	148	150	153	155
		SUCTION TEMPERATURE (°F)	64	64	64	64	66	68	69
		SUCTION SUPERHEAT (°F)	14	14	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	11.4	13.0	14.6	16.1	18.8	21.4	24.1
		COMPRESSOR CURRENT (A)	9.3	10.9	12.5	14.1	16.7	19.4	22.1
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	20	19

Continued on next page.

CZF06013C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1500	LIQUID PRESSURE (PSIG)	230	276	323	369	436	502	569
		LIQUID TEMPERATURE (°F)	71	81	90	99	108	117	126
		LIQUID SUBCOOLING (°F)	7	10	11	12	15	17	18
		SUCTION PRESSURE (PSIG)	147	149	151	154	157	160	163
		SUCTION TEMPERATURE (°F)	67	67	67	68	69	71	73
		SUCTION SUPERHEAT (°F)	15	15	14	13	14	15	16
		OUTDOOR UNIT CURRENT (A)	11.5	13.1	14.6	16.1	18.8	21.5	24.2
		COMPRESSOR CURRENT (A)	9.4	11.0	12.5	14.1	16.8	19.5	22.2
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	16
	1700	LIQUID PRESSURE (PSIG)	231	277	323	370	436	502	568
		LIQUID TEMPERATURE (°F)	71	81	90	99	108	117	126
		LIQUID SUBCOOLING (°F)	7	10	11	12	15	17	17
		SUCTION PRESSURE (PSIG)	148	151	154	156	159	162	165
		SUCTION TEMPERATURE (°F)	68	68	69	69	70	72	74
		SUCTION SUPERHEAT (°F)	16	15	14	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	11.5	13.1	14.6	16.2	18.8	21.5	24.1
		COMPRESSOR CURRENT (A)	9.4	11.0	12.5	14.1	16.8	19.5	22.1
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	17	16	15
	1900	LIQUID PRESSURE (PSIG)	232	278	324	370	436	501	567
		LIQUID TEMPERATURE (°F)	72	81	90	99	108	117	127
		LIQUID SUBCOOLING (°F)	7	10	11	11	15	16	17
		SUCTION PRESSURE (PSIG)	150	153	156	159	162	164	167
		SUCTION TEMPERATURE (°F)	69	69	70	70	71	73	74
		SUCTION SUPERHEAT (°F)	16	16	15	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	11.5	13.1	14.7	16.2	18.8	21.4	24.0
		COMPRESSOR CURRENT (A)	9.5	11.0	12.6	14.1	16.8	19.4	22.1
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	16	15	14

FOR USE WITH MODELS:

YCJF18S41S1
TCJF18S41S3
TCGF18S41S3
RAC14J184S21

YCJF18S41S1 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			
65	207(5)	208(5)	211(6)	214(7)
70	228(6)	228(6)	231(7)	233(8)
75	250(7)	250(7)	253(8)	255(8)
80	274(8)	273(8)	277(9)	278(9)
85	299(9)	298(9)	302(10)	302(10)
90	326(10)	324(10)	329(11)	328(11)
95	354(11)	352(11)	358(12)	356(12)
100	384(12)	381(12)	388(13)	386(12)
105	415(13)	413(13)	419(14)	417(13)
110	448(14)	445(14)	453(15)	449(14)
115	482(15)	479(14)	488(15)	484(15)
120	518(16)	515(15)	524(16)	519(15)
125	555(16)	553(16)	563(17)	557(16)

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

Charging chart is for use in Cooling mode only.

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

YCJF18S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJF18S41S1	35	107	16.8	1.12	15.9	1.26	14.9	1.42	13.9	1.59	12.8	1.79	11.7	2.02	10.6	2.30
	40	118	18.6	1.11	17.6	1.25	16.6	1.41	15.5	1.58	14.3	1.78	13.1	2.01	11.9	2.27
	45	130	20.6	1.09	19.5	1.24	18.3	1.40	17.1	1.57	15.9	1.77	14.6	2.00	13.3	2.26
	50	142	22.7	1.07	21.5	1.23	20.2	1.39	18.9	1.56	17.6	1.76	16.2	1.99	14.8	2.24
	55	156	24.9	1.06	23.6	1.22	22.2	1.38	20.8	1.56	19.3	1.76	17.9	1.98	16.3	2.23

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJF18S41S1 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	450	LIQUID PRESSURE (PSIG)	207	255	303	350	425	499	574
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	5	9	10	11	15	18	19
		SUCTION PRESSURE (PSIG)	121	124	126	129	132	136	139
		SUCTION TEMPERATURE (°F)	53	55	56	58	59	61	62
		SUCTION SUPERHEAT (°F)	12	12	13	14	14	13	13
		OUTDOOR UNIT CURRENT (A)	3.8	4.5	5.1	5.7	6.9	8.1	9.3
		COMPRESSOR CURRENT (A)	3.0	3.6	4.2	4.9	6.0	7.2	8.4
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	21
	600	LIQUID PRESSURE (PSIG)	208	255	302	349	420	491	562
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	6	9	10	10	14	16	17
		SUCTION PRESSURE (PSIG)	128	130	133	136	139	142	145
		SUCTION TEMPERATURE (°F)	54	56	58	60	62	63	64
		SUCTION SUPERHEAT (°F)	10	11	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	3.8	4.4	5.0	5.7	6.8	7.9	9.0
		COMPRESSOR CURRENT (A)	2.9	3.6	4.2	4.8	5.9	7.1	8.2
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	750	LIQUID PRESSURE (PSIG)	209	255	302	348	415	482	549
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	6	9	10	10	13	15	15
		SUCTION PRESSURE (PSIG)	135	137	140	142	145	148	151
		SUCTION TEMPERATURE (°F)	56	58	60	63	64	65	66
		SUCTION SUPERHEAT (°F)	9	10	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	3.8	4.4	5.0	5.6	6.7	7.7	8.8
		COMPRESSOR CURRENT (A)	2.9	3.5	4.1	4.8	5.8	6.9	7.9
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	19	18	17	16
80/57	450	LIQUID PRESSURE (PSIG)	202	253	303	353	421	489	557
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	116	125
		LIQUID SUBCOOLING (°F)	4	8	10	11	14	16	17
		SUCTION PRESSURE (PSIG)	114	116	118	120	127	133	139
		SUCTION TEMPERATURE (°F)	51	53	56	58	61	64	66
		SUCTION SUPERHEAT (°F)	13	14	16	18	18	17	18
		OUTDOOR UNIT CURRENT (A)	3.8	4.5	5.1	5.8	6.9	7.9	9.0
		COMPRESSOR CURRENT (A)	2.9	3.6	4.3	4.9	6.0	7.1	8.1
		INDOOR COIL DB TEMP DROP (°F)	34	33	31	29	28	27	26
	600	LIQUID PRESSURE (PSIG)	205	253	301	348	417	485	554
		LIQUID TEMPERATURE (°F)	67	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	5	8	10	10	14	15	16
		SUCTION PRESSURE (PSIG)	126	129	132	135	140	145	149
		SUCTION TEMPERATURE (°F)	54	56	59	61	64	66	69
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	3.8	4.4	5.0	5.6	6.7	7.8	8.8
		COMPRESSOR CURRENT (A)	2.9	3.6	4.2	4.8	5.9	6.9	8.0
		INDOOR COIL DB TEMP DROP (°F)	30	29	27	26	25	23	22
	750	LIQUID PRESSURE (PSIG)	208	253	299	344	412	481	550
		LIQUID TEMPERATURE (°F)	67	77	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	5	8	9	9	13	15	15
		SUCTION PRESSURE (PSIG)	137	141	146	150	153	156	159
		SUCTION TEMPERATURE (°F)	57	59	61	64	66	69	72
		SUCTION SUPERHEAT (°F)	9	10	10	11	13	14	16
		OUTDOOR UNIT CURRENT (A)	3.8	4.4	4.9	5.5	6.6	7.7	8.7
		COMPRESSOR CURRENT (A)	2.9	3.5	4.1	4.7	5.7	6.8	7.9
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	18

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YCJF18S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	450	LIQUID PRESSURE (PSIG)	204	252	300	348	419	490	561
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	5	8	10	10	14	16	17
		SUCTION PRESSURE (PSIG)	125	126	128	130	133	137	140
		SUCTION TEMPERATURE (°F)	51	53	55	57	60	62	64
		SUCTION SUPERHEAT (°F)	9	10	11	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	3.8	4.4	5.1	5.7	6.8	7.9	9.0
		COMPRESSOR CURRENT (A)	2.9	3.6	4.2	4.8	6.0	7.1	8.2
		INDOOR COIL DB TEMP DROP (°F)	31	30	29	28	27	26	25
	600	LIQUID PRESSURE (PSIG)	206	253	299	346	414	482	551
		LIQUID TEMPERATURE (°F)	67	77	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	5	8	9	10	13	15	16
		SUCTION PRESSURE (PSIG)	132	134	136	139	142	145	149
		SUCTION TEMPERATURE (°F)	54	56	58	60	62	64	67
		SUCTION SUPERHEAT (°F)	9	10	11	12	13	14	14
		OUTDOOR UNIT CURRENT (A)	3.8	4.4	5.0	5.6	6.7	7.7	8.8
		COMPRESSOR CURRENT (A)	2.9	3.5	4.1	4.8	5.8	6.9	8.0
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	23	22
	750	LIQUID PRESSURE (PSIG)	208	253	298	343	409	475	541
		LIQUID TEMPERATURE (°F)	67	77	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	5	8	9	9	12	14	14
		SUCTION PRESSURE (PSIG)	139	142	144	147	151	154	157
		SUCTION TEMPERATURE (°F)	57	59	61	63	65	67	69
		SUCTION SUPERHEAT (°F)	9	9	10	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	3.8	4.4	4.9	5.5	6.5	7.5	8.6
		COMPRESSOR CURRENT (A)	2.9	3.5	4.1	4.7	5.7	6.7	7.7
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	20	19
80/67	450	LIQUID PRESSURE (PSIG)	208	256	303	351	423	496	569
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	6	9	11	11	15	17	18
		SUCTION PRESSURE (PSIG)	134	136	138	140	144	147	151
		SUCTION TEMPERATURE (°F)	54	57	60	63	64	66	67
		SUCTION SUPERHEAT (°F)	7	10	12	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	3.8	4.4	5.1	5.7	6.8	8.0	9.1
		COMPRESSOR CURRENT (A)	2.9	3.5	4.2	4.9	6.0	7.1	8.3
		INDOOR COIL DB TEMP DROP (°F)	27	26	24	23	22	22	21
	600	LIQUID PRESSURE (PSIG)	209	256	304	351	421	491	561
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	6	9	11	11	14	16	17
		SUCTION PRESSURE (PSIG)	141	143	145	147	150	153	157
		SUCTION TEMPERATURE (°F)	57	59	62	64	66	67	68
		SUCTION SUPERHEAT (°F)	8	9	11	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	3.7	4.4	5.0	5.7	6.7	7.8	8.9
		COMPRESSOR CURRENT (A)	2.9	3.5	4.2	4.8	5.9	7.0	8.1
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	20	19
	750	LIQUID PRESSURE (PSIG)	210	257	304	351	418	486	553
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	6	9	11	11	14	15	15
		SUCTION PRESSURE (PSIG)	147	149	152	154	157	159	162
		SUCTION TEMPERATURE (°F)	60	62	64	66	67	69	70
		SUCTION SUPERHEAT (°F)	8	9	10	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	3.7	4.3	5.0	5.6	6.6	7.7	8.7
		COMPRESSOR CURRENT (A)	2.8	3.5	4.1	4.8	5.8	6.8	7.9
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	19	18	18	17

Continued on next page.

YCJF18S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	450	LIQUID PRESSURE (PSIG)	211	257	304	350	417	484	552
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	6	9	10	10	13	15	15
		SUCTION PRESSURE (PSIG)	145	149	152	155	158	162	165
		SUCTION TEMPERATURE (°F)	60	62	64	66	67	69	70
		SUCTION SUPERHEAT (°F)	9	10	11	11	12	12	12
		OUTDOOR UNIT CURRENT (A)	3.7	4.3	4.9	5.6	6.6	7.7	8.7
		COMPRESSOR CURRENT (A)	2.9	3.5	4.1	4.7	5.8	6.8	7.9
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	17	16
	600	LIQUID PRESSURE (PSIG)	212	258	304	350	418	487	555
		LIQUID TEMPERATURE (°F)	67	77	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	7	9	10	10	14	15	16
		SUCTION PRESSURE (PSIG)	154	156	159	162	164	167	170
		SUCTION TEMPERATURE (°F)	63	65	66	68	69	71	72
		SUCTION SUPERHEAT (°F)	9	10	10	11	11	12	12
		OUTDOOR UNIT CURRENT (A)	3.7	4.3	4.9	5.5	6.6	7.7	8.7
		COMPRESSOR CURRENT (A)	2.8	3.5	4.1	4.7	5.8	6.8	7.9
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	17	16	15	14
	750	LIQUID PRESSURE (PSIG)	214	259	304	349	419	489	559
		LIQUID TEMPERATURE (°F)	67	77	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	7	9	10	10	14	16	16
		SUCTION PRESSURE (PSIG)	162	164	166	168	170	173	175
		SUCTION TEMPERATURE (°F)	67	68	69	70	71	72	74
		SUCTION SUPERHEAT (°F)	10	10	10	11	11	12	12
		OUTDOOR UNIT CURRENT (A)	3.7	4.3	4.9	5.5	6.6	7.7	8.8
		COMPRESSOR CURRENT (A)	2.8	3.4	4.0	4.6	5.7	6.8	7.9
		INDOOR COIL DB TEMP DROP (°F)	16	16	15	15	14	13	12

FOR USE WITH MODELS:**YCJF24S41S1****TCJF24S41S3****TCGF24S41S(1,3)****RAC14J244S21**

YCJF24S41S1 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			
65	217(8)	216(8)	219(8)	222(6)
70	237(9)	238(9)	240(9)	242(7)
75	259(10)	262(10)	262(10)	264(9)
80	283(11)	287(12)	287(11)	287(10)
85	309(12)	314(13)	313(12)	312(11)
90	336(13)	343(14)	341(13)	339(12)
95	366(14)	373(15)	370(14)	368(13)
100	398(15)	405(16)	402(15)	398(14)
105	431(16)	439(17)	435(16)	430(15)
110	467(17)	474(18)	470(17)	464(16)
115	504(18)	511(19)	507(18)	499(17)
120	543(19)	550(20)	545(19)	536(18)
125	584(20)	590(21)	585(20)	574(19)

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

Charging chart is for use in Cooling mode only.

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

YCJF24S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJF24S41S1	35	107	24.1	1.46	22.9	1.64	21.6	1.83	20.2	2.04	18.7	2.29	17.0	2.58	15.2	2.91
	40	118	26.5	1.45	25.2	1.62	23.8	1.81	22.4	2.02	20.8	2.27	19.0	2.55	17.2	2.87
	45	130	29.2	1.45	27.7	1.62	26.2	1.81	24.7	2.01	23.0	2.25	21.2	2.53	19.2	2.84
	50	142	31.9	1.46	30.4	1.63	28.8	1.81	27.2	2.01	25.4	2.25	23.5	2.52	21.5	2.81
	55	156	34.9	1.49	33.2	1.65	31.6	1.83	29.8	2.02	28.0	2.25	26.0	2.52	23.8	2.81

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJF24S41S1 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	500	LIQUID PRESSURE (PSIG)	215	263	311	360	439	519	599
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	8	11	12	12	17	21	22
		SUCTION PRESSURE (PSIG)	112	115	119	122	125	129	132
		SUCTION TEMPERATURE (°F)	43	46	48	50	52	53	54
		SUCTION SUPERHEAT (°F)	7	7	8	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	5.2	6.1	6.9	7.8	9.4	11.1	12.7
		COMPRESSOR CURRENT (A)	4.4	5.3	6.1	7.0	8.6	10.3	11.9
		INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	23	22
	700	LIQUID PRESSURE (PSIG)	217	265	312	359	441	522	604
		LIQUID TEMPERATURE (°F)	67	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	8	11	12	12	18	21	23
		SUCTION PRESSURE (PSIG)	119	122	125	128	131	134	137
		SUCTION TEMPERATURE (°F)	47	49	51	53	54	55	57
		SUCTION SUPERHEAT (°F)	7	8	8	8	9	9	9
		OUTDOOR UNIT CURRENT (A)	5.2	6.1	6.9	7.7	9.4	11.1	12.8
		COMPRESSOR CURRENT (A)	4.4	5.3	6.1	6.9	8.6	10.3	12.0
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	20	19
	900	LIQUID PRESSURE (PSIG)	219	266	312	359	442	525	608
		LIQUID TEMPERATURE (°F)	67	77	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	8	11	12	12	18	21	23
		SUCTION PRESSURE (PSIG)	127	129	132	135	137	139	141
		SUCTION TEMPERATURE (°F)	51	52	54	55	56	58	59
		SUCTION SUPERHEAT (°F)	8	8	8	8	9	9	10
		OUTDOOR UNIT CURRENT (A)	5.2	6.0	6.9	7.7	9.4	11.1	12.9
		COMPRESSOR CURRENT (A)	4.4	5.2	6.1	6.9	8.6	10.4	12.1
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	17
80/57	500	LIQUID PRESSURE (PSIG)	215	262	309	356	435	513	592
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	8	11	12	12	17	20	21
		SUCTION PRESSURE (PSIG)	98	103	108	113	118	124	130
		SUCTION TEMPERATURE (°F)	38	41	44	48	50	53	56
		SUCTION SUPERHEAT (°F)	7	8	9	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	5.3	6.1	6.9	7.8	9.4	11.0	12.7
		COMPRESSOR CURRENT (A)	4.5	5.3	6.2	7.0	8.6	10.3	11.9
		INDOOR COIL DB TEMP DROP (°F)	37	36	35	34	32	31	29
	700	LIQUID PRESSURE (PSIG)	215	263	311	358	433	508	582
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	8	11	12	12	16	19	20
		SUCTION PRESSURE (PSIG)	110	114	118	122	128	134	139
		SUCTION TEMPERATURE (°F)	45	47	50	52	55	57	60
		SUCTION SUPERHEAT (°F)	8	9	10	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.2	6.1	6.9	7.8	9.3	10.8	12.4
		COMPRESSOR CURRENT (A)	4.4	5.3	6.1	7.0	8.5	10.1	11.6
		INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	27	26	24
	900	LIQUID PRESSURE (PSIG)	214	263	312	361	431	502	573
		LIQUID TEMPERATURE (°F)	67	77	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	7	10	12	13	16	18	19
		SUCTION PRESSURE (PSIG)	123	125	128	131	137	143	149
		SUCTION TEMPERATURE (°F)	51	53	55	57	59	61	63
		SUCTION SUPERHEAT (°F)	9	10	11	11	11	11	10
		OUTDOOR UNIT CURRENT (A)	5.2	6.0	6.9	7.7	9.2	10.6	12.1
		COMPRESSOR CURRENT (A)	4.4	5.2	6.1	7.0	8.4	9.9	11.3
		INDOOR COIL DB TEMP DROP (°F)	28	26	25	23	22	21	20

Continued on next page.

YCJF24S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	500	LIQUID PRESSURE (PSIG)	212	263	314	365	443	521	600
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	7	11	13	14	18	21	22
		SUCTION PRESSURE (PSIG)	112	114	116	118	123	128	132
		SUCTION TEMPERATURE (°F)	42	45	48	51	52	53	54
		SUCTION SUPERHEAT (°F)	5	7	9	11	10	9	8
		OUTDOOR UNIT CURRENT (A)	5.2	6.1	7.0	7.9	9.5	11.1	12.8
		COMPRESSOR CURRENT (A)	4.4	5.3	6.2	7.1	8.7	10.4	12.0
		INDOOR COIL DB TEMP DROP (°F)	33	32	30	29	28	27	27
	700	LIQUID PRESSURE (PSIG)	214	265	316	366	440	514	589
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	7	11	13	14	18	20	21
		SUCTION PRESSURE (PSIG)	120	122	123	125	130	135	140
		SUCTION TEMPERATURE (°F)	47	49	52	54	55	56	58
		SUCTION SUPERHEAT (°F)	7	8	10	11	10	9	9
		OUTDOOR UNIT CURRENT (A)	5.2	6.1	7.0	7.9	9.4	10.9	12.4
		COMPRESSOR CURRENT (A)	4.4	5.3	6.2	7.1	8.6	10.1	11.7
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23
	900	LIQUID PRESSURE (PSIG)	216	267	317	368	438	508	578
		LIQUID TEMPERATURE (°F)	67	77	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	8	11	13	14	17	19	19
		SUCTION PRESSURE (PSIG)	128	129	130	132	137	142	147
		SUCTION TEMPERATURE (°F)	52	54	55	57	58	60	61
		SUCTION SUPERHEAT (°F)	8	9	10	11	10	10	9
		OUTDOOR UNIT CURRENT (A)	5.2	6.1	7.0	7.9	9.3	10.7	12.1
		COMPRESSOR CURRENT (A)	4.3	5.3	6.2	7.1	8.5	9.9	11.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	22	21	20
80/67	500	LIQUID PRESSURE (PSIG)	214	265	316	367	442	517	593
		LIQUID TEMPERATURE (°F)	67	77	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	7	11	13	14	18	20	21
		SUCTION PRESSURE (PSIG)	123	125	127	128	133	137	141
		SUCTION TEMPERATURE (°F)	49	51	52	54	55	56	57
		SUCTION SUPERHEAT (°F)	7	8	9	9	9	8	8
		OUTDOOR UNIT CURRENT (A)	5.1	6.0	7.0	7.9	9.4	10.9	12.5
		COMPRESSOR CURRENT (A)	4.3	5.2	6.2	7.1	8.6	10.2	11.7
		INDOOR COIL DB TEMP DROP (°F)	29	28	26	25	24	23	23
	700	LIQUID PRESSURE (PSIG)	217	266	315	363	437	510	584
		LIQUID TEMPERATURE (°F)	67	77	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	7	11	12	13	17	19	20
		SUCTION PRESSURE (PSIG)	131	133	135	137	141	144	147
		SUCTION TEMPERATURE (°F)	53	54	55	57	57	58	59
		SUCTION SUPERHEAT (°F)	8	8	8	9	8	8	8
		OUTDOOR UNIT CURRENT (A)	5.2	6.0	6.9	7.8	9.2	10.7	12.2
		COMPRESSOR CURRENT (A)	4.4	5.2	6.1	7.0	8.5	10.0	11.5
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	22	21	20
	900	LIQUID PRESSURE (PSIG)	221	267	314	360	432	503	575
		LIQUID TEMPERATURE (°F)	68	78	87	97	106	116	126
		LIQUID SUBCOOLING (°F)	7	10	12	12	16	18	19
		SUCTION PRESSURE (PSIG)	138	141	143	146	148	151	154
		SUCTION TEMPERATURE (°F)	57	58	58	59	60	61	62
		SUCTION SUPERHEAT (°F)	8	8	8	8	8	8	8
		OUTDOOR UNIT CURRENT (A)	5.2	6.0	6.8	7.6	9.1	10.5	12.0
		COMPRESSOR CURRENT (A)	4.4	5.2	6.0	6.9	8.3	9.8	11.2
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	17

Continued on next page.

YCJF24S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	500	LIQUID PRESSURE (PSIG)	220	267	314	361	434	508	583
		LIQUID TEMPERATURE (°F)	67	77	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	8	11	12	13	17	19	20
		SUCTION PRESSURE (PSIG)	133	136	139	142	146	150	153
		SUCTION TEMPERATURE (°F)	55	56	57	58	59	60	61
		SUCTION SUPERHEAT (°F)	9	9	9	9	8	8	7
		OUTDOOR UNIT CURRENT (A)	5.2	6.0	6.8	7.6	9.2	10.7	12.2
		COMPRESSOR CURRENT (A)	4.4	5.2	6.0	6.9	8.4	9.9	11.4
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	18
	700	LIQUID PRESSURE (PSIG)	220	267	314	361	432	502	573
		LIQUID TEMPERATURE (°F)	70	79	88	97	106	116	126
		LIQUID SUBCOOLING (°F)	6	9	11	12	16	18	18
		SUCTION PRESSURE (PSIG)	143	145	148	150	153	157	160
		SUCTION TEMPERATURE (°F)	59	60	60	61	62	63	64
		SUCTION SUPERHEAT (°F)	9	9	9	8	8	8	7
		OUTDOOR UNIT CURRENT (A)	5.2	6.0	6.8	7.6	9.1	10.5	11.9
		COMPRESSOR CURRENT (A)	4.4	5.2	6.0	6.8	8.3	9.7	11.2
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	17	17	16
	900	LIQUID PRESSURE (PSIG)	220	268	315	362	429	496	563
		LIQUID TEMPERATURE (°F)	72	80	89	97	107	116	126
		LIQUID SUBCOOLING (°F)	4	8	11	12	15	17	17
		SUCTION PRESSURE (PSIG)	153	155	156	158	161	164	167
		SUCTION TEMPERATURE (°F)	63	63	64	64	65	66	66
		SUCTION SUPERHEAT (°F)	9	9	9	8	8	8	8
		OUTDOOR UNIT CURRENT (A)	5.2	6.0	6.8	7.6	8.9	10.3	11.7
		COMPRESSOR CURRENT (A)	4.3	5.2	6.0	6.8	8.2	9.5	10.9
		INDOOR COIL DB TEMP DROP (°F)	16	16	16	15	15	14	13

FOR USE WITH MODELS:**YCJF30S41S1****TCJF30S41S3****TCGF30S41S(1,3)****RAC14J304S21**

YCJF30S41S1 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			
65	217(8)	218(8)	220(6)	222(3)
70	237(9)	238(9)	240(7)	242(5)
75	259(9)	260(10)	261(8)	264(6)
80	281(10)	282(10)	284(9)	286(8)
85	304(11)	305(11)	307(10)	310(9)
90	328(11)	329(12)	332(11)	334(10)
95	354(12)	355(12)	357(12)	359(11)
100	380(12)	381(13)	384(13)	385(12)
105	407(13)	408(13)	411(13)	412(12)
110	436(13)	437(13)	440(13)	440(12)
115	465(13)	466(13)	469(13)	469(13)
120	495(13)	496(13)	500(13)	499(13)
125	527(13)	528(13)	531(13)	529(12)

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

Charging chart is for use in Cooling mode only.

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

YCJF30S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJF30S41S1	35	107	27.8	1.83	26.4	2.02	24.9	2.23	23.3	2.46	21.6	2.75	19.8	3.08	17.8	3.47
	40	118	30.7	1.83	29.1	2.01	27.5	2.22	25.8	2.45	24.1	2.73	22.1	3.05	20.0	3.43
	45	130	33.8	1.82	32.1	2.00	30.3	2.21	28.5	2.43	26.6	2.71	24.6	3.03	22.4	3.39
	50	142	37.1	1.82	35.2	2.00	33.4	2.20	31.4	2.42	29.4	2.69	27.2	3.01	24.9	3.36
	55	156	40.7	1.82	38.6	2.01	36.6	2.20	34.5	2.42	32.3	2.69	30.0	2.99	27.6	3.34

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJF30S41S1 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	216	261	306	351	411	472	533
		LIQUID TEMPERATURE (°F)	66	75	85	95	105	115	124
		LIQUID SUBCOOLING (°F)	9	11	12	12	14	15	14
		SUCTION PRESSURE (PSIG)	119	120	122	123	126	129	133
		SUCTION TEMPERATURE (°F)	51	52	54	55	58	60	62
		SUCTION SUPERHEAT (°F)	10	11	13	14	14	15	16
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	8.0	8.9	10.4	11.8	13.3
		COMPRESSOR CURRENT (A)	5.2	6.2	7.2	8.1	9.6	11.1	12.5
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	21
	1000	LIQUID PRESSURE (PSIG)	217	262	307	351	412	473	534
		LIQUID TEMPERATURE (°F)	67	76	86	95	105	115	124
		LIQUID SUBCOOLING (°F)	8	10	12	12	14	15	14
		SUCTION PRESSURE (PSIG)	124	125	126	127	130	133	136
		SUCTION TEMPERATURE (°F)	52	54	55	57	59	61	63
		SUCTION SUPERHEAT (°F)	10	11	12	13	14	15	16
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	7.9	8.9	10.4	11.8	13.3
		COMPRESSOR CURRENT (A)	5.2	6.2	7.2	8.1	9.6	11.1	12.5
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	20	19	19
	1200	LIQUID PRESSURE (PSIG)	218	262	307	352	413	473	534
		LIQUID TEMPERATURE (°F)	68	77	86	95	105	115	124
		LIQUID SUBCOOLING (°F)	7	10	11	12	14	15	14
		SUCTION PRESSURE (PSIG)	129	130	131	131	134	137	139
		SUCTION TEMPERATURE (°F)	54	55	57	58	60	62	65
		SUCTION SUPERHEAT (°F)	10	11	12	12	14	15	16
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	7.9	8.9	10.4	11.8	13.3
		COMPRESSOR CURRENT (A)	5.2	6.2	7.2	8.1	9.6	11.1	12.5
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	18	18	17	17
80/57	800	LIQUID PRESSURE (PSIG)	215	259	304	349	409	469	529
		LIQUID TEMPERATURE (°F)	65	75	85	95	105	115	124
		LIQUID SUBCOOLING (°F)	9	11	12	12	13	14	14
		SUCTION PRESSURE (PSIG)	112	115	117	120	125	130	135
		SUCTION TEMPERATURE (°F)	50	52	54	56	58	61	63
		SUCTION SUPERHEAT (°F)	13	14	15	15	16	16	16
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	8.0	8.9	10.3	11.8	13.2
		COMPRESSOR CURRENT (A)	5.3	6.2	7.2	8.1	9.6	11.0	12.5
		INDOOR COIL DB TEMP DROP (°F)	33	32	30	29	28	27	25
	1000	LIQUID PRESSURE (PSIG)	216	261	305	350	408	467	526
		LIQUID TEMPERATURE (°F)	67	76	86	95	105	115	125
		LIQUID SUBCOOLING (°F)	7	10	11	11	13	13	13
		SUCTION PRESSURE (PSIG)	120	123	126	129	134	139	143
		SUCTION TEMPERATURE (°F)	53	55	56	58	60	62	65
		SUCTION SUPERHEAT (°F)	12	13	13	13	14	14	15
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	8.0	8.9	10.3	11.7	13.1
		COMPRESSOR CURRENT (A)	5.3	6.2	7.2	8.1	9.5	10.9	12.4
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23
	1200	LIQUID PRESSURE (PSIG)	218	262	306	350	408	465	523
		LIQUID TEMPERATURE (°F)	69	78	87	96	106	115	125
		LIQUID SUBCOOLING (°F)	6	9	10	11	12	13	12
		SUCTION PRESSURE (PSIG)	128	131	135	138	142	147	152
		SUCTION TEMPERATURE (°F)	56	57	58	59	62	64	66
		SUCTION SUPERHEAT (°F)	12	12	11	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	7.9	8.9	10.3	11.6	13.0
		COMPRESSOR CURRENT (A)	5.3	6.2	7.2	8.1	9.5	10.9	12.2
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20

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YCJF30S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	800	LIQUID PRESSURE (PSIG)	216	261	306	350	411	471	532
		LIQUID TEMPERATURE (°F)	66	76	85	95	105	115	125
		LIQUID SUBCOOLING (°F)	9	11	12	12	14	14	14
		SUCTION PRESSURE (PSIG)	119	120	122	123	127	131	135
		SUCTION TEMPERATURE (°F)	52	54	55	57	59	61	63
		SUCTION SUPERHEAT (°F)	12	13	14	15	15	16	17
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	8.0	8.9	10.4	11.8	13.3
		COMPRESSOR CURRENT (A)	5.3	6.2	7.2	8.1	9.6	11.0	12.5
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	26	26	25	24
	1000	LIQUID PRESSURE (PSIG)	217	262	306	351	409	468	527
		LIQUID TEMPERATURE (°F)	67	77	86	95	105	115	125
		LIQUID SUBCOOLING (°F)	7	10	11	12	13	14	13
		SUCTION PRESSURE (PSIG)	125	126	127	128	133	138	142
		SUCTION TEMPERATURE (°F)	54	56	57	58	60	63	65
		SUCTION SUPERHEAT (°F)	11	12	13	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	7.9	8.9	10.3	11.7	13.1
		COMPRESSOR CURRENT (A)	5.3	6.2	7.2	8.1	9.5	10.9	12.3
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	24	23	22
	1200	LIQUID PRESSURE (PSIG)	218	262	307	351	408	465	522
		LIQUID TEMPERATURE (°F)	69	78	87	95	105	115	125
		LIQUID SUBCOOLING (°F)	6	9	11	12	13	13	12
		SUCTION PRESSURE (PSIG)	130	131	132	133	139	145	150
		SUCTION TEMPERATURE (°F)	56	57	59	60	62	64	66
		SUCTION SUPERHEAT (°F)	11	12	13	14	14	13	13
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	7.9	8.9	10.2	11.6	12.9
		COMPRESSOR CURRENT (A)	5.2	6.2	7.1	8.1	9.4	10.8	12.1
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	21	20
80/67	800	LIQUID PRESSURE (PSIG)	218	263	308	353	412	472	532
		LIQUID TEMPERATURE (°F)	68	77	86	96	105	115	125
		LIQUID SUBCOOLING (°F)	7	10	11	12	13	14	13
		SUCTION PRESSURE (PSIG)	130	131	133	134	138	141	145
		SUCTION TEMPERATURE (°F)	55	56	58	59	61	63	65
		SUCTION SUPERHEAT (°F)	10	11	12	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	7.9	8.9	10.3	11.8	13.2
		COMPRESSOR CURRENT (A)	5.2	6.2	7.2	8.1	9.6	11.0	12.4
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	22	21	21
	1000	LIQUID PRESSURE (PSIG)	219	263	308	353	412	471	530
		LIQUID TEMPERATURE (°F)	70	78	87	96	106	115	125
		LIQUID SUBCOOLING (°F)	5	9	11	12	13	14	13
		SUCTION PRESSURE (PSIG)	136	137	138	139	142	146	149
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	64	66
		SUCTION SUPERHEAT (°F)	9	10	11	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	7.9	8.9	10.3	11.7	13.1
		COMPRESSOR CURRENT (A)	5.2	6.2	7.2	8.1	9.5	10.9	12.4
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	19
	1200	LIQUID PRESSURE (PSIG)	219	264	309	354	412	470	529
		LIQUID TEMPERATURE (°F)	71	80	88	96	106	115	125
		LIQUID SUBCOOLING (°F)	4	8	10	11	13	13	13
		SUCTION PRESSURE (PSIG)	142	143	144	145	147	150	153
		SUCTION TEMPERATURE (°F)	58	59	60	62	64	66	68
		SUCTION SUPERHEAT (°F)	9	9	10	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	7.9	8.9	10.3	11.7	13.0
		COMPRESSOR CURRENT (A)	5.3	6.2	7.2	8.1	9.5	10.9	12.3
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	19	18	18	17

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YCJF30S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	800	LIQUID PRESSURE (PSIG)	219	264	309	355	413	470	529
		LIQUID TEMPERATURE (°F)	72	80	88	97	106	116	125
		LIQUID SUBCOOLING (°F)	3	7	10	11	13	13	13
		SUCTION PRESSURE (PSIG)	145	146	147	148	151	154	157
		SUCTION TEMPERATURE (°F)	59	60	61	62	64	66	68
		SUCTION SUPERHEAT (°F)	8	9	10	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	7.9	8.8	10.2	11.6	13.0
		COMPRESSOR CURRENT (A)	5.3	6.2	7.1	8.1	9.5	10.9	12.3
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	18	17	16
	1000	LIQUID PRESSURE (PSIG)	221	266	311	356	413	471	528
		LIQUID TEMPERATURE (°F)	73	81	89	97	107	116	125
		LIQUID SUBCOOLING (°F)	3	6	9	10	12	13	13
		SUCTION PRESSURE (PSIG)	150	151	152	153	156	159	162
		SUCTION TEMPERATURE (°F)	61	62	63	64	66	68	69
		SUCTION SUPERHEAT (°F)	9	9	10	10	11	12	12
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	7.9	8.8	10.2	11.6	13.0
		COMPRESSOR CURRENT (A)	5.3	6.2	7.1	8.1	9.5	10.8	12.2
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	16	15	15
	1200	LIQUID PRESSURE (PSIG)	222	267	312	357	414	471	528
		LIQUID TEMPERATURE (°F)	74	82	90	98	107	117	126
		LIQUID SUBCOOLING (°F)	2	6	8	10	12	12	12
		SUCTION PRESSURE (PSIG)	154	156	157	159	161	163	166
		SUCTION TEMPERATURE (°F)	64	64	65	65	67	69	71
		SUCTION SUPERHEAT (°F)	10	10	10	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	7.9	8.9	10.2	11.6	13.0
		COMPRESSOR CURRENT (A)	5.3	6.2	7.2	8.1	9.5	10.8	12.2
		INDOOR COIL DB TEMP DROP (°F)	16	15	15	15	14	14	13

FOR USE WITH MODELS:**YCJF36S41S1****TCJF36S41S3****TCGF36S41S(1,3)****RAC14J364S21**

YCJF36S41S1 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			
65	225(9)	226(9)	228(8)	230(7)
70	244(10)	245(10)	247(9)	250(8)
75	265(10)	266(11)	268(10)	271(9)
80	288(11)	289(11)	291(11)	294(10)
85	313(12)	314(12)	316(12)	318(11)
90	340(13)	341(13)	343(12)	345(12)
95	369(14)	369(14)	371(13)	372(13)
100	399(15)	400(15)	401(14)	401(13)
105	431(15)	432(16)	433(15)	432(14)
110	465(16)	466(16)	467(16)	465(15)
115	501(17)	502(17)	503(17)	499(16)
120	538(18)	539(18)	541(18)	534(17)
125	578(19)	579(19)	580(20)	572(18)

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

Charging chart is for use in Cooling mode only.

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

YCJF36S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJF36S41S1	35	107	33.2	2.14	31.4	2.37	29.6	2.62	27.8	2.90	25.8	3.23	23.7	3.62	21.5	4.08
	40	118	36.6	2.13	34.7	2.36	32.7	2.60	30.7	2.88	28.6	3.21	26.3	3.60	24.0	4.04
	45	130	40.2	2.12	38.2	2.35	36.1	2.60	33.9	2.87	31.6	3.19	29.2	3.58	26.7	4.01
	50	142	44.1	2.12	41.9	2.35	39.6	2.59	37.2	2.86	34.8	3.18	32.2	3.56	29.5	3.99
	55	156	48.3	2.13	45.8	2.35	43.3	2.60	40.9	2.85	38.2	3.17	35.5	3.55	32.6	3.96

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJF36S41S1 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	224	270	316	362	437	513	588
		LIQUID TEMPERATURE (°F)	67	77	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	10	12	13	13	17	20	21
		SUCTION PRESSURE (PSIG)	125	128	130	133	136	139	142
		SUCTION TEMPERATURE (°F)	51	54	57	60	64	68	72
		SUCTION SUPERHEAT (°F)	8	10	12	14	17	20	22
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	9.3	10.4	12.6	14.9	17.1
		COMPRESSOR CURRENT (A)	6.1	7.2	8.4	9.5	11.7	14.0	16.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	20	19
	1200	LIQUID PRESSURE (PSIG)	224	270	316	362	437	511	586
		LIQUID TEMPERATURE (°F)	67	77	87	97	106	116	126
		LIQUID SUBCOOLING (°F)	9	12	13	13	17	19	20
		SUCTION PRESSURE (PSIG)	129	132	134	136	139	142	145
		SUCTION TEMPERATURE (°F)	52	55	58	61	65	69	73
		SUCTION SUPERHEAT (°F)	8	10	12	13	16	19	22
		OUTDOOR UNIT CURRENT (A)	7.1	8.2	9.3	10.4	12.6	14.8	17.0
		COMPRESSOR CURRENT (A)	6.1	7.2	8.3	9.5	11.7	13.9	16.1
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1400	LIQUID PRESSURE (PSIG)	225	271	317	363	436	510	584
		LIQUID TEMPERATURE (°F)	68	78	87	97	106	116	126
		LIQUID SUBCOOLING (°F)	9	11	13	13	17	19	20
		SUCTION PRESSURE (PSIG)	134	136	137	139	142	145	147
		SUCTION TEMPERATURE (°F)	54	57	59	62	66	69	73
		SUCTION SUPERHEAT (°F)	7	9	11	13	16	19	21
		OUTDOOR UNIT CURRENT (A)	7.1	8.2	9.3	10.3	12.5	14.7	16.8
		COMPRESSOR CURRENT (A)	6.1	7.2	8.3	9.4	11.6	13.8	15.9
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	17
80/57	1000	LIQUID PRESSURE (PSIG)	222	268	314	360	434	507	581
		LIQUID TEMPERATURE (°F)	67	77	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	9	12	13	12	16	19	20
		SUCTION PRESSURE (PSIG)	120	124	127	130	135	140	145
		SUCTION TEMPERATURE (°F)	51	54	57	61	65	70	74
		SUCTION SUPERHEAT (°F)	10	12	14	16	18	21	23
		OUTDOOR UNIT CURRENT (A)	7.0	8.1	9.2	10.3	12.5	14.7	16.9
		COMPRESSOR CURRENT (A)	6.1	7.2	8.3	9.4	11.6	13.8	16.0
		INDOOR COIL DB TEMP DROP (°F)	31	30	29	28	26	24	23
	1200	LIQUID PRESSURE (PSIG)	223	269	315	361	433	504	576
		LIQUID TEMPERATURE (°F)	68	78	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	8	11	12	12	16	18	19
		SUCTION PRESSURE (PSIG)	128	131	134	138	142	147	151
		SUCTION TEMPERATURE (°F)	52	56	59	62	67	71	75
		SUCTION SUPERHEAT (°F)	9	11	12	14	17	20	22
		OUTDOOR UNIT CURRENT (A)	7.1	8.2	9.3	10.3	12.4	14.5	16.6
		COMPRESSOR CURRENT (A)	6.2	7.3	8.3	9.4	11.5	13.6	15.8
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	22	21
	1400	LIQUID PRESSURE (PSIG)	224	270	316	362	432	501	571
		LIQUID TEMPERATURE (°F)	69	78	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	8	10	12	12	15	17	18
		SUCTION PRESSURE (PSIG)	135	138	141	145	149	153	157
		SUCTION TEMPERATURE (°F)	54	58	61	64	68	72	76
		SUCTION SUPERHEAT (°F)	7	9	11	13	16	18	21
		OUTDOOR UNIT CURRENT (A)	7.2	8.2	9.3	10.3	12.3	14.3	16.3
		COMPRESSOR CURRENT (A)	6.3	7.3	8.4	9.4	11.4	13.4	15.5
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	21	20	19

Continued on next page.

YCJF36S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1000	LIQUID PRESSURE (PSIG)	224	270	316	362	436	509	582
		LIQUID TEMPERATURE (°F)	67	77	87	97	106	116	126
		LIQUID SUBCOOLING (°F)	9	12	13	13	17	19	20
		SUCTION PRESSURE (PSIG)	126	129	131	133	137	141	145
		SUCTION TEMPERATURE (°F)	52	55	58	62	65	69	73
		SUCTION SUPERHEAT (°F)	9	11	13	15	18	20	22
		OUTDOOR UNIT CURRENT (A)	7.1	8.2	9.3	10.4	12.6	14.7	16.9
		COMPRESSOR CURRENT (A)	6.2	7.3	8.4	9.5	11.7	13.8	16.0
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	27	25	24	23
	1200	LIQUID PRESSURE (PSIG)	224	270	316	362	434	505	577
		LIQUID TEMPERATURE (°F)	68	77	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	9	11	12	12	16	18	19
		SUCTION PRESSURE (PSIG)	130	133	136	138	142	146	150
		SUCTION TEMPERATURE (°F)	53	56	60	63	66	70	74
		SUCTION SUPERHEAT (°F)	8	10	12	15	17	19	21
		OUTDOOR UNIT CURRENT (A)	7.1	8.2	9.3	10.4	12.5	14.5	16.6
		COMPRESSOR CURRENT (A)	6.2	7.3	8.4	9.5	11.6	13.6	15.7
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	23	22	21
	1400	LIQUID PRESSURE (PSIG)	225	270	316	362	432	501	571
		LIQUID TEMPERATURE (°F)	68	78	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	8	11	12	12	16	17	18
		SUCTION PRESSURE (PSIG)	134	137	141	144	148	152	156
		SUCTION TEMPERATURE (°F)	54	57	61	64	68	71	75
		SUCTION SUPERHEAT (°F)	8	10	12	14	16	18	20
		OUTDOOR UNIT CURRENT (A)	7.1	8.2	9.3	10.4	12.4	14.3	16.3
		COMPRESSOR CURRENT (A)	6.2	7.3	8.4	9.5	11.5	13.5	15.4
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	21	20	19
80/67	1000	LIQUID PRESSURE (PSIG)	225	271	317	363	436	508	581
		LIQUID TEMPERATURE (°F)	68	78	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	9	11	12	12	16	18	19
		SUCTION PRESSURE (PSIG)	137	140	143	145	148	150	153
		SUCTION TEMPERATURE (°F)	55	58	60	63	67	71	74
		SUCTION SUPERHEAT (°F)	7	9	11	12	15	18	21
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	9.3	10.4	12.5	14.6	16.7
		COMPRESSOR CURRENT (A)	6.1	7.2	8.4	9.5	11.6	13.7	15.8
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	22	21	20
	1200	LIQUID PRESSURE (PSIG)	226	272	318	364	435	507	578
		LIQUID TEMPERATURE (°F)	69	79	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	8	10	12	12	16	18	19
		SUCTION PRESSURE (PSIG)	142	144	146	149	151	153	156
		SUCTION TEMPERATURE (°F)	57	59	62	64	68	71	75
		SUCTION SUPERHEAT (°F)	7	9	10	12	15	17	20
		OUTDOOR UNIT CURRENT (A)	7.1	8.2	9.3	10.4	12.4	14.5	16.5
		COMPRESSOR CURRENT (A)	6.1	7.3	8.4	9.5	11.5	13.6	15.7
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1400	LIQUID PRESSURE (PSIG)	227	273	318	364	435	505	576
		LIQUID TEMPERATURE (°F)	70	79	89	98	107	117	126
		LIQUID SUBCOOLING (°F)	7	10	12	12	16	18	19
		SUCTION PRESSURE (PSIG)	146	148	150	152	154	156	159
		SUCTION TEMPERATURE (°F)	58	60	63	65	68	72	75
		SUCTION SUPERHEAT (°F)	7	8	10	12	14	17	19
		OUTDOOR UNIT CURRENT (A)	7.1	8.2	9.3	10.4	12.4	14.4	16.4
		COMPRESSOR CURRENT (A)	6.2	7.3	8.4	9.5	11.5	13.5	15.5
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	20	19	18	17

Continued on next page.

YCJF36S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1000	LIQUID PRESSURE (PSIG)	228	274	319	365	434	503	573
		LIQUID TEMPERATURE (°F)	70	80	89	98	107	117	126
		LIQUID SUBCOOLING (°F)	7	10	11	12	15	17	18
		SUCTION PRESSURE (PSIG)	149	152	155	157	160	163	165
		SUCTION TEMPERATURE (°F)	59	61	64	66	69	73	76
		SUCTION SUPERHEAT (°F)	6	8	9	11	13	16	18
		OUTDOOR UNIT CURRENT (A)	7.2	8.3	9.3	10.4	12.3	14.2	16.1
		COMPRESSOR CURRENT (A)	6.3	7.4	8.4	9.5	11.4	13.3	15.2
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	16	15
	1200	LIQUID PRESSURE (PSIG)	229	274	320	366	434	502	570
		LIQUID TEMPERATURE (°F)	71	81	90	99	108	117	126
		LIQUID SUBCOOLING (°F)	6	9	11	11	15	17	18
		SUCTION PRESSURE (PSIG)	154	156	158	161	163	166	168
		SUCTION TEMPERATURE (°F)	61	63	65	67	70	74	77
		SUCTION SUPERHEAT (°F)	7	8	9	11	13	15	18
		OUTDOOR UNIT CURRENT (A)	7.2	8.3	9.4	10.4	12.3	14.2	16.0
		COMPRESSOR CURRENT (A)	6.3	7.4	8.4	9.5	11.4	13.3	15.2
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	16	15	14
	1400	LIQUID PRESSURE (PSIG)	229	275	321	367	434	500	568
		LIQUID TEMPERATURE (°F)	73	81	90	99	108	117	126
		LIQUID SUBCOOLING (°F)	6	9	10	11	14	16	17
		SUCTION PRESSURE (PSIG)	158	160	162	164	166	169	171
		SUCTION TEMPERATURE (°F)	63	65	66	68	71	75	78
		SUCTION SUPERHEAT (°F)	7	8	9	11	13	15	17
		OUTDOOR UNIT CURRENT (A)	7.3	8.3	9.4	10.4	12.3	14.1	16.0
		COMPRESSOR CURRENT (A)	6.3	7.4	8.5	9.5	11.4	13.2	15.1
		INDOOR COIL DB TEMP DROP (°F)	16	16	15	15	14	14	13

FOR USE WITH MODELS:**YCJF42S41S1****TCJF42S41S3****TCGF42S41S(1,3)****RAC14J424S21**

YCJF42S41S1 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			
65	213(5)	214(5)	215(4)	216(4)
70	234(7)	235(7)	236(5)	237(5)
75	257(8)	258(8)	258(6)	258(6)
80	280(9)	281(9)	281(8)	281(7)
85	306(11)	306(10)	305(9)	305(8)
90	332(12)	333(12)	331(10)	331(8)
95	360(13)	360(12)	358(11)	357(9)
100	389(14)	389(13)	386(11)	385(10)
105	420(14)	420(14)	416(12)	413(11)
110	452(15)	452(15)	447(13)	443(12)
115	486(16)	485(15)	479(14)	475(12)
120	521(16)	519(16)	513(14)	507(13)
125	558(16)	555(16)	548(15)	541(14)

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

Charging chart is for use in Cooling mode only.

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

YCJF42S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJF42S41S1	35	107	38.5	2.61	36.6	2.85	34.5	3.14	32.3	3.46	30.1	3.84	27.7	4.27	25.3	4.75
	40	118	42.4	2.61	40.3	2.85	38.1	3.13	35.7	3.45	33.3	3.83	30.7	4.26	28.1	4.73
	45	130	46.7	2.60	44.4	2.84	41.9	3.12	39.4	3.44	36.7	3.82	34.0	4.25	31.2	4.72
	50	142	51.2	2.60	48.7	2.84	46.0	3.12	43.3	3.44	40.4	3.82	37.5	4.25	34.4	4.71
	55	156	56.0	2.61	53.2	2.84	50.4	3.12	47.4	3.44	44.3	3.82	41.2	4.25	37.9	4.70

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJF42S41S1 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	212	260	307	354	424	494	564
		LIQUID TEMPERATURE (°F)	68	77	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	5	9	11	12	15	17	17
		SUCTION PRESSURE (PSIG)	125	126	128	130	132	135	138
		SUCTION TEMPERATURE (°F)	50	53	56	58	61	63	66
		SUCTION SUPERHEAT (°F)	8	10	12	13	15	16	18
		OUTDOOR UNIT CURRENT (A)	9.4	10.7	11.9	13.1	15.3	17.5	19.7
		COMPRESSOR CURRENT (A)	8.3	9.5	10.7	11.9	14.1	16.3	18.6
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20
	1400	LIQUID PRESSURE (PSIG)	213	260	307	354	423	492	561
		LIQUID TEMPERATURE (°F)	69	78	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	5	8	11	12	15	16	17
		SUCTION PRESSURE (PSIG)	128	129	131	133	135	138	141
		SUCTION TEMPERATURE (°F)	52	54	57	59	61	64	66
		SUCTION SUPERHEAT (°F)	8	10	11	13	14	16	17
		OUTDOOR UNIT CURRENT (A)	9.4	10.6	11.9	13.1	15.3	17.4	19.6
		COMPRESSOR CURRENT (A)	8.2	9.5	10.7	11.9	14.1	16.3	18.4
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19
	1600	LIQUID PRESSURE (PSIG)	213	260	307	354	422	490	558
		LIQUID TEMPERATURE (°F)	70	78	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	4	8	10	11	15	16	17
		SUCTION PRESSURE (PSIG)	131	132	134	136	138	141	143
		SUCTION TEMPERATURE (°F)	54	56	58	59	62	65	67
		SUCTION SUPERHEAT (°F)	9	10	11	12	14	15	17
		OUTDOOR UNIT CURRENT (A)	9.4	10.6	11.9	13.1	15.2	17.3	19.4
		COMPRESSOR CURRENT (A)	8.2	9.5	10.7	12.0	14.1	16.2	18.3
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	19	18
80/57	1200	LIQUID PRESSURE (PSIG)	212	260	307	355	425	495	565
		LIQUID TEMPERATURE (°F)	67	76	86	96	106	116	126
		LIQUID SUBCOOLING (°F)	6	10	12	12	15	17	18
		SUCTION PRESSURE (PSIG)	119	121	123	126	130	135	139
		SUCTION TEMPERATURE (°F)	50	53	56	60	62	65	67
		SUCTION SUPERHEAT (°F)	10	12	14	17	17	18	19
		OUTDOOR UNIT CURRENT (A)	9.4	10.6	11.9	13.2	15.4	17.6	19.8
		COMPRESSOR CURRENT (A)	8.2	9.5	10.7	12.0	14.2	16.4	18.6
		INDOOR COIL DB TEMP DROP (°F)	32	30	29	28	27	25	24
	1400	LIQUID PRESSURE (PSIG)	212	259	307	354	422	489	556
		LIQUID TEMPERATURE (°F)	68	77	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	5	9	11	12	15	16	16
		SUCTION PRESSURE (PSIG)	124	127	129	132	136	141	145
		SUCTION TEMPERATURE (°F)	52	55	58	61	63	65	68
		SUCTION SUPERHEAT (°F)	10	12	13	15	16	16	17
		OUTDOOR UNIT CURRENT (A)	9.4	10.6	11.9	13.1	15.2	17.3	19.4
		COMPRESSOR CURRENT (A)	8.2	9.4	10.7	12.0	14.0	16.1	18.2
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	24	23	22
	1600	LIQUID PRESSURE (PSIG)	212	259	307	354	418	483	548
		LIQUID TEMPERATURE (°F)	69	78	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	4	8	10	11	14	15	15
		SUCTION PRESSURE (PSIG)	130	132	135	138	142	146	151
		SUCTION TEMPERATURE (°F)	55	57	59	61	64	66	69
		SUCTION SUPERHEAT (°F)	10	11	12	13	14	15	16
		OUTDOOR UNIT CURRENT (A)	9.3	10.6	11.8	13.1	15.0	17.0	18.9
		COMPRESSOR CURRENT (A)	8.1	9.4	10.7	11.9	13.9	15.8	17.8
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20

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YCJF42S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1200	LIQUID PRESSURE (PSIG)	213	260	308	356	424	493	561
		LIQUID TEMPERATURE (°F)	67	77	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	6	9	11	12	15	16	17
		SUCTION PRESSURE (PSIG)	125	127	128	130	133	137	140
		SUCTION TEMPERATURE (°F)	52	55	57	60	62	65	67
		SUCTION SUPERHEAT (°F)	10	11	13	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	9.4	10.6	11.9	13.1	15.3	17.4	19.5
		COMPRESSOR CURRENT (A)	8.2	9.4	10.7	12.0	14.1	16.2	18.4
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	27	26	25	24
	1400	LIQUID PRESSURE (PSIG)	213	260	308	355	421	488	554
		LIQUID TEMPERATURE (°F)	68	78	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	5	9	11	11	14	15	16
		SUCTION PRESSURE (PSIG)	128	130	132	134	137	141	145
		SUCTION TEMPERATURE (°F)	54	56	58	61	63	66	68
		SUCTION SUPERHEAT (°F)	10	11	13	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	9.4	10.6	11.9	13.1	15.2	17.2	19.2
		COMPRESSOR CURRENT (A)	8.2	9.4	10.7	12.0	14.0	16.0	18.1
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	24	23	22
	1600	LIQUID PRESSURE (PSIG)	213	260	307	354	419	483	547
		LIQUID TEMPERATURE (°F)	69	78	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	4	8	10	11	14	15	15
		SUCTION PRESSURE (PSIG)	131	133	135	138	142	146	150
		SUCTION TEMPERATURE (°F)	56	58	60	62	64	66	69
		SUCTION SUPERHEAT (°F)	10	11	12	14	14	15	16
		OUTDOOR UNIT CURRENT (A)	9.4	10.6	11.9	13.1	15.1	17.0	19.0
		COMPRESSOR CURRENT (A)	8.2	9.4	10.7	11.9	13.9	15.9	17.8
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	21	20
80/67	1200	LIQUID PRESSURE (PSIG)	214	260	307	353	418	483	549
		LIQUID TEMPERATURE (°F)	70	79	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	4	7	9	10	13	14	15
		SUCTION PRESSURE (PSIG)	135	138	140	143	145	148	150
		SUCTION TEMPERATURE (°F)	57	58	60	61	64	67	69
		SUCTION SUPERHEAT (°F)	10	11	11	11	13	15	16
		OUTDOOR UNIT CURRENT (A)	9.4	10.7	11.9	13.1	15.1	17.0	19.0
		COMPRESSOR CURRENT (A)	8.2	9.5	10.7	11.9	13.9	15.9	17.8
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20
	1400	LIQUID PRESSURE (PSIG)	214	260	307	353	417	482	546
		LIQUID TEMPERATURE (°F)	71	80	89	97	107	117	126
		LIQUID SUBCOOLING (°F)	2	6	9	10	13	14	14
		SUCTION PRESSURE (PSIG)	139	141	144	146	148	150	153
		SUCTION TEMPERATURE (°F)	60	60	61	62	65	67	70
		SUCTION SUPERHEAT (°F)	11	11	11	11	13	14	16
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	11.9	13.1	15.0	16.9	18.9
		COMPRESSOR CURRENT (A)	8.3	9.5	10.7	11.9	13.8	15.8	17.7
		INDOOR COIL DB TEMP DROP (°F)	22	22	22	21	20	20	19
	1600	LIQUID PRESSURE (PSIG)	214	260	307	353	417	480	544
		LIQUID TEMPERATURE (°F)	72	81	89	98	107	117	126
		LIQUID SUBCOOLING (°F)	1	5	8	10	12	14	14
		SUCTION PRESSURE (PSIG)	144	145	147	149	151	153	156
		SUCTION TEMPERATURE (°F)	62	62	63	63	65	67	70
		SUCTION SUPERHEAT (°F)	12	12	11	11	12	14	15
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	11.9	13.0	14.9	16.9	18.8
		COMPRESSOR CURRENT (A)	8.3	9.5	10.7	11.9	13.8	15.7	17.6
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	20	19	19	18

Continued on next page.

YCJF42S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1200	LIQUID PRESSURE (PSIG)	215	260	306	352	415	477	540
		LIQUID TEMPERATURE (°F)	72	81	89	98	107	117	126
		LIQUID SUBCOOLING (°F)	2	6	8	9	12	13	13
		SUCTION PRESSURE (PSIG)	147	150	152	155	158	160	163
		SUCTION TEMPERATURE (°F)	66	65	65	65	67	70	72
		SUCTION SUPERHEAT (°F)	14	13	11	10	12	13	15
		OUTDOOR UNIT CURRENT (A)	9.4	10.6	11.8	13.0	14.9	16.8	18.7
		COMPRESSOR CURRENT (A)	8.2	9.5	10.7	11.9	13.8	15.7	17.6
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	16	16
	1400	LIQUID PRESSURE (PSIG)	215	261	307	352	415	477	540
		LIQUID TEMPERATURE (°F)	72	81	90	99	108	117	126
		LIQUID SUBCOOLING (°F)	2	6	8	9	11	13	13
		SUCTION PRESSURE (PSIG)	149	152	155	158	160	163	166
		SUCTION TEMPERATURE (°F)	68	67	67	66	68	71	73
		SUCTION SUPERHEAT (°F)	15	14	12	10	12	13	15
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	11.8	13.0	14.9	16.8	18.6
		COMPRESSOR CURRENT (A)	8.3	9.5	10.7	11.9	13.7	15.6	17.5
		INDOOR COIL DB TEMP DROP (°F)	17	17	17	16	16	15	15
	1600	LIQUID PRESSURE (PSIG)	216	261	307	352	414	477	539
		LIQUID TEMPERATURE (°F)	72	81	90	99	108	117	127
		LIQUID SUBCOOLING (°F)	3	6	7	8	11	12	13
		SUCTION PRESSURE (PSIG)	152	155	158	161	163	166	168
		SUCTION TEMPERATURE (°F)	70	69	68	67	70	72	74
		SUCTION SUPERHEAT (°F)	16	14	13	11	12	14	15
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	11.9	13.0	14.9	16.7	18.6
		COMPRESSOR CURRENT (A)	8.3	9.5	10.7	11.9	13.7	15.6	17.4
		INDOOR COIL DB TEMP DROP (°F)	16	16	15	15	15	14	14

FOR USE WITH MODELS:

YCJF48S41S2
TCJF48S41S4
TCGF48S41S4
RAC14J484S21

YCJF48S41S2 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			
65	221(6)	222(6)	222(4)	225(2)
70	241(7)	243(7)	244(6)	246(3)
75	263(8)	264(8)	266(7)	268(5)
80	287(9)	288(9)	289(8)	292(6)
85	311(10)	313(10)	314(10)	316(8)
90	337(11)	339(11)	340(11)	341(9)
95	365(12)	367(12)	367(12)	368(10)
100	393(13)	396(13)	396(13)	395(11)
105	424(14)	427(14)	425(13)	424(12)
110	455(14)	459(15)	456(14)	454(12)
115	488(15)	493(16)	488(15)	484(13)
120	522(15)	528(16)	521(15)	516(14)
125	558(16)	565(17)	555(15)	549(14)

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

Charging chart is for use in Cooling mode only.

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

YCJF48S41S2 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJF48S41S2	35	107	44.6	2.87	42.4	3.15	40.0	3.47	37.4	3.85	34.7	4.28	31.9	4.75	29.1	5.28
	40	118	49.1	2.87	46.7	3.15	44.0	3.47	41.3	3.84	38.4	4.27	35.5	4.76	32.5	5.28
	45	130	54.0	2.88	51.3	3.15	48.4	3.47	45.5	3.84	42.4	4.27	39.3	4.75	36.1	5.27
	50	142	59.2	2.89	56.2	3.16	53.1	3.47	50.0	3.83	46.7	4.26	43.3	4.74	39.9	5.25
	55	156	64.8	2.91	61.6	3.18	58.2	3.49	54.8	3.84	51.3	4.26	47.7	4.74	44.1	5.24

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJF48S41S2 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1400	LIQUID PRESSURE (PSIG)	221	268	314	361	431	501	571
		LIQUID TEMPERATURE (°F)	68	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	8	10	12	12	15	17	18
		SUCTION PRESSURE (PSIG)	123	126	128	130	134	137	141
		SUCTION TEMPERATURE (°F)	55	57	58	59	61	63	65
		SUCTION SUPERHEAT (°F)	13	14	14	14	15	15	16
		OUTDOOR UNIT CURRENT (A)	10.2	11.6	13.1	14.6	17.1	19.7	22.3
		COMPRESSOR CURRENT (A)	9.1	10.5	12.0	13.5	16.1	18.6	21.2
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19
	1600	LIQUID PRESSURE (PSIG)	221	268	315	362	430	499	567
		LIQUID TEMPERATURE (°F)	69	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	7	10	11	12	15	17	17
		SUCTION PRESSURE (PSIG)	127	129	131	133	136	139	143
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	64	65
		SUCTION SUPERHEAT (°F)	13	13	14	14	15	15	15
		OUTDOOR UNIT CURRENT (A)	10.2	11.7	13.1	14.6	17.1	19.6	22.1
		COMPRESSOR CURRENT (A)	9.1	10.6	12.0	13.5	16.0	18.5	21.0
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	20	20	19	18
	1800	LIQUID PRESSURE (PSIG)	221	268	315	363	430	497	564
		LIQUID TEMPERATURE (°F)	70	79	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	6	9	11	12	15	17	17
		SUCTION PRESSURE (PSIG)	130	132	133	135	138	142	145
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	64	66
		SUCTION SUPERHEAT (°F)	13	13	14	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	10.2	11.7	13.1	14.6	17.0	19.4	21.9
		COMPRESSOR CURRENT (A)	9.1	10.6	12.1	13.5	16.0	18.4	20.8
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	19	18	18
80/57	1400	LIQUID PRESSURE (PSIG)	220	266	312	358	426	493	561
		LIQUID TEMPERATURE (°F)	69	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	7	9	11	11	14	16	16
		SUCTION PRESSURE (PSIG)	117	121	125	129	133	138	143
		SUCTION TEMPERATURE (°F)	55	57	58	60	63	65	68
		SUCTION SUPERHEAT (°F)	16	15	16	16	16	17	18
		OUTDOOR UNIT CURRENT (A)	10.0	11.4	12.9	14.4	16.8	19.3	21.7
		COMPRESSOR CURRENT (A)	8.9	10.4	11.8	13.3	15.8	18.2	20.7
		INDOOR COIL DB TEMP DROP (°F)	31	30	29	28	26	25	24
	1600	LIQUID PRESSURE (PSIG)	219	266	313	359	425	491	556
		LIQUID TEMPERATURE (°F)	70	79	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	5	9	10	11	14	15	16
		SUCTION PRESSURE (PSIG)	123	126	129	133	137	142	147
		SUCTION TEMPERATURE (°F)	57	59	60	61	64	66	69
		SUCTION SUPERHEAT (°F)	15	15	15	16	16	17	17
		OUTDOOR UNIT CURRENT (A)	10.0	11.5	12.9	14.4	16.7	19.1	21.4
		COMPRESSOR CURRENT (A)	8.9	10.4	11.8	13.3	15.7	18.0	20.4
		INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	24	23	22
	1800	LIQUID PRESSURE (PSIG)	219	266	313	360	424	488	552
		LIQUID TEMPERATURE (°F)	71	80	89	98	107	117	127
		LIQUID SUBCOOLING (°F)	4	8	10	11	14	15	15
		SUCTION PRESSURE (PSIG)	128	131	134	137	142	147	152
		SUCTION TEMPERATURE (°F)	59	61	62	63	65	67	69
		SUCTION SUPERHEAT (°F)	15	15	15	15	16	16	16
		OUTDOOR UNIT CURRENT (A)	10.0	11.5	12.9	14.4	16.6	18.9	21.1
		COMPRESSOR CURRENT (A)	8.9	10.4	11.9	13.3	15.6	17.8	20.1
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20

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YCJF48S41S2 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1400	LIQUID PRESSURE (PSIG)	221	267	314	361	430	500	570
		LIQUID TEMPERATURE (°F)	69	78	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	7	10	11	11	15	17	18
		SUCTION PRESSURE (PSIG)	125	127	130	132	135	138	142
		SUCTION TEMPERATURE (°F)	57	58	59	61	63	65	67
		SUCTION SUPERHEAT (°F)	14	15	15	15	16	16	17
		OUTDOOR UNIT CURRENT (A)	10.1	11.5	13.0	14.4	17.0	19.7	22.3
		COMPRESSOR CURRENT (A)	8.9	10.4	11.9	13.3	16.0	18.6	21.3
		INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	25	24	23
	1600	LIQUID PRESSURE (PSIG)	221	267	314	361	429	496	564
		LIQUID TEMPERATURE (°F)	70	79	89	98	107	117	126
		LIQUID SUBCOOLING (°F)	6	9	11	11	14	16	17
		SUCTION PRESSURE (PSIG)	128	130	132	135	138	141	145
		SUCTION TEMPERATURE (°F)	58	59	61	62	64	66	67
		SUCTION SUPERHEAT (°F)	14	14	15	15	16	16	17
		OUTDOOR UNIT CURRENT (A)	10.1	11.5	13.0	14.4	16.9	19.5	22.0
		COMPRESSOR CURRENT (A)	9.0	10.4	11.9	13.3	15.9	18.4	21.0
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	24	23	22
	1800	LIQUID PRESSURE (PSIG)	221	268	315	362	427	492	558
		LIQUID TEMPERATURE (°F)	71	80	89	98	107	117	127
		LIQUID SUBCOOLING (°F)	4	8	10	11	14	16	16
		SUCTION PRESSURE (PSIG)	131	133	135	137	141	144	148
		SUCTION TEMPERATURE (°F)	59	60	62	63	65	67	68
		SUCTION SUPERHEAT (°F)	14	14	15	15	16	16	17
		OUTDOOR UNIT CURRENT (A)	10.1	11.6	13.0	14.4	16.8	19.3	21.7
		COMPRESSOR CURRENT (A)	9.0	10.5	11.9	13.4	15.8	18.2	20.6
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	21
80/67	1400	LIQUID PRESSURE (PSIG)	221	268	316	363	428	492	557
		LIQUID TEMPERATURE (°F)	71	80	89	98	108	117	127
		LIQUID SUBCOOLING (°F)	5	8	10	11	14	15	16
		SUCTION PRESSURE (PSIG)	135	137	139	142	145	148	152
		SUCTION TEMPERATURE (°F)	60	61	62	64	65	66	68
		SUCTION SUPERHEAT (°F)	13	13	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	10.3	11.7	13.1	14.5	16.8	19.1	21.4
		COMPRESSOR CURRENT (A)	9.2	10.6	12.0	13.4	15.7	18.0	20.4
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	20
	1600	LIQUID PRESSURE (PSIG)	221	268	315	363	426	490	554
		LIQUID TEMPERATURE (°F)	72	81	90	98	108	117	127
		LIQUID SUBCOOLING (°F)	4	7	10	11	14	15	15
		SUCTION PRESSURE (PSIG)	138	140	142	145	148	151	154
		SUCTION TEMPERATURE (°F)	61	62	64	65	66	67	69
		SUCTION SUPERHEAT (°F)	13	13	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	10.2	11.6	13.0	14.5	16.7	19.0	21.3
		COMPRESSOR CURRENT (A)	9.1	10.5	12.0	13.4	15.7	18.0	20.3
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	19	19
	1800	LIQUID PRESSURE (PSIG)	221	268	315	362	425	488	552
		LIQUID TEMPERATURE (°F)	73	82	90	99	108	117	127
		LIQUID SUBCOOLING (°F)	3	7	9	10	13	14	15
		SUCTION PRESSURE (PSIG)	141	143	146	148	150	153	156
		SUCTION TEMPERATURE (°F)	63	64	65	66	67	68	69
		SUCTION SUPERHEAT (°F)	13	13	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	10.2	11.6	13.0	14.4	16.7	19.0	21.2
		COMPRESSOR CURRENT (A)	9.1	10.5	11.9	13.4	15.6	17.9	20.2
		INDOOR COIL DB TEMP DROP (°F)	20	20	20	19	19	18	18

Continued on next page.

YCJF48S41S2 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1400	LIQUID PRESSURE (PSIG)	223	270	317	364	425	486	548
		LIQUID TEMPERATURE (°F)	75	83	92	100	109	118	127
		LIQUID SUBCOOLING (°F)	2	6	8	10	12	13	14
		SUCTION PRESSURE (PSIG)	146	149	152	155	158	162	165
		SUCTION TEMPERATURE (°F)	65	66	68	69	70	71	72
		SUCTION SUPERHEAT (°F)	14	14	14	15	14	14	14
		OUTDOOR UNIT CURRENT (A)	10.2	11.7	13.1	14.5	16.7	18.9	21.0
		COMPRESSOR CURRENT (A)	9.2	10.6	12.0	13.5	15.6	17.8	20.0
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	16	16	15
	1600	LIQUID PRESSURE (PSIG)	224	270	317	364	425	486	548
		LIQUID TEMPERATURE (°F)	75	83	92	100	109	118	127
		LIQUID SUBCOOLING (°F)	2	5	8	9	12	13	14
		SUCTION PRESSURE (PSIG)	149	152	155	158	161	164	167
		SUCTION TEMPERATURE (°F)	67	68	69	70	71	72	72
		SUCTION SUPERHEAT (°F)	15	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	10.3	11.7	13.1	14.5	16.7	18.9	21.1
		COMPRESSOR CURRENT (A)	9.2	10.6	12.0	13.5	15.6	17.8	20.0
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	15	14
	1800	LIQUID PRESSURE (PSIG)	224	271	317	364	425	486	548
		LIQUID TEMPERATURE (°F)	75	84	92	101	110	118	127
		LIQUID SUBCOOLING (°F)	1	5	7	9	11	13	14
		SUCTION PRESSURE (PSIG)	152	155	158	160	163	166	168
		SUCTION TEMPERATURE (°F)	69	69	70	71	71	72	73
		SUCTION SUPERHEAT (°F)	15	15	15	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	10.3	11.7	13.1	14.5	16.7	18.9	21.1
		COMPRESSOR CURRENT (A)	9.2	10.6	12.0	13.5	15.7	17.9	20.1
		INDOOR COIL DB TEMP DROP (°F)	16	15	15	15	14	14	13

FOR USE WITH MODELS:

YCJF60S41S2
TCJF60S41S4
TCGF60S41S4
RAC14J604S21

YCJF60S41S2 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			
65	229(9)	232(10)	235(9)	237(9)
70	251(10)	253(11)	256(10)	258(10)
75	274(11)	276(12)	279(11)	281(11)
80	298(12)	300(13)	303(12)	305(12)
85	323(13)	325(14)	327(13)	329(12)
90	349(14)	351(14)	354(14)	355(13)
95	377(15)	379(15)	381(15)	382(14)
100	405(15)	407(16)	409(15)	410(14)
105	435(16)	437(16)	439(16)	439(15)
110	466(16)	468(17)	469(16)	470(15)
115	499(17)	501(17)	501(17)	501(16)
120	532(17)	534(18)	534(17)	533(16)
125	567(18)	569(18)	568(17)	566(17)

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

Charging chart is for use in Cooling mode only.

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

YCJF60S41S2 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJF60S41S2	35	107	56.4	3.56	53.5	3.89	50.6	4.26	47.5	4.70	44.3	5.22	41.0	5.79	37.5	6.46
	40	118	62.0	3.58	58.9	3.90	55.6	4.29	52.4	4.71	49.0	5.22	45.3	5.80	41.6	6.46
	45	130	67.8	3.61	64.5	3.93	61.1	4.31	57.5	4.74	53.9	5.23	50.0	5.82	46.0	6.46
	50	142	74.1	3.64	70.4	3.97	66.8	4.34	63.0	4.76	59.1	5.27	55.0	5.29	50.6	6.47
	55	156	80.9	3.68	76.8	4.00	72.7	4.38	68.7	4.79	64.3	5.32	60.0	5.91	55.6	6.49

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJF60S41S2 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1600	LIQUID PRESSURE (PSIG)	230	278	326	374	440	506	572
		LIQUID TEMPERATURE (°F)	68	78	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	13	14	14	17	18	18
		SUCTION PRESSURE (PSIG)	119	122	125	128	131	135	138
		SUCTION TEMPERATURE (°F)	53	54	56	57	59	60	62
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	12.5	14.4	16.3	18.2	21.2	24.2	27.2
		COMPRESSOR CURRENT (A)	11.4	13.3	15.3	17.2	20.2	23.2	26.2
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	22	21
	1800	LIQUID PRESSURE (PSIG)	230	278	326	375	440	506	572
		LIQUID TEMPERATURE (°F)	69	78	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	13	14	14	17	18	18
		SUCTION PRESSURE (PSIG)	122	125	128	130	133	137	140
		SUCTION TEMPERATURE (°F)	54	55	57	58	59	61	63
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	12.5	14.4	16.3	18.2	21.2	24.2	27.2
		COMPRESSOR CURRENT (A)	11.4	13.3	15.2	17.1	20.1	23.1	26.1
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	21	20
	2000	LIQUID PRESSURE (PSIG)	231	279	327	375	440	506	571
		LIQUID TEMPERATURE (°F)	69	79	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	9	12	14	14	17	18	18
		SUCTION PRESSURE (PSIG)	125	127	130	132	135	139	142
		SUCTION TEMPERATURE (°F)	55	56	58	59	60	62	63
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	12.6	14.4	16.3	18.2	21.2	24.1	27.1
		COMPRESSOR CURRENT (A)	11.5	13.4	15.2	17.1	20.1	23.1	26.1
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	19
80/57	1600	LIQUID PRESSURE (PSIG)	227	275	323	371	437	502	567
		LIQUID TEMPERATURE (°F)	68	78	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	12	14	14	16	18	18
		SUCTION PRESSURE (PSIG)	114	118	121	124	129	134	138
		SUCTION TEMPERATURE (°F)	53	54	56	57	59	62	64
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	16
		OUTDOOR UNIT CURRENT (A)	12.4	14.2	16.1	18.0	20.9	23.9	26.9
		COMPRESSOR CURRENT (A)	11.3	13.1	15.0	16.9	19.9	22.8	25.8
		INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	28	27	25
	1800	LIQUID PRESSURE (PSIG)	228	276	324	372	436	501	566
		LIQUID TEMPERATURE (°F)	69	78	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	9	12	13	14	16	17	17
		SUCTION PRESSURE (PSIG)	119	122	125	128	133	138	142
		SUCTION TEMPERATURE (°F)	55	56	57	59	61	63	65
		SUCTION SUPERHEAT (°F)	15	14	14	14	15	15	15
		OUTDOOR UNIT CURRENT (A)	12.4	14.3	16.1	18.0	20.9	23.8	26.8
		COMPRESSOR CURRENT (A)	11.3	13.2	15.1	16.9	19.8	22.8	25.7
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	24
	2000	LIQUID PRESSURE (PSIG)	229	277	325	372	436	500	564
		LIQUID TEMPERATURE (°F)	70	79	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	8	11	13	14	16	17	17
		SUCTION PRESSURE (PSIG)	123	126	129	133	137	141	146
		SUCTION TEMPERATURE (°F)	56	58	59	60	62	64	66
		SUCTION SUPERHEAT (°F)	15	15	14	14	15	15	15
		OUTDOOR UNIT CURRENT (A)	12.5	14.3	16.2	18.0	20.9	23.8	26.7
		COMPRESSOR CURRENT (A)	11.4	13.3	15.1	16.9	19.8	22.7	25.6
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	23	22

Continued on next page.

YCJF60S41S2 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1600	LIQUID PRESSURE (PSIG)	230	278	326	374	439	504	570
		LIQUID TEMPERATURE (°F)	69	78	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	10	12	14	14	17	18	18
		SUCTION PRESSURE (PSIG)	122	124	126	128	132	135	138
		SUCTION TEMPERATURE (°F)	55	56	57	58	60	62	64
		SUCTION SUPERHEAT (°F)	13	14	14	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	12.5	14.4	16.3	18.1	21.1	24.1	27.1
		COMPRESSOR CURRENT (A)	11.4	13.3	15.2	17.1	20.1	23.1	26.1
		INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	26	25
	1800	LIQUID PRESSURE (PSIG)	230	278	326	374	439	503	568
		LIQUID TEMPERATURE (°F)	69	79	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	9	12	14	14	16	18	18
		SUCTION PRESSURE (PSIG)	124	126	129	131	135	138	142
		SUCTION TEMPERATURE (°F)	56	57	58	59	61	63	65
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	12.6	14.4	16.3	18.1	21.1	24.0	27.0
		COMPRESSOR CURRENT (A)	11.5	13.3	15.2	17.1	20.0	23.0	26.0
		INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	25	24	24
	2000	LIQUID PRESSURE (PSIG)	231	279	326	374	438	502	566
		LIQUID TEMPERATURE (°F)	69	79	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	9	12	14	14	16	17	17
		SUCTION PRESSURE (PSIG)	126	129	131	133	137	141	145
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	64	66
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	12.6	14.4	16.3	18.1	21.0	24.0	26.9
		COMPRESSOR CURRENT (A)	11.5	13.4	15.2	17.0	20.0	22.9	25.8
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	24	23	22
80/67	1600	LIQUID PRESSURE (PSIG)	232	280	328	376	440	504	568
		LIQUID TEMPERATURE (°F)	70	79	89	98	108	117	126
		LIQUID SUBCOOLING (°F)	9	12	13	14	16	17	18
		SUCTION PRESSURE (PSIG)	131	134	136	139	142	145	148
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	64	66
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	12.7	14.5	16.3	18.2	21.1	24.0	26.9
		COMPRESSOR CURRENT (A)	11.6	13.4	15.3	17.1	20.0	22.9	25.8
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	22	21	21
	1800	LIQUID PRESSURE (PSIG)	234	281	329	376	440	503	567
		LIQUID TEMPERATURE (°F)	70	80	89	98	108	117	126
		LIQUID SUBCOOLING (°F)	9	12	13	14	16	17	17
		SUCTION PRESSURE (PSIG)	134	136	139	141	144	147	150
		SUCTION TEMPERATURE (°F)	60	60	61	62	64	65	66
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	12.7	14.5	16.4	18.2	21.1	24.0	26.8
		COMPRESSOR CURRENT (A)	11.6	13.5	15.3	17.1	20.0	22.9	25.8
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	21	20	20
	2000	LIQUID PRESSURE (PSIG)	235	282	329	377	440	503	566
		LIQUID TEMPERATURE (°F)	71	80	89	99	108	117	127
		LIQUID SUBCOOLING (°F)	9	12	13	14	16	17	17
		SUCTION PRESSURE (PSIG)	136	138	141	144	146	149	152
		SUCTION TEMPERATURE (°F)	61	62	62	63	64	66	67
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	12.8	14.6	16.4	18.2	21.1	23.9	26.8
		COMPRESSOR CURRENT (A)	11.7	13.5	15.3	17.1	20.0	22.9	25.8
		INDOOR COIL DB TEMP DROP (°F)	21	21	21	20	20	19	19

Continued on next page.

YCJF60S41S2 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1600	LIQUID PRESSURE (PSIG)	234	282	330	378	441	503	565
		LIQUID TEMPERATURE (°F)	71	81	90	99	108	118	127
		LIQUID SUBCOOLING (°F)	8	11	13	13	15	16	16
		SUCTION PRESSURE (PSIG)	141	144	148	151	154	157	160
		SUCTION TEMPERATURE (°F)	63	64	65	65	67	68	70
		SUCTION SUPERHEAT (°F)	13	13	13	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	12.7	14.6	16.4	18.2	21.0	23.8	26.6
		COMPRESSOR CURRENT (A)	11.6	13.5	15.3	17.2	20.0	22.8	25.6
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	18	17	17	16
	1800	LIQUID PRESSURE (PSIG)	235	283	331	378	441	503	565
		LIQUID TEMPERATURE (°F)	71	81	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	8	11	13	13	15	16	16
		SUCTION PRESSURE (PSIG)	144	147	150	153	156	159	162
		SUCTION TEMPERATURE (°F)	65	65	66	66	68	69	71
		SUCTION SUPERHEAT (°F)	14	14	13	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	12.8	14.6	16.4	18.2	21.0	23.8	26.6
		COMPRESSOR CURRENT (A)	11.7	13.5	15.3	17.2	20.0	22.8	25.6
		INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	16	16	15
	2000	LIQUID PRESSURE (PSIG)	237	284	331	378	440	503	565
		LIQUID TEMPERATURE (°F)	71	81	90	100	109	118	127
		LIQUID SUBCOOLING (°F)	9	11	12	13	15	16	16
		SUCTION PRESSURE (PSIG)	146	149	153	156	158	161	164
		SUCTION TEMPERATURE (°F)	66	67	67	67	69	70	71
		SUCTION SUPERHEAT (°F)	15	14	13	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	12.9	14.7	16.4	18.2	21.0	23.9	26.7
		COMPRESSOR CURRENT (A)	11.8	13.6	15.4	17.1	20.0	22.8	25.7
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	15	14

FOR USE WITH MODELS WITH ORIFICE:**YCJD18S41S1****TCJD18S41S3****TCGD18S41S(1,3)****GCGD18S41S(1,3)****RAC13J184S21**

YCJD18S41S1 SUPERHEAT CHARGING CHART																
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE															
	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162
	TEMPERATURE (°F) AT SUCTION BASE VALVE															
65	58	62	65	68	71	..	..	..	..	..	..	..	..	..	..	..
70	55	58	61	65	68	71	..	..	..	..	..	..	..	..	..	..
75	..	54	58	61	64	67	70	..	..	..	..	..	..	..	..	..
80	..	..	53	57	60	63	67	70	..	..	..	..	..	..	..	..
85	..	..	..	53	56	60	63	66	70	..	..	..	..	..	..	..
90	..	..	..	..	53	56	59	62	65	68	..	..	..	..	..	..
95	..	..	..	..	..	53	56	59	62	65	68	..	..	..	..	..
100	..	..	..	..	..	..	53	56	59	62	65	68	..	..	..	..
105	..	..	..	..	..	..	..	53	56	59	61	64	67	..	..	..
110	..	..	..	..	..	..	..	..	54	56	59	62	64	67	..	..
115	..	..	..	..	..	..	..	..	..	55	57	60	62	65	67	..
120	..	..	..	..	..	..	..	..	..	..	56	58	60	62	64	66
125	..	..	..	..	..	..	..	..	..	..	..	56	58	60	62	64

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

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

YCJD18S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD18S41S1	35	107	17.8	1.13	16.7	1.27	15.5	1.41	14.3	1.55	13.1	1.68	12.0	1.80	11.0	1.90
	40	118	19.6	1.13	18.4	1.27	17.1	1.42	15.8	1.55	14.6	1.69	13.4	1.82	12.3	1.92
	45	130	21.5	1.13	20.1	1.28	18.8	1.42	17.5	1.56	16.1	1.70	14.9	1.83	13.7	1.94
	50	142	23.4	1.14	22.0	1.28	20.6	1.43	19.2	1.57	17.8	1.71	16.5	1.84	15.2	1.96
	55	156	25.4	1.14	23.9	1.29	22.5	1.44	21.0	1.58	19.5	1.73	18.2	1.86	16.8	1.97

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJD18S41S1 (ORIFICE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	450	LIQUID PRESSURE (PSIG)	230	273	316	358	411	464	517
		LIQUID TEMPERATURE (°F)	73	85	96	107	118	128	138
		LIQUID SUBCOOLING (°F)	5	5	3	1	1	0	-2
		SUCTION PRESSURE (PSIG)	118	122	126	130	134	138	142
		SUCTION TEMPERATURE (°F)	54	52	49	46	48	50	52
		SUCTION SUPERHEAT (°F)	15	10	6	1	1	1	2
		OUTDOOR UNIT CURRENT (A)	4.2	4.7	5.2	5.7	6.4	7.0	7.7
		COMPRESSOR CURRENT (A)	3.7	4.3	4.8	5.3	6.0	6.6	7.3
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	21	19
	600	LIQUID PRESSURE (PSIG)	232	275	318	361	414	467	520
		LIQUID TEMPERATURE (°F)	73	84	96	107	117	128	138
		LIQUID SUBCOOLING (°F)	6	6	4	2	2	1	-1
		SUCTION PRESSURE (PSIG)	121	126	130	135	139	143	148
		SUCTION TEMPERATURE (°F)	60	57	54	50	51	52	54
		SUCTION SUPERHEAT (°F)	19	14	9	4	3	2	2
		OUTDOOR UNIT CURRENT (A)	4.1	4.7	5.2	5.7	6.4	7.1	7.7
		COMPRESSOR CURRENT (A)	3.7	4.2	4.8	5.3	6.0	6.6	7.3
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	18
	750	LIQUID PRESSURE (PSIG)	233	276	320	363	416	470	523
		LIQUID TEMPERATURE (°F)	72	84	95	106	117	127	138
		LIQUID SUBCOOLING (°F)	7	7	5	3	3	1	-1
		SUCTION PRESSURE (PSIG)	125	129	134	139	144	149	153
		SUCTION TEMPERATURE (°F)	65	62	58	55	55	55	56
		SUCTION SUPERHEAT (°F)	23	17	12	6	5	3	2
		OUTDOOR UNIT CURRENT (A)	4.1	4.7	5.2	5.7	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.7	4.2	4.8	5.3	6.0	6.7	7.3
		INDOOR COIL DB TEMP DROP (°F)	19	19	19	18	17	17	16
80/57	450	LIQUID PRESSURE (PSIG)	227	270	313	356	410	464	518
		LIQUID TEMPERATURE (°F)	70	81	92	103	113	123	133
		LIQUID SUBCOOLING (°F)	8	8	7	5	6	5	4
		SUCTION PRESSURE (PSIG)	111	116	121	127	133	139	145
		SUCTION TEMPERATURE (°F)	42	43	44	45	48	50	53
		SUCTION SUPERHEAT (°F)	6	4	3	1	2	2	3
		OUTDOOR UNIT CURRENT (A)	4.2	4.7	5.2	5.7	6.4	7.0	7.7
		COMPRESSOR CURRENT (A)	3.8	4.3	4.8	5.3	6.0	6.6	7.3
		INDOOR COIL DB TEMP DROP (°F)	33	32	31	29	27	25	24
	600	LIQUID PRESSURE (PSIG)	230	273	317	360	414	469	523
		LIQUID TEMPERATURE (°F)	69	80	91	102	112	122	132
		LIQUID SUBCOOLING (°F)	9	10	9	7	7	6	5
		SUCTION PRESSURE (PSIG)	117	123	129	135	141	147	153
		SUCTION TEMPERATURE (°F)	54	54	53	53	54	55	56
		SUCTION SUPERHEAT (°F)	15	12	9	6	5	4	2
		OUTDOOR UNIT CURRENT (A)	4.2	4.7	5.2	5.7	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.7	4.3	4.8	5.3	6.0	6.7	7.4
		INDOOR COIL DB TEMP DROP (°F)	29	27	26	25	24	22	20
	750	LIQUID PRESSURE (PSIG)	233	277	321	365	419	473	527
		LIQUID TEMPERATURE (°F)	68	79	90	101	111	122	132
		LIQUID SUBCOOLING (°F)	11	11	10	9	9	8	6
		SUCTION PRESSURE (PSIG)	124	130	137	143	149	155	161
		SUCTION TEMPERATURE (°F)	67	65	63	61	60	60	59
		SUCTION SUPERHEAT (°F)	24	20	15	11	8	5	3
		OUTDOOR UNIT CURRENT (A)	4.1	4.7	5.2	5.7	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.7	4.2	4.8	5.3	6.0	6.7	7.4
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	17

Continued on next page.

YCJD18S41S1 (ORIFICE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	450	LIQUID PRESSURE (PSIG)	230	272	315	358	411	464	518
		LIQUID TEMPERATURE (°F)	69	80	91	103	114	126	138
		LIQUID SUBCOOLING (°F)	10	9	8	6	4	2	-1
		SUCTION PRESSURE (PSIG)	118	122	126	130	135	140	145
		SUCTION TEMPERATURE (°F)	55	52	49	46	48	50	52
		SUCTION SUPERHEAT (°F)	15	11	6	1	1	1	2
		OUTDOOR UNIT CURRENT (A)	4.2	4.7	5.2	5.7	6.4	7.0	7.7
		COMPRESSOR CURRENT (A)	3.7	4.3	4.8	5.3	5.9	6.6	7.3
		INDOOR COIL DB TEMP DROP (°F)	29	29	28	28	26	25	24
	600	LIQUID PRESSURE (PSIG)	232	275	318	361	415	468	522
		LIQUID TEMPERATURE (°F)	68	80	91	102	114	126	138
		LIQUID SUBCOOLING (°F)	10	10	9	7	5	3	-1
		SUCTION PRESSURE (PSIG)	121	126	131	136	142	147	153
		SUCTION TEMPERATURE (°F)	61	58	56	53	54	55	56
		SUCTION SUPERHEAT (°F)	20	15	10	6	4	3	2
		OUTDOOR UNIT CURRENT (A)	4.1	4.7	5.2	5.7	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.7	4.2	4.8	5.3	6.0	6.7	7.3
		INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	23	22	21
	750	LIQUID PRESSURE (PSIG)	233	277	320	364	418	472	527
		LIQUID TEMPERATURE (°F)	68	79	90	101	114	126	138
		LIQUID SUBCOOLING (°F)	11	11	10	8	6	4	0
		SUCTION PRESSURE (PSIG)	125	131	136	142	149	155	161
		SUCTION TEMPERATURE (°F)	67	65	62	60	59	59	59
		SUCTION SUPERHEAT (°F)	24	20	15	10	7	5	2
		OUTDOOR UNIT CURRENT (A)	4.1	4.7	5.2	5.7	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.7	4.2	4.8	5.3	6.0	6.7	7.4
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	20	19	17
80/67	450	LIQUID PRESSURE (PSIG)	233	276	320	363	416	469	523
		LIQUID TEMPERATURE (°F)	73	84	95	106	116	127	138
		LIQUID SUBCOOLING (°F)	6	7	6	4	3	2	-1
		SUCTION PRESSURE (PSIG)	124	129	134	140	144	149	154
		SUCTION TEMPERATURE (°F)	65	62	59	56	56	56	56
		SUCTION SUPERHEAT (°F)	23	17	12	7	5	3	2
		OUTDOOR UNIT CURRENT (A)	4.1	4.7	5.2	5.7	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.7	4.2	4.8	5.3	6.0	6.7	7.4
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	21	20
	600	LIQUID PRESSURE (PSIG)	235	278	322	365	419	472	525
		LIQUID TEMPERATURE (°F)	72	83	94	105	116	127	138
		LIQUID SUBCOOLING (°F)	7	7	6	4	4	2	0
		SUCTION PRESSURE (PSIG)	127	133	138	144	149	153	158
		SUCTION TEMPERATURE (°F)	68	66	63	61	60	59	57
		SUCTION SUPERHEAT (°F)	24	20	15	11	8	5	2
		OUTDOOR UNIT CURRENT (A)	4.1	4.7	5.2	5.8	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.7	4.2	4.8	5.3	6.0	6.7	7.4
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	19	18
	750	LIQUID PRESSURE (PSIG)	237	281	324	368	421	474	528
		LIQUID TEMPERATURE (°F)	72	83	94	105	116	126	137
		LIQUID SUBCOOLING (°F)	8	8	7	5	5	3	1
		SUCTION PRESSURE (PSIG)	131	136	142	148	153	157	162
		SUCTION TEMPERATURE (°F)	71	69	68	66	64	61	59
		SUCTION SUPERHEAT (°F)	26	22	18	14	10	6	2
		OUTDOOR UNIT CURRENT (A)	4.1	4.7	5.2	5.8	6.5	7.1	7.8
		COMPRESSOR CURRENT (A)	3.7	4.2	4.8	5.3	6.0	6.7	7.4
		INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	18	17	17

Continued on next page.

YCJD18S41S1 (ORIFICE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	450	LIQUID PRESSURE (PSIG)	235	280	324	369	423	477	531
		LIQUID TEMPERATURE (°F)	72	83	94	105	116	126	137
		LIQUID SUBCOOLING (°F)	8	8	7	6	5	4	1
		SUCTION PRESSURE (PSIG)	129	136	142	149	155	160	166
		SUCTION TEMPERATURE (°F)	69	68	68	67	66	64	63
		SUCTION SUPERHEAT (°F)	24	21	18	15	11	8	5
		OUTDOOR UNIT CURRENT (A)	4.1	4.6	5.2	5.8	6.5	7.2	7.9
		COMPRESSOR CURRENT (A)	3.7	4.2	4.8	5.3	6.0	6.7	7.4
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	17	16	16
	600	LIQUID PRESSURE (PSIG)	238	282	327	371	425	479	533
		LIQUID TEMPERATURE (°F)	72	83	94	105	115	126	137
		LIQUID SUBCOOLING (°F)	9	9	8	6	6	4	2
		SUCTION PRESSURE (PSIG)	132	139	145	152	158	163	169
		SUCTION TEMPERATURE (°F)	71	71	70	70	69	68	67
		SUCTION SUPERHEAT (°F)	26	23	20	17	13	10	8
		OUTDOOR UNIT CURRENT (A)	4.1	4.7	5.2	5.8	6.5	7.2	7.9
		COMPRESSOR CURRENT (A)	3.7	4.2	4.8	5.3	6.1	6.8	7.5
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	15	15	14	14
	750	LIQUID PRESSURE (PSIG)	240	285	329	373	427	481	535
		LIQUID TEMPERATURE (°F)	72	83	94	104	115	126	137
		LIQUID SUBCOOLING (°F)	9	9	9	7	6	5	2
		SUCTION PRESSURE (PSIG)	135	142	148	155	161	166	172
		SUCTION TEMPERATURE (°F)	74	74	73	73	72	72	71
		SUCTION SUPERHEAT (°F)	27	24	21	18	16	13	11
		OUTDOOR UNIT CURRENT (A)	4.1	4.7	5.2	5.8	6.5	7.2	7.9
		COMPRESSOR CURRENT (A)	3.7	4.2	4.8	5.4	6.1	6.8	7.5
		INDOOR COIL DB TEMP DROP (°F)	14	13	13	13	13	13	12

FOR USE WITH MODELS WITH TXV:**YCJD18S41S1****TCJD18S41S3****TCGD18S41S(1,3)****GCGD18S41S(1,3)****RAC13J184S21**

YCJD18S41S1 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			
65	236(13)	238(13)	241(13)	242(13)
70	255(13)	256(13)	259(13)	261(13)
75	275(13)	276(13)	279(14)	281(13)
80	295(13)	296(14)	299(14)	302(13)
85	317(13)	318(14)	321(14)	324(13)
90	340(13)	341(14)	344(15)	347(13)
95	364(13)	364(14)	368(15)	371(13)
100	389(13)	390(15)	393(15)	396(13)
105	415(14)	416(15)	419(15)	423(13)
110	443(14)	443(15)	446(15)	450(13)
115	471(14)	472(15)	475(15)	478(14)
120	500(14)	501(15)	504(16)	508(14)
125	531(15)	532(15)	535(16)	538(14)

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

Charging chart is for use in Cooling mode only.

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

YCJD18S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD18S41S1	35	107	17.8	1.13	16.7	1.27	15.5	1.41	14.3	1.55	13.1	1.68	12.0	1.80	11.0	1.90
	40	118	19.6	1.13	18.4	1.27	17.1	1.42	15.8	1.55	14.6	1.69	13.4	1.82	12.3	1.92
	45	130	21.5	1.13	20.1	1.28	18.8	1.42	17.5	1.56	16.1	1.70	14.9	1.83	13.7	1.94
	50	142	23.4	1.14	22.0	1.28	20.6	1.43	19.2	1.57	17.8	1.71	16.5	1.84	15.2	1.96
	55	156	25.4	1.14	23.9	1.29	22.5	1.44	21.0	1.58	19.5	1.73	18.2	1.86	16.8	1.97

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJD18S41S1 (TXV) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1600	LIQUID PRESSURE (PSIG)	237	275	317	364	415	471	531
		LIQUID TEMPERATURE (°F)	67	77	88	98	107	116	124
		LIQUID SUBCOOLING (°F)	13	13	12	12	12	13	14
		SUCTION PRESSURE (PSIG)	121	121	121	123	126	129	134
		SUCTION TEMPERATURE (°F)	49	51	53	55	57	58	61
		SUCTION SUPERHEAT (°F)	8	10	12	13	14	14	14
		OUTDOOR UNIT CURRENT (A)	4.2	4.7	5.2	5.8	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.8	4.2	4.8	5.4	6.0	6.7	7.4
		INDOOR COIL TEMP DROP (°F)	25	24	23	22	21	21	20
	1800	LIQUID PRESSURE (PSIG)	238	276	318	365	416	472	532
		LIQUID TEMPERATURE (°F)	67	76	87	97	107	115	124
		LIQUID SUBCOOLING (°F)	14	14	13	13	13	14	15
		SUCTION PRESSURE (PSIG)	127	127	127	129	132	135	140
		SUCTION TEMPERATURE (°F)	52	54	56	57	60	61	63
		SUCTION SUPERHEAT (°F)	8	10	12	13	14	14	14
		OUTDOOR UNIT CURRENT (A)	4.2	4.7	5.2	5.8	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.8	4.2	4.8	5.4	6.0	6.7	7.4
		INDOOR COIL TEMP DROP (°F)	23	22	21	20	19	19	18
	2000	LIQUID PRESSURE (PSIG)	239	277	319	366	417	473	533
		LIQUID TEMPERATURE (°F)	66	76	86	96	106	114	123
		LIQUID SUBCOOLING (°F)	15	15	14	14	14	15	16
		SUCTION PRESSURE (PSIG)	133	133	133	135	138	141	146
		SUCTION TEMPERATURE (°F)	54	56	58	60	62	63	65
		SUCTION SUPERHEAT (°F)	8	10	12	13	14	14	14
		OUTDOOR UNIT CURRENT (A)	4.2	4.7	5.2	5.8	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.8	4.2	4.8	5.4	6.0	6.7	7.4
		INDOOR COIL TEMP DROP (°F)	21	20	19	18	17	17	16
80/57	1600	LIQUID PRESSURE (PSIG)	234	273	315	362	413	469	529
		LIQUID TEMPERATURE (°F)	66	77	86	96	105	115	123
		LIQUID SUBCOOLING (°F)	13	13	13	13	14	14	15
		SUCTION PRESSURE (PSIG)	106	109	113	117	121	126	131
		SUCTION TEMPERATURE (°F)	51	52	54	55	57	60	63
		SUCTION SUPERHEAT (°F)	17	16	16	16	16	17	18
		OUTDOOR UNIT CURRENT (A)	4.2	4.7	5.2	5.8	6.4	7.0	7.8
		COMPRESSOR CURRENT (A)	3.8	4.3	4.8	5.3	6.0	6.6	7.3
		INDOOR COIL TEMP DROP (°F)	34	33	32	31	29	28	27
	1800	LIQUID PRESSURE (PSIG)	236	275	317	364	415	471	531
		LIQUID TEMPERATURE (°F)	67	77	87	97	105	115	123
		LIQUID SUBCOOLING (°F)	13	13	13	13	14	14	15
		SUCTION PRESSURE (PSIG)	118	121	125	129	133	138	143
		SUCTION TEMPERATURE (°F)	55	55	57	58	60	63	66
		SUCTION SUPERHEAT (°F)	15	14	14	14	14	15	16
		OUTDOOR UNIT CURRENT (A)	4.2	4.7	5.2	5.8	6.4	7.0	7.8
		COMPRESSOR CURRENT (A)	3.8	4.3	4.8	5.3	6.0	6.6	7.3
		INDOOR COIL TEMP DROP (°F)	29	28	27	26	24	23	22
	2000	LIQUID PRESSURE (PSIG)	238	277	319	366	417	473	533
		LIQUID TEMPERATURE (°F)	68	78	87	97	106	115	124
		LIQUID SUBCOOLING (°F)	13	13	13	13	14	14	15
		SUCTION PRESSURE (PSIG)	130	133	137	141	145	150	155
		SUCTION TEMPERATURE (°F)	58	58	60	61	63	66	69
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	4.2	4.7	5.2	5.8	6.4	7.0	7.8
		COMPRESSOR CURRENT (A)	3.8	4.3	4.8	5.3	6.0	6.6	7.3
		INDOOR COIL TEMP DROP (°F)	24	23	22	21	19	18	17

Continued on next page.

YCJD18S41S1 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1600	LIQUID PRESSURE (PSIG)	236	274	316	362	414	470	530
		LIQUID TEMPERATURE (°F)	67	77	86	95	104	114	123
		LIQUID SUBCOOLING (°F)	13	13	14	14	15	15	15
		SUCTION PRESSURE (PSIG)	117	118	120	122	126	130	136
		SUCTION TEMPERATURE (°F)	53	53	54	55	56	59	63
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	14	16
		OUTDOOR UNIT CURRENT (A)	4.2	4.7	5.2	5.8	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.8	4.2	4.8	5.3	6.0	6.7	7.4
		INDOOR COIL TEMP DROP (°F)	30	29	28	27	26	25	24
	1800	LIQUID PRESSURE (PSIG)	238	276	318	364	416	472	532
		LIQUID TEMPERATURE (°F)	68	77	86	96	105	114	124
		LIQUID SUBCOOLING (°F)	13	13	14	14	15	15	15
		SUCTION PRESSURE (PSIG)	126	127	129	131	135	139	145
		SUCTION TEMPERATURE (°F)	56	56	56	57	59	62	66
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	15
		OUTDOOR UNIT CURRENT (A)	4.2	4.7	5.2	5.8	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.8	4.2	4.8	5.3	6.0	6.7	7.4
		INDOOR COIL TEMP DROP (°F)	27	26	25	24	23	22	21
	2000	LIQUID PRESSURE (PSIG)	240	278	320	366	418	474	534
		LIQUID TEMPERATURE (°F)	68	78	86	96	105	115	124
		LIQUID SUBCOOLING (°F)	13	13	14	14	15	15	15
		SUCTION PRESSURE (PSIG)	135	136	138	140	144	148	154
		SUCTION TEMPERATURE (°F)	59	58	59	60	61	64	68
		SUCTION SUPERHEAT (°F)	12	11	11	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	4.2	4.7	5.2	5.8	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.8	4.2	4.8	5.3	6.0	6.7	7.4
		INDOOR COIL TEMP DROP (°F)	24	23	22	21	20	19	18
80/67	1600	LIQUID PRESSURE (PSIG)	239	277	319	366	417	473	533
		LIQUID TEMPERATURE (°F)	68	77	86	95	105	114	123
		LIQUID SUBCOOLING (°F)	13	14	14	15	15	15	16
		SUCTION PRESSURE (PSIG)	132	133	135	137	140	143	146
		SUCTION TEMPERATURE (°F)	57	57	58	59	61	63	65
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	4.1	4.6	5.2	5.8	6.4	7.1	7.9
		COMPRESSOR CURRENT (A)	3.7	4.2	4.7	5.3	6.0	6.7	7.4
		INDOOR COIL TEMP DROP (°F)	25	25	24	23	23	22	21
	1800	LIQUID PRESSURE (PSIG)	241	279	321	368	419	475	535
		LIQUID TEMPERATURE (°F)	68	77	87	95	105	115	123
		LIQUID SUBCOOLING (°F)	13	14	14	15	15	15	16
		SUCTION PRESSURE (PSIG)	137	138	140	142	145	148	151
		SUCTION TEMPERATURE (°F)	59	59	60	61	63	65	67
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	4.1	4.6	5.2	5.8	6.4	7.1	7.9
		COMPRESSOR CURRENT (A)	3.7	4.2	4.7	5.3	6.0	6.7	7.4
		INDOOR COIL TEMP DROP (°F)	22	22	21	20	20	19	18
	2000	LIQUID PRESSURE (PSIG)	243	281	323	370	421	477	537
		LIQUID TEMPERATURE (°F)	69	78	87	96	105	115	123
		LIQUID SUBCOOLING (°F)	13	14	14	15	15	15	16
		SUCTION PRESSURE (PSIG)	142	143	145	147	150	153	156
		SUCTION TEMPERATURE (°F)	61	61	62	63	65	67	69
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	4.1	4.6	5.2	5.8	6.4	7.1	7.9
		COMPRESSOR CURRENT (A)	3.7	4.2	4.7	5.3	6.0	6.7	7.4
		INDOOR COIL TEMP DROP (°F)	19	19	18	17	17	16	15

Continued on next page.

YCJD18S41S1 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1600	LIQUID PRESSURE (PSIG)	240	279	322	369	421	476	536
		LIQUID TEMPERATURE (°F)	68	78	88	98	107	116	125
		LIQUID SUBCOOLING (°F)	13	13	13	13	13	14	14
		SUCTION PRESSURE (PSIG)	142	145	148	151	153	155	158
		SUCTION TEMPERATURE (°F)	58	59	61	63	64	67	69
		SUCTION SUPERHEAT (°F)	8	8	9	10	10	12	13
		OUTDOOR UNIT CURRENT (A)	3.9	4.5	5.1	5.7	6.4	7.2	7.9
		COMPRESSOR CURRENT (A)	3.5	4.1	4.7	5.3	6.0	6.7	7.5
		INDOOR COIL TEMP DROP (°F)	19	19	18	18	17	17	16
	1800	LIQUID PRESSURE (PSIG)	242	281	324	371	423	478	538
		LIQUID TEMPERATURE (°F)	69	79	88	98	108	116	125
		LIQUID SUBCOOLING (°F)	13	13	13	13	13	14	14
		SUCTION PRESSURE (PSIG)	148	151	154	157	159	161	164
		SUCTION TEMPERATURE (°F)	60	61	63	65	66	69	71
		SUCTION SUPERHEAT (°F)	8	8	9	10	10	12	13
		OUTDOOR UNIT CURRENT (A)	3.9	4.5	5.1	5.7	6.4	7.2	7.9
		COMPRESSOR CURRENT (A)	3.5	4.1	4.7	5.3	6.0	6.7	7.5
		INDOOR COIL TEMP DROP (°F)	17	17	16	16	15	15	14
	2000	LIQUID PRESSURE (PSIG)	244	283	326	373	425	480	540
		LIQUID TEMPERATURE (°F)	69	79	89	98	108	116	126
		LIQUID SUBCOOLING (°F)	13	13	13	13	13	14	14
		SUCTION PRESSURE (PSIG)	154	157	160	163	165	167	170
		SUCTION TEMPERATURE (°F)	62	63	65	67	68	71	73
		SUCTION SUPERHEAT (°F)	8	8	9	10	10	12	13
		OUTDOOR UNIT CURRENT (A)	3.9	4.5	5.1	5.7	6.4	7.2	7.9
		COMPRESSOR CURRENT (A)	3.5	4.1	4.7	5.3	6.0	6.7	7.5
		INDOOR COIL TEMP DROP (°F)	15	15	14	14	13	13	12

FOR USE WITH MODELS WITH ORIFICE:**YCJD24S41S1****TCJD24S41S3****TCGD24S41S(1,3)****GCGD24S41S(1,3)****CCGD24S41Q3****RAC13J244S21**

YCJD24S41S1 SUPERHEAT CHARGING CHART																
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE															
	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162
	TEMPERATURE (°F) AT SUCTION BASE VALVE															
65	65	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
70	58	63	68	..	..	..	..	..	..	..	..	..	..	..	..	..
75	51	56	61	66	70	..	..	..	..	..	..	..	..	..	..	..
80	..	50	54	59	63	68	72	..	..	..	..	..	..	..	..	..
85	..	..	..	53	58	62	66	71	..	..	..	..	..	..	..	..
90	..	..	..	..	51	56	60	64	68	72	..	..	..	..	..	..
95	..	..	..	..	..	51	55	59	62	66	70	..	..	..	..	..
100	..	..	..	..	..	..	51	55	58	62	65	69	..	..	..	..
105	..	..	..	..	..	..	..	..	56	59	62	65	68	..	..	..
110	..	..	..	..	..	..	..	..	..	56	59	62	65	67	..	..
115	..	..	..	..	..	..	..	..	..	..	58	60	62	64	66	68
120	..	..	..	..	..	..	..	..	..	..	..	..	61	63	64	66
125	..	..	..	..	..	..	..	..	..	..	..	..	..	62	63	64

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

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

YCJD24S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD24S41S1	35	107	26.6	1.76	24.1	1.88	21.7	1.99	19.2	2.09	16.8	2.17	14.4	2.22	11.9	2.23
	40	118	29.7	1.76	27.0	1.90	24.5	2.03	21.9	2.14	19.3	2.24	16.7	2.32	14.0	2.36
	45	130	32.9	1.77	30.1	1.92	27.3	2.06	24.7	2.19	22.0	2.31	19.2	2.41	16.3	2.47
	50	142	36.3	1.76	33.3	1.93	30.4	2.09	27.6	2.23	24.7	2.37	21.8	2.49	18.8	2.57
	55	156	39.9	1.74	36.6	1.93	33.6	2.10	30.5	2.26	27.5	2.42	24.4	2.45	21.4	2.66

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJD24S41S1 (ORIFICE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	244	286	327	369	420	471	522
		LIQUID TEMPERATURE (°F)	68	79	90	101	111	122	132
		LIQUID SUBCOOLING (°F)	14	13	12	9	9	7	5
		SUCTION PRESSURE (PSIG)	114	119	125	130	136	142	148
		SUCTION TEMPERATURE (°F)	52	51	50	49	52	56	59
		SUCTION SUPERHEAT (°F)	14	11	7	4	5	6	7
		OUTDOOR UNIT CURRENT (A)	6.4	7.0	7.5	8.1	8.5	9.0	9.5
		COMPRESSOR CURRENT (A)	5.7	6.2	6.8	7.3	7.8	8.3	8.7
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	23	22	20	19
	800	LIQUID PRESSURE (PSIG)	245	288	330	373	424	476	528
		LIQUID TEMPERATURE (°F)	68	79	90	101	111	121	132
		LIQUID SUBCOOLING (°F)	14	14	12	10	10	8	6
		SUCTION PRESSURE (PSIG)	117	122	128	134	140	147	153
		SUCTION TEMPERATURE (°F)	60	57	53	50	54	57	60
		SUCTION SUPERHEAT (°F)	21	15	9	4	5	6	7
		OUTDOOR UNIT CURRENT (A)	6.4	7.0	7.6	8.1	8.6	9.2	9.7
		COMPRESSOR CURRENT (A)	5.7	6.2	6.8	7.4	7.9	8.4	8.9
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	18	17
	1000	LIQUID PRESSURE (PSIG)	246	289	333	376	429	481	533
		LIQUID TEMPERATURE (°F)	68	79	90	101	111	121	132
		LIQUID SUBCOOLING (°F)	14	14	13	11	11	9	7
		SUCTION PRESSURE (PSIG)	120	125	131	137	144	152	159
		SUCTION TEMPERATURE (°F)	67	62	57	52	55	58	62
		SUCTION SUPERHEAT (°F)	27	19	12	4	5	5	6
		OUTDOOR UNIT CURRENT (A)	6.4	7.0	7.6	8.2	8.7	9.3	9.9
		COMPRESSOR CURRENT (A)	5.6	6.2	6.8	7.4	8.0	8.6	9.1
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	16	15
80/57	600	LIQUID PRESSURE (PSIG)	237	281	325	369	421	473	525
		LIQUID TEMPERATURE (°F)	69	81	92	103	113	122	132
		LIQUID SUBCOOLING (°F)	11	11	10	8	8	7	6
		SUCTION PRESSURE (PSIG)	104	112	120	128	136	144	152
		SUCTION TEMPERATURE (°F)	37	40	44	48	52	55	59
		SUCTION SUPERHEAT (°F)	3	3	4	4	5	5	6
		OUTDOOR UNIT CURRENT (A)	6.3	6.9	7.5	8.0	8.6	9.1	9.7
		COMPRESSOR CURRENT (A)	5.6	6.1	6.7	7.3	7.8	8.4	8.9
		INDOOR COIL DB TEMP DROP (°F)	35	32	30	28	26	24	22
	800	LIQUID PRESSURE (PSIG)	239	284	329	373	426	479	532
		LIQUID TEMPERATURE (°F)	69	80	91	102	112	122	132
		LIQUID SUBCOOLING (°F)	12	13	12	10	10	9	7
		SUCTION PRESSURE (PSIG)	110	118	126	134	142	150	158
		SUCTION TEMPERATURE (°F)	47	48	49	50	54	58	61
		SUCTION SUPERHEAT (°F)	11	8	6	4	4	5	6
		OUTDOOR UNIT CURRENT (A)	6.4	6.9	7.5	8.1	8.7	9.3	9.9
		COMPRESSOR CURRENT (A)	5.6	6.2	6.8	7.4	8.0	8.6	9.2
		INDOOR COIL DB TEMP DROP (°F)	30	28	27	25	23	21	19
	1000	LIQUID PRESSURE (PSIG)	242	287	332	378	432	486	540
		LIQUID TEMPERATURE (°F)	68	79	90	101	111	121	132
		LIQUID SUBCOOLING (°F)	14	14	13	12	11	10	8
		SUCTION PRESSURE (PSIG)	115	123	131	140	148	157	165
		SUCTION TEMPERATURE (°F)	57	56	54	52	56	60	64
		SUCTION SUPERHEAT (°F)	19	14	9	4	4	5	5
		OUTDOOR UNIT CURRENT (A)	6.4	7.0	7.6	8.2	8.9	9.5	10.1
		COMPRESSOR CURRENT (A)	5.6	6.2	6.9	7.5	8.1	8.8	9.4
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	20	18	17

Continued on next page.

YCJD24S41S1 (ORIFICE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	600	LIQUID PRESSURE (PSIG)	242	284	326	368	420	473	525
		LIQUID TEMPERATURE (°F)	68	79	90	101	111	121	131
		LIQUID SUBCOOLING (°F)	14	13	12	9	9	8	6
		SUCTION PRESSURE (PSIG)	113	118	124	130	137	144	152
		SUCTION TEMPERATURE (°F)	45	46	47	48	52	56	60
		SUCTION SUPERHEAT (°F)	7	6	5	4	5	6	7
		OUTDOOR UNIT CURRENT (A)	6.4	6.9	7.5	8.0	8.6	9.1	9.6
		COMPRESSOR CURRENT (A)	5.6	6.2	6.7	7.3	7.8	8.3	8.9
		INDOOR COIL DB TEMP DROP (°F)	31	30	29	28	26	24	22
	800	LIQUID PRESSURE (PSIG)	243	286	330	373	426	479	532
		LIQUID TEMPERATURE (°F)	68	79	90	101	111	121	131
		LIQUID SUBCOOLING (°F)	14	14	13	11	10	9	7
		SUCTION PRESSURE (PSIG)	115	122	128	135	143	151	158
		SUCTION TEMPERATURE (°F)	55	53	52	51	55	59	63
		SUCTION SUPERHEAT (°F)	16	12	8	4	5	6	7
		OUTDOOR UNIT CURRENT (A)	6.4	7.0	7.6	8.1	8.7	9.3	9.9
		COMPRESSOR CURRENT (A)	5.6	6.2	6.8	7.4	8.0	8.6	9.1
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	23	21	19
	1000	LIQUID PRESSURE (PSIG)	244	289	334	379	432	486	540
		LIQUID TEMPERATURE (°F)	68	79	89	100	111	121	131
		LIQUID SUBCOOLING (°F)	14	15	14	12	12	10	8
		SUCTION PRESSURE (PSIG)	118	125	133	140	149	157	165
		SUCTION TEMPERATURE (°F)	65	61	57	53	57	61	65
		SUCTION SUPERHEAT (°F)	25	18	11	4	5	6	7
		OUTDOOR UNIT CURRENT (A)	6.4	7.0	7.6	8.3	8.9	9.5	10.1
		COMPRESSOR CURRENT (A)	5.6	6.2	6.9	7.5	8.1	8.8	9.4
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	20	18	16
80/67	600	LIQUID PRESSURE (PSIG)	246	290	333	377	429	480	532
		LIQUID TEMPERATURE (°F)	68	79	90	101	111	121	132
		LIQUID SUBCOOLING (°F)	14	14	13	11	11	9	7
		SUCTION PRESSURE (PSIG)	119	126	132	138	145	151	157
		SUCTION TEMPERATURE (°F)	68	62	57	52	55	58	62
		SUCTION SUPERHEAT (°F)	28	19	11	4	4	5	6
		OUTDOOR UNIT CURRENT (A)	6.4	7.0	7.6	8.2	8.8	9.3	9.8
		COMPRESSOR CURRENT (A)	5.6	6.3	6.9	7.5	8.0	8.6	9.1
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	21	20
	800	LIQUID PRESSURE (PSIG)	248	292	336	380	432	484	537
		LIQUID TEMPERATURE (°F)	68	79	90	101	111	121	132
		LIQUID SUBCOOLING (°F)	15	15	14	12	11	10	7
		SUCTION PRESSURE (PSIG)	122	129	136	143	149	155	161
		SUCTION TEMPERATURE (°F)	70	67	63	59	60	62	63
		SUCTION SUPERHEAT (°F)	29	22	16	9	8	7	6
		OUTDOOR UNIT CURRENT (A)	6.4	7.0	7.7	8.3	8.9	9.4	10.0
		COMPRESSOR CURRENT (A)	5.7	6.3	6.9	7.6	8.1	8.7	9.2
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	19	18
	1000	LIQUID PRESSURE (PSIG)	250	295	339	383	436	488	541
		LIQUID TEMPERATURE (°F)	68	79	90	100	111	121	132
		LIQUID SUBCOOLING (°F)	16	16	15	13	12	10	8
		SUCTION PRESSURE (PSIG)	124	132	139	147	153	159	165
		SUCTION TEMPERATURE (°F)	73	71	68	66	66	65	65
		SUCTION SUPERHEAT (°F)	31	25	20	15	12	9	6
		OUTDOOR UNIT CURRENT (A)	6.4	7.1	7.7	8.4	9.0	9.5	10.1
		COMPRESSOR CURRENT (A)	5.7	6.3	7.0	7.6	8.2	8.8	9.4
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	17

Continued on next page.

YCJD24S41S1 (ORIFICE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	600	LIQUID PRESSURE (PSIG)	248	294	339	385	438	491	544
		LIQUID TEMPERATURE (°F)	68	79	90	100	111	121	132
		LIQUID SUBCOOLING (°F)	15	15	15	13	13	11	9
		SUCTION PRESSURE (PSIG)	122	130	139	148	155	162	168
		SUCTION TEMPERATURE (°F)	70	70	69	68	67	67	66
		SUCTION SUPERHEAT (°F)	29	25	20	16	13	10	6
		OUTDOOR UNIT CURRENT (A)	6.4	7.1	7.7	8.4	9.0	9.6	10.2
		COMPRESSOR CURRENT (A)	5.6	6.3	7.0	7.7	8.3	8.9	9.5
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	18	17	16
	800	LIQUID PRESSURE (PSIG)	250	296	341	387	440	494	547
		LIQUID TEMPERATURE (°F)	68	79	90	100	111	121	132
		LIQUID SUBCOOLING (°F)	16	16	15	14	13	11	9
		SUCTION PRESSURE (PSIG)	124	133	142	151	158	165	172
		SUCTION TEMPERATURE (°F)	72	72	72	72	70	68	67
		SUCTION SUPERHEAT (°F)	30	26	22	18	14	10	6
		OUTDOOR UNIT CURRENT (A)	6.4	7.1	7.8	8.5	9.1	9.7	10.3
		COMPRESSOR CURRENT (A)	5.6	6.3	7.0	7.7	8.4	9.0	9.6
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	16	15	15
	1000	LIQUID PRESSURE (PSIG)	252	298	344	389	443	497	550
		LIQUID TEMPERATURE (°F)	68	79	90	100	111	121	131
		LIQUID SUBCOOLING (°F)	16	17	16	14	14	12	10
		SUCTION PRESSURE (PSIG)	126	135	145	154	161	168	175
		SUCTION TEMPERATURE (°F)	75	75	75	75	72	70	68
		SUCTION SUPERHEAT (°F)	31	28	24	21	16	11	6
		OUTDOOR UNIT CURRENT (A)	6.4	7.1	7.8	8.5	9.2	9.8	10.5
		COMPRESSOR CURRENT (A)	5.6	6.4	7.1	7.8	8.4	9.1	9.7
		INDOOR COIL DB TEMP DROP (°F)	15	15	15	15	14	14	13

FOR USE WITH MODELS WITH TXV:

YCJD24S41S1
TCJD24S41S3
TCGD24S41S(1,3)
GCGD24S41S(1,3)
CCGD24S41Q3
RAC13J244S21

YCJD24S41S1 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			
65	247(14)	248(13)	247(10)	252(9)
70	266(14)	267(14)	266(11)	271(9)
75	285(14)	287(14)	287(11)	290(9)
80	307(14)	308(14)	308(12)	311(9)
85	330(15)	331(14)	331(12)	333(9)
90	355(15)	355(15)	355(12)	357(9)
95	382(15)	380(15)	381(13)	381(9)
100	411(16)	407(15)	407(13)	407(9)
105	441(16)	435(15)	435(13)	434(10)
110	473(16)	464(15)	463(14)	462(10)
115	507(17)	495(15)	493(14)	492(11)
120	542(17)	527(15)	525(14)	523(12)
125	579(18)	561(15)	557(14)	555(12)

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

Charging chart is for use in Cooling mode only.

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

YCJD24S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD24S41S1	35	107	26.6	1.76	24.1	1.88	21.7	1.99	19.2	2.09	16.8	2.17	14.4	2.22	11.9	2.23
	40	118	29.7	1.76	27.0	1.90	24.5	2.03	21.9	2.14	19.3	2.24	16.7	2.32	14.0	2.36
	45	130	32.9	1.77	30.1	1.92	27.3	2.06	24.7	2.19	22.0	2.31	19.2	2.41	16.3	2.47
	50	142	36.3	1.76	33.3	1.93	30.4	2.09	27.6	2.23	24.7	2.37	21.8	2.49	18.8	2.57
	55	156	39.9	1.74	36.6	1.93	33.6	2.10	30.5	2.26	27.5	2.42	24.4	2.45	21.4	2.66

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJD24S41S1 (TXV) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1600	LIQUID PRESSURE (PSIG)	247	285	329	380	437	501	572
		LIQUID TEMPERATURE (°F)	70	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	13	14	14	15	15	16	17
		SUCTION PRESSURE (PSIG)	113	115	118	122	127	132	138
		SUCTION TEMPERATURE (°F)	52	53	56	60	64	68	73
		SUCTION SUPERHEAT (°F)	14	15	16	18	20	22	25
		OUTDOOR UNIT CURRENT (A)	6.3	6.9	7.4	8.0	8.5	9.0	9.5
		COMPRESSOR CURRENT (A)	5.5	6.1	6.7	7.2	7.8	8.3	8.8
		INDOOR COIL TEMP DROP (°F)	27	25	24	23	21	20	20
		INDOOR COIL TEMP DROP (°F)	27	25	24	23	21	20	20
	1800	LIQUID PRESSURE (PSIG)	248	286	330	381	438	502	573
		LIQUID TEMPERATURE (°F)	70	79	89	98	108	118	128
		LIQUID SUBCOOLING (°F)	13	14	14	15	15	16	17
		SUCTION PRESSURE (PSIG)	117	119	122	126	131	136	142
		SUCTION TEMPERATURE (°F)	53	55	58	61	65	69	75
		SUCTION SUPERHEAT (°F)	14	15	16	18	20	22	25
		OUTDOOR UNIT CURRENT (A)	6.4	7.0	7.5	8.1	8.6	9.1	9.6
		COMPRESSOR CURRENT (A)	5.6	6.2	6.8	7.3	7.9	8.4	8.9
		INDOOR COIL TEMP DROP (°F)	24	22	21	20	18	17	17
		INDOOR COIL TEMP DROP (°F)	24	22	21	20	18	17	17
	2000	LIQUID PRESSURE (PSIG)	249	287	331	382	439	503	574
		LIQUID TEMPERATURE (°F)	70	79	89	98	109	118	128
		LIQUID SUBCOOLING (°F)	13	14	14	15	15	16	17
		SUCTION PRESSURE (PSIG)	121	123	126	130	135	140	146
		SUCTION TEMPERATURE (°F)	55	57	59	63	67	71	76
		SUCTION SUPERHEAT (°F)	14	15	16	18	20	22	25
		OUTDOOR UNIT CURRENT (A)	6.5	7.1	7.6	8.2	8.7	9.2	9.7
		COMPRESSOR CURRENT (A)	5.7	6.3	6.9	7.4	8.0	8.5	9.0
		INDOOR COIL TEMP DROP (°F)	21	19	18	17	15	14	14
		INDOOR COIL TEMP DROP (°F)	21	19	18	17	15	14	14
80/57	1600	LIQUID PRESSURE (PSIG)	245	283	328	380	439	505	577
		LIQUID TEMPERATURE (°F)	68	78	87	98	108	117	127
		LIQUID SUBCOOLING (°F)	14	14	15	15	16	17	18
		SUCTION PRESSURE (PSIG)	107	108	111	115	121	128	136
		SUCTION TEMPERATURE (°F)	49	51	56	59	64	69	73
		SUCTION SUPERHEAT (°F)	14	16	19	21	23	25	26
		OUTDOOR UNIT CURRENT (A)	6.2	6.7	7.3	7.8	8.4	8.9	9.5
		COMPRESSOR CURRENT (A)	5.4	6.0	6.5	7.1	7.6	8.2	8.8
		INDOOR COIL TEMP DROP (°F)	35	32	30	28	26	25	23
		INDOOR COIL TEMP DROP (°F)	35	32	30	28	26	25	23
	1800	LIQUID PRESSURE (PSIG)	247	285	330	382	441	507	579
		LIQUID TEMPERATURE (°F)	69	78	88	98	108	118	127
		LIQUID SUBCOOLING (°F)	14	14	15	15	16	17	18
		SUCTION PRESSURE (PSIG)	115	116	119	123	129	136	144
		SUCTION TEMPERATURE (°F)	51	54	58	62	66	71	75
		SUCTION SUPERHEAT (°F)	13	15	18	20	22	24	25
		OUTDOOR UNIT CURRENT (A)	6.4	6.9	7.5	8.0	8.6	9.1	9.7
		COMPRESSOR CURRENT (A)	5.6	6.2	6.7	7.3	7.8	8.4	9.0
		INDOOR COIL TEMP DROP (°F)	31	28	26	24	22	21	19
		INDOOR COIL TEMP DROP (°F)	31	28	26	24	22	21	19
	2000	LIQUID PRESSURE (PSIG)	249	287	332	384	443	509	581
		LIQUID TEMPERATURE (°F)	69	79	88	99	108	118	128
		LIQUID SUBCOOLING (°F)	14	14	15	15	16	17	18
		SUCTION PRESSURE (PSIG)	123	124	127	131	137	144	152
		SUCTION TEMPERATURE (°F)	54	56	61	64	69	73	77
		SUCTION SUPERHEAT (°F)	12	14	17	19	21	23	24
		OUTDOOR UNIT CURRENT (A)	6.6	7.1	7.7	8.2	8.8	9.3	9.9
		COMPRESSOR CURRENT (A)	5.8	6.4	6.9	7.5	8.0	8.6	9.2
		INDOOR COIL TEMP DROP (°F)	27	24	22	20	18	17	15
		INDOOR COIL TEMP DROP (°F)	27	24	22	20	18	17	15

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80/62	1600	LIQUID PRESSURE (PSIG)	243	282	326	375	430	490	556
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YCJD24S41S1 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
		LIQUID TEMPERATURE (°F)	70	79	89	98	108	118	128
		LIQUID SUBCOOLING (°F)	12	13	13	14	14	14	14
		SUCTION PRESSURE (PSIG)	114	115	117	120	125	131	138
		SUCTION TEMPERATURE (°F)	50	53	57	61	65	69	74
		SUCTION SUPERHEAT (°F)	12	15	18	20	22	24	26
		OUTDOOR UNIT CURRENT (A)	6.2	6.8	7.3	7.9	8.4	8.9	9.4
		COMPRESSOR CURRENT (A)	5.4	6.0	6.6	7.1	7.7	8.2	8.7
		INDOOR COIL TEMP DROP (°F)	31	29	28	26	25	24	22
	1800	LIQUID PRESSURE (PSIG)	248	287	331	380	435	495	561
		LIQUID TEMPERATURE (°F)	70	79	89	98	108	118	128
		LIQUID SUBCOOLING (°F)	13	14	14	15	15	15	15
		SUCTION PRESSURE (PSIG)	120	121	123	126	131	137	144
		SUCTION TEMPERATURE (°F)	53	56	60	63	67	72	76
		SUCTION SUPERHEAT (°F)	12	15	18	20	22	24	26
		OUTDOOR UNIT CURRENT (A)	6.4	7.0	7.5	8.1	8.6	9.1	9.6
		COMPRESSOR CURRENT (A)	5.6	6.2	6.8	7.3	7.9	8.4	8.9
		INDOOR COIL TEMP DROP (°F)	28	26	25	23	22	21	19
	2000	LIQUID PRESSURE (PSIG)	253	292	336	385	440	500	566
		LIQUID TEMPERATURE (°F)	72	80	90	99	109	119	129
		LIQUID SUBCOOLING (°F)	13	14	14	15	15	15	15
		SUCTION PRESSURE (PSIG)	126	127	129	132	137	143	150
		SUCTION TEMPERATURE (°F)	55	59	62	66	70	74	79
		SUCTION SUPERHEAT (°F)	12	15	18	20	22	24	26
		OUTDOOR UNIT CURRENT (A)	6.6	7.2	7.7	8.3	8.8	9.3	9.8
		COMPRESSOR CURRENT (A)	5.8	6.4	7.0	7.5	8.1	8.6	9.1
		INDOOR COIL TEMP DROP (°F)	25	23	22	20	19	18	16
80/67	1600	LIQUID PRESSURE (PSIG)	246	286	330	380	434	492	556
		LIQUID TEMPERATURE (°F)	72	81	90	99	109	117	127
		LIQUID SUBCOOLING (°F)	11	12	13	14	14	15	15
		SUCTION PRESSURE (PSIG)	119	123	127	132	136	141	145
		SUCTION TEMPERATURE (°F)	55	58	61	64	67	71	75
		SUCTION SUPERHEAT (°F)	15	16	17	18	20	22	24
		OUTDOOR UNIT CURRENT (A)	6.2	6.9	7.5	8.1	8.7	9.2	9.7
		COMPRESSOR CURRENT (A)	5.4	6.1	6.8	7.4	8.0	8.5	9.0
		INDOOR COIL TEMP DROP (°F)	25	25	24	23	22	21	20
	1800	LIQUID PRESSURE (PSIG)	247	287	331	381	435	493	557
		LIQUID TEMPERATURE (°F)	73	82	91	100	110	119	128
		LIQUID SUBCOOLING (°F)	10	11	12	13	13	14	14
		SUCTION PRESSURE (PSIG)	126	130	134	139	143	148	152
		SUCTION TEMPERATURE (°F)	57	60	63	66	69	73	76
		SUCTION SUPERHEAT (°F)	14	15	16	17	19	21	23
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.6	8.2	8.8	9.3	9.8
		COMPRESSOR CURRENT (A)	5.5	6.2	6.9	7.5	8.1	8.6	9.1
		INDOOR COIL TEMP DROP (°F)	23	23	22	21	20	19	18
	2000	LIQUID PRESSURE (PSIG)	248	288	332	382	436	494	558
		LIQUID TEMPERATURE (°F)	74	83	92	101	111	120	129
		LIQUID SUBCOOLING (°F)	9	10	11	12	12	13	13
		SUCTION PRESSURE (PSIG)	133	137	141	146	150	155	159
		SUCTION TEMPERATURE (°F)	59	62	64	67	71	75	78
		SUCTION SUPERHEAT (°F)	13	14	15	16	18	20	22
		OUTDOOR UNIT CURRENT (A)	6.4	7.1	7.7	8.3	8.9	9.4	9.9
		COMPRESSOR CURRENT (A)	5.6	6.3	7.0	7.6	8.2	8.7	9.2
		INDOOR COIL TEMP DROP (°F)	21	21	20	19	18	17	16

Continued on next page.

YCJD24S41S1 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1600	LIQUID PRESSURE (PSIG)	251	289	332	380	433	491	554
		LIQUID TEMPERATURE (°F)	74	83	93	103	112	120	129
		LIQUID SUBCOOLING (°F)	10	10	10	10	11	12	13
		SUCTION PRESSURE (PSIG)	134	139	144	148	152	157	161
		SUCTION TEMPERATURE (°F)	65	64	63	65	67	71	77
		SUCTION SUPERHEAT (°F)	18	15	13	13	14	16	20
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.6	8.3	8.9	9.5	10.1
		COMPRESSOR CURRENT (A)	5.4	6.1	6.9	7.5	8.2	8.8	9.4
		INDOOR COIL TEMP DROP (°F)	20	20	20	20	19	18	16
	1800	LIQUID PRESSURE (PSIG)	252	290	333	381	434	492	555
		LIQUID TEMPERATURE (°F)	75	85	94	104	113	121	130
		LIQUID SUBCOOLING (°F)	9	9	9	9	10	11	12
		SUCTION PRESSURE (PSIG)	139	144	149	153	157	162	166
		SUCTION TEMPERATURE (°F)	67	65	65	67	69	73	79
		SUCTION SUPERHEAT (°F)	18	15	13	13	14	16	20
		OUTDOOR UNIT CURRENT (A)	6.2	7.0	7.7	8.4	9.0	9.6	10.2
		COMPRESSOR CURRENT (A)	5.5	6.2	7.0	7.6	8.3	8.9	9.5
		INDOOR COIL TEMP DROP (°F)	18	18	18	18	17	16	14
	2000	LIQUID PRESSURE (PSIG)	253	291	334	382	435	493	556
		LIQUID TEMPERATURE (°F)	77	86	95	105	114	123	131
		LIQUID SUBCOOLING (°F)	8	8	8	8	9	10	11
		SUCTION PRESSURE (PSIG)	144	149	154	158	162	167	171
		SUCTION TEMPERATURE (°F)	68	67	67	69	71	75	80
		SUCTION SUPERHEAT (°F)	18	15	13	13	14	16	20
		OUTDOOR UNIT CURRENT (A)	6.3	7.1	7.8	8.5	9.1	9.7	10.3
		COMPRESSOR CURRENT (A)	5.6	6.3	7.1	7.7	8.4	9.0	9.6
		INDOOR COIL TEMP DROP (°F)	16	16	16	16	15	14	12

FOR USE WITH MODELS WITH ORIFICE:

YCJD30S41S1
YCJD30S43S3
YCJD30S44S3
TCJD30S41S3
TCJD30S43S3
TCJD30S44S3
TCGD30S41S(1,3)
GCGD30S41S(1,3)
CCGD30S41Q3
RAC13J304S21
RAC13J304S31

YCJD30S41S1 SUPERHEAT CHARGING CHART																
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE															
	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162
	TEMPERATURE (°F) AT SUCTION BASE VALVE															
65	56	59	62	65	67	70	..	..	..	..	..	..	..	..	..	..
70	..	56	59	61	64	67	69	..	..	..	..	..	..	..	..	..
75	..	..	..	58	61	64	67	70	..	..	..	..	..	..	..	..
80	..	..	..	..	58	61	64	66	69	..	..	..	..	..	..	..
85	..	..	..	..	..	58	61	64	66	69	72	..	..	..	..	..
90	..	..	..	..	..	..	58	61	63	66	68	71	..	..	..	..
95	..	..	..	..	..	..	..	58	61	63	66	69	71	..	..	..
100	..	..	..	..	..	..	..	..	..	61	63	65	68	70	..	..
105	..	..	..	..	..	..	..	..	..	..	62	64	66	68	70	..
110	..	..	..	..	..	..	..	..	..	..	..	63	64	66	68	70
115	..	..	..	..	..	..	..	..	..	..	..	..	64	65	67	68
120	..	..	..	..	..	..	..	..	..	..	..	..	..	65	66	67
125	..	..	..	..	..	..	..	..	..	..	..	..	..	..	66	67

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

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

YCJD30S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD30S41S1	35	107	30.2	2.04	27.3	2.17	24.6	2.30	21.9	2.40	19.1	2.49	16.3	2.55	13.5	2.56
	40	118	33.6	2.06	30.6	2.21	27.7	2.35	24.9	2.47	22.0	2.58	19.0	2.66	15.9	2.70
	45	130	37.2	2.07	34.0	2.23	31.0	2.39	28.0	2.53	25.0	2.66	21.8	2.77	18.5	2.83
	50	142	41.0	2.06	37.6	2.25	34.4	2.42	31.1	2.58	27.9	2.73	24.8	2.86	21.3	2.95
	55	156	45.0	2.04	41.3	2.25	37.8	2.45	34.5	2.62	31.1	2.79	27.8	2.81	24.2	3.05

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJD30S41S1 (ORIFICE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	247	289	330	372	424	477	530
		LIQUID TEMPERATURE (°F)	70	82	93	104	114	125	135
		LIQUID SUBCOOLING (°F)	13	12	10	7	7	5	3
		SUCTION PRESSURE (PSIG)	120	125	130	135	140	145	151
		SUCTION TEMPERATURE (°F)	53	53	53	53	56	59	62
		SUCTION SUPERHEAT (°F)	13	10	8	6	7	8	9
		OUTDOOR UNIT CURRENT (A)	7.5	8.2	8.9	9.5	10.2	10.9	11.6
		COMPRESSOR CURRENT (A)	6.5	7.2	7.9	8.6	9.3	10.0	10.7
		INDOOR COIL DB TEMP DROP (°F)	26	24	23	22	21	19	18
	1000	LIQUID PRESSURE (PSIG)	250	291	333	375	428	480	533
		LIQUID TEMPERATURE (°F)	70	81	92	104	114	124	134
		LIQUID SUBCOOLING (°F)	14	13	11	8	8	6	4
		SUCTION PRESSURE (PSIG)	123	128	133	138	144	150	155
		SUCTION TEMPERATURE (°F)	59	57	55	54	57	60	64
		SUCTION SUPERHEAT (°F)	17	13	9	6	7	8	9
		OUTDOOR UNIT CURRENT (A)	7.6	8.2	8.9	9.6	10.3	11.1	11.8
		COMPRESSOR CURRENT (A)	6.6	7.3	8.0	8.7	9.4	10.1	10.8
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	17	16
	1200	LIQUID PRESSURE (PSIG)	252	294	336	379	431	484	536
		LIQUID TEMPERATURE (°F)	70	81	92	103	113	124	134
		LIQUID SUBCOOLING (°F)	14	14	12	9	9	7	5
		SUCTION PRESSURE (PSIG)	126	131	136	141	148	154	160
		SUCTION TEMPERATURE (°F)	64	61	58	55	58	62	65
		SUCTION SUPERHEAT (°F)	21	16	11	6	7	8	9
		OUTDOOR UNIT CURRENT (A)	7.6	8.3	9.0	9.7	10.5	11.2	11.9
		COMPRESSOR CURRENT (A)	6.6	7.3	8.1	8.8	9.5	10.3	11.0
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	17	16	14
80/57	800	LIQUID PRESSURE (PSIG)	243	286	330	373	427	481	534
		LIQUID TEMPERATURE (°F)	71	82	93	105	115	124	134
		LIQUID SUBCOOLING (°F)	11	11	9	7	7	6	5
		SUCTION PRESSURE (PSIG)	114	121	128	135	142	150	157
		SUCTION TEMPERATURE (°F)	46	48	51	53	57	61	64
		SUCTION SUPERHEAT (°F)	7	7	6	6	7	8	9
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	8.9	9.6	10.3	11.1	11.9
		COMPRESSOR CURRENT (A)	6.4	7.2	7.9	8.6	9.4	10.2	10.9
		INDOOR COIL DB TEMP DROP (°F)	34	32	30	27	25	23	21
	1000	LIQUID PRESSURE (PSIG)	247	291	334	378	431	485	538
		LIQUID TEMPERATURE (°F)	71	82	93	104	114	124	134
		LIQUID SUBCOOLING (°F)	12	12	11	9	9	7	5
		SUCTION PRESSURE (PSIG)	119	127	134	141	148	155	163
		SUCTION TEMPERATURE (°F)	55	56	57	58	60	63	66
		SUCTION SUPERHEAT (°F)	15	13	10	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	7.5	8.2	9.0	9.7	10.5	11.3	12.0
		COMPRESSOR CURRENT (A)	6.5	7.2	8.0	8.8	9.6	10.3	11.1
		INDOOR COIL DB TEMP DROP (°F)	30	28	26	24	22	20	18
	1200	LIQUID PRESSURE (PSIG)	251	295	339	383	436	489	542
		LIQUID TEMPERATURE (°F)	70	81	92	102	113	123	134
		LIQUID SUBCOOLING (°F)	14	14	13	11	10	9	6
		SUCTION PRESSURE (PSIG)	125	132	139	147	154	161	168
		SUCTION TEMPERATURE (°F)	65	64	63	62	64	66	68
		SUCTION SUPERHEAT (°F)	22	18	14	11	10	9	8
		OUTDOOR UNIT CURRENT (A)	7.5	8.3	9.1	9.9	10.7	11.4	12.2
		COMPRESSOR CURRENT (A)	6.5	7.3	8.1	8.9	9.7	10.5	11.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	21	20	18	16

Continued on next page.

YCJD30S41S1 (ORIFICE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	800	LIQUID PRESSURE (PSIG)	247	289	330	372	427	481	536
		LIQUID TEMPERATURE (°F)	70	82	93	105	115	124	134
		LIQUID SUBCOOLING (°F)	13	12	10	7	7	6	5
		SUCTION PRESSURE (PSIG)	120	125	130	136	143	150	157
		SUCTION TEMPERATURE (°F)	54	54	54	53	57	61	64
		SUCTION SUPERHEAT (°F)	13	11	9	6	7	8	9
		OUTDOOR UNIT CURRENT (A)	7.5	8.2	8.9	9.6	10.3	11.1	11.9
		COMPRESSOR CURRENT (A)	6.5	7.2	7.9	8.6	9.4	10.2	10.9
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	25	23	21
	1000	LIQUID PRESSURE (PSIG)	249	292	334	377	431	485	539
		LIQUID TEMPERATURE (°F)	70	81	92	104	114	124	134
		LIQUID SUBCOOLING (°F)	14	13	11	8	8	7	5
		SUCTION PRESSURE (PSIG)	122	129	135	141	148	155	162
		SUCTION TEMPERATURE (°F)	59	59	58	58	61	63	66
		SUCTION SUPERHEAT (°F)	18	14	12	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	7.5	8.2	9.0	9.7	10.5	11.3	12.0
		COMPRESSOR CURRENT (A)	6.5	7.3	8.0	8.7	9.5	10.3	11.1
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	22	20	18
	1200	LIQUID PRESSURE (PSIG)	251	294	338	381	435	489	543
		LIQUID TEMPERATURE (°F)	69	80	92	103	113	124	134
		LIQUID SUBCOOLING (°F)	15	14	13	10	10	8	6
		SUCTION PRESSURE (PSIG)	125	132	139	147	154	161	168
		SUCTION TEMPERATURE (°F)	64	64	63	63	64	66	68
		SUCTION SUPERHEAT (°F)	22	18	14	11	10	9	8
		OUTDOOR UNIT CURRENT (A)	7.5	8.3	9.1	9.8	10.6	11.4	12.2
		COMPRESSOR CURRENT (A)	6.5	7.3	8.1	8.9	9.7	10.5	11.3
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	20	18	16
80/67	800	LIQUID PRESSURE (PSIG)	252	296	339	382	433	485	536
		LIQUID TEMPERATURE (°F)	69	80	92	103	113	123	133
		LIQUID SUBCOOLING (°F)	15	14	13	10	9	8	6
		SUCTION PRESSURE (PSIG)	126	133	139	145	150	155	160
		SUCTION TEMPERATURE (°F)	65	63	60	57	60	63	65
		SUCTION SUPERHEAT (°F)	22	17	12	7	7	8	9
		OUTDOOR UNIT CURRENT (A)	7.5	8.3	9.1	9.8	10.5	11.3	12.0
		COMPRESSOR CURRENT (A)	6.6	7.3	8.1	8.9	9.6	10.3	11.1
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19
	1000	LIQUID PRESSURE (PSIG)	254	298	341	385	436	488	539
		LIQUID TEMPERATURE (°F)	69	80	92	103	113	123	134
		LIQUID SUBCOOLING (°F)	16	15	13	11	10	8	6
		SUCTION PRESSURE (PSIG)	129	135	142	148	153	158	163
		SUCTION TEMPERATURE (°F)	68	66	64	62	63	65	66
		SUCTION SUPERHEAT (°F)	23	19	14	10	10	9	9
		OUTDOOR UNIT CURRENT (A)	7.5	8.3	9.1	9.9	10.6	11.4	12.1
		COMPRESSOR CURRENT (A)	6.6	7.4	8.2	9.0	9.7	10.4	11.2
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	20	19	18	17
	1200	LIQUID PRESSURE (PSIG)	256	300	344	388	439	491	543
		LIQUID TEMPERATURE (°F)	69	80	91	103	113	124	134
		LIQUID SUBCOOLING (°F)	17	16	14	11	10	9	6
		SUCTION PRESSURE (PSIG)	132	138	145	151	156	161	166
		SUCTION TEMPERATURE (°F)	70	69	68	67	67	67	67
		SUCTION SUPERHEAT (°F)	25	21	17	14	12	10	9
		OUTDOOR UNIT CURRENT (A)	7.5	8.4	9.2	10.0	10.7	11.5	12.2
		COMPRESSOR CURRENT (A)	6.6	7.4	8.2	9.0	9.8	10.5	11.3
		INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	18	17	16

Continued on next page.

YCJD30S41S1 (ORIFICE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	800	LIQUID PRESSURE (PSIG)	258	302	347	391	444	496	549
		LIQUID TEMPERATURE (°F)	68	80	91	102	112	123	133
		LIQUID SUBCOOLING (°F)	17	17	15	13	12	10	8
		SUCTION PRESSURE (PSIG)	132	140	147	155	161	167	173
		SUCTION TEMPERATURE (°F)	68	69	69	70	70	70	69
		SUCTION SUPERHEAT (°F)	23	20	18	16	13	11	8
		OUTDOOR UNIT CURRENT (A)	7.6	8.4	9.3	10.1	10.9	11.6	12.4
		COMPRESSOR CURRENT (A)	6.6	7.5	8.3	9.1	9.9	10.7	11.5
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	16	15	14
	1000	LIQUID PRESSURE (PSIG)	261	305	350	394	446	498	551
		LIQUID TEMPERATURE (°F)	68	79	91	102	112	123	133
		LIQUID SUBCOOLING (°F)	18	18	16	14	13	11	8
		SUCTION PRESSURE (PSIG)	135	143	150	157	164	170	176
		SUCTION TEMPERATURE (°F)	70	71	72	72	72	71	70
		SUCTION SUPERHEAT (°F)	23	21	19	17	14	11	8
		OUTDOOR UNIT CURRENT (A)	7.7	8.5	9.3	10.1	10.9	11.7	12.5
		COMPRESSOR CURRENT (A)	6.7	7.5	8.4	9.2	10.0	10.8	11.6
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	15	14	14	13
	1200	LIQUID PRESSURE (PSIG)	264	308	353	397	449	501	553
		LIQUID TEMPERATURE (°F)	68	79	90	102	112	123	133
		LIQUID SUBCOOLING (°F)	19	19	17	14	13	11	8
		SUCTION PRESSURE (PSIG)	138	145	153	160	166	172	178
		SUCTION TEMPERATURE (°F)	72	73	74	75	73	72	71
		SUCTION SUPERHEAT (°F)	24	22	20	18	15	11	8
		OUTDOOR UNIT CURRENT (A)	7.7	8.5	9.4	10.2	11.0	11.8	12.6
		COMPRESSOR CURRENT (A)	6.7	7.6	8.4	9.3	10.1	10.9	11.7
		INDOOR COIL DB TEMP DROP (°F)	15	14	14	13	13	12	12

FOR USE WITH MODELS WITH TXV:

YCJD30S41S1
YCJD30S43S3
YCJD30S44S3
TCJD30S41S3
TCJD30S43S3
TCJD30S44S3
TCGD30S41S(1,3)
GCGD30S41S(1,3)
CCGD30S41Q3
RAC13J304S21
RAC13J304S31

YCJD30S41S1 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			
65	245(13)	250(14)	251(10)	254(4)
70	264(13)	269(14)	269(11)	273(5)
75	285(13)	289(14)	289(11)	292(6)
80	307(14)	310(14)	310(12)	313(7)
85	330(14)	333(14)	333(12)	335(8)
90	355(14)	356(14)	356(12)	359(9)
95	380(14)	380(14)	381(13)	384(10)
100	407(15)	405(14)	407(13)	410(11)
105	435(15)	432(14)	435(13)	437(11)
110	464(15)	459(14)	463(14)	466(12)
115	494(15)	487(13)	493(14)	495(13)
120	526(15)	516(13)	524(14)	527(13)
125	559(15)	547(13)	557(14)	559(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.

YCJD30S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD30S41S1	35	107	30.2	2.04	27.3	2.17	24.6	2.30	21.9	2.40	19.1	2.49	16.3	2.55	13.5	2.56
	40	118	33.6	2.06	30.6	2.21	27.7	2.35	24.9	2.47	22.0	2.58	19.0	2.66	15.9	2.70
	45	130	37.2	2.07	34.0	2.23	31.0	2.39	28.0	2.53	25.0	2.66	21.8	2.77	18.5	2.83
	50	142	41.0	2.06	37.6	2.25	34.4	2.42	31.1	2.58	27.9	2.73	24.8	2.86	21.3	2.95
	55	156	45.0	2.04	41.3	2.25	37.8	2.45	34.5	2.62	31.1	2.79	27.8	2.81	24.2	3.05

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCD30S41S1 (TXV) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1600	LIQUID PRESSURE (PSIG)	255	290	331	380	436	499	569
		LIQUID TEMPERATURE (°F)	70	79	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	15	15	15	15	16	17	18
		SUCTION PRESSURE (PSIG)	102	109	115	120	125	130	134
		SUCTION TEMPERATURE (°F)	52	53	54	56	58	62	66
		SUCTION SUPERHEAT (°F)	20	17	16	15	15	17	19
		OUTDOOR UNIT CURRENT (A)	7.5	8.1	8.8	9.5	10.2	10.9	11.6
		COMPRESSOR CURRENT (A)	6.5	7.2	7.9	8.6	9.3	10.0	10.7
		INDOOR COIL TEMP DROP (°F)	24	24	24	24	23	22	21
	1800	LIQUID PRESSURE (PSIG)	254	289	330	379	435	498	568
		LIQUID TEMPERATURE (°F)	71	79	89	99	108	117	127
		LIQUID SUBCOOLING (°F)	14	14	14	14	15	16	17
		SUCTION PRESSURE (PSIG)	107	114	120	125	130	135	139
		SUCTION TEMPERATURE (°F)	55	55	57	58	60	64	68
		SUCTION SUPERHEAT (°F)	20	17	16	15	15	17	19
		OUTDOOR UNIT CURRENT (A)	7.6	8.2	8.9	9.6	10.3	11.0	11.7
		COMPRESSOR CURRENT (A)	6.6	7.3	8.0	8.7	9.4	10.1	10.8
		INDOOR COIL TEMP DROP (°F)	22	22	22	22	21	20	19
	2000	LIQUID PRESSURE (PSIG)	253	288	329	378	434	497	567
		LIQUID TEMPERATURE (°F)	72	80	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	13	13	13	13	14	15	16
		SUCTION PRESSURE (PSIG)	112	119	125	130	135	140	144
		SUCTION TEMPERATURE (°F)	57	57	59	60	62	66	69
		SUCTION SUPERHEAT (°F)	20	17	16	15	15	17	19
		OUTDOOR UNIT CURRENT (A)	7.7	8.3	9.0	9.7	10.4	11.1	11.8
		COMPRESSOR CURRENT (A)	6.7	7.4	8.1	8.8	9.5	10.2	10.9
		INDOOR COIL TEMP DROP (°F)	20	20	20	20	19	18	17
80/57	1600	LIQUID PRESSURE (PSIG)	246	286	331	381	436	495	560
		LIQUID TEMPERATURE (°F)	69	79	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	14	14	15	15	16	16	16
		SUCTION PRESSURE (PSIG)	93	100	107	115	122	130	137
		SUCTION TEMPERATURE (°F)	48	50	52	55	59	62	67
		SUCTION SUPERHEAT (°F)	20	19	17	17	17	17	19
		OUTDOOR UNIT CURRENT (A)	7.3	7.9	8.6	9.4	10.1	10.9	11.7
		COMPRESSOR CURRENT (A)	6.3	7.0	7.7	8.4	9.2	10.0	10.8
		INDOOR COIL TEMP DROP (°F)	33	33	32	31	30	28	26
	1800	LIQUID PRESSURE (PSIG)	245	285	330	380	435	494	559
		LIQUID TEMPERATURE (°F)	69	79	89	99	108	118	128
		LIQUID SUBCOOLING (°F)	13	13	14	14	15	15	15
		SUCTION PRESSURE (PSIG)	101	108	115	123	130	138	145
		SUCTION TEMPERATURE (°F)	52	54	55	59	62	65	70
		SUCTION SUPERHEAT (°F)	20	19	17	17	17	17	19
		OUTDOOR UNIT CURRENT (A)	7.5	8.1	8.8	9.6	10.3	11.1	11.9
		COMPRESSOR CURRENT (A)	6.5	7.2	7.9	8.6	9.4	10.2	11.0
		INDOOR COIL TEMP DROP (°F)	29	29	28	27	26	24	22
	2000	LIQUID PRESSURE (PSIG)	244	284	329	379	434	493	558
		LIQUID TEMPERATURE (°F)	70	80	89	100	109	119	128
		LIQUID SUBCOOLING (°F)	12	12	13	13	14	14	14
		SUCTION PRESSURE (PSIG)	109	116	123	131	138	146	153
		SUCTION TEMPERATURE (°F)	56	58	59	62	65	68	73
		SUCTION SUPERHEAT (°F)	20	19	17	17	17	17	19
		OUTDOOR UNIT CURRENT (A)	7.7	8.3	9.0	9.8	10.5	11.3	12.1
		COMPRESSOR CURRENT (A)	6.7	7.4	8.1	8.8	9.6	10.4	11.2
		INDOOR COIL TEMP DROP (°F)	25	25	24	23	22	20	18

Continued on next page.

YCJD30S41S1 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1600	LIQUID PRESSURE (PSIG)	248	287	331	378	430	485	545
		LIQUID TEMPERATURE (°F)	68	78	88	97	107	117	126
		LIQUID SUBCOOLING (°F)	15	15	15	15	15	14	14
		SUCTION PRESSURE (PSIG)	104	109	114	119	125	131	137
		SUCTION TEMPERATURE (°F)	54	55	56	57	61	64	69
		SUCTION SUPERHEAT (°F)	21	19	18	17	18	19	21
		OUTDOOR UNIT CURRENT (A)	7.5	8.2	8.8	9.5	10.2	11.0	11.7
		COMPRESSOR CURRENT (A)	6.6	7.2	7.9	8.6	9.3	10.1	10.8
		INDOOR COIL TEMP DROP (°F)	29	29	29	28	27	26	25
	1800	LIQUID PRESSURE (PSIG)	250	289	333	380	432	487	547
		LIQUID TEMPERATURE (°F)	70	79	89	99	108	119	128
		LIQUID SUBCOOLING (°F)	14	14	14	14	14	13	13
		SUCTION PRESSURE (PSIG)	111	116	121	126	132	138	144
		SUCTION TEMPERATURE (°F)	57	57	58	59	63	66	70
		SUCTION SUPERHEAT (°F)	20	18	17	16	17	18	20
		OUTDOOR UNIT CURRENT (A)	7.6	8.3	8.9	9.6	10.3	11.1	11.8
		COMPRESSOR CURRENT (A)	6.7	7.3	8.0	8.7	9.4	10.2	10.9
		INDOOR COIL TEMP DROP (°F)	26	26	26	25	24	23	22
	2000	LIQUID PRESSURE (PSIG)	252	291	335	382	434	489	549
		LIQUID TEMPERATURE (°F)	71	81	91	100	110	120	129
		LIQUID SUBCOOLING (°F)	13	13	13	13	13	12	12
		SUCTION PRESSURE (PSIG)	118	123	128	133	139	145	151
		SUCTION TEMPERATURE (°F)	59	59	60	61	65	68	72
		SUCTION SUPERHEAT (°F)	19	17	16	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	7.7	8.4	9.0	9.7	10.4	11.2	11.9
		COMPRESSOR CURRENT (A)	6.8	7.4	8.1	8.8	9.5	10.3	11.0
		INDOOR COIL TEMP DROP (°F)	23	23	23	22	21	20	19
80/67	1600	LIQUID PRESSURE (PSIG)	251	289	333	381	435	493	557
		LIQUID TEMPERATURE (°F)	72	80	89	98	108	117	126
		LIQUID SUBCOOLING (°F)	12	13	14	15	15	16	16
		SUCTION PRESSURE (PSIG)	117	121	125	129	134	139	145
		SUCTION TEMPERATURE (°F)	59	58	58	58	61	65	69
		SUCTION SUPERHEAT (°F)	20	17	15	14	14	16	18
		OUTDOOR UNIT CURRENT (A)	7.5	8.2	9.0	9.7	10.5	11.2	11.9
		COMPRESSOR CURRENT (A)	6.5	7.3	8.0	8.8	9.5	10.3	11.0
		INDOOR COIL TEMP DROP (°F)	25	25	24	23	23	22	21
	1800	LIQUID PRESSURE (PSIG)	251	289	333	381	435	493	557
		LIQUID TEMPERATURE (°F)	74	82	91	100	110	119	128
		LIQUID SUBCOOLING (°F)	10	11	12	13	13	14	14
		SUCTION PRESSURE (PSIG)	123	127	131	135	140	145	151
		SUCTION TEMPERATURE (°F)	62	61	60	61	63	67	71
		SUCTION SUPERHEAT (°F)	20	17	15	14	14	16	18
		OUTDOOR UNIT CURRENT (A)	7.6	8.3	9.1	9.8	10.6	11.3	12.0
		COMPRESSOR CURRENT (A)	6.6	7.4	8.1	8.9	9.6	10.4	11.1
		INDOOR COIL TEMP DROP (°F)	23	23	22	21	21	20	19
	2000	LIQUID PRESSURE (PSIG)	251	289	333	381	435	493	557
		LIQUID TEMPERATURE (°F)	76	84	93	102	112	121	130
		LIQUID SUBCOOLING (°F)	8	9	10	11	11	12	12
		SUCTION PRESSURE (PSIG)	129	133	137	141	146	151	157
		SUCTION TEMPERATURE (°F)	64	63	63	63	65	69	73
		SUCTION SUPERHEAT (°F)	20	17	15	14	14	16	18
		OUTDOOR UNIT CURRENT (A)	7.7	8.4	9.2	9.9	10.7	11.4	12.1
		COMPRESSOR CURRENT (A)	6.7	7.5	8.2	9.0	9.7	10.5	11.2
		INDOOR COIL TEMP DROP (°F)	21	21	20	19	19	18	17

Continued on next page.

YCJD30S41S1 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1600	LIQUID PRESSURE (PSIG)	253	291	334	383	436	494	558
		LIQUID TEMPERATURE (°F)	80	87	94	102	111	119	128
		LIQUID SUBCOOLING (°F)	5	7	9	11	12	14	14
		SUCTION PRESSURE (PSIG)	131	134	138	142	147	152	158
		SUCTION TEMPERATURE (°F)	64	64	63	64	66	68	72
		SUCTION SUPERHEAT (°F)	19	17	15	14	14	15	16
		OUTDOOR UNIT CURRENT (A)	7.4	8.3	9.1	9.9	10.7	11.6	12.4
		COMPRESSOR CURRENT (A)	6.5	7.3	8.1	9.0	9.8	10.6	11.5
		INDOOR COIL TEMP DROP (°F)	21	20	20	19	18	17	16
	1800	LIQUID PRESSURE (PSIG)	254	292	335	384	437	495	559
		LIQUID TEMPERATURE (°F)	81	88	96	104	112	120	130
		LIQUID SUBCOOLING (°F)	4	6	8	10	11	13	13
		SUCTION PRESSURE (PSIG)	136	139	143	147	152	157	163
		SUCTION TEMPERATURE (°F)	66	66	65	66	67	70	73
		SUCTION SUPERHEAT (°F)	19	17	15	14	14	15	16
		OUTDOOR UNIT CURRENT (A)	7.5	8.4	9.2	10.0	10.8	11.7	12.5
		COMPRESSOR CURRENT (A)	6.6	7.4	8.2	9.1	9.9	10.7	11.6
		INDOOR COIL TEMP DROP (°F)	19	18	18	17	16	15	14
	2000	LIQUID PRESSURE (PSIG)	255	293	336	385	438	496	560
		LIQUID TEMPERATURE (°F)	82	89	97	105	113	121	131
		LIQUID SUBCOOLING (°F)	3	5	7	9	10	12	12
		SUCTION PRESSURE (PSIG)	141	144	148	152	157	162	168
		SUCTION TEMPERATURE (°F)	68	67	67	67	69	72	75
		SUCTION SUPERHEAT (°F)	19	17	15	14	14	15	16
		OUTDOOR UNIT CURRENT (A)	7.6	8.5	9.3	10.1	10.9	11.8	12.6
		COMPRESSOR CURRENT (A)	6.7	7.5	8.3	9.2	10.0	10.8	11.7
		INDOOR COIL TEMP DROP (°F)	17	16	16	15	14	13	12

FOR USE WITH MODELS WITH ORIFICE:

YCJD36S41S1
YCJD36S43S3
YCJD36S44S3
TCJD36S41S3
TCJD36S43S3
TCJD36S44S3
TCGD36S41S(1,3)
GCGD36S41S(1,3)
CCGD36S41Q3
RAC13J364S21
RAC13J364S31

YCJD36S41S1 SUPERHEAT CHARGING CHART																
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE															
	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162
	TEMPERATURE (°F) AT SUCTION BASE VALVE															
65	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
70	67	70	74	..	..	..	..	..	..	..	..	..	..	..	..	..
75	62	65	69	73	..	..	..	..	..	..	..	..	..	..	..	..
80	..	..	64	67	71	74	..	..	..	..	..	..	..	..	..	..
85	..	..	..	62	66	70	73	..	..	..	..	..	..	..	..	..
90	..	..	..	..	61	64	68	71	74	..	..	..	..	..	..	..
95	..	..	..	..	..	..	64	67	70	73	..	..	..	..	..	..
100	..	..	..	..	..	..	..	62	65	69	72	..	..	..	..	..
105	..	..	..	..	..	..	..	..	61	65	68	71	74	..	..	..
110	..	..	..	..	..	..	..	..	..	61	65	68	71	74	..	..
115	..	..	..	..	..	..	..	..	..	..	64	67	70	73	..	..
120	..	..	..	..	..	..	..	..	..	..	..	63	66	70	73	..
125	..	..	..	..	..	..	..	..	..	..	..	..	62	65	69	..

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

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

YCJD36S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD36S41S1	35	107	36.3	2.46	33.1	2.63	29.9	2.79	26.7	2.94	23.5	3.06	20.2	3.14	16.9	3.17
	40	118	40.7	2.47	37.2	2.65	33.8	2.84	30.3	3.00	26.9	3.16	23.4	3.27	19.8	3.33
	45	130	45.2	2.46	41.5	2.66	37.9	2.87	34.2	3.06	30.5	3.24	26.8	3.39	23.0	3.48
	50	142	50.0	2.45	46.0	2.67	42.2	2.88	38.3	3.09	34.3	3.30	30.4	3.48	26.4	3.61
	55	156	54.9	2.42	50.7	2.65	46.6	2.89	42.5	3.11	38.4	3.34	34.2	3.55	29.9	3.72

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJD36S41S1 (ORIFICE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	229	272	315	358	410	463	515
		LIQUID TEMPERATURE (°F)	68	79	90	101	112	123	134
		LIQUID SUBCOOLING (°F)	10	10	9	7	6	5	2
		SUCTION PRESSURE (PSIG)	112	119	126	132	138	143	148
		SUCTION TEMPERATURE (°F)	61	59	57	55	56	57	58
		SUCTION SUPERHEAT (°F)	24	19	14	9	8	7	6
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.7	11.5	12.3	13.1	13.9
		COMPRESSOR CURRENT (A)	7.6	8.5	9.4	10.3	11.1	11.9	12.7
		INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	21	19	18
	1200	LIQUID PRESSURE (PSIG)	232	275	317	360	413	466	519
		LIQUID TEMPERATURE (°F)	67	79	90	102	112	123	134
		LIQUID SUBCOOLING (°F)	11	11	10	7	7	5	3
		SUCTION PRESSURE (PSIG)	114	121	128	135	140	146	152
		SUCTION TEMPERATURE (°F)	63	62	60	58	59	59	60
		SUCTION SUPERHEAT (°F)	25	20	16	11	10	8	6
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.7	11.6	12.4	13.3	14.1
		COMPRESSOR CURRENT (A)	7.7	8.6	9.5	10.4	11.2	12.1	12.9
		INDOOR COIL DB TEMP DROP (°F)	21	21	21	20	19	18	16
	1400	LIQUID PRESSURE (PSIG)	235	277	319	362	415	468	522
		LIQUID TEMPERATURE (°F)	67	79	90	102	112	123	133
		LIQUID SUBCOOLING (°F)	12	12	10	8	7	6	4
		SUCTION PRESSURE (PSIG)	116	123	130	137	143	149	156
		SUCTION TEMPERATURE (°F)	65	64	63	61	61	61	61
		SUCTION SUPERHEAT (°F)	26	22	18	14	11	9	7
		OUTDOOR UNIT CURRENT (A)	9.0	9.9	10.8	11.6	12.5	13.4	14.3
		COMPRESSOR CURRENT (A)	7.7	8.6	9.5	10.4	11.3	12.2	13.1
		INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	17	16	15
80/57	1000	LIQUID PRESSURE (PSIG)	225	269	313	357	411	465	519
		LIQUID TEMPERATURE (°F)	67	79	90	101	112	122	133
		LIQUID SUBCOOLING (°F)	10	10	9	7	7	6	4
		SUCTION PRESSURE (PSIG)	108	116	124	132	139	146	154
		SUCTION TEMPERATURE (°F)	59	56	54	52	55	57	60
		SUCTION SUPERHEAT (°F)	23	18	12	7	6	6	5
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.6	11.5	12.4	13.3	14.2
		COMPRESSOR CURRENT (A)	7.6	8.5	9.4	10.3	11.2	12.1	13.0
		INDOOR COIL DB TEMP DROP (°F)	31	30	28	27	25	23	20
	1200	LIQUID PRESSURE (PSIG)	229	273	317	361	415	469	523
		LIQUID TEMPERATURE (°F)	67	79	90	101	112	122	133
		LIQUID SUBCOOLING (°F)	11	11	10	8	8	6	4
		SUCTION PRESSURE (PSIG)	112	120	128	136	143	151	158
		SUCTION TEMPERATURE (°F)	63	61	59	57	59	60	61
		SUCTION SUPERHEAT (°F)	26	20	15	10	9	7	6
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.7	11.6	12.5	13.5	14.4
		COMPRESSOR CURRENT (A)	7.6	8.5	9.5	10.4	11.3	12.2	13.2
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	22	21	19
	1400	LIQUID PRESSURE (PSIG)	233	277	320	364	418	473	527
		LIQUID TEMPERATURE (°F)	68	79	90	101	112	122	133
		LIQUID SUBCOOLING (°F)	11	12	11	9	8	7	5
		SUCTION PRESSURE (PSIG)	115	123	132	140	148	155	163
		SUCTION TEMPERATURE (°F)	67	65	64	63	63	63	63
		SUCTION SUPERHEAT (°F)	28	23	19	14	11	8	6
		OUTDOOR UNIT CURRENT (A)	8.9	9.9	10.8	11.7	12.7	13.6	14.6
		COMPRESSOR CURRENT (A)	7.7	8.6	9.6	10.5	11.5	12.4	13.4
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	18	17

Continued on next page.

YCJD36S41S1 (ORIFICE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1000	LIQUID PRESSURE (PSIG)	230	273	316	358	413	467	522
		LIQUID TEMPERATURE (°F)	67	79	90	102	112	123	133
		LIQUID SUBCOOLING (°F)	11	11	9	7	7	6	4
		SUCTION PRESSURE (PSIG)	113	120	126	133	140	147	154
		SUCTION TEMPERATURE (°F)	64	63	61	60	60	60	61
		SUCTION SUPERHEAT (°F)	27	22	18	14	11	9	6
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.7	11.6	12.4	13.3	14.2
		COMPRESSOR CURRENT (A)	7.6	8.5	9.4	10.3	11.2	12.1	13.0
		INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	24	22	20
	1200	LIQUID PRESSURE (PSIG)	232	275	318	362	416	470	525
		LIQUID TEMPERATURE (°F)	67	79	90	101	112	122	133
		LIQUID SUBCOOLING (°F)	12	12	10	8	8	6	4
		SUCTION PRESSURE (PSIG)	115	122	129	136	144	151	159
		SUCTION TEMPERATURE (°F)	66	65	65	65	64	63	62
		SUCTION SUPERHEAT (°F)	27	24	21	17	14	10	7
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.7	11.7	12.6	13.5	14.4
		COMPRESSOR CURRENT (A)	7.7	8.6	9.5	10.4	11.4	12.3	13.2
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	24	22	20	18
	1400	LIQUID PRESSURE (PSIG)	234	278	321	365	419	474	528
		LIQUID TEMPERATURE (°F)	67	78	89	100	111	122	133
		LIQUID SUBCOOLING (°F)	12	12	11	9	9	7	5
		SUCTION PRESSURE (PSIG)	117	125	132	140	148	155	163
		SUCTION TEMPERATURE (°F)	67	68	69	70	68	66	64
		SUCTION SUPERHEAT (°F)	28	25	23	21	16	11	7
		OUTDOOR UNIT CURRENT (A)	9.0	9.9	10.8	11.7	12.7	13.7	14.6
		COMPRESSOR CURRENT (A)	7.7	8.6	9.6	10.5	11.5	12.4	13.4
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	20	18	17
80/67	1000	LIQUID PRESSURE (PSIG)	236	278	321	363	416	469	523
		LIQUID TEMPERATURE (°F)	67	78	90	101	111	122	133
		LIQUID SUBCOOLING (°F)	13	12	11	9	8	7	4
		SUCTION PRESSURE (PSIG)	117	125	132	140	145	151	157
		SUCTION TEMPERATURE (°F)	67	68	70	71	68	65	62
		SUCTION SUPERHEAT (°F)	27	26	24	22	17	12	7
		OUTDOOR UNIT CURRENT (A)	9.0	9.9	10.8	11.7	12.6	13.5	14.4
		COMPRESSOR CURRENT (A)	7.7	8.7	9.6	10.5	11.4	12.3	13.2
		INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	21	20	19
	1200	LIQUID PRESSURE (PSIG)	238	281	323	366	419	471	525
		LIQUID TEMPERATURE (°F)	67	78	89	100	111	122	133
		LIQUID SUBCOOLING (°F)	13	13	12	10	9	7	5
		SUCTION PRESSURE (PSIG)	120	127	134	142	148	154	160
		SUCTION TEMPERATURE (°F)	68	70	72	73	70	67	63
		SUCTION SUPERHEAT (°F)	28	26	25	24	18	13	7
		OUTDOOR UNIT CURRENT (A)	9.0	10.0	10.9	11.8	12.7	13.6	14.5
		COMPRESSOR CURRENT (A)	7.8	8.7	9.6	10.6	11.5	12.4	13.3
		INDOOR COIL DB TEMP DROP (°F)	20	20	20	20	19	18	17
	1400	LIQUID PRESSURE (PSIG)	241	283	325	368	421	474	527
		LIQUID TEMPERATURE (°F)	68	78	89	100	111	121	132
		LIQUID SUBCOOLING (°F)	14	14	12	10	10	8	5
		SUCTION PRESSURE (PSIG)	122	129	137	144	150	156	162
		SUCTION TEMPERATURE (°F)	70	72	74	75	72	68	65
		SUCTION SUPERHEAT (°F)	28	27	26	25	19	13	7
		OUTDOOR UNIT CURRENT (A)	9.1	10.0	10.9	11.9	12.8	13.7	14.6
		COMPRESSOR CURRENT (A)	7.8	8.8	9.7	10.6	11.5	12.5	13.4
		INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	17	17	16

Continued on next page.

YCJD36S41S1 (ORIFICE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1000	LIQUID PRESSURE (PSIG)	238	282	326	371	424	478	531
		LIQUID TEMPERATURE (°F)	68	79	89	100	111	122	133
		LIQUID SUBCOOLING (°F)	13	13	12	11	10	8	6
		SUCTION PRESSURE (PSIG)	120	129	137	146	153	161	169
		SUCTION TEMPERATURE (°F)	73	73	73	72	72	72	72
		SUCTION SUPERHEAT (°F)	33	29	25	21	18	16	13
		OUTDOOR UNIT CURRENT (A)	9.0	10.0	11.0	11.9	12.9	13.9	14.9
		COMPRESSOR CURRENT (A)	7.7	8.7	9.7	10.7	11.7	12.7	13.7
		INDOOR COIL DB TEMP DROP (°F)	17	17	17	17	16	15	14
	1200	LIQUID PRESSURE (PSIG)	240	284	329	373	426	480	533
		LIQUID TEMPERATURE (°F)	68	79	89	100	111	122	132
		LIQUID SUBCOOLING (°F)	13	14	13	11	10	9	6
		SUCTION PRESSURE (PSIG)	122	130	139	148	156	163	171
		SUCTION TEMPERATURE (°F)	74	74	74	74	74	74	75
		SUCTION SUPERHEAT (°F)	33	29	25	22	19	17	15
		OUTDOOR UNIT CURRENT (A)	9.1	10.0	11.0	12.0	13.0	14.0	15.0
		COMPRESSOR CURRENT (A)	7.8	8.8	9.8	10.8	11.8	12.8	13.8
		INDOOR COIL DB TEMP DROP (°F)	15	15	15	15	14	14	13
	1400	LIQUID PRESSURE (PSIG)	243	287	331	375	428	482	535
		LIQUID TEMPERATURE (°F)	68	79	89	100	111	121	132
		LIQUID SUBCOOLING (°F)	14	14	13	12	11	9	7
		SUCTION PRESSURE (PSIG)	123	132	141	150	158	165	173
		SUCTION TEMPERATURE (°F)	75	75	75	75	76	76	77
		SUCTION SUPERHEAT (°F)	33	29	26	22	20	18	16
		OUTDOOR UNIT CURRENT (A)	9.1	10.1	11.1	12.0	13.1	14.1	15.1
		COMPRESSOR CURRENT (A)	7.9	8.8	9.8	10.8	11.8	12.9	13.9
		INDOOR COIL DB TEMP DROP (°F)	13	13	13	13	13	13	12

FOR USE WITH MODELS WITH TXV:

YCJD36S41S1
YCJD36S43S3
YCJD36S44S3
TCJD36S41S3
TCJD36S43S3
TCJD36S44S3
TCGD36S41S(1,3)
GCGD36S41S(1,3)
CCGD36S41Q3
RAC13J364S21
RAC13J364S31

YCJD36S41S1 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			
65	232(6)	225(3)	229(1)	230(1)
70	251(8)	247(5)	249(2)	251(2)
75	272(9)	269(7)	270(4)	272(3)
80	295(10)	293(8)	292(5)	295(4)
85	319(11)	319(10)	315(6)	318(5)
90	345(12)	345(11)	340(7)	343(6)
95	373(12)	373(12)	366(8)	368(7)
100	402(13)	402(13)	393(9)	395(7)
105	433(14)	433(14)	421(10)	422(8)
110	465(14)	464(15)	450(10)	451(9)
115	499(15)	497(15)	481(11)	480(9)
120	535(15)	531(15)	513(11)	511(10)
125	572(16)	567(15)	546(12)	543(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.

YCJD36S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD36S41S1	35	107	36.3	2.46	33.1	2.63	29.9	2.79	26.7	2.94	23.5	3.06	20.2	3.14	16.9	3.17
	40	118	40.7	2.47	37.2	2.65	33.8	2.84	30.3	3.00	26.9	3.16	23.4	3.27	19.8	3.33
	45	130	45.2	2.46	41.5	2.66	37.9	2.87	34.2	3.06	30.5	3.24	26.8	3.39	23.0	3.48
	50	142	50.0	2.45	46.0	2.67	42.2	2.88	38.3	3.09	34.3	3.30	30.4	3.48	26.4	3.61
	55	156	54.9	2.42	50.7	2.65	46.6	2.89	42.5	3.11	38.4	3.34	34.2	3.55	29.9	3.72

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCD36S41S1 (TXV) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1600	LIQUID PRESSURE (PSIG)	236	275	321	375	436	505	580
		LIQUID TEMPERATURE (°F)	73	80	88	97	107	116	128
		LIQUID SUBCOOLING (°F)	7	10	13	15	16	18	18
		SUCTION PRESSURE (PSIG)	117	119	121	125	129	134	139
		SUCTION TEMPERATURE (°F)	54	60	64	68	70	72	72
		SUCTION SUPERHEAT (°F)	15	20	23	25	26	25	23
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.6	11.6	12.5	13.5	14.4
		COMPRESSOR CURRENT (A)	7.5	8.5	9.4	10.3	11.3	12.3	13.2
		INDOOR COIL TEMP DROP (°F)	23	22	21	20	19	18	17
	1800	LIQUID PRESSURE (PSIG)	232	271	317	371	432	501	576
		LIQUID TEMPERATURE (°F)	74	81	89	98	108	118	129
		LIQUID SUBCOOLING (°F)	5	8	11	13	14	16	16
		SUCTION PRESSURE (PSIG)	122	124	126	130	134	139	144
		SUCTION TEMPERATURE (°F)	56	61	65	69	72	73	72
		SUCTION SUPERHEAT (°F)	14	19	22	24	25	24	22
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.7	11.7	12.6	13.6	14.5
		COMPRESSOR CURRENT (A)	7.6	8.6	9.5	10.4	11.4	12.4	13.3
		INDOOR COIL TEMP DROP (°F)	22	21	20	19	18	17	16
	2000	LIQUID PRESSURE (PSIG)	228	267	313	367	428	497	572
		LIQUID TEMPERATURE (°F)	75	82	90	99	110	119	130
		LIQUID SUBCOOLING (°F)	3	6	9	11	12	14	14
		SUCTION PRESSURE (PSIG)	127	129	131	135	139	144	149
		SUCTION TEMPERATURE (°F)	57	62	66	70	73	73	73
		SUCTION SUPERHEAT (°F)	13	18	21	23	24	23	21
		OUTDOOR UNIT CURRENT (A)	9.0	9.9	10.8	11.8	12.7	13.7	14.6
		COMPRESSOR CURRENT (A)	7.7	8.7	9.6	10.5	11.5	12.5	13.4
		INDOOR COIL TEMP DROP (°F)	21	20	19	18	17	16	15
80/57	1600	LIQUID PRESSURE (PSIG)	240	280	327	381	441	507	580
		LIQUID TEMPERATURE (°F)	72	79	88	98	107	117	127
		LIQUID SUBCOOLING (°F)	9	12	14	15	17	18	19
		SUCTION PRESSURE (PSIG)	109	113	118	123	129	136	143
		SUCTION TEMPERATURE (°F)	63	61	60	61	63	67	72
		SUCTION SUPERHEAT (°F)	27	23	20	19	19	20	22
		OUTDOOR UNIT CURRENT (A)	8.7	9.7	10.6	11.6	12.6	13.6	14.7
		COMPRESSOR CURRENT (A)	7.5	8.4	9.4	10.4	11.4	12.4	13.5
		INDOOR COIL TEMP DROP (°F)	30	29	27	26	24	23	21
	1800	LIQUID PRESSURE (PSIG)	232	272	319	373	433	499	572
		LIQUID TEMPERATURE (°F)	73	80	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	6	9	11	12	14	15	16
		SUCTION PRESSURE (PSIG)	118	122	127	132	138	145	152
		SUCTION TEMPERATURE (°F)	64	62	61	62	64	68	72
		SUCTION SUPERHEAT (°F)	24	20	17	16	16	17	19
		OUTDOOR UNIT CURRENT (A)	8.8	9.8	10.7	11.7	12.7	13.7	14.8
		COMPRESSOR CURRENT (A)	7.6	8.5	9.5	10.5	11.5	12.5	13.6
		INDOOR COIL TEMP DROP (°F)	28	27	25	24	22	21	19
	2000	LIQUID PRESSURE (PSIG)	224	264	311	365	425	491	564
		LIQUID TEMPERATURE (°F)	74	81	90	101	110	120	130
		LIQUID SUBCOOLING (°F)	3	6	8	9	11	12	13
		SUCTION PRESSURE (PSIG)	127	131	136	141	147	154	161
		SUCTION TEMPERATURE (°F)	65	62	61	62	65	68	73
		SUCTION SUPERHEAT (°F)	21	17	14	13	13	14	16
		OUTDOOR UNIT CURRENT (A)	8.9	9.9	10.8	11.8	12.8	13.8	14.9
		COMPRESSOR CURRENT (A)	7.7	8.6	9.6	10.6	11.6	12.6	13.7
		INDOOR COIL TEMP DROP (°F)	26	25	23	22	20	19	17

Continued on next page.

YCJD36S41S1 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1600	LIQUID PRESSURE (PSIG)	232	276	326	380	440	504	574
		LIQUID TEMPERATURE (°F)	74	81	90	99	108	117	128
		LIQUID SUBCOOLING (°F)	5	9	12	14	16	17	17
		SUCTION PRESSURE (PSIG)	120	121	123	126	131	137	144
		SUCTION TEMPERATURE (°F)	57	61	65	67	70	72	73
		SUCTION SUPERHEAT (°F)	16	20	23	24	25	24	23
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.7	11.7	12.6	13.6	14.6
		COMPRESSOR CURRENT (A)	7.5	8.5	9.5	10.4	11.4	12.4	13.4
		INDOOR COIL TEMP DROP (°F)	30	28	27	25	24	22	21
	1800	LIQUID PRESSURE (PSIG)	225	269	319	373	433	497	567
		LIQUID TEMPERATURE (°F)	74	82	90	99	109	118	129
		LIQUID SUBCOOLING (°F)	3	7	10	12	14	15	15
		SUCTION PRESSURE (PSIG)	127	128	130	133	138	144	151
		SUCTION TEMPERATURE (°F)	58	62	66	68	71	72	74
		SUCTION SUPERHEAT (°F)	14	18	21	22	23	22	21
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.8	11.8	12.7	13.7	14.7
		COMPRESSOR CURRENT (A)	7.6	8.6	9.6	10.5	11.5	12.5	13.5
		INDOOR COIL TEMP DROP (°F)	28	26	25	23	22	20	19
	2000	LIQUID PRESSURE (PSIG)	218	262	312	366	426	490	560
		LIQUID TEMPERATURE (°F)	74	82	91	100	109	119	130
		LIQUID SUBCOOLING (°F)	1	5	8	10	12	13	13
		SUCTION PRESSURE (PSIG)	134	135	137	140	145	151	158
		SUCTION TEMPERATURE (°F)	59	63	67	69	72	73	75
		SUCTION SUPERHEAT (°F)	12	16	19	20	21	20	19
		OUTDOOR UNIT CURRENT (A)	9.0	9.9	10.9	11.9	12.8	13.8	14.8
		COMPRESSOR CURRENT (A)	7.7	8.7	9.7	10.6	11.6	12.6	13.6
		INDOOR COIL TEMP DROP (°F)	26	24	23	21	20	18	17
80/67	1600	LIQUID PRESSURE (PSIG)	229	270	315	366	421	481	546
		LIQUID TEMPERATURE (°F)	76	84	92	101	109	119	128
		LIQUID SUBCOOLING (°F)	2	5	7	9	11	12	13
		SUCTION PRESSURE (PSIG)	132	135	138	142	146	149	153
		SUCTION TEMPERATURE (°F)	62	64	65	69	71	74	78
		SUCTION SUPERHEAT (°F)	16	17	17	19	20	22	24
		OUTDOOR UNIT CURRENT (A)	8.7	9.7	10.8	11.8	12.7	13.6	14.5
		COMPRESSOR CURRENT (A)	7.4	8.5	9.5	10.5	11.5	12.4	13.3
		INDOOR COIL TEMP DROP (°F)	24	24	23	22	21	20	20
	1800	LIQUID PRESSURE (PSIG)	229	270	315	366	421	481	546
		LIQUID TEMPERATURE (°F)	77	85	93	102	110	120	129
		LIQUID SUBCOOLING (°F)	1	4	6	8	10	11	12
		SUCTION PRESSURE (PSIG)	135	138	141	145	149	152	156
		SUCTION TEMPERATURE (°F)	63	65	66	70	72	75	79
		SUCTION SUPERHEAT (°F)	16	17	17	19	20	22	24
		OUTDOOR UNIT CURRENT (A)	8.8	9.8	10.9	11.9	12.8	13.7	14.6
		COMPRESSOR CURRENT (A)	7.5	8.6	9.6	10.6	11.6	12.5	13.4
		INDOOR COIL TEMP DROP (°F)	22	22	21	20	19	18	18
	2000	LIQUID PRESSURE (PSIG)	229	270	315	366	421	481	546
		LIQUID TEMPERATURE (°F)	78	86	94	103	111	121	130
		LIQUID SUBCOOLING (°F)	0	3	5	7	9	10	11
		SUCTION PRESSURE (PSIG)	138	141	144	148	152	155	159
		SUCTION TEMPERATURE (°F)	64	66	67	71	73	77	80
		SUCTION SUPERHEAT (°F)	16	17	17	19	20	22	24
		OUTDOOR UNIT CURRENT (A)	8.9	9.9	11.0	12.0	12.9	13.8	14.7
		COMPRESSOR CURRENT (A)	7.6	8.7	9.7	10.7	11.7	12.6	13.5
		INDOOR COIL TEMP DROP (°F)	20	20	19	18	17	16	16

Continued on next page.

YCJD36S41S1 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1600	LIQUID PRESSURE (PSIG)	229	271	317	367	421	479	542
		LIQUID TEMPERATURE (°F)	77	86	95	103	112	121	130
		LIQUID SUBCOOLING (°F)	1	3	5	7	8	9	10
		SUCTION PRESSURE (PSIG)	139	143	148	152	156	161	166
		SUCTION TEMPERATURE (°F)	68	67	67	67	69	71	74
		SUCTION SUPERHEAT (°F)	19	17	15	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	8.7	9.8	10.9	11.9	13.0	14.0	15.0
		COMPRESSOR CURRENT (A)	7.4	8.6	9.6	10.7	11.8	12.8	13.8
		INDOOR COIL TEMP DROP (°F)	18	18	17	16	16	15	14
	1800	LIQUID PRESSURE (PSIG)	230	272	318	368	422	480	543
		LIQUID TEMPERATURE (°F)	77	86	95	103	113	121	130
		LIQUID SUBCOOLING (°F)	1	3	5	7	8	9	10
		SUCTION PRESSURE (PSIG)	142	146	151	155	159	164	169
		SUCTION TEMPERATURE (°F)	69	68	68	69	70	72	75
		SUCTION SUPERHEAT (°F)	19	17	15	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	8.8	9.9	11.0	12.0	13.1	14.1	15.1
		COMPRESSOR CURRENT (A)	7.5	8.7	9.7	10.8	11.9	12.9	13.9
		INDOOR COIL TEMP DROP (°F)	17	17	16	15	15	14	13
	2000	LIQUID PRESSURE (PSIG)	231	273	319	369	423	481	544
		LIQUID TEMPERATURE (°F)	78	87	95	104	113	122	130
		LIQUID SUBCOOLING (°F)	1	3	5	7	8	9	10
		SUCTION PRESSURE (PSIG)	145	149	154	158	162	167	172
		SUCTION TEMPERATURE (°F)	70	69	69	70	71	73	76
		SUCTION SUPERHEAT (°F)	19	17	15	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	8.9	10.0	11.1	12.1	13.2	14.2	15.2
		COMPRESSOR CURRENT (A)	7.6	8.8	9.8	10.9	12.0	13.0	14.0
		INDOOR COIL TEMP DROP (°F)	16	16	15	14	14	13	12

FOR USE WITH MODELS WITH ORIFICE:

YCJD42S41S2
YCJD42S43S4
YCJD42S44S4
TCJD42S41S4
TCJD42S43S4
TCJD42S44S4
TCGD42S41S4
GCGD42S41S4
CCGD42S41Q4
RAC13J424S21
RAC13J424S31

YCJD42S41S2 SUPERHEAT CHARGING CHART																
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE															
	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162
	TEMPERATURE (°F) AT SUCTION BASE VALVE															
65	59	63	67	70	73	..	..	..	..	..	..	..	..	..	..	..
70	53	58	62	66	69	72	..	..	..	..	..	..	..	..	..	..
75	..	52	57	61	65	68	71	..	..	..	..	..	..	..	..	..
80	..	..	51	56	60	63	67	70	..	..	..	..	..	..	..	..
85	..	..	..	50	55	59	63	66	69	..	..	..	..	..	..	..
90	..	..	..	..	49	53	57	61	64	67	70	..	..	..	..	..
95	..	..	..	..	..	48	52	56	60	64	67	69	..	..	..	..
100	..	..	..	..	..	..	50	53	57	60	63	66	69	..	..	..
105	..	..	..	..	..	..	..	51	54	57	60	63	66	69	..	..
110	..	..	..	..	..	..	..	..	53	55	57	60	63	65	68	..
115	..	..	..	..	..	..	..	..	..	54	56	58	60	62	65	68
120	..	..	..	..	..	..	..	..	..	54	55	56	58	60	62	65
125	..	..	..	..	..	..	..	..	..	..	56	56	57	58	60	62

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

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

YCJD42S41S2 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD42S41S2	35	107	42.9	2.86	39.4	3.09	36.0	3.30	32.6	3.48	29.2	3.64	25.7	3.76	22.1	3.85
	40	118	47.7	2.89	44.0	3.13	40.3	3.36	36.8	3.56	33.1	3.76	29.3	3.92	25.5	4.05
	45	130	52.9	2.91	48.7	3.18	44.9	3.42	41.0	3.64	37.2	3.86	33.1	4.06	29.1	4.22
	50	142	58.3	2.92	53.8	3.20	49.5	3.47	45.4	3.72	41.4	3.96	37.2	4.19	32.9	4.38
	55	156	63.9	2.93	59.2	3.23	54.5	3.52	50.1	3.78	45.6	4.06	41.4	4.31	36.8	4.53

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCD42S41S2 (ORIFICE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	229	272	315	358	411	463	516
		LIQUID TEMPERATURE (°F)	69	81	92	104	114	125	135
		LIQUID SUBCOOLING (°F)	9	9	7	4	4	3	1
		SUCTION PRESSURE (PSIG)	115	120	126	131	136	141	146
		SUCTION TEMPERATURE (°F)	53	51	49	47	50	53	55
		SUCTION SUPERHEAT (°F)	15	10	6	2	3	3	4
		OUTDOOR UNIT CURRENT (A)	10.8	11.8	12.9	13.9	14.9	16.0	17.0
		COMPRESSOR CURRENT (A)	9.6	10.7	11.7	12.8	13.8	14.9	15.9
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19
	1400	LIQUID PRESSURE (PSIG)	231	274	316	359	412	465	518
		LIQUID TEMPERATURE (°F)	68	80	92	103	114	125	135
		LIQUID SUBCOOLING (°F)	10	10	8	5	5	3	1
		SUCTION PRESSURE (PSIG)	117	122	128	134	139	144	149
		SUCTION TEMPERATURE (°F)	57	54	52	50	52	54	56
		SUCTION SUPERHEAT (°F)	18	13	8	4	4	4	4
		OUTDOOR UNIT CURRENT (A)	10.8	11.8	12.9	14.0	15.0	16.1	17.1
		COMPRESSOR CURRENT (A)	9.6	10.7	11.8	12.9	13.9	15.0	16.0
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1600	LIQUID PRESSURE (PSIG)	232	275	318	361	414	467	521
		LIQUID TEMPERATURE (°F)	68	79	91	103	113	124	135
		LIQUID SUBCOOLING (°F)	11	11	9	6	6	4	2
		SUCTION PRESSURE (PSIG)	118	124	130	136	141	146	151
		SUCTION TEMPERATURE (°F)	60	58	55	53	54	56	57
		SUCTION SUPERHEAT (°F)	21	15	10	6	5	4	4
		OUTDOOR UNIT CURRENT (A)	10.8	11.9	13.0	14.1	15.1	16.2	17.3
		COMPRESSOR CURRENT (A)	9.6	10.7	11.8	12.9	14.0	15.1	16.2
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	20	19	18	17
80/57	1200	LIQUID PRESSURE (PSIG)	226	271	315	359	413	467	520
		LIQUID TEMPERATURE (°F)	71	82	93	104	114	124	135
		LIQUID SUBCOOLING (°F)	7	7	6	5	5	4	2
		SUCTION PRESSURE (PSIG)	111	118	124	131	138	145	152
		SUCTION TEMPERATURE (°F)	50	49	48	47	50	54	57
		SUCTION SUPERHEAT (°F)	14	10	6	2	2	3	4
		OUTDOOR UNIT CURRENT (A)	10.7	11.8	12.8	13.9	15.1	16.2	17.3
		COMPRESSOR CURRENT (A)	9.5	10.6	11.7	12.8	14.0	15.1	16.2
		INDOOR COIL DB TEMP DROP (°F)	33	31	30	28	26	24	22
	1400	LIQUID PRESSURE (PSIG)	228	273	317	362	416	469	523
		LIQUID TEMPERATURE (°F)	69	81	92	104	114	124	134
		LIQUID SUBCOOLING (°F)	8	9	8	6	6	5	3
		SUCTION PRESSURE (PSIG)	114	121	128	135	142	149	156
		SUCTION TEMPERATURE (°F)	56	55	54	52	54	57	59
		SUCTION SUPERHEAT (°F)	18	14	10	5	5	4	4
		OUTDOOR UNIT CURRENT (A)	10.7	11.8	12.9	14.1	15.2	16.3	17.5
		COMPRESSOR CURRENT (A)	9.5	10.7	11.8	13.0	14.1	15.3	16.4
		INDOOR COIL DB TEMP DROP (°F)	30	28	27	26	24	22	20
	1600	LIQUID PRESSURE (PSIG)	230	275	320	365	418	472	525
		LIQUID TEMPERATURE (°F)	68	80	92	103	114	124	134
		LIQUID SUBCOOLING (°F)	10	10	9	7	6	5	4
		SUCTION PRESSURE (PSIG)	118	125	132	139	146	153	160
		SUCTION TEMPERATURE (°F)	63	61	59	58	59	59	60
		SUCTION SUPERHEAT (°F)	23	18	14	9	7	6	4
		OUTDOOR UNIT CURRENT (A)	10.7	11.8	13.0	14.2	15.4	16.5	17.7
		COMPRESSOR CURRENT (A)	9.5	10.7	11.9	13.1	14.3	15.4	16.6
		INDOOR COIL DB TEMP DROP (°F)	27	26	24	23	22	20	19

Continued on next page.

YCJD42S41S2 (ORIFICE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1200	LIQUID PRESSURE (PSIG)	229	272	315	358	412	466	519
		LIQUID TEMPERATURE (°F)	69	81	92	104	114	125	135
		LIQUID SUBCOOLING (°F)	9	9	7	4	4	4	2
		SUCTION PRESSURE (PSIG)	115	121	126	132	138	144	151
		SUCTION TEMPERATURE (°F)	56	53	50	47	51	54	57
		SUCTION SUPERHEAT (°F)	18	12	7	2	2	3	4
		OUTDOOR UNIT CURRENT (A)	10.8	11.8	12.9	13.9	15.0	16.2	17.3
		COMPRESSOR CURRENT (A)	9.6	10.7	11.7	12.8	13.9	15.1	16.2
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	22
	1400	LIQUID PRESSURE (PSIG)	231	274	317	360	414	468	522
		LIQUID TEMPERATURE (°F)	68	80	92	104	114	124	134
		LIQUID SUBCOOLING (°F)	10	10	8	5	5	4	3
		SUCTION PRESSURE (PSIG)	118	123	129	134	141	148	155
		SUCTION TEMPERATURE (°F)	61	57	54	50	53	56	58
		SUCTION SUPERHEAT (°F)	21	15	9	4	4	4	4
		OUTDOOR UNIT CURRENT (A)	10.8	11.9	12.9	14.0	15.2	16.3	17.5
		COMPRESSOR CURRENT (A)	9.6	10.7	11.8	12.9	14.1	15.2	16.4
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	25	23	22	21
	1600	LIQUID PRESSURE (PSIG)	233	276	319	361	416	470	525
		LIQUID TEMPERATURE (°F)	68	80	92	103	113	124	134
		LIQUID SUBCOOLING (°F)	11	10	9	6	6	5	3
		SUCTION PRESSURE (PSIG)	120	125	131	137	144	152	159
		SUCTION TEMPERATURE (°F)	65	61	57	53	55	57	60
		SUCTION SUPERHEAT (°F)	24	18	12	6	5	4	3
		OUTDOOR UNIT CURRENT (A)	10.8	11.9	13.0	14.1	15.3	16.5	17.7
		COMPRESSOR CURRENT (A)	9.7	10.8	11.9	13.0	14.2	15.4	16.6
		INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	22	20	19
80/67	1200	LIQUID PRESSURE (PSIG)	232	276	320	365	418	471	524
		LIQUID TEMPERATURE (°F)	67	79	91	102	113	124	134
		LIQUID SUBCOOLING (°F)	12	11	10	7	7	5	3
		SUCTION PRESSURE (PSIG)	120	127	133	140	145	150	155
		SUCTION TEMPERATURE (°F)	63	62	61	60	60	59	59
		SUCTION SUPERHEAT (°F)	22	18	15	11	9	7	4
		OUTDOOR UNIT CURRENT (A)	10.8	11.9	13.1	14.2	15.3	16.4	17.5
		COMPRESSOR CURRENT (A)	9.6	10.8	12.0	13.1	14.2	15.3	16.4
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	19
	1400	LIQUID PRESSURE (PSIG)	234	278	322	366	419	472	525
		LIQUID TEMPERATURE (°F)	67	79	90	102	113	123	134
		LIQUID SUBCOOLING (°F)	12	12	11	8	7	6	3
		SUCTION PRESSURE (PSIG)	122	129	135	142	147	152	157
		SUCTION TEMPERATURE (°F)	66	65	63	62	61	60	60
		SUCTION SUPERHEAT (°F)	24	20	16	13	10	7	4
		OUTDOOR UNIT CURRENT (A)	10.8	12.0	13.1	14.3	15.4	16.5	17.6
		COMPRESSOR CURRENT (A)	9.7	10.8	12.0	13.2	14.3	15.4	16.5
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	21	20	19	18
	1600	LIQUID PRESSURE (PSIG)	236	280	324	368	420	473	526
		LIQUID TEMPERATURE (°F)	67	79	90	102	112	123	134
		LIQUID SUBCOOLING (°F)	13	12	11	9	8	6	4
		SUCTION PRESSURE (PSIG)	125	131	137	144	149	154	160
		SUCTION TEMPERATURE (°F)	69	67	66	64	63	62	60
		SUCTION SUPERHEAT (°F)	26	22	18	14	11	7	4
		OUTDOOR UNIT CURRENT (A)	10.8	12.0	13.2	14.3	15.4	16.6	17.7
		COMPRESSOR CURRENT (A)	9.7	10.9	12.0	13.2	14.3	15.5	16.6
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	19	18	17

Continued on next page.

YCJD42S41S2 (ORIFICE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1200	LIQUID PRESSURE (PSIG)	238	283	328	372	425	478	531
		LIQUID TEMPERATURE (°F)	67	78	90	101	112	123	133
		LIQUID SUBCOOLING (°F)	14	14	12	10	9	7	5
		SUCTION PRESSURE (PSIG)	126	133	140	148	154	161	167
		SUCTION TEMPERATURE (°F)	69	68	67	67	66	65	65
		SUCTION SUPERHEAT (°F)	25	22	18	15	12	9	6
		OUTDOOR UNIT CURRENT (A)	10.8	12.0	13.3	14.5	15.7	16.8	18.0
		COMPRESSOR CURRENT (A)	9.7	10.9	12.1	13.4	14.6	15.7	16.9
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	17	17	16	15
	1400	LIQUID PRESSURE (PSIG)	240	284	329	373	426	480	533
		LIQUID TEMPERATURE (°F)	67	78	90	101	112	122	133
		LIQUID SUBCOOLING (°F)	14	14	13	11	10	8	5
		SUCTION PRESSURE (PSIG)	128	135	142	149	156	163	169
		SUCTION TEMPERATURE (°F)	71	70	69	68	68	68	68
		SUCTION SUPERHEAT (°F)	27	23	20	16	14	11	9
		OUTDOOR UNIT CURRENT (A)	10.9	12.1	13.3	14.5	15.7	16.9	18.2
		COMPRESSOR CURRENT (A)	9.7	11.0	12.2	13.4	14.6	15.9	17.1
		INDOOR COIL DB TEMP DROP (°F)	17	17	17	16	16	15	14
	1600	LIQUID PRESSURE (PSIG)	242	286	330	374	427	481	535
		LIQUID TEMPERATURE (°F)	67	78	89	100	111	122	133
		LIQUID SUBCOOLING (°F)	14	14	13	11	10	8	6
		SUCTION PRESSURE (PSIG)	130	137	144	151	158	164	171
		SUCTION TEMPERATURE (°F)	74	73	71	70	71	71	72
		SUCTION SUPERHEAT (°F)	29	25	21	17	15	13	12
		OUTDOOR UNIT CURRENT (A)	10.9	12.1	13.3	14.6	15.8	17.1	18.3
		COMPRESSOR CURRENT (A)	9.8	11.0	12.2	13.5	14.7	16.0	17.2
		INDOOR COIL DB TEMP DROP (°F)	15	15	15	15	14	14	13

FOR USE WITH MODELS WITH TXV:

YCJD42S41S2
YCJD42S43S4
YCJD42S44S4
TCJD42S41S4
TCJD42S43S4
TCJD42S44S4
TCGD42S41S4
GCGD42S41S4
CCGD42S41Q4
RAC13J424S21
RAC13J424S31

YCJD42S41S2 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			
65	230(9)	231(10)	232(6)	238(9)
70	250(10)	251(11)	252(8)	258(9)
75	271(11)	273(12)	274(9)	279(10)
80	295(12)	296(13)	298(11)	302(10)
85	320(13)	321(13)	323(12)	327(11)
90	347(14)	348(14)	350(13)	352(11)
95	375(15)	376(15)	378(14)	379(12)
100	406(16)	406(16)	408(15)	407(13)
105	438(17)	438(17)	439(16)	437(14)
110	472(17)	472(18)	473(17)	467(14)
115	507(18)	507(18)	507(18)	499(15)
120	545(19)	543(19)	544(19)	533(16)
125	584(20)	582(20)	582(20)	567(17)

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

Charging chart is for use in Cooling mode only.

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

YCJD42S41S2 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD42S41S2	35	107	42.9	2.86	39.4	3.09	36.0	3.30	32.6	3.48	29.2	3.64	25.7	3.76	22.1	3.85
	40	118	47.7	2.89	44.0	3.13	40.3	3.36	36.8	3.56	33.1	3.76	29.3	3.92	25.5	4.05
	45	130	52.9	2.91	48.7	3.18	44.9	3.42	41.0	3.64	37.2	3.86	33.1	4.06	29.1	4.22
	50	142	58.3	2.92	53.8	3.20	49.5	3.47	45.4	3.72	41.4	3.96	37.2	4.19	32.9	4.38
	55	156	63.9	2.93	59.2	3.23	54.5	3.52	50.1	3.78	45.6	4.06	41.4	4.31	36.8	4.53

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCD42S41S2 (TXV) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	228	276	324	372	445	519	593
		LIQUID TEMPERATURE (°F)	68	77	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	10	13	15	15	19	20	21
		SUCTION PRESSURE (PSIG)	117	120	123	126	130	133	137
		SUCTION TEMPERATURE (°F)	50	53	55	58	63	68	72
		SUCTION SUPERHEAT (°F)	11	12	13	15	18	21	25
		OUTDOOR UNIT CURRENT (A)	10.9	12.0	13.1	14.2	15.3	16.4	17.5
		COMPRESSOR CURRENT (A)	9.8	10.9	12.0	13.1	14.2	15.3	16.4
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	19	18
	1400	LIQUID PRESSURE (PSIG)	229	277	324	372	444	517	590
		LIQUID TEMPERATURE (°F)	69	78	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	10	13	15	15	18	20	21
		SUCTION PRESSURE (PSIG)	120	123	126	129	132	136	139
		SUCTION TEMPERATURE (°F)	52	54	57	59	64	68	73
		SUCTION SUPERHEAT (°F)	11	12	14	15	18	21	25
		OUTDOOR UNIT CURRENT (A)	10.9	12.0	13.1	14.3	15.4	16.5	17.6
		COMPRESSOR CURRENT (A)	9.8	10.9	12.0	13.1	14.3	15.4	16.6
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	19	18	17
	1600	LIQUID PRESSURE (PSIG)	231	278	325	372	444	516	588
		LIQUID TEMPERATURE (°F)	69	78	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	9	12	14	15	18	20	20
		SUCTION PRESSURE (PSIG)	123	126	129	132	135	138	141
		SUCTION TEMPERATURE (°F)	54	56	58	60	65	69	73
		SUCTION SUPERHEAT (°F)	12	13	14	15	18	21	24
		OUTDOOR UNIT CURRENT (A)	11.0	12.1	13.2	14.3	15.5	16.6	17.8
		COMPRESSOR CURRENT (A)	9.8	10.9	12.1	13.2	14.4	15.5	16.7
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	19	18	17	15
80/57	1200	LIQUID PRESSURE (PSIG)	228	274	321	368	440	513	586
		LIQUID TEMPERATURE (°F)	68	77	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	10	12	14	14	18	19	20
		SUCTION PRESSURE (PSIG)	112	116	121	125	129	134	138
		SUCTION TEMPERATURE (°F)	49	52	55	58	63	69	75
		SUCTION SUPERHEAT (°F)	13	13	14	15	19	23	27
		OUTDOOR UNIT CURRENT (A)	10.8	11.9	13.0	14.1	15.3	16.4	17.6
		COMPRESSOR CURRENT (A)	9.7	10.8	11.9	13.0	14.2	15.3	16.5
		INDOOR COIL DB TEMP DROP (°F)	33	32	30	29	27	24	22
	1400	LIQUID PRESSURE (PSIG)	228	275	322	368	440	511	582
		LIQUID TEMPERATURE (°F)	69	78	87	97	107	116	126
		LIQUID SUBCOOLING (°F)	9	12	13	14	17	19	19
		SUCTION PRESSURE (PSIG)	116	121	126	131	134	138	142
		SUCTION TEMPERATURE (°F)	52	54	57	60	65	70	75
		SUCTION SUPERHEAT (°F)	13	13	14	15	18	22	26
		OUTDOOR UNIT CURRENT (A)	10.8	11.9	13.1	14.2	15.4	16.6	17.8
		COMPRESSOR CURRENT (A)	9.7	10.8	12.0	13.1	14.3	15.5	16.7
		INDOOR COIL DB TEMP DROP (°F)	30	29	27	26	24	22	20
	1600	LIQUID PRESSURE (PSIG)	228	275	322	369	439	508	578
		LIQUID TEMPERATURE (°F)	70	79	88	98	107	117	126
		LIQUID SUBCOOLING (°F)	8	11	13	13	16	18	19
		SUCTION PRESSURE (PSIG)	121	126	131	136	139	143	146
		SUCTION TEMPERATURE (°F)	54	57	59	62	66	71	76
		SUCTION SUPERHEAT (°F)	13	14	14	14	18	21	25
		OUTDOOR UNIT CURRENT (A)	10.8	12.0	13.2	14.3	15.6	16.8	18.1
		COMPRESSOR CURRENT (A)	9.7	10.9	12.0	13.2	14.5	15.8	17.0
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	22	20	18

Continued on next page.

YCJD42S41S2 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1200	LIQUID PRESSURE (PSIG)	228	275	323	370	442	514	587
		LIQUID TEMPERATURE (°F)	68	77	87	96	106	116	126
		LIQUID SUBCOOLING (°F)	10	13	14	15	18	20	20
		SUCTION PRESSURE (PSIG)	118	121	124	127	131	135	138
		SUCTION TEMPERATURE (°F)	52	54	56	58	63	68	74
		SUCTION SUPERHEAT (°F)	12	13	14	14	18	22	25
		OUTDOOR UNIT CURRENT (A)	10.8	11.9	13.1	14.2	15.3	16.5	17.6
		COMPRESSOR CURRENT (A)	9.7	10.8	11.9	13.1	14.2	15.4	16.5
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	27	25	23	22
	1400	LIQUID PRESSURE (PSIG)	230	276	323	370	440	510	580
		LIQUID TEMPERATURE (°F)	69	78	87	97	106	116	126
		LIQUID SUBCOOLING (°F)	9	12	14	14	17	19	19
		SUCTION PRESSURE (PSIG)	121	124	128	131	135	138	142
		SUCTION TEMPERATURE (°F)	53	55	57	59	64	69	74
		SUCTION SUPERHEAT (°F)	13	13	13	14	17	21	25
		OUTDOOR UNIT CURRENT (A)	10.8	12.0	13.1	14.3	15.4	16.6	17.8
		COMPRESSOR CURRENT (A)	9.7	10.9	12.0	13.2	14.3	15.5	16.7
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	23	22	20
	1600	LIQUID PRESSURE (PSIG)	231	277	323	369	438	506	574
		LIQUID TEMPERATURE (°F)	70	79	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	9	12	13	14	17	18	19
		SUCTION PRESSURE (PSIG)	124	127	131	135	138	142	145
		SUCTION TEMPERATURE (°F)	55	57	58	60	65	70	75
		SUCTION SUPERHEAT (°F)	13	13	13	13	17	20	24
		OUTDOOR UNIT CURRENT (A)	10.9	12.0	13.2	14.3	15.5	16.7	17.9
		COMPRESSOR CURRENT (A)	9.7	10.9	12.1	13.2	14.4	15.6	16.8
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	20	18
80/67	1200	LIQUID PRESSURE (PSIG)	230	277	324	371	442	513	584
		LIQUID TEMPERATURE (°F)	71	80	88	97	107	116	126
		LIQUID SUBCOOLING (°F)	7	11	13	14	17	19	20
		SUCTION PRESSURE (PSIG)	127	130	134	137	140	143	146
		SUCTION TEMPERATURE (°F)	56	58	60	62	66	71	75
		SUCTION SUPERHEAT (°F)	12	13	13	14	17	21	24
		OUTDOOR UNIT CURRENT (A)	11.0	12.1	13.3	14.4	15.6	16.9	18.1
		COMPRESSOR CURRENT (A)	9.8	11.0	12.1	13.3	14.5	15.8	17.0
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	18
	1400	LIQUID PRESSURE (PSIG)	230	277	324	371	441	511	580
		LIQUID TEMPERATURE (°F)	73	81	89	98	107	117	126
		LIQUID SUBCOOLING (°F)	6	10	12	13	17	19	19
		SUCTION PRESSURE (PSIG)	131	134	137	140	143	146	148
		SUCTION TEMPERATURE (°F)	58	59	61	63	67	72	76
		SUCTION SUPERHEAT (°F)	13	13	13	14	17	21	24
		OUTDOOR UNIT CURRENT (A)	11.0	12.1	13.3	14.5	15.7	16.9	18.2
		COMPRESSOR CURRENT (A)	9.8	11.0	12.2	13.3	14.6	15.8	17.1
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	18	17
	1600	LIQUID PRESSURE (PSIG)	231	278	325	372	440	508	577
		LIQUID TEMPERATURE (°F)	74	82	90	98	108	117	126
		LIQUID SUBCOOLING (°F)	4	9	11	13	16	18	19
		SUCTION PRESSURE (PSIG)	134	137	140	143	146	148	151
		SUCTION TEMPERATURE (°F)	60	61	63	64	68	72	77
		SUCTION SUPERHEAT (°F)	13	14	14	14	17	20	24
		OUTDOOR UNIT CURRENT (A)	11.0	12.2	13.4	14.5	15.8	17.0	18.3
		COMPRESSOR CURRENT (A)	9.9	11.0	12.2	13.4	14.7	15.9	17.2
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	19	18	17	16

Continued on next page.

YCJD42S41S2 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1200	LIQUID PRESSURE (PSIG)	234	281	327	374	439	504	569
		LIQUID TEMPERATURE (°F)	73	82	91	100	109	117	126
		LIQUID SUBCOOLING (°F)	6	10	11	12	15	17	18
		SUCTION PRESSURE (PSIG)	137	141	145	149	151	154	157
		SUCTION TEMPERATURE (°F)	66	66	65	65	68	72	75
		SUCTION SUPERHEAT (°F)	18	16	15	13	15	17	20
		OUTDOOR UNIT CURRENT (A)	11.1	12.3	13.4	14.6	16.0	17.3	18.6
		COMPRESSOR CURRENT (A)	9.9	11.1	12.3	13.5	14.9	16.2	17.5
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	17	16	15
	1400	LIQUID PRESSURE (PSIG)	236	282	328	374	438	502	566
		LIQUID TEMPERATURE (°F)	72	81	91	101	109	118	127
		LIQUID SUBCOOLING (°F)	8	10	11	11	14	16	17
		SUCTION PRESSURE (PSIG)	138	143	148	152	155	157	160
		SUCTION TEMPERATURE (°F)	68	68	67	67	70	72	75
		SUCTION SUPERHEAT (°F)	20	18	15	13	15	17	19
		OUTDOOR UNIT CURRENT (A)	11.1	12.3	13.5	14.7	16.0	17.4	18.7
		COMPRESSOR CURRENT (A)	9.9	11.2	12.4	13.6	14.9	16.3	17.6
		INDOOR COIL DB TEMP DROP (°F)	18	18	17	16	15	15	14
	1600	LIQUID PRESSURE (PSIG)	238	284	329	374	437	500	563
		LIQUID TEMPERATURE (°F)	70	81	91	102	110	118	127
		LIQUID SUBCOOLING (°F)	10	11	11	10	13	15	16
		SUCTION PRESSURE (PSIG)	139	145	150	156	158	161	163
		SUCTION TEMPERATURE (°F)	71	70	69	68	71	73	76
		SUCTION SUPERHEAT (°F)	22	19	16	13	15	17	19
		OUTDOOR UNIT CURRENT (A)	11.1	12.3	13.6	14.8	16.1	17.4	18.7
		COMPRESSOR CURRENT (A)	10.0	11.2	12.4	13.7	15.0	16.3	17.6
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	15	14	13	13

FOR USE WITH MODELS WITH ORIFICE:

YCJD48S41S1
YCJD48S43S3
YCJD48S44S3
TCJD48S41S3
TCJD48S43S3
TCJD48S44S3
TCGD48S41S(1,3)
GCGD48S41S(1,3)
CCGD48S41Q3
RAC13J484S21
RAC13J484S31

YCJD48S41S1 SUPERHEAT CHARGING CHART																
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE															
	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162
	TEMPERATURE (°F) AT SUCTION BASE VALVE															
65	56	60	64	69	..	..	..	..	..	..	..	..	..	..	..	..
70	52	56	60	64	68	..	..	..	..	..	..	..	..	..	..	..
75	..	51	55	59	63	66	..	..	..	..	..	..	..	..	..	..
80	..	..	50	54	58	62	65	69	..	..	..	..	..	..	..	..
85	..	..	..	50	53	57	61	64	68	..	..	..	..	..	..	..
90	..	..	..	..	50	53	56	60	63	67	..	..	..	..	..	..
95	..	..	..	..	..	50	53	56	60	63	66	..	..	..	..	..
100	..	..	..	..	..	..	50	53	56	59	62	65	68	..	..	..
105	..	..	..	..	..	..	..	51	54	57	59	62	65	68	..	..
110	..	..	..	..	..	..	..	..	..	55	57	60	62	65	67	..
115	..	..	..	..	..	..	..	..	..	..	55	58	60	62	64	66
120	..	..	..	..	..	..	..	..	..	..	..	57	59	60	62	64
125	..	..	..	..	..	..	..	..	..	..	..	..	57	59	60	62

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

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

YCJD48S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD48S41S1	35	107	50.8	3.21	47.1	3.50	42.9	3.69	38.4	3.85	33.7	3.97	29.1	4.06	24.8	4.16
	40	118	56.4	3.26	52.5	3.57	47.9	3.80	43.3	3.98	38.4	4.12	33.4	4.24	28.7	4.35
	45	130	62.4	3.30	58.2	3.65	53.5	3.91	48.4	4.12	43.1	4.29	38.2	4.30	32.9	4.54
	50	142	68.8	3.36	64.4	3.74	59.3	4.02	53.7	4.26	48.4	4.45	43.0	4.61	37.5	4.74
	55	156	75.8	3.43	70.9	3.83	65.5	4.14	59.6	4.41	53.8	4.62	48.0	4.81	42.5	4.95

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJD48S41S1 (ORIFICE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1400	LIQUID PRESSURE (PSIG)	258	301	345	389	441	493	546
		LIQUID TEMPERATURE (°F)	68	80	91	103	113	123	134
		LIQUID SUBCOOLING (°F)	17	16	15	12	11	9	7
		SUCTION PRESSURE (PSIG)	116	121	126	131	136	141	146
		SUCTION TEMPERATURE (°F)	45	47	48	50	51	52	54
		SUCTION SUPERHEAT (°F)	7	6	5	4	4	3	3
		OUTDOOR UNIT CURRENT (A)	10.3	11.2	12.2	13.1	14.1	15.1	16.1
		COMPRESSOR CURRENT (A)	9.2	10.1	11.1	12.1	13.1	14.1	15.1
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	21	20	19
	1600	LIQUID PRESSURE (PSIG)	260	304	347	391	443	496	548
		LIQUID TEMPERATURE (°F)	68	80	91	102	113	123	134
		LIQUID SUBCOOLING (°F)	18	17	15	13	12	10	7
		SUCTION PRESSURE (PSIG)	118	123	128	133	138	143	148
		SUCTION TEMPERATURE (°F)	51	50	50	49	51	53	55
		SUCTION SUPERHEAT (°F)	11	8	6	3	3	3	3
		OUTDOOR UNIT CURRENT (A)	10.3	11.3	12.2	13.2	14.2	15.2	16.2
		COMPRESSOR CURRENT (A)	9.2	10.2	11.2	12.2	13.2	14.2	15.2
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1800	LIQUID PRESSURE (PSIG)	262	306	349	393	446	498	551
		LIQUID TEMPERATURE (°F)	68	80	91	102	112	123	133
		LIQUID SUBCOOLING (°F)	18	18	16	13	12	10	8
		SUCTION PRESSURE (PSIG)	120	125	130	136	141	145	150
		SUCTION TEMPERATURE (°F)	56	54	51	48	51	53	56
		SUCTION SUPERHEAT (°F)	16	11	6	1	2	2	3
		OUTDOOR UNIT CURRENT (A)	10.3	11.3	12.3	13.3	14.3	15.3	16.4
		COMPRESSOR CURRENT (A)	9.3	10.3	11.3	12.3	13.3	14.3	15.3
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	17
80/57	1400	LIQUID PRESSURE (PSIG)	252	298	344	390	444	499	554
		LIQUID TEMPERATURE (°F)	69	80	91	102	113	123	133
		LIQUID SUBCOOLING (°F)	15	16	14	12	12	10	8
		SUCTION PRESSURE (PSIG)	110	117	124	130	138	145	152
		SUCTION TEMPERATURE (°F)	37	40	43	46	49	53	56
		SUCTION SUPERHEAT (°F)	1	1	1	1	2	2	2
		OUTDOOR UNIT CURRENT (A)	10.0	11.1	12.1	13.1	14.3	15.4	16.5
		COMPRESSOR CURRENT (A)	9.0	10.0	11.1	12.1	13.2	14.3	15.5
		INDOOR COIL DB TEMP DROP (°F)	32	30	29	27	25	23	21
	1600	LIQUID PRESSURE (PSIG)	255	301	347	393	448	502	557
		LIQUID TEMPERATURE (°F)	69	80	91	102	112	123	133
		LIQUID SUBCOOLING (°F)	16	16	15	13	13	11	9
		SUCTION PRESSURE (PSIG)	113	120	127	134	141	148	155
		SUCTION TEMPERATURE (°F)	46	47	48	48	51	54	57
		SUCTION SUPERHEAT (°F)	8	6	4	2	2	2	2
		OUTDOOR UNIT CURRENT (A)	10.1	11.2	12.2	13.3	14.4	15.5	16.7
		COMPRESSOR CURRENT (A)	9.1	10.1	11.2	12.3	13.4	14.5	15.6
		INDOOR COIL DB TEMP DROP (°F)	30	28	27	26	24	22	20
	1800	LIQUID PRESSURE (PSIG)	258	304	350	396	451	506	561
		LIQUID TEMPERATURE (°F)	69	80	91	102	112	123	133
		LIQUID SUBCOOLING (°F)	17	17	16	14	13	12	9
		SUCTION PRESSURE (PSIG)	116	123	131	138	145	152	159
		SUCTION TEMPERATURE (°F)	54	53	52	51	53	56	58
		SUCTION SUPERHEAT (°F)	16	11	7	3	2	2	2
		OUTDOOR UNIT CURRENT (A)	10.2	11.3	12.4	13.4	14.6	15.7	16.8
		COMPRESSOR CURRENT (A)	9.1	10.2	11.3	12.4	13.5	14.7	15.8
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	22	20	18

Continued on next page.

YCJD48S41S1 (ORIFICE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1400	LIQUID PRESSURE (PSIG)	257	301	346	390	444	497	551
		LIQUID TEMPERATURE (°F)	68	80	91	102	113	123	133
		LIQUID SUBCOOLING (°F)	17	16	15	12	12	10	8
		SUCTION PRESSURE (PSIG)	115	120	126	131	138	145	152
		SUCTION TEMPERATURE (°F)	47	47	47	47	50	53	56
		SUCTION SUPERHEAT (°F)	8	6	4	1	2	2	3
		OUTDOOR UNIT CURRENT (A)	10.2	11.2	12.2	13.1	14.2	15.3	16.4
		COMPRESSOR CURRENT (A)	9.2	10.2	11.1	12.1	13.2	14.3	15.4
		INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	25	23	22
	1600	LIQUID PRESSURE (PSIG)	259	303	348	393	447	501	555
		LIQUID TEMPERATURE (°F)	69	80	91	102	112	123	133
		LIQUID SUBCOOLING (°F)	17	17	16	13	12	11	9
		SUCTION PRESSURE (PSIG)	117	123	128	134	141	148	155
		SUCTION TEMPERATURE (°F)	52	51	49	48	51	54	57
		SUCTION SUPERHEAT (°F)	13	9	5	2	2	2	3
		OUTDOOR UNIT CURRENT (A)	10.3	11.3	12.3	13.3	14.4	15.5	16.6
		COMPRESSOR CURRENT (A)	9.2	10.2	11.2	12.2	13.4	14.5	15.6
		INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	24	22	20
	1800	LIQUID PRESSURE (PSIG)	261	306	351	396	450	505	559
		LIQUID TEMPERATURE (°F)	69	80	91	102	112	123	133
		LIQUID SUBCOOLING (°F)	18	18	16	14	13	12	9
		SUCTION PRESSURE (PSIG)	118	125	131	138	145	152	159
		SUCTION TEMPERATURE (°F)	57	55	52	50	53	56	58
		SUCTION SUPERHEAT (°F)	17	12	7	2	2	2	3
		OUTDOOR UNIT CURRENT (A)	10.3	11.3	12.4	13.4	14.5	15.7	16.8
		COMPRESSOR CURRENT (A)	9.2	10.3	11.3	12.4	13.5	14.6	15.8
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	22	20	18
80/67	1400	LIQUID PRESSURE (PSIG)	264	309	354	398	450	503	555
		LIQUID TEMPERATURE (°F)	69	79	90	101	112	122	133
		LIQUID SUBCOOLING (°F)	19	19	17	15	14	12	9
		SUCTION PRESSURE (PSIG)	121	128	135	142	146	151	156
		SUCTION TEMPERATURE (°F)	57	58	58	58	58	58	57
		SUCTION SUPERHEAT (°F)	16	14	11	9	7	5	3
		OUTDOOR UNIT CURRENT (A)	10.4	11.4	12.5	13.6	14.6	15.6	16.6
		COMPRESSOR CURRENT (A)	9.3	10.4	11.5	12.6	13.6	14.6	15.6
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	20	19
	1600	LIQUID PRESSURE (PSIG)	266	311	355	400	452	505	557
		LIQUID TEMPERATURE (°F)	69	79	90	101	112	122	133
		LIQUID SUBCOOLING (°F)	19	19	18	15	14	12	9
		SUCTION PRESSURE (PSIG)	123	130	137	143	148	153	158
		SUCTION TEMPERATURE (°F)	60	60	60	61	60	59	58
		SUCTION SUPERHEAT (°F)	18	15	13	10	8	5	3
		OUTDOOR UNIT CURRENT (A)	10.4	11.5	12.6	13.7	14.7	15.7	16.8
		COMPRESSOR CURRENT (A)	9.3	10.4	11.5	12.6	13.7	14.7	15.7
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1800	LIQUID PRESSURE (PSIG)	268	313	357	402	454	507	560
		LIQUID TEMPERATURE (°F)	69	79	90	101	112	122	133
		LIQUID SUBCOOLING (°F)	20	19	18	16	15	13	10
		SUCTION PRESSURE (PSIG)	125	132	139	145	150	155	160
		SUCTION TEMPERATURE (°F)	63	63	63	63	62	60	59
		SUCTION SUPERHEAT (°F)	20	17	15	12	9	6	2
		OUTDOOR UNIT CURRENT (A)	10.4	11.5	12.6	13.7	14.8	15.8	16.9
		COMPRESSOR CURRENT (A)	9.4	10.5	11.6	12.7	13.8	14.8	15.9
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	20	19	18	17

Continued on next page.

YCJD48S41S1 (ORIFICE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1400	LIQUID PRESSURE (PSIG)	273	318	363	409	462	515	569
		LIQUID TEMPERATURE (°F)	69	79	90	101	111	122	132
		LIQUID SUBCOOLING (°F)	21	21	19	17	16	14	11
		SUCTION PRESSURE (PSIG)	129	136	143	151	157	163	170
		SUCTION TEMPERATURE (°F)	68	68	67	67	65	64	62
		SUCTION SUPERHEAT (°F)	24	21	17	14	10	6	2
		OUTDOOR UNIT CURRENT (A)	10.6	11.7	12.8	14.0	15.1	16.3	17.4
		COMPRESSOR CURRENT (A)	9.5	10.6	11.8	12.9	14.1	15.2	16.4
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	17	16	15	14
	1600	LIQUID PRESSURE (PSIG)	274	320	365	411	464	517	571
		LIQUID TEMPERATURE (°F)	69	79	90	101	111	122	132
		LIQUID SUBCOOLING (°F)	21	21	20	18	16	14	12
		SUCTION PRESSURE (PSIG)	130	137	145	152	159	165	172
		SUCTION TEMPERATURE (°F)	70	69	69	69	67	66	65
		SUCTION SUPERHEAT (°F)	25	21	18	15	12	8	5
		OUTDOOR UNIT CURRENT (A)	10.6	11.7	12.9	14.1	15.2	16.4	17.5
		COMPRESSOR CURRENT (A)	9.5	10.7	11.9	13.0	14.2	15.3	16.5
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	15	15	14	13
	1800	LIQUID PRESSURE (PSIG)	275	321	367	413	466	519	573
		LIQUID TEMPERATURE (°F)	69	79	90	101	111	122	132
		LIQUID SUBCOOLING (°F)	22	21	20	18	17	15	12
		SUCTION PRESSURE (PSIG)	131	139	146	154	160	167	174
		SUCTION TEMPERATURE (°F)	71	71	70	70	69	69	68
		SUCTION SUPERHEAT (°F)	26	22	19	16	13	10	7
		OUTDOOR UNIT CURRENT (A)	10.6	11.8	13.0	14.1	15.3	16.5	17.6
		COMPRESSOR CURRENT (A)	9.5	10.7	11.9	13.1	14.3	15.4	16.6
		INDOOR COIL DB TEMP DROP (°F)	16	15	15	14	14	13	12

FOR USE WITH MODELS WITH TXV:

YCJD48S41S1
YCJD48S43S3
YCJD48S44S3
TCJD48S41S3
TCJD48S43S3
TCJD48S44S3
TCGD48S41S(1,3)
GCGD48S41S(1,3)
CCGD48S41Q3
RAC13J484S21
RAC13J484S31

YCJD48S41S1 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			
65	263(17)	264(18)	264(13)	262(7)
70	282(18)	284(18)	284(14)	284(9)
75	304(18)	305(18)	306(15)	307(11)
80	327(18)	328(19)	329(16)	331(12)
85	351(19)	353(19)	353(17)	356(13)
90	377(19)	379(19)	379(17)	382(15)
95	405(19)	407(19)	407(18)	410(16)
100	434(20)	436(20)	436(19)	438(17)
105	465(20)	467(20)	467(19)	468(17)
110	498(20)	499(20)	499(20)	498(18)
115	532(20)	533(21)	533(20)	530(18)
120	568(21)	568(21)	568(21)	562(19)
125	605(21)	605(21)	605(21)	596(19)

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

Charging chart is for use in Cooling mode only.

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

YCJD48S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD48S41S1	35	107	50.8	3.21	47.1	3.50	42.9	3.69	38.4	3.85	33.7	3.97	29.1	4.06	24.8	4.16
	40	118	56.4	3.26	52.5	3.57	47.9	3.80	43.3	3.98	38.4	4.12	33.4	4.24	28.7	4.35
	45	130	62.4	3.30	58.2	3.65	53.5	3.91	48.4	4.12	43.1	4.29	38.2	4.30	32.9	4.54
	50	142	68.8	3.36	64.4	3.74	59.3	4.02	53.7	4.26	48.4	4.45	43.0	4.61	37.5	4.74
	55	156	75.8	3.43	70.9	3.83	65.5	4.14	59.6	4.41	53.8	4.62	48.0	4.81	42.5	4.95

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJD48S41S1 (TXV) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1600	LIQUID PRESSURE (PSIG)	267	308	355	410	470	538	612
		LIQUID TEMPERATURE (°F)	71	80	89	98	108	118	-22
		LIQUID SUBCOOLING (°F)	17	18	19	20	21	21	22
		SUCTION PRESSURE (PSIG)	119	122	125	129	133	139	145
		SUCTION TEMPERATURE (°F)	52	55	57	59	63	68	72
		SUCTION SUPERHEAT (°F)	12	13	14	15	17	19	21
		OUTDOOR UNIT CURRENT (A)	10.2	11.3	12.3	13.4	14.5	15.5	16.6
		COMPRESSOR CURRENT (A)	9.2	10.2	11.3	12.3	13.4	14.5	15.6
		INDOOR COIL TEMP DROP (°F)	25	24	23	22	21	20	18
	1800	LIQUID PRESSURE (PSIG)	265	306	353	408	468	536	610
		LIQUID TEMPERATURE (°F)	71	79	88	98	108	118	-22
		LIQUID SUBCOOLING (°F)	17	18	19	20	21	21	22
		SUCTION PRESSURE (PSIG)	121	124	127	131	135	141	147
		SUCTION TEMPERATURE (°F)	53	55	58	60	64	68	73
		SUCTION SUPERHEAT (°F)	12	13	14	15	17	19	21
		OUTDOOR UNIT CURRENT (A)	10.3	11.4	12.4	13.5	14.6	15.6	16.7
		COMPRESSOR CURRENT (A)	9.3	10.3	11.4	12.4	13.5	14.6	15.7
		INDOOR COIL TEMP DROP (°F)	24	23	22	21	20	19	17
	2000	LIQUID PRESSURE (PSIG)	263	304	351	406	466	534	608
		LIQUID TEMPERATURE (°F)	70	79	88	98	107	118	-22
		LIQUID SUBCOOLING (°F)	17	18	19	20	21	21	22
		SUCTION PRESSURE (PSIG)	123	126	129	133	137	143	149
		SUCTION TEMPERATURE (°F)	54	56	58	61	65	69	73
		SUCTION SUPERHEAT (°F)	12	13	14	15	17	19	21
		OUTDOOR UNIT CURRENT (A)	10.4	11.5	12.5	13.6	14.7	15.7	16.8
		COMPRESSOR CURRENT (A)	9.4	10.4	11.5	12.5	13.6	14.7	15.8
		INDOOR COIL TEMP DROP (°F)	23	22	21	20	19	18	16
80/57	1600	LIQUID PRESSURE (PSIG)	265	306	353	407	467	534	607
		LIQUID TEMPERATURE (°F)	70	78	87	98	107	118	127
		LIQUID SUBCOOLING (°F)	18	19	20	20	21	21	22
		SUCTION PRESSURE (PSIG)	114	117	121	127	133	140	148
		SUCTION TEMPERATURE (°F)	51	53	57	61	65	70	74
		SUCTION SUPERHEAT (°F)	13	14	16	17	19	21	22
		OUTDOOR UNIT CURRENT (A)	10.2	11.2	12.2	13.3	14.5	15.6	16.9
		COMPRESSOR CURRENT (A)	9.1	10.1	11.2	12.3	13.4	14.6	15.8
		INDOOR COIL TEMP DROP (°F)	33	31	30	28	26	24	22
	1800	LIQUID PRESSURE (PSIG)	263	304	351	405	465	532	605
		LIQUID TEMPERATURE (°F)	70	79	88	99	108	119	128
		LIQUID SUBCOOLING (°F)	17	18	19	19	20	20	21
		SUCTION PRESSURE (PSIG)	118	121	125	131	137	144	152
		SUCTION TEMPERATURE (°F)	52	54	58	61	66	70	74
		SUCTION SUPERHEAT (°F)	12	13	15	16	18	20	21
		OUTDOOR UNIT CURRENT (A)	10.3	11.3	12.3	13.4	14.6	15.7	17.0
		COMPRESSOR CURRENT (A)	9.2	10.2	11.3	12.4	13.5	14.7	15.9
		INDOOR COIL TEMP DROP (°F)	31	29	28	26	24	22	20
	2000	LIQUID PRESSURE (PSIG)	261	302	349	403	463	530	603
		LIQUID TEMPERATURE (°F)	71	79	89	99	109	119	129
		LIQUID SUBCOOLING (°F)	16	17	18	18	19	19	20
		SUCTION PRESSURE (PSIG)	122	125	129	135	141	148	156
		SUCTION TEMPERATURE (°F)	53	55	58	62	66	71	75
		SUCTION SUPERHEAT (°F)	11	12	14	15	17	19	20
		OUTDOOR UNIT CURRENT (A)	10.4	11.4	12.4	13.5	14.7	15.8	17.1
		COMPRESSOR CURRENT (A)	9.3	10.3	11.4	12.5	13.6	14.8	16.0
		INDOOR COIL TEMP DROP (°F)	29	27	26	24	22	20	18

Continued on next page.

YCJD48S41S1 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1600	LIQUID PRESSURE (PSIG)	266	307	355	409	469	535	607
		LIQUID TEMPERATURE (°F)	70	80	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	18	18	19	19	20	21	21
		SUCTION PRESSURE (PSIG)	119	121	124	128	134	141	149
		SUCTION TEMPERATURE (°F)	53	55	58	61	66	69	74
		SUCTION SUPERHEAT (°F)	13	14	16	17	19	20	22
		OUTDOOR UNIT CURRENT (A)	10.3	11.3	12.3	13.4	14.5	15.7	16.9
		COMPRESSOR CURRENT (A)	9.2	10.2	11.2	12.3	13.4	14.7	15.9
		INDOOR COIL TEMP DROP (°F)	31	30	29	28	26	24	22
	1800	LIQUID PRESSURE (PSIG)	264	305	353	407	467	533	605
		LIQUID TEMPERATURE (°F)	69	79	88	99	108	118	128
		LIQUID SUBCOOLING (°F)	18	18	19	19	20	21	21
		SUCTION PRESSURE (PSIG)	122	124	127	131	137	144	152
		SUCTION TEMPERATURE (°F)	54	55	59	61	66	69	74
		SUCTION SUPERHEAT (°F)	12	13	15	16	18	19	21
		OUTDOOR UNIT CURRENT (A)	10.4	11.4	12.4	13.5	14.6	15.8	17.0
		COMPRESSOR CURRENT (A)	9.3	10.3	11.3	12.4	13.5	14.8	16.0
		INDOOR COIL TEMP DROP (°F)	29	28	27	26	24	22	20
	2000	LIQUID PRESSURE (PSIG)	262	303	351	405	465	531	603
		LIQUID TEMPERATURE (°F)	70	80	89	100	109	118	129
		LIQUID SUBCOOLING (°F)	17	17	18	18	19	20	20
		SUCTION PRESSURE (PSIG)	125	127	130	134	140	147	155
		SUCTION TEMPERATURE (°F)	54	56	59	62	66	70	75
		SUCTION SUPERHEAT (°F)	11	12	14	15	17	18	20
		OUTDOOR UNIT CURRENT (A)	10.5	11.5	12.5	13.6	14.7	15.9	17.1
		COMPRESSOR CURRENT (A)	9.4	10.4	11.4	12.5	13.6	14.9	16.1
		INDOOR COIL TEMP DROP (°F)	27	26	25	24	22	20	18
80/67	1600	LIQUID PRESSURE (PSIG)	264	306	353	407	467	533	605
		LIQUID TEMPERATURE (°F)	73	81	89	99	108	118	127
		LIQUID SUBCOOLING (°F)	14	16	18	19	20	21	22
		SUCTION PRESSURE (PSIG)	130	133	137	141	145	149	154
		SUCTION TEMPERATURE (°F)	56	57	61	63	67	69	74
		SUCTION SUPERHEAT (°F)	11	11	13	14	16	17	20
		OUTDOOR UNIT CURRENT (A)	10.3	11.5	12.6	13.8	14.9	16.0	17.2
		COMPRESSOR CURRENT (A)	9.2	10.4	11.6	12.7	13.9	15.0	16.1
		INDOOR COIL TEMP DROP (°F)	25	24	23	22	21	20	19
	1800	LIQUID PRESSURE (PSIG)	264	306	353	407	467	533	605
		LIQUID TEMPERATURE (°F)	74	82	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	13	15	17	18	19	20	21
		SUCTION PRESSURE (PSIG)	132	135	139	143	147	151	156
		SUCTION TEMPERATURE (°F)	57	58	62	64	68	70	75
		SUCTION SUPERHEAT (°F)	11	11	13	14	16	17	20
		OUTDOOR UNIT CURRENT (A)	10.4	11.6	12.7	13.9	15.0	16.1	17.3
		COMPRESSOR CURRENT (A)	9.3	10.5	11.7	12.8	14.0	15.1	16.2
		INDOOR COIL TEMP DROP (°F)	24	23	22	21	20	19	18
	2000	LIQUID PRESSURE (PSIG)	264	306	353	407	467	533	605
		LIQUID TEMPERATURE (°F)	75	83	91	101	110	120	129
		LIQUID SUBCOOLING (°F)	12	14	16	17	18	19	20
		SUCTION PRESSURE (PSIG)	134	137	141	145	149	153	158
		SUCTION TEMPERATURE (°F)	58	59	62	65	68	71	76
		SUCTION SUPERHEAT (°F)	11	11	13	14	16	17	20
		OUTDOOR UNIT CURRENT (A)	10.5	11.7	12.8	14.0	15.1	16.2	17.4
		COMPRESSOR CURRENT (A)	9.4	10.6	11.8	12.9	14.1	15.2	16.3
		INDOOR COIL TEMP DROP (°F)	23	22	21	20	19	18	17

Continued on next page.

YCJD48S41S1 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1600	LIQUID PRESSURE (PSIG)	262	307	356	410	468	530	596
		LIQUID TEMPERATURE (°F)	80	87	95	102	112	120	129
		LIQUID SUBCOOLING (°F)	7	11	13	16	17	18	19
		SUCTION PRESSURE (PSIG)	143	146	150	154	158	163	167
		SUCTION TEMPERATURE (°F)	61	62	65	67	70	73	77
		SUCTION SUPERHEAT (°F)	11	11	12	13	14	16	18
		OUTDOOR UNIT CURRENT (A)	10.4	11.7	12.9	14.2	15.4	16.6	17.8
		COMPRESSOR CURRENT (A)	9.3	10.6	11.9	13.1	14.4	15.6	16.8
		INDOOR COIL TEMP DROP (°F)	19	19	18	17	16	15	14
	1800	LIQUID PRESSURE (PSIG)	262	307	356	410	468	530	596
		LIQUID TEMPERATURE (°F)	80	87	95	102	112	120	129
		LIQUID SUBCOOLING (°F)	7	11	13	16	17	18	19
		SUCTION PRESSURE (PSIG)	145	148	152	156	160	165	169
		SUCTION TEMPERATURE (°F)	62	63	65	68	70	74	78
		SUCTION SUPERHEAT (°F)	11	11	12	13	14	16	18
		OUTDOOR UNIT CURRENT (A)	10.5	11.8	13.0	14.3	15.5	16.7	17.9
		COMPRESSOR CURRENT (A)	9.4	10.7	12.0	13.2	14.5	15.7	16.9
		INDOOR COIL TEMP DROP (°F)	18	18	17	16	15	14	13
	2000	LIQUID PRESSURE (PSIG)	262	307	356	410	468	530	596
		LIQUID TEMPERATURE (°F)	81	88	96	103	113	121	130
		LIQUID SUBCOOLING (°F)	6	10	12	15	16	17	18
		SUCTION PRESSURE (PSIG)	147	150	154	158	162	167	171
		SUCTION TEMPERATURE (°F)	63	64	66	69	71	75	78
		SUCTION SUPERHEAT (°F)	11	11	12	13	14	16	18
		OUTDOOR UNIT CURRENT (A)	10.6	11.9	13.1	14.4	15.6	16.8	18.0
		COMPRESSOR CURRENT (A)	9.5	10.8	12.1	13.3	14.6	15.8	17.0
		INDOOR COIL TEMP DROP (°F)	17	17	16	15	14	13	12

FOR USE WITH MODELS WITH ORIFICE:

YCJD60S41S2
YCJD60S43S4
YCJD60S44S4
TCJD60S41S4
TCJD60S43S4
TCJD60S44S4
TCGD60S41S4
GCGD60S41S4
CCGD60S41Q5
RAC13J604S21
RAC13J604S31

YCJD60S41S2 SUPERHEAT CHARGING CHART															
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE														
	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159
	TEMPERATURE (°F) AT SUCTION BASE VALVE														
65	56	60	63	66	68	..	..	..	..	..	..	..	..	..	..
70	..	55	59	63	65	68	..	..	..	..	..	..	..	..	..
75	..	..	54	59	61	65	68	..	..	..	..	..	..	..	..
80	..	..	..	53	57	61	65	68	..	..	..	..	..	..	..
85	..	..	..	..	52	57	61	65	67	..	..	..	..	..	..
90	..	..	..	..	..	51	56	61	64	67	..	..	..	..	..
95	..	..	..	..	..	..	51	56	61	64	67	..	..	..	..
100	..	..	..	..	..	..	47	52	57	61	64	65	..	..	..
105	..	..	..	..	..	..	..	50	54	58	61	62	..	..	..
110	..	..	..	..	..	..	..	..	51	55	58	59	61	..	..
115	..	..	..	..	..	..	..	..	49	52	55	57	59	..	..
120	..	..	..	..	..	..	..	..	..	50	53	54	56	58	..
125	..	..	..	..	..	..	..	..	..	49	51	52	53	55	56

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

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

YCJD60S41S2 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD60S41S2	35	107	58.0	3.70	55.0	4.06	51.9	4.46	48.8	4.92	45.5	5.48	42.0	6.12	38.3	6.89
	40	118	63.6	3.74	60.4	4.10	57.0	4.50	53.6	4.97	50.2	5.50	46.4	6.14	42.6	6.87
	45	130	69.5	3.81	66.0	4.16	62.5	4.56	58.7	5.03	55.0	5.56	51.2	6.16	47.0	6.89
	50	142	75.9	3.88	72.0	4.24	68.2	4.63	64.2	5.10	60.1	5.63	56.1	6.21	51.7	6.91
	55	156	82.7	3.96	78.4	4.32	74.2	4.71	70.0	5.17	65.4	5.72	61.3	6.29	56.7	6.94

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJD60S41S1 (ORIFICE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1600	LIQUID PRESSURE (PSIG)	234	282	329	376	433	490	548
		LIQUID TEMPERATURE (°F)	69	80	91	102	112	122	132
		LIQUID SUBCOOLING (°F)	10	12	12	11	11	10	9
		SUCTION PRESSURE (PSIG)	108	114	120	126	130	134	139
		SUCTION TEMPERATURE (°F)	58	54	50	46	47	48	49
		SUCTION SUPERHEAT (°F)	23	16	9	3	2	1	0
		OUTDOOR UNIT CURRENT (A)	13.0	15.0	17.0	19.0	21.7	24.5	27.2
		COMPRESSOR CURRENT (A)	10.0	11.5	13.0	14.5	17.0	19.4	21.9
		INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	22	21	20
	1800	LIQUID PRESSURE (PSIG)	235	283	330	377	435	492	550
		LIQUID TEMPERATURE (°F)	69	80	91	101	112	122	132
		LIQUID SUBCOOLING (°F)	11	12	12	11	11	11	9
		SUCTION PRESSURE (PSIG)	110	116	122	128	132	136	140
		SUCTION TEMPERATURE (°F)	60	56	53	49	49	49	49
		SUCTION SUPERHEAT (°F)	24	18	11	5	4	2	0
		OUTDOOR UNIT CURRENT (A)	13.0	15.0	17.0	19.1	21.8	24.5	27.3
		COMPRESSOR CURRENT (A)	10.0	11.5	13.0	14.5	17.0	19.5	22.0
		INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	21	20	19
	2000	LIQUID PRESSURE (PSIG)	237	284	331	378	436	494	552
		LIQUID TEMPERATURE (°F)	69	80	90	101	111	122	132
		LIQUID SUBCOOLING (°F)	11	13	12	11	12	11	10
		SUCTION PRESSURE (PSIG)	111	117	124	130	134	138	142
		SUCTION TEMPERATURE (°F)	61	58	56	53	52	51	50
		SUCTION SUPERHEAT (°F)	24	19	13	8	5	3	0
		OUTDOOR UNIT CURRENT (A)	13.0	15.0	17.1	19.1	21.9	24.6	27.4
		COMPRESSOR CURRENT (A)	10.0	11.5	13.0	14.5	17.0	19.6	22.1
		INDOOR COIL DB TEMP DROP (°F)	20	21	21	21	20	19	18
80/57	1600	LIQUID PRESSURE (PSIG)	231	279	327	375	434	493	552
		LIQUID TEMPERATURE (°F)	70	81	91	102	112	122	132
		LIQUID SUBCOOLING (°F)	9	11	11	10	11	11	10
		SUCTION PRESSURE (PSIG)	104	111	118	125	131	137	142
		SUCTION TEMPERATURE (°F)	56	53	50	47	48	49	50
		SUCTION SUPERHEAT (°F)	22	16	10	4	3	2	0
		OUTDOOR UNIT CURRENT (A)	12.9	14.9	17.0	19.0	21.8	24.6	27.4
		COMPRESSOR CURRENT (A)	9.9	11.4	12.9	14.4	17.0	19.5	22.1
		INDOOR COIL DB TEMP DROP (°F)	31	30	30	29	27	25	23
	1800	LIQUID PRESSURE (PSIG)	233	281	329	377	436	496	556
		LIQUID TEMPERATURE (°F)	70	80	91	102	112	122	132
		LIQUID SUBCOOLING (°F)	10	11	11	10	11	11	10
		SUCTION PRESSURE (PSIG)	106	114	121	128	134	139	145
		SUCTION TEMPERATURE (°F)	59	56	54	52	52	52	51
		SUCTION SUPERHEAT (°F)	24	19	13	8	5	3	0
		OUTDOOR UNIT CURRENT (A)	12.9	15.0	17.0	19.1	21.9	24.7	27.6
		COMPRESSOR CURRENT (A)	10.0	11.5	13.0	14.5	17.1	19.7	22.3
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	27	25	23	21
	2000	LIQUID PRESSURE (PSIG)	234	283	331	379	439	499	559
		LIQUID TEMPERATURE (°F)	69	80	91	102	112	122	132
		LIQUID SUBCOOLING (°F)	10	12	12	11	12	12	11
		SUCTION PRESSURE (PSIG)	109	116	124	131	137	142	148
		SUCTION TEMPERATURE (°F)	61	60	59	57	56	54	52
		SUCTION SUPERHEAT (°F)	26	21	16	12	8	4	0
		OUTDOOR UNIT CURRENT (A)	13.0	15.0	17.1	19.1	22.0	24.9	27.8
		COMPRESSOR CURRENT (A)	10.0	11.5	13.0	14.5	17.2	19.8	22.5
		INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	23	21	20

Continued on next page.

YCJD60S41S1 (ORIFICE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1600	LIQUID PRESSURE (PSIG)	230	279	327	376	434	493	552
		LIQUID TEMPERATURE (°F)	68	79	91	102	112	122	132
		LIQUID SUBCOOLING (°F)	11	12	11	10	11	10	9
		SUCTION PRESSURE (PSIG)	108	114	121	127	132	137	142
		SUCTION TEMPERATURE (°F)	58	55	52	49	49	49	50
		SUCTION SUPERHEAT (°F)	22	17	11	5	3	2	0
		OUTDOOR UNIT CURRENT (A)	12.9	14.9	17.0	19.0	21.8	24.5	27.3
		COMPRESSOR CURRENT (A)	9.9	11.4	13.0	14.5	17.0	19.6	22.1
		INDOOR COIL DB TEMP DROP (°F)	27	27	28	28	26	25	24
	1800	LIQUID PRESSURE (PSIG)	231	280	329	378	437	496	555
		LIQUID TEMPERATURE (°F)	67	79	91	102	112	122	132
		LIQUID SUBCOOLING (°F)	11	12	12	10	11	11	10
		SUCTION PRESSURE (PSIG)	110	116	123	129	134	139	145
		SUCTION TEMPERATURE (°F)	59	57	55	53	52	52	51
		SUCTION SUPERHEAT (°F)	23	18	13	8	6	3	0
		OUTDOOR UNIT CURRENT (A)	12.9	15.0	17.0	19.1	21.9	24.7	27.5
		COMPRESSOR CURRENT (A)	9.8	11.4	13.0	14.6	17.1	19.7	22.3
		INDOOR COIL DB TEMP DROP (°F)	25	26	26	26	25	23	22
	2000	LIQUID PRESSURE (PSIG)	232	281	330	379	439	499	559
		LIQUID TEMPERATURE (°F)	67	79	90	102	112	122	131
		LIQUID SUBCOOLING (°F)	12	13	12	11	12	12	11
		SUCTION PRESSURE (PSIG)	111	118	125	132	137	142	147
		SUCTION TEMPERATURE (°F)	61	60	59	57	56	54	52
		SUCTION SUPERHEAT (°F)	24	20	16	12	8	4	1
		OUTDOOR UNIT CURRENT (A)	13.0	15.0	17.1	19.1	22.0	24.8	27.7
		COMPRESSOR CURRENT (A)	9.8	11.4	13.0	14.6	17.2	19.8	22.4
		INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	23	21	20
80/67	1600	LIQUID PRESSURE (PSIG)	235	285	334	383	441	499	557
		LIQUID TEMPERATURE (°F)	67	78	90	101	111	121	131
		LIQUID SUBCOOLING (°F)	13	14	14	12	13	12	11
		SUCTION PRESSURE (PSIG)	114	121	128	135	138	142	146
		SUCTION TEMPERATURE (°F)	64	62	60	59	56	54	51
		SUCTION SUPERHEAT (°F)	26	21	17	12	8	4	0
		OUTDOOR UNIT CURRENT (A)	13.1	15.1	17.2	19.2	22.0	24.8	27.6
		COMPRESSOR CURRENT (A)	10.1	11.6	13.2	14.7	17.2	19.8	22.3
		INDOOR COIL DB TEMP DROP (°F)	23	23	23	23	21	20	19
	1800	LIQUID PRESSURE (PSIG)	238	287	335	384	442	501	559
		LIQUID TEMPERATURE (°F)	67	78	90	101	111	121	131
		LIQUID SUBCOOLING (°F)	13	14	14	13	13	13	12
		SUCTION PRESSURE (PSIG)	115	122	129	136	140	144	147
		SUCTION TEMPERATURE (°F)	65	64	62	60	58	55	52
		SUCTION SUPERHEAT (°F)	27	22	18	13	9	5	0
		OUTDOOR UNIT CURRENT (A)	13.2	15.2	17.2	19.3	22.1	24.9	27.8
		COMPRESSOR CURRENT (A)	10.1	11.7	13.2	14.8	17.3	19.9	22.5
		INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	20	19	18
	2000	LIQUID PRESSURE (PSIG)	241	289	337	385	444	503	562
		LIQUID TEMPERATURE (°F)	67	78	90	101	111	121	131
		LIQUID SUBCOOLING (°F)	14	15	15	13	14	13	12
		SUCTION PRESSURE (PSIG)	117	124	131	138	141	145	149
		SUCTION TEMPERATURE (°F)	67	65	64	62	59	56	53
		SUCTION SUPERHEAT (°F)	27	23	18	14	10	5	0
		OUTDOOR UNIT CURRENT (A)	13.3	15.3	17.3	19.3	22.2	25.1	28.0
		COMPRESSOR CURRENT (A)	10.2	11.7	13.3	14.8	17.4	20.1	22.7
		INDOOR COIL DB TEMP DROP (°F)	20	20	20	20	19	18	17

Continued on next page.

YCJD60S41S1 (ORIFICE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1600	LIQUID PRESSURE (PSIG)	240	290	339	389	449	509	570
		LIQUID TEMPERATURE (°F)	67	78	89	101	111	121	131
		LIQUID SUBCOOLING (°F)	14	16	15	14	15	14	13
		SUCTION PRESSURE (PSIG)	120	127	134	142	146	151	156
		SUCTION TEMPERATURE (°F)	68	67	66	65	62	58	55
		SUCTION SUPERHEAT (°F)	28	23	19	15	10	5	0
		OUTDOOR UNIT CURRENT (A)	13.2	15.3	17.4	19.5	22.4	25.3	28.2
		COMPRESSOR CURRENT (A)	10.0	11.6	13.3	14.9	17.6	20.3	23.0
		INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	16	16	15
	1800	LIQUID PRESSURE (PSIG)	241	291	341	391	451	511	571
		LIQUID TEMPERATURE (°F)	66	78	89	101	111	120	130
		LIQUID SUBCOOLING (°F)	15	16	16	14	15	15	14
		SUCTION PRESSURE (PSIG)	121	128	136	143	148	153	158
		SUCTION TEMPERATURE (°F)	69	68	67	66	63	59	56
		SUCTION SUPERHEAT (°F)	28	24	20	16	11	6	0
		OUTDOOR UNIT CURRENT (A)	13.2	15.3	17.4	19.6	22.5	25.4	28.3
		COMPRESSOR CURRENT (A)	10.0	11.7	13.3	15.0	17.6	20.3	23.1
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	15	14
	2000	LIQUID PRESSURE (PSIG)	242	292	342	392	452	512	573
		LIQUID TEMPERATURE (°F)	66	77	89	101	110	120	130
		LIQUID SUBCOOLING (°F)	16	17	16	15	15	15	15
		SUCTION PRESSURE (PSIG)	123	130	137	145	150	155	160
		SUCTION TEMPERATURE (°F)	70	69	68	68	64	60	57
		SUCTION SUPERHEAT (°F)	28	24	20	17	12	6	1
		OUTDOOR UNIT CURRENT (A)	13.2	15.3	17.5	19.6	22.5	25.5	28.4
		COMPRESSOR CURRENT (A)	10.1	11.7	13.4	15.0	17.7	20.4	23.1
		INDOOR COIL DB TEMP DROP (°F)	16	15	15	15	14	14	13

FOR USE WITH MODELS WITH TXV:

YCJD60S41S2
YCJD60S43S4
YCJD60S44S4
TCJD60S41S4
TCJD60S43S4
TCJD60S44S4
TCGD60S41S4
GCGD60S41S4
CCGD60S41Q5
RAC13J604S21
RAC13J604S31

YCJD60S41S2 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			
65	230(1)	230(2)	234(2)	234(4)
70	252(3)	252(4)	256(4)	257(5)
75	274(5)	275(5)	279(6)	282(6)
80	299(7)	300(7)	304(8)	307(7)
85	324(9)	326(9)	330(9)	333(8)
90	352(10)	353(10)	357(11)	361(9)
95	380(12)	381(12)	385(13)	389(11)
100	410(13)	411(13)	415(14)	418(12)
105	441(15)	442(15)	445(15)	449(13)
110	473(16)	474(16)	477(16)	480(14)
115	507(17)	507(17)	510(17)	513(15)
120	543(18)	542(18)	544(18)	546(16)
125	579(19)	578(19)	580(19)	580(17)

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

Charging chart is for use in Cooling mode only.

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

YCJD60S41S2 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD60S41S2	35	107	58.0	3.70	55.0	4.06	51.9	4.46	48.8	4.92	45.5	5.48	42.0	6.12	38.3	6.89
	40	118	63.6	3.74	60.4	4.10	57.0	4.50	53.6	4.97	50.2	5.50	46.4	6.14	42.6	6.87
	45	130	69.5	3.81	66.0	4.16	62.5	4.56	58.7	5.03	55.0	5.56	51.2	6.16	47.0	6.89
	50	142	75.9	3.88	72.0	4.24	68.2	4.63	64.2	5.10	60.1	5.63	56.1	6.21	51.7	6.91
	55	156	82.7	3.96	78.4	4.32	74.2	4.71	70.0	5.17	65.4	5.72	61.3	6.29	56.7	6.94

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJD60S41S2 (TXV) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1600	LIQUID PRESSURE (PSIG)	229	278	328	377	444	512	579
		LIQUID TEMPERATURE (°F)	75	83	91	99	108	117	126
		LIQUID SUBCOOLING (°F)	3	8	11	13	17	18	19
		SUCTION PRESSURE (PSIG)	116	119	121	124	127	130	134
		SUCTION TEMPERATURE (°F)	52	53	53	54	55	57	59
		SUCTION SUPERHEAT (°F)	13	13	12	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	13.0	15.0	17.0	19.0	22.2	25.4	28.6
		COMPRESSOR CURRENT (A)	9.9	11.4	12.9	14.4	17.4	20.3	23.3
		INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	23	22	21
	1800	LIQUID PRESSURE (PSIG)	230	279	328	377	445	512	579
		LIQUID TEMPERATURE (°F)	75	83	91	99	108	117	126
		LIQUID SUBCOOLING (°F)	3	8	11	13	16	18	19
		SUCTION PRESSURE (PSIG)	118	121	123	126	129	133	136
		SUCTION TEMPERATURE (°F)	54	54	54	55	56	58	60
		SUCTION SUPERHEAT (°F)	14	13	12	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	13.0	15.0	17.0	19.0	22.2	25.4	28.6
		COMPRESSOR CURRENT (A)	10.0	11.5	13.0	14.5	17.4	20.3	23.3
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	22	21	21	20
	2000	LIQUID PRESSURE (PSIG)	230	280	329	378	445	512	579
		LIQUID TEMPERATURE (°F)	75	84	92	100	109	118	127
		LIQUID SUBCOOLING (°F)	3	8	11	13	16	18	19
		SUCTION PRESSURE (PSIG)	120	123	126	129	132	135	138
		SUCTION TEMPERATURE (°F)	56	56	56	56	58	59	61
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	13.0	15.0	17.0	19.0	22.2	25.4	28.6
		COMPRESSOR CURRENT (A)	10.0	11.5	13.0	14.5	17.4	20.4	23.3
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	19	19
80/57	1600	LIQUID PRESSURE (PSIG)	227	276	325	374	442	510	579
		LIQUID TEMPERATURE (°F)	77	85	92	100	109	117	126
		LIQUID SUBCOOLING (°F)	0	6	9	12	16	18	19
		SUCTION PRESSURE (PSIG)	112	115	119	123	127	131	135
		SUCTION TEMPERATURE (°F)	52	52	53	53	55	58	60
		SUCTION SUPERHEAT (°F)	15	14	13	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	12.8	14.8	16.9	18.9	22.1	25.2	28.4
		COMPRESSOR CURRENT (A)	10.0	11.4	12.9	14.3	17.2	20.2	23.1
		INDOOR COIL DB TEMP DROP (°F)	31	30	30	30	28	27	25
	1800	LIQUID PRESSURE (PSIG)	229	277	326	375	442	510	578
		LIQUID TEMPERATURE (°F)	77	85	93	101	109	118	127
		LIQUID SUBCOOLING (°F)	1	6	9	11	15	17	19
		SUCTION PRESSURE (PSIG)	115	119	123	127	131	135	139
		SUCTION TEMPERATURE (°F)	55	55	55	55	57	59	62
		SUCTION SUPERHEAT (°F)	16	14	13	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	12.9	14.9	16.9	19.0	22.1	25.2	28.4
		COMPRESSOR CURRENT (A)	10.0	11.5	12.9	14.4	17.3	20.2	23.1
		INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	25	23
	2000	LIQUID PRESSURE (PSIG)	230	278	327	375	442	510	577
		LIQUID TEMPERATURE (°F)	77	85	93	102	110	119	127
		LIQUID SUBCOOLING (°F)	1	6	8	10	14	17	18
		SUCTION PRESSURE (PSIG)	118	123	127	132	135	139	143
		SUCTION TEMPERATURE (°F)	57	57	57	57	59	61	63
		SUCTION SUPERHEAT (°F)	17	15	13	11	12	13	13
		OUTDOOR UNIT CURRENT (A)	13.0	15.0	17.0	19.0	22.1	25.3	28.4
		COMPRESSOR CURRENT (A)	10.1	11.5	13.0	14.4	17.3	20.2	23.1
		INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	24	22	21

Continued on next page.

YCJD60S41S2 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1600	LIQUID PRESSURE (PSIG)	227	277	326	376	443	510	577
		LIQUID TEMPERATURE (°F)	76	84	92	100	109	117	126
		LIQUID SUBCOOLING (°F)	2	6	10	12	16	18	19
		SUCTION PRESSURE (PSIG)	116	119	122	125	128	132	135
		SUCTION TEMPERATURE (°F)	51	52	53	54	56	58	60
		SUCTION SUPERHEAT (°F)	13	12	11	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	12.9	14.9	17.0	19.0	22.2	25.3	28.5
		COMPRESSOR CURRENT (A)	9.9	11.4	12.9	14.4	17.3	20.3	23.2
		INDOOR COIL DB TEMP DROP (°F)	28	28	28	27	26	25	24
	1800	LIQUID PRESSURE (PSIG)	228	278	327	376	443	510	577
		LIQUID TEMPERATURE (°F)	77	85	93	101	109	118	126
		LIQUID SUBCOOLING (°F)	1	6	9	11	15	17	19
		SUCTION PRESSURE (PSIG)	118	122	125	128	131	135	138
		SUCTION TEMPERATURE (°F)	54	54	54	55	57	59	62
		SUCTION SUPERHEAT (°F)	14	13	12	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	12.9	15.0	17.0	19.0	22.1	25.3	28.5
		COMPRESSOR CURRENT (A)	10.0	11.5	13.0	14.5	17.3	20.2	23.2
		INDOOR COIL DB TEMP DROP (°F)	26	26	26	26	25	24	23
	2000	LIQUID PRESSURE (PSIG)	230	279	328	377	443	509	576
		LIQUID TEMPERATURE (°F)	77	85	94	102	110	119	127
		LIQUID SUBCOOLING (°F)	1	6	8	10	14	17	18
		SUCTION PRESSURE (PSIG)	121	124	128	131	134	138	141
		SUCTION TEMPERATURE (°F)	57	57	56	56	58	61	63
		SUCTION SUPERHEAT (°F)	16	14	12	10	12	13	14
		OUTDOOR UNIT CURRENT (A)	13.0	15.0	17.0	19.0	22.1	25.3	28.4
		COMPRESSOR CURRENT (A)	10.0	11.5	13.0	14.5	17.4	20.2	23.1
		INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	23	22	21
80/67	1600	LIQUID PRESSURE (PSIG)	232	281	330	379	445	512	579
		LIQUID TEMPERATURE (°F)	78	86	93	101	109	118	127
		LIQUID SUBCOOLING (°F)	1	6	9	12	15	18	19
		SUCTION PRESSURE (PSIG)	125	128	131	134	137	141	144
		SUCTION TEMPERATURE (°F)	58	59	59	59	60	62	64
		SUCTION SUPERHEAT (°F)	15	14	13	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	13.1	15.1	17.1	19.1	22.3	25.4	28.6
		COMPRESSOR CURRENT (A)	10.2	11.6	13.1	14.5	17.4	20.4	23.3
		INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	22	21	20
	1800	LIQUID PRESSURE (PSIG)	232	282	331	380	446	513	579
		LIQUID TEMPERATURE (°F)	78	85	93	101	110	118	127
		LIQUID SUBCOOLING (°F)	1	6	10	12	15	18	19
		SUCTION PRESSURE (PSIG)	128	130	133	136	140	143	146
		SUCTION TEMPERATURE (°F)	60	60	60	60	62	63	65
		SUCTION SUPERHEAT (°F)	16	15	14	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	13.2	15.2	17.2	19.2	22.3	25.4	28.6
		COMPRESSOR CURRENT (A)	10.2	11.7	13.1	14.6	17.5	20.4	23.4
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	20	19
	2000	LIQUID PRESSURE (PSIG)	233	283	332	382	447	513	579
		LIQUID TEMPERATURE (°F)	77	85	93	101	110	118	127
		LIQUID SUBCOOLING (°F)	2	7	10	12	15	17	19
		SUCTION PRESSURE (PSIG)	130	133	136	139	142	145	148
		SUCTION TEMPERATURE (°F)	61	61	61	62	63	65	66
		SUCTION SUPERHEAT (°F)	16	15	14	13	14	14	14
		OUTDOOR UNIT CURRENT (A)	13.2	15.2	17.2	19.2	22.3	25.5	28.6
		COMPRESSOR CURRENT (A)	10.2	11.7	13.2	14.7	17.6	20.5	23.4
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	19	18

Continued on next page.

YCJD60S41S2 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1600	LIQUID PRESSURE (PSIG)	232	283	334	385	449	514	579
		LIQUID TEMPERATURE (°F)	76	86	95	104	112	120	128
		LIQUID SUBCOOLING (°F)	3	6	9	9	13	15	17
		SUCTION PRESSURE (PSIG)	132	137	142	147	150	154	157
		SUCTION TEMPERATURE (°F)	64	64	64	64	65	66	67
		SUCTION SUPERHEAT (°F)	18	16	14	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	13.3	15.3	17.3	19.3	22.4	25.4	28.5
		COMPRESSOR CURRENT (A)	10.2	11.7	13.2	14.7	17.5	20.4	23.2
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	17	16	16
	1800	LIQUID PRESSURE (PSIG)	233	284	334	385	450	514	579
		LIQUID TEMPERATURE (°F)	76	85	95	104	112	120	129
		LIQUID SUBCOOLING (°F)	3	7	9	9	13	15	17
		SUCTION PRESSURE (PSIG)	134	139	144	149	152	156	159
		SUCTION TEMPERATURE (°F)	65	65	65	65	66	67	68
		SUCTION SUPERHEAT (°F)	18	17	15	13	13	12	12
		OUTDOOR UNIT CURRENT (A)	13.3	15.3	17.3	19.4	22.4	25.4	28.5
		COMPRESSOR CURRENT (A)	10.2	11.7	13.2	14.8	17.6	20.4	23.3
		INDOOR COIL DB TEMP DROP (°F)	17	17	17	16	16	15	15
	2000	LIQUID PRESSURE (PSIG)	234	285	335	386	450	515	580
		LIQUID TEMPERATURE (°F)	76	85	95	104	112	121	129
		LIQUID SUBCOOLING (°F)	3	7	9	10	13	15	17
		SUCTION PRESSURE (PSIG)	136	141	146	151	154	158	162
		SUCTION TEMPERATURE (°F)	66	66	66	66	67	68	69
		SUCTION SUPERHEAT (°F)	19	17	15	14	13	13	12
		OUTDOOR UNIT CURRENT (A)	13.3	15.3	17.4	19.4	22.4	25.5	28.5
		COMPRESSOR CURRENT (A)	10.2	11.7	13.3	14.8	17.6	20.5	23.3
		INDOOR COIL DB TEMP DROP (°F)	16	16	16	15	15	14	14

FOR USE WITH MODELS:**YCJD76S43S3****TCJD76S43S3**

YCJD76S43S3 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			
65	241(8)	243(8)	248(5)	252(4)
70	264(10)	265(10)	270(8)	274(5)
75	288(12)	289(12)	294(10)	298(7)
80	313(14)	315(14)	319(12)	323(9)
85	340(15)	342(16)	345(14)	349(11)
90	368(17)	370(17)	373(16)	376(13)
95	397(18)	400(19)	402(17)	404(14)
100	428(19)	431(20)	433(19)	433(16)
105	460(20)	464(21)	464(20)	464(17)
110	493(21)	499(22)	497(21)	495(18)
115	527(22)	535(23)	532(22)	528(19)
120	563(22)	572(23)	568(23)	562(20)
125	601(23)	611(24)	605(23)	597(20)

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

Charging chart is for use in Cooling mode only.

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

YCJD76S43S3 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD76S43S3	35	107	69.5	4.90	66.0	5.33	62.4	5.82	58.6	6.39	54.6	7.05	50.3	7.80	45.8	8.66
	40	118	76.3	4.91	72.3	5.36	68.5	5.84	64.4	6.40	60.3	7.04	55.9	7.77	51.1	8.60
	45	130	83.4	4.94	79.2	5.38	74.8	5.88	70.6	6.42	66.1	7.07	61.5	7.77	56.7	8.54
	50	142	90.8	4.98	86.3	5.42	81.7	5.91	77.0	6.47	72.4	7.08	67.5	7.79	62.6	8.50
	55	156	98.6	5.03	93.8	5.47	89.0	5.96	83.8	6.52	78.8	7.14	73.6	7.83	68.5	8.53

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJD76S43S3 (TXV) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	2350	LIQUID PRESSURE (PSIG)	242	293	344	394	468	542	616
		LIQUID TEMPERATURE (°F)	71	80	88	97	106	116	125
		LIQUID SUBCOOLING (°F)	10	14	17	19	22	24	24
		SUCTION PRESSURE (PSIG)	124	125	127	128	131	134	136
		SUCTION TEMPERATURE (°F)	53	55	56	57	61	65	69
		SUCTION SUPERHEAT (°F)	11	12	12	13	16	19	21
		OUTDOOR UNIT CURRENT (A)	13.5	14.7	16.0	17.3	19.6	21.9	24.2
		COMPRESSOR CURRENT (A)	11.6	12.9	14.2	15.5	17.9	20.2	22.6
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	18
	2600	LIQUID PRESSURE (PSIG)	243	294	345	395	469	543	617
		LIQUID TEMPERATURE (°F)	72	80	89	97	107	116	125
		LIQUID SUBCOOLING (°F)	10	14	17	19	22	24	24
		SUCTION PRESSURE (PSIG)	126	128	129	130	133	136	138
		SUCTION TEMPERATURE (°F)	54	55	57	58	62	65	69
		SUCTION SUPERHEAT (°F)	11	11	12	13	16	18	21
		OUTDOOR UNIT CURRENT (A)	13.5	14.8	16.0	17.3	19.6	21.9	24.3
		COMPRESSOR CURRENT (A)	11.7	13.0	14.3	15.5	17.9	20.2	22.6
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	17
	2850	LIQUID PRESSURE (PSIG)	245	295	346	396	470	544	618
		LIQUID TEMPERATURE (°F)	72	81	89	97	107	116	125
		LIQUID SUBCOOLING (°F)	10	14	17	18	22	24	24
		SUCTION PRESSURE (PSIG)	129	130	131	133	135	137	140
		SUCTION TEMPERATURE (°F)	55	56	57	59	62	66	70
		SUCTION SUPERHEAT (°F)	10	11	12	13	15	18	21
		OUTDOOR UNIT CURRENT (A)	13.5	14.8	16.1	17.3	19.6	22.0	24.3
		COMPRESSOR CURRENT (A)	11.7	13.0	14.3	15.6	17.9	20.3	22.6
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	17
80/57	2350	LIQUID PRESSURE (PSIG)	238	289	340	390	461	531	602
		LIQUID TEMPERATURE (°F)	71	80	88	97	106	116	125
		LIQUID SUBCOOLING (°F)	9	14	16	18	21	23	23
		SUCTION PRESSURE (PSIG)	118	121	123	126	131	136	142
		SUCTION TEMPERATURE (°F)	53	55	57	59	63	68	72
		SUCTION SUPERHEAT (°F)	13	14	15	16	18	20	22
		OUTDOOR UNIT CURRENT (A)	13.4	14.6	15.9	17.1	19.5	21.9	24.4
		COMPRESSOR CURRENT (A)	11.5	12.8	14.1	15.4	17.8	20.2	22.7
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	25	23	22
	2600	LIQUID PRESSURE (PSIG)	240	291	341	392	461	530	599
		LIQUID TEMPERATURE (°F)	73	81	89	97	107	116	126
		LIQUID SUBCOOLING (°F)	8	12	16	18	20	22	23
		SUCTION PRESSURE (PSIG)	123	126	128	131	136	141	146
		SUCTION TEMPERATURE (°F)	54	56	58	60	64	68	72
		SUCTION SUPERHEAT (°F)	12	13	14	15	17	19	21
		OUTDOOR UNIT CURRENT (A)	13.4	14.7	15.9	17.2	19.5	21.9	24.2
		COMPRESSOR CURRENT (A)	11.6	12.9	14.1	15.4	17.8	20.2	22.6
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	23	22	20
	2850	LIQUID PRESSURE (PSIG)	242	292	343	393	461	529	596
		LIQUID TEMPERATURE (°F)	75	83	90	98	107	117	126
		LIQUID SUBCOOLING (°F)	6	11	15	17	20	21	22
		SUCTION PRESSURE (PSIG)	128	130	133	135	140	145	150
		SUCTION TEMPERATURE (°F)	56	57	59	61	65	69	73
		SUCTION SUPERHEAT (°F)	12	12	13	14	16	18	20
		OUTDOOR UNIT CURRENT (A)	13.5	14.7	16.0	17.2	19.5	21.8	24.1
		COMPRESSOR CURRENT (A)	11.7	12.9	14.2	15.5	17.8	20.1	22.5
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	20	19

Continued on next page.

YCJD76S43S3 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	2350	LIQUID PRESSURE (PSIG)	240	292	343	394	467	540	614
		LIQUID TEMPERATURE (°F)	72	81	89	97	107	116	125
		LIQUID SUBCOOLING (°F)	9	13	16	18	22	24	24
		SUCTION PRESSURE (PSIG)	125	126	127	129	132	135	138
		SUCTION TEMPERATURE (°F)	54	56	58	59	63	67	71
		SUCTION SUPERHEAT (°F)	11	13	14	15	18	20	23
		OUTDOOR UNIT CURRENT (A)	13.4	14.7	16.0	17.2	19.5	21.8	24.1
		COMPRESSOR CURRENT (A)	11.6	12.9	14.2	15.5	17.8	20.1	22.4
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	25	24	23	22
	2600	LIQUID PRESSURE (PSIG)	241	292	343	394	466	537	609
		LIQUID TEMPERATURE (°F)	74	82	90	98	107	116	125
		LIQUID SUBCOOLING (°F)	8	12	16	18	21	23	24
		SUCTION PRESSURE (PSIG)	128	129	130	131	135	138	141
		SUCTION TEMPERATURE (°F)	55	57	58	60	64	68	71
		SUCTION SUPERHEAT (°F)	11	12	13	15	17	19	22
		OUTDOOR UNIT CURRENT (A)	13.5	14.7	16.0	17.3	19.5	21.7	23.9
		COMPRESSOR CURRENT (A)	11.7	12.9	14.2	15.5	17.8	20.0	22.3
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	23	22	21
	2850	LIQUID PRESSURE (PSIG)	242	293	344	394	464	534	605
		LIQUID TEMPERATURE (°F)	75	83	90	98	107	116	126
		LIQUID SUBCOOLING (°F)	7	12	15	18	21	23	23
		SUCTION PRESSURE (PSIG)	130	132	133	134	138	141	145
		SUCTION TEMPERATURE (°F)	56	57	59	61	64	68	72
		SUCTION SUPERHEAT (°F)	11	12	13	14	16	19	21
		OUTDOOR UNIT CURRENT (A)	13.5	14.8	16.0	17.3	19.5	21.6	23.8
		COMPRESSOR CURRENT (A)	11.7	13.0	14.3	15.5	17.7	19.9	22.1
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20
80/67	2350	LIQUID PRESSURE (PSIG)	246	296	346	396	466	535	605
		LIQUID TEMPERATURE (°F)	77	84	92	99	108	117	126
		LIQUID SUBCOOLING (°F)	5	10	14	17	20	22	23
		SUCTION PRESSURE (PSIG)	138	139	140	142	144	146	149
		SUCTION TEMPERATURE (°F)	58	59	60	61	65	68	71
		SUCTION SUPERHEAT (°F)	10	11	11	12	14	16	19
		OUTDOOR UNIT CURRENT (A)	13.7	14.9	16.1	17.3	19.5	21.7	23.8
		COMPRESSOR CURRENT (A)	11.9	13.1	14.4	15.6	17.8	20.0	22.2
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	19	18
	2600	LIQUID PRESSURE (PSIG)	247	297	347	397	466	534	603
		LIQUID TEMPERATURE (°F)	78	85	92	99	108	117	126
		LIQUID SUBCOOLING (°F)	5	10	14	17	20	22	23
		SUCTION PRESSURE (PSIG)	140	142	143	144	146	149	151
		SUCTION TEMPERATURE (°F)	59	60	61	62	65	68	71
		SUCTION SUPERHEAT (°F)	10	11	11	12	14	16	18
		OUTDOOR UNIT CURRENT (A)	13.8	15.0	16.2	17.4	19.5	21.6	23.8
		COMPRESSOR CURRENT (A)	12.0	13.2	14.4	15.6	17.8	20.0	22.1
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	19	18	18
	2850	LIQUID PRESSURE (PSIG)	248	298	348	397	466	534	602
		LIQUID TEMPERATURE (°F)	78	85	93	100	108	117	126
		LIQUID SUBCOOLING (°F)	5	10	14	16	20	22	23
		SUCTION PRESSURE (PSIG)	143	144	145	147	149	151	153
		SUCTION TEMPERATURE (°F)	60	61	62	63	66	69	71
		SUCTION SUPERHEAT (°F)	10	11	11	11	13	15	18
		OUTDOOR UNIT CURRENT (A)	13.8	15.0	16.2	17.4	19.5	21.6	23.8
		COMPRESSOR CURRENT (A)	12.0	13.2	14.4	15.7	17.8	19.9	22.1
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	19	18	17	17

Continued on next page.

YCJD76S43S3 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	2350	LIQUID PRESSURE (PSIG)	250	299	349	398	464	531	597
		LIQUID TEMPERATURE (°F)	82	89	95	102	111	119	128
		LIQUID SUBCOOLING (°F)	2	7	11	14	17	19	20
		SUCTION PRESSURE (PSIG)	151	153	155	156	159	161	164
		SUCTION TEMPERATURE (°F)	62	63	64	65	66	67	68
		SUCTION SUPERHEAT (°F)	9	9	9	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	14.0	15.2	16.3	17.5	19.6	21.6	23.6
		COMPRESSOR CURRENT (A)	12.2	13.4	14.6	15.8	17.8	19.9	22.0
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	15	14
	2600	LIQUID PRESSURE (PSIG)	251	300	350	399	465	530	596
		LIQUID TEMPERATURE (°F)	82	89	96	102	111	119	128
		LIQUID SUBCOOLING (°F)	2	7	11	14	17	19	20
		SUCTION PRESSURE (PSIG)	153	155	157	159	161	163	166
		SUCTION TEMPERATURE (°F)	63	64	65	65	67	69	70
		SUCTION SUPERHEAT (°F)	9	9	9	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	14.0	15.2	16.4	17.6	19.6	21.6	23.6
		COMPRESSOR CURRENT (A)	12.2	13.4	14.6	15.8	17.9	19.9	21.9
		INDOOR COIL DB TEMP DROP (°F)	16	16	15	15	14	14	13
	2850	LIQUID PRESSURE (PSIG)	251	301	351	401	465	530	595
		LIQUID TEMPERATURE (°F)	82	89	96	103	111	119	127
		LIQUID SUBCOOLING (°F)	2	7	11	14	17	19	20
		SUCTION PRESSURE (PSIG)	155	157	159	161	163	165	168
		SUCTION TEMPERATURE (°F)	64	65	65	66	68	70	72
		SUCTION SUPERHEAT (°F)	9	9	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	14.0	15.2	16.4	17.6	19.6	21.6	23.5
		COMPRESSOR CURRENT (A)	12.2	13.5	14.7	15.9	17.9	19.9	21.9
		INDOOR COIL DB TEMP DROP (°F)	16	15	15	14	14	13	13

FOR USE WITH MODELS:**YCJD76S44S3****TCJD76S44S3**

YCJD76S44S3 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			
65	233(5)	236(6)	239(4)	243(3)
70	256(8)	259(9)	262(7)	266(4)
75	281(10)	283(11)	286(10)	289(7)
80	307(13)	309(14)	312(12)	314(9)
85	334(15)	336(16)	339(14)	340(11)
90	362(17)	365(18)	367(16)	367(13)
95	392(18)	395(19)	397(18)	396(15)
100	423(20)	427(21)	427(20)	425(17)
105	456(21)	460(22)	459(21)	455(18)
110	490(22)	494(23)	493(22)	487(19)
115	525(23)	530(24)	527(23)	520(20)
120	562(24)	567(24)	563(24)	554(21)
125	600(24)	606(25)	600(24)	589(22)

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

Charging chart is for use in Cooling mode only.

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

YCJD76S44S3 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCJD76S44S3	35	107	69.1	4.78	65.8	5.18	62.0	5.65	58.0	6.18	53.9	6.81	49.5	7.54	45.0	8.38
	40	118	75.9	4.86	72.1	5.28	68.3	5.72	64.1	6.24	59.7	6.86	55.2	7.57	50.4	8.39
	45	130	83.1	4.95	79.2	5.36	74.8	5.82	70.6	6.32	65.8	6.94	61.0	7.63	56.1	8.40
	50	142	90.7	5.07	86.6	5.47	82.1	5.92	77.1	6.43	72.5	7.01	67.3	7.72	62.2	8.43
	55	156	98.7	5.21	94.3	5.60	89.7	6.03	84.4	6.55	79.2	7.14	73.8	7.83	68.4	8.53

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCJD76S44S3 (TXV) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	2350	LIQUID PRESSURE (PSIG)	235	286	337	389	459	530	600
		LIQUID TEMPERATURE (°F)	71	79	87	95	105	114	124
		LIQUID SUBCOOLING (°F)	8	14	17	19	22	24	24
		SUCTION PRESSURE (PSIG)	129	129	130	131	136	141	146
		SUCTION TEMPERATURE (°F)	49	51	52	54	57	60	63
		SUCTION SUPERHEAT (°F)	5	6	8	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	6.6	7.2	7.8	8.5	9.6	10.7	11.7
		COMPRESSOR CURRENT (A)	5.6	6.3	6.9	7.6	8.7	9.8	10.9
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	21	21	21
	2600	LIQUID PRESSURE (PSIG)	235	287	338	389	462	534	607
		LIQUID TEMPERATURE (°F)	72	80	87	95	105	114	124
		LIQUID SUBCOOLING (°F)	8	13	17	19	23	25	25
		SUCTION PRESSURE (PSIG)	131	132	133	134	137	141	145
		SUCTION TEMPERATURE (°F)	50	52	53	55	58	61	64
		SUCTION SUPERHEAT (°F)	5	6	7	9	10	11	13
		OUTDOOR UNIT CURRENT (A)	6.6	7.2	7.9	8.5	9.6	10.7	11.8
		COMPRESSOR CURRENT (A)	5.6	6.3	6.9	7.6	8.7	9.8	11.0
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	20	20	20	19
	2850	LIQUID PRESSURE (PSIG)	236	287	339	390	465	539	614
		LIQUID TEMPERATURE (°F)	73	80	88	95	105	114	124
		LIQUID SUBCOOLING (°F)	7	13	16	19	23	25	26
		SUCTION PRESSURE (PSIG)	134	135	136	136	139	141	143
		SUCTION TEMPERATURE (°F)	51	52	54	56	59	61	64
		SUCTION SUPERHEAT (°F)	4	6	7	9	10	12	14
		OUTDOOR UNIT CURRENT (A)	6.6	7.3	7.9	8.5	9.7	10.8	12.0
		COMPRESSOR CURRENT (A)	5.7	6.3	6.9	7.6	8.8	9.9	11.1
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	19	19	18	17
80/57	2350	LIQUID PRESSURE (PSIG)	230	282	334	386	458	530	603
		LIQUID TEMPERATURE (°F)	72	80	88	96	105	114	124
		LIQUID SUBCOOLING (°F)	7	12	16	18	22	24	25
		SUCTION PRESSURE (PSIG)	124	126	128	130	134	138	143
		SUCTION TEMPERATURE (°F)	50	52	54	55	58	61	64
		SUCTION SUPERHEAT (°F)	8	9	10	10	12	13	14
		OUTDOOR UNIT CURRENT (A)	6.5	7.1	7.8	8.4	9.5	10.6	11.6
		COMPRESSOR CURRENT (A)	5.5	6.2	6.8	7.5	8.6	9.7	10.8
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	23
	2600	LIQUID PRESSURE (PSIG)	232	284	335	387	457	528	599
		LIQUID TEMPERATURE (°F)	74	82	89	96	105	115	124
		LIQUID SUBCOOLING (°F)	5	11	15	18	21	23	24
		SUCTION PRESSURE (PSIG)	129	131	133	135	139	143	147
		SUCTION TEMPERATURE (°F)	52	54	55	57	59	62	65
		SUCTION SUPERHEAT (°F)	8	8	9	10	11	12	14
		OUTDOOR UNIT CURRENT (A)	6.6	7.2	7.8	8.4	9.5	10.5	11.6
		COMPRESSOR CURRENT (A)	5.6	6.2	6.9	7.5	8.6	9.6	10.7
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	24	23	22
	2850	LIQUID PRESSURE (PSIG)	234	285	336	388	457	526	595
		LIQUID TEMPERATURE (°F)	77	83	90	97	106	115	124
		LIQUID SUBCOOLING (°F)	3	9	14	18	21	23	23
		SUCTION PRESSURE (PSIG)	135	136	138	140	143	147	151
		SUCTION TEMPERATURE (°F)	54	55	57	58	61	63	66
		SUCTION SUPERHEAT (°F)	7	8	9	9	11	12	13
		OUTDOOR UNIT CURRENT (A)	6.6	7.2	7.8	8.5	9.5	10.5	11.5
		COMPRESSOR CURRENT (A)	5.6	6.3	6.9	7.5	8.6	9.6	10.7
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	20

Continued on next page.

YCJD76S44S3 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	2350	LIQUID PRESSURE (PSIG)	234	286	338	389	462	536	609
		LIQUID TEMPERATURE (°F)	73	80	88	96	105	115	124
		LIQUID SUBCOOLING (°F)	7	12	16	19	22	24	25
		SUCTION PRESSURE (PSIG)	131	131	132	133	136	138	141
		SUCTION TEMPERATURE (°F)	52	53	55	56	59	61	64
		SUCTION SUPERHEAT (°F)	7	8	9	10	11	13	15
		OUTDOOR UNIT CURRENT (A)	6.6	7.2	7.9	8.5	9.6	10.7	11.8
		COMPRESSOR CURRENT (A)	5.6	6.3	6.9	7.6	8.7	9.8	10.9
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	23	23
	2600	LIQUID PRESSURE (PSIG)	234	286	338	389	461	533	605
		LIQUID TEMPERATURE (°F)	73	81	88	96	105	115	124
		LIQUID SUBCOOLING (°F)	6	12	16	19	22	24	25
		SUCTION PRESSURE (PSIG)	133	134	135	136	138	141	144
		SUCTION TEMPERATURE (°F)	52	54	55	57	59	61	64
		SUCTION SUPERHEAT (°F)	6	8	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	6.6	7.3	7.9	8.5	9.6	10.7	11.8
		COMPRESSOR CURRENT (A)	5.7	6.3	6.9	7.6	8.7	9.8	10.9
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	23	22
	2850	LIQUID PRESSURE (PSIG)	234	286	338	390	460	530	600
		LIQUID TEMPERATURE (°F)	74	81	89	96	105	115	124
		LIQUID SUBCOOLING (°F)	6	11	16	19	22	23	24
		SUCTION PRESSURE (PSIG)	134	136	137	139	141	144	146
		SUCTION TEMPERATURE (°F)	53	55	56	58	60	61	63
		SUCTION SUPERHEAT (°F)	6	7	9	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	6.7	7.3	7.9	8.5	9.6	10.7	11.7
		COMPRESSOR CURRENT (A)	5.7	6.4	7.0	7.6	8.7	9.8	10.9
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	23	22	21
80/67	2350	LIQUID PRESSURE (PSIG)	238	289	340	392	461	530	599
		LIQUID TEMPERATURE (°F)	75	82	90	97	106	115	124
		LIQUID SUBCOOLING (°F)	6	11	15	18	21	23	24
		SUCTION PRESSURE (PSIG)	142	143	144	146	148	151	153
		SUCTION TEMPERATURE (°F)	57	58	59	59	62	64	67
		SUCTION SUPERHEAT (°F)	8	8	8	8	10	11	13
		OUTDOOR UNIT CURRENT (A)	6.7	7.3	7.9	8.5	9.6	10.7	11.8
		COMPRESSOR CURRENT (A)	5.7	6.4	7.0	7.6	8.7	9.8	10.9
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	20	19
	2600	LIQUID PRESSURE (PSIG)	237	289	340	392	461	529	599
		LIQUID TEMPERATURE (°F)	76	83	90	97	106	115	124
		LIQUID SUBCOOLING (°F)	4	10	15	18	21	23	24
		SUCTION PRESSURE (PSIG)	145	146	147	148	151	153	155
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	65	67
		SUCTION SUPERHEAT (°F)	8	8	9	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	6.7	7.4	8.0	8.6	9.6	10.7	11.7
		COMPRESSOR CURRENT (A)	5.8	6.4	7.0	7.7	8.7	9.8	10.9
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	19	18
	2850	LIQUID PRESSURE (PSIG)	237	288	340	392	460	529	598
		LIQUID TEMPERATURE (°F)	78	84	91	97	106	115	124
		LIQUID SUBCOOLING (°F)	2	9	14	18	21	23	24
		SUCTION PRESSURE (PSIG)	148	149	150	151	153	155	157
		SUCTION TEMPERATURE (°F)	59	61	62	63	64	65	67
		SUCTION SUPERHEAT (°F)	7	8	9	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	6.8	7.4	8.0	8.6	9.7	10.7	11.7
		COMPRESSOR CURRENT (A)	5.8	6.5	7.1	7.7	8.8	9.8	10.9
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	19	18	17

Continued on next page.

YCJD76S44S3 (TXV) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	2350	LIQUID PRESSURE (PSIG)	241	291	340	390	456	522	588
		LIQUID TEMPERATURE (°F)	80	87	93	99	108	116	125
		LIQUID SUBCOOLING (°F)	1	7	12	15	19	21	22
		SUCTION PRESSURE (PSIG)	155	157	159	161	163	165	167
		SUCTION TEMPERATURE (°F)	63	63	64	64	65	67	68
		SUCTION SUPERHEAT (°F)	8	8	8	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	6.8	7.5	8.1	8.7	9.7	10.6	11.6
		COMPRESSOR CURRENT (A)	5.9	6.5	7.1	7.8	8.8	9.7	10.7
		INDOOR COIL DB TEMP DROP (°F)	18	18	17	16	16	15	15
	2600	LIQUID PRESSURE (PSIG)	242	292	341	391	457	522	588
		LIQUID TEMPERATURE (°F)	80	87	93	100	108	116	125
		LIQUID SUBCOOLING (°F)	1	7	12	15	18	21	22
		SUCTION PRESSURE (PSIG)	158	160	161	163	165	167	169
		SUCTION TEMPERATURE (°F)	64	64	65	65	66	67	68
		SUCTION SUPERHEAT (°F)	8	8	8	8	8	9	9
		OUTDOOR UNIT CURRENT (A)	6.9	7.5	8.1	8.7	9.7	10.6	11.6
		COMPRESSOR CURRENT (A)	5.9	6.6	7.2	7.8	8.8	9.8	10.7
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	16	15	14	14
	2850	LIQUID PRESSURE (PSIG)	243	293	342	392	457	522	587
		LIQUID TEMPERATURE (°F)	81	87	94	101	109	117	125
		LIQUID SUBCOOLING (°F)	1	7	11	15	18	20	22
		SUCTION PRESSURE (PSIG)	161	162	164	166	167	169	171
		SUCTION TEMPERATURE (°F)	65	65	65	66	67	68	69
		SUCTION SUPERHEAT (°F)	8	8	8	8	8	9	9
		OUTDOOR UNIT CURRENT (A)	7.0	7.5	8.1	8.7	9.7	10.7	11.6
		COMPRESSOR CURRENT (A)	6.0	6.6	7.2	7.8	8.8	9.8	10.7
		INDOOR COIL DB TEMP DROP (°F)	16	15	15	15	14	14	13

FOR USE WITH MODELS:**YCHD18S41S1****TCHD18S41S3**

YCHD18S41S1 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			
65	240(4)	240(4)	248(3)	253(3)
70	260(6)	261(6)	267(3)	273(3)
75	283(8)	284(8)	288(5)	295(3)
80	308(10)	310(10)	312(7)	318(5)
85	336(12)	337(12)	339(9)	343(6)
90	366(13)	367(14)	369(11)	370(8)
95	399(15)	400(16)	401(13)	398(9)
100	434(17)	434(18)	435(16)	429(11)
105	471(19)	471(20)	473(18)	460(12)
110	511(21)	510(22)	513(20)	494(14)
115	554(23)	551(24)	555(23)	529(16)
120	598(26)	595(25)	600(25)	566(18)

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

Charging chart is for use in Cooling mode only.

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

YCHD18S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCHD18S41S1	35	107	17.7	1.21	16.8	1.34	15.8	1.49	14.7	1.64	13.6	1.83	12.5	2.04	11.2	2.30
	40	118	19.5	1.21	18.5	1.35	17.4	1.49	16.3	1.65	15.1	1.83	14.0	1.90	12.6	2.28
	45	130	21.4	1.22	20.3	1.36	19.1	1.50	17.9	1.66	16.6	1.84	15.4	2.05	14.1	2.27
	50	142	23.4	1.23	22.1	1.37	20.9	1.52	19.6	1.67	18.2	1.87	16.9	2.06	15.5	2.28
	55	156	25.5	1.24	24.1	1.39	22.8	1.54	21.3	1.70	19.9	1.89	18.5	2.09	17.1	2.29

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCHD18S41S1 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	450	LIQUID PRESSURE (PSIG)	241	291	340	390	481	572	618
		LIQUID TEMPERATURE (°F)	76	84	91	99	108	117	122
		LIQUID SUBCOOLING (°F)	6	10	14	16	23	28	30
		SUCTION PRESSURE (PSIG)	123	125	127	129	132	135	137
		SUCTION TEMPERATURE (°F)	49	52	55	58	63	67	69
		SUCTION SUPERHEAT (°F)	7	9	12	14	17	20	21
		OUTDOOR UNIT CURRENT (A)	4.2	4.9	5.7	6.4	8.1	9.8	10.7
		COMPRESSOR CURRENT (A)	3.7	4.5	5.2	5.9	7.6	9.3	10.2
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20
	600	LIQUID PRESSURE (PSIG)	243	292	341	390	476	563	607
		LIQUID TEMPERATURE (°F)	78	86	93	100	109	118	123
		LIQUID SUBCOOLING (°F)	4	9	12	14	21	26	28
		SUCTION PRESSURE (PSIG)	130	131	133	135	138	141	142
		SUCTION TEMPERATURE (°F)	51	54	57	60	64	68	71
		SUCTION SUPERHEAT (°F)	6	9	11	13	16	19	21
		OUTDOOR UNIT CURRENT (A)	4.2	4.9	5.6	6.3	7.9	9.5	10.3
		COMPRESSOR CURRENT (A)	3.7	4.4	5.1	5.9	7.4	9.0	9.8
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	19
	750	LIQUID PRESSURE (PSIG)	245	293	341	389	471	553	594
		LIQUID TEMPERATURE (°F)	81	88	95	102	110	119	123
		LIQUID SUBCOOLING (°F)	2	7	10	13	19	23	25
		SUCTION PRESSURE (PSIG)	136	138	139	141	143	146	147
		SUCTION TEMPERATURE (°F)	53	56	59	62	66	70	72
		SUCTION SUPERHEAT (°F)	6	8	10	12	16	19	21
		OUTDOOR UNIT CURRENT (A)	4.2	4.9	5.6	6.3	7.7	9.2	9.9
		COMPRESSOR CURRENT (A)	3.7	4.4	5.1	5.8	7.3	8.7	9.5
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	19	18	17	17
80/57	450	LIQUID PRESSURE (PSIG)	232	285	338	390	483	577	624
		LIQUID TEMPERATURE (°F)	72	81	89	98	108	117	122
		LIQUID SUBCOOLING (°F)	7	12	15	17	24	28	30
		SUCTION PRESSURE (PSIG)	114	115	117	118	124	130	134
		SUCTION TEMPERATURE (°F)	48	51	54	57	62	66	69
		SUCTION SUPERHEAT (°F)	10	12	15	17	19	21	23
		OUTDOOR UNIT CURRENT (A)	4.1	4.9	5.7	6.4	8.3	10.1	11.0
		COMPRESSOR CURRENT (A)	3.6	4.4	5.2	6.0	7.8	9.6	10.6
		INDOOR COIL DB TEMP DROP (°F)	34	32	30	29	27	26	26
	600	LIQUID PRESSURE (PSIG)	238	288	338	389	474	558	601
		LIQUID TEMPERATURE (°F)	77	85	93	101	110	119	123
		LIQUID SUBCOOLING (°F)	4	9	12	14	20	24	26
		SUCTION PRESSURE (PSIG)	125	127	129	131	136	141	143
		SUCTION TEMPERATURE (°F)	52	54	57	60	64	68	70
		SUCTION SUPERHEAT (°F)	9	11	12	14	17	19	20
		OUTDOOR UNIT CURRENT (A)	4.1	4.9	5.6	6.3	7.9	9.5	10.3
		COMPRESSOR CURRENT (A)	3.7	4.4	5.1	5.9	7.5	9.1	9.9
		INDOOR COIL DB TEMP DROP (°F)	29	28	26	25	24	22	22
	750	LIQUID PRESSURE (PSIG)	243	291	339	388	464	540	579
		LIQUID TEMPERATURE (°F)	81	89	96	104	112	120	124
		LIQUID SUBCOOLING (°F)	1	5	8	10	16	20	22
		SUCTION PRESSURE (PSIG)	137	139	142	145	148	151	153
		SUCTION TEMPERATURE (°F)	55	58	60	63	66	70	72
		SUCTION SUPERHEAT (°F)	7	9	11	12	15	17	18
		OUTDOOR UNIT CURRENT (A)	4.2	4.9	5.5	6.2	7.6	8.9	9.6
		COMPRESSOR CURRENT (A)	3.7	4.4	5.1	5.8	7.1	8.5	9.2
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	20	19	19

Continued on next page.

YCHD18S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	450	LIQUID PRESSURE (PSIG)	235	288	341	394	481	569	613
		LIQUID TEMPERATURE (°F)	73	81	90	98	107	117	122
		LIQUID SUBCOOLING (°F)	7	12	16	18	24	27	29
		SUCTION PRESSURE (PSIG)	118	120	122	124	129	134	137
		SUCTION TEMPERATURE (°F)	52	55	58	61	65	69	71
		SUCTION SUPERHEAT (°F)	12	14	16	19	20	22	24
		OUTDOOR UNIT CURRENT (A)	4.2	5.0	5.7	6.5	8.1	9.7	10.6
		COMPRESSOR CURRENT (A)	3.7	4.5	5.2	6.0	7.6	9.3	10.1
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	24
	600	LIQUID PRESSURE (PSIG)	238	289	340	391	473	556	598
		LIQUID TEMPERATURE (°F)	77	85	93	100	109	118	123
		LIQUID SUBCOOLING (°F)	3	9	12	15	20	24	26
		SUCTION PRESSURE (PSIG)	129	130	132	133	137	141	143
		SUCTION TEMPERATURE (°F)	54	57	60	63	67	71	73
		SUCTION SUPERHEAT (°F)	9	12	14	17	19	21	22
		OUTDOOR UNIT CURRENT (A)	4.2	4.9	5.6	6.4	7.9	9.4	10.2
		COMPRESSOR CURRENT (A)	3.7	4.4	5.2	5.9	7.4	8.9	9.7
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	22
	750	LIQUID PRESSURE (PSIG)	242	290	339	387	465	543	582
		LIQUID TEMPERATURE (°F)	82	89	96	103	111	119	124
		LIQUID SUBCOOLING (°F)	0	5	9	12	17	21	23
		SUCTION PRESSURE (PSIG)	139	140	141	142	145	148	150
		SUCTION TEMPERATURE (°F)	55	59	62	66	69	72	74
		SUCTION SUPERHEAT (°F)	7	10	13	16	18	20	21
		OUTDOOR UNIT CURRENT (A)	4.2	4.9	5.6	6.3	7.6	9.0	9.7
		COMPRESSOR CURRENT (A)	3.7	4.4	5.1	5.8	7.1	8.5	9.2
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	20
80/67	450	LIQUID PRESSURE (PSIG)	244	292	341	389	485	581	629
		LIQUID TEMPERATURE (°F)	79	87	94	102	110	118	123
		LIQUID SUBCOOLING (°F)	3	7	11	13	22	28	30
		SUCTION PRESSURE (PSIG)	132	135	137	140	141	143	144
		SUCTION TEMPERATURE (°F)	55	58	62	66	70	74	76
		SUCTION SUPERHEAT (°F)	9	11	14	17	20	24	26
		OUTDOOR UNIT CURRENT (A)	4.2	4.9	5.6	6.3	8.1	9.9	10.8
		COMPRESSOR CURRENT (A)	3.7	4.4	5.1	5.8	7.6	9.4	10.4
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	21	20	20
	600	LIQUID PRESSURE (PSIG)	245	293	342	390	475	560	603
		LIQUID TEMPERATURE (°F)	81	89	96	103	111	120	124
		LIQUID SUBCOOLING (°F)	1	6	9	12	19	24	26
		SUCTION PRESSURE (PSIG)	140	142	144	146	148	149	150
		SUCTION TEMPERATURE (°F)	57	60	63	67	71	74	76
		SUCTION SUPERHEAT (°F)	8	10	13	16	19	22	24
		OUTDOOR UNIT CURRENT (A)	4.2	4.9	5.6	6.3	7.8	9.3	10.1
		COMPRESSOR CURRENT (A)	3.7	4.4	5.1	5.8	7.3	8.8	9.6
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	20	19	18	18
	750	LIQUID PRESSURE (PSIG)	247	295	343	391	465	539	577
		LIQUID TEMPERATURE (°F)	83	90	98	105	113	121	125
		LIQUID SUBCOOLING (°F)	0	4	8	10	16	19	21
		SUCTION PRESSURE (PSIG)	149	150	151	152	154	156	157
		SUCTION TEMPERATURE (°F)	59	62	65	68	71	74	76
		SUCTION SUPERHEAT (°F)	6	9	12	15	17	19	21
		OUTDOOR UNIT CURRENT (A)	4.2	4.9	5.6	6.3	7.5	8.7	9.4
		COMPRESSOR CURRENT (A)	3.7	4.4	5.1	5.8	7.0	8.2	8.9
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	18	17	16	16

Continued on next page.

YCHD18S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	450	LIQUID PRESSURE (PSIG)	247	294	342	390	462	533	569
		LIQUID TEMPERATURE (°F)	83	90	97	104	113	121	125
		LIQUID SUBCOOLING (°F)	0	4	8	11	15	18	20
		SUCTION PRESSURE (PSIG)	148	150	151	152	155	157	159
		SUCTION TEMPERATURE (°F)	59	61	63	65	68	71	73
		SUCTION SUPERHEAT (°F)	7	8	10	12	13	15	16
		OUTDOOR UNIT CURRENT (A)	4.1	4.8	5.5	6.2	7.4	8.6	9.2
		COMPRESSOR CURRENT (A)	3.6	4.3	5.0	5.7	6.9	8.1	8.7
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	17
	600	LIQUID PRESSURE (PSIG)	251	298	345	392	462	532	568
		LIQUID TEMPERATURE (°F)	83	91	100	108	115	122	126
		LIQUID SUBCOOLING (°F)	1	4	6	8	13	17	19
		SUCTION PRESSURE (PSIG)	155	156	158	159	161	163	164
		SUCTION TEMPERATURE (°F)	62	63	65	67	70	73	74
		SUCTION SUPERHEAT (°F)	7	8	10	11	13	15	16
		OUTDOOR UNIT CURRENT (A)	4.2	4.8	5.5	6.2	7.3	8.5	9.1
		COMPRESSOR CURRENT (A)	3.7	4.4	5.0	5.7	6.9	8.0	8.6
		INDOOR COIL DB TEMP DROP (°F)	17	17	17	16	15	15	15
	750	LIQUID PRESSURE (PSIG)	256	301	347	393	462	532	567
		LIQUID TEMPERATURE (°F)	84	93	102	111	117	124	127
		LIQUID SUBCOOLING (°F)	2	4	5	5	11	15	17
		SUCTION PRESSURE (PSIG)	162	163	164	166	167	168	169
		SUCTION TEMPERATURE (°F)	64	66	67	69	71	74	76
		SUCTION SUPERHEAT (°F)	7	8	9	10	12	15	16
		OUTDOOR UNIT CURRENT (A)	4.2	4.9	5.5	6.2	7.3	8.4	9.0
		COMPRESSOR CURRENT (A)	3.7	4.4	5.0	5.7	6.8	8.0	8.6
		INDOOR COIL DB TEMP DROP (°F)	15	14	14	14	13	13	13

FOR USE WITH MODELS:**YCHD24S41S1****TCHD24S41S3**

YCHD24S41S1 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			
65	256(6)	255(3)	262(3)	268(3)
70	280(9)	279(6)	287(5)	291(5)
75	306(11)	305(9)	312(8)	316(7)
80	333(13)	334(12)	339(11)	342(9)
85	362(15)	364(15)	367(14)	369(11)
90	393(17)	396(17)	397(16)	397(12)
95	426(19)	431(20)	427(18)	426(14)
100	460(21)	467(22)	458(19)	457(15)
105	496(22)	505(24)	491(20)	489(17)
110	534(24)	545(26)	525(21)	522(18)
115	573(25)	587(28)	560(22)	556(19)
120	615(26)	631(29)	596(22)	591(20)

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

Charging chart is for use in Cooling mode only.

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

YCHD24S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCHD24S41S1	35	107	22.5	1.48	21.4	1.64	20.2	1.80	18.9	1.99	17.5	2.21	16.3	2.44	14.9	2.72
	40	118	24.7	1.49	23.4	1.66	22.0	1.82	20.7	2.01	19.2	2.23	17.8	2.46	16.5	2.72
	45	130	27.0	1.50	25.5	1.67	24.0	1.84	22.5	2.04	21.0	2.27	19.6	2.51	17.9	2.74
	50	142	29.4	1.52	27.7	1.69	26.1	1.87	24.4	2.08	22.3	2.30	20.9	2.57	19.5	2.80
	55	156	31.8	1.54	30.1	1.71	28.2	1.90	26.4	2.12	24.5	2.36	22.5	2.62	21.7	2.76

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCHD24S41S1 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	256	309	362	415	503	592	636
		LIQUID TEMPERATURE (°F)	76	84	92	100	109	118	123
		LIQUID SUBCOOLING (°F)	9	14	17	19	24	29	31
		SUCTION PRESSURE (PSIG)	124	126	128	130	133	136	138
		SUCTION TEMPERATURE (°F)	50	52	53	55	58	61	62
		SUCTION SUPERHEAT (°F)	8	8	9	10	12	13	14
		OUTDOOR UNIT CURRENT (A)	5.5	6.4	7.4	8.3	10.2	12.1	13.0
		COMPRESSOR CURRENT (A)	4.9	5.9	6.8	7.8	9.7	11.6	12.5
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	20
	800	LIQUID PRESSURE (PSIG)	258	311	364	417	502	587	630
		LIQUID TEMPERATURE (°F)	78	86	93	101	110	119	123
		LIQUID SUBCOOLING (°F)	8	13	16	19	23	27	29
		SUCTION PRESSURE (PSIG)	128	130	132	135	138	141	142
		SUCTION TEMPERATURE (°F)	52	53	55	57	60	63	64
		SUCTION SUPERHEAT (°F)	8	9	9	10	12	13	14
		OUTDOOR UNIT CURRENT (A)	5.5	6.4	7.4	8.3	10.1	11.9	12.8
		COMPRESSOR CURRENT (A)	5.0	5.9	6.9	7.8	9.6	11.4	12.3
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	18	18
	1000	LIQUID PRESSURE (PSIG)	260	313	366	419	501	584	625
		LIQUID TEMPERATURE (°F)	79	87	94	102	111	120	124
		LIQUID SUBCOOLING (°F)	7	12	16	18	22	26	28
		SUCTION PRESSURE (PSIG)	132	134	137	139	141	144	145
		SUCTION TEMPERATURE (°F)	54	55	57	59	61	64	65
		SUCTION SUPERHEAT (°F)	8	9	9	10	12	13	14
		OUTDOOR UNIT CURRENT (A)	5.5	6.5	7.4	8.4	10.1	11.8	12.6
		COMPRESSOR CURRENT (A)	5.0	6.0	6.9	7.9	9.6	11.3	12.1
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	16	16
80/57	600	LIQUID PRESSURE (PSIG)	249	307	364	422	508	593	636
		LIQUID TEMPERATURE (°F)	74	83	91	100	109	118	123
		LIQUID SUBCOOLING (°F)	9	15	19	21	25	29	31
		SUCTION PRESSURE (PSIG)	117	120	123	126	129	132	134
		SUCTION TEMPERATURE (°F)	47	49	52	55	57	59	60
		SUCTION SUPERHEAT (°F)	7	9	11	12	13	14	14
		OUTDOOR UNIT CURRENT (A)	5.4	6.4	7.4	8.4	10.3	12.2	13.1
		COMPRESSOR CURRENT (A)	4.9	5.9	6.9	7.9	9.8	11.7	12.6
		INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	28	27	26
	800	LIQUID PRESSURE (PSIG)	254	309	364	419	497	576	615
		LIQUID TEMPERATURE (°F)	79	87	94	102	111	120	124
		LIQUID SUBCOOLING (°F)	6	12	16	18	21	24	26
		SUCTION PRESSURE (PSIG)	127	130	133	136	140	143	145
		SUCTION TEMPERATURE (°F)	51	53	56	58	60	63	64
		SUCTION SUPERHEAT (°F)	7	9	10	11	12	13	13
		OUTDOOR UNIT CURRENT (A)	5.4	6.4	7.4	8.4	10.0	11.7	12.5
		COMPRESSOR CURRENT (A)	4.9	5.9	6.9	7.9	9.5	11.1	11.9
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	23	22
	1000	LIQUID PRESSURE (PSIG)	260	312	364	416	487	558	594
		LIQUID TEMPERATURE (°F)	84	91	97	104	113	122	126
		LIQUID SUBCOOLING (°F)	3	8	12	15	18	21	22
		SUCTION PRESSURE (PSIG)	136	140	143	147	151	154	156
		SUCTION TEMPERATURE (°F)	56	57	59	61	64	67	68
		SUCTION SUPERHEAT (°F)	8	8	9	9	11	12	13
		OUTDOOR UNIT CURRENT (A)	5.5	6.5	7.4	8.4	9.8	11.1	11.8
		COMPRESSOR CURRENT (A)	5.0	6.0	6.9	7.9	9.3	10.6	11.3
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	20	19	18

Continued on next page.

YCHD24S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	600	LIQUID PRESSURE (PSIG)	249	308	367	426	521	616	663
		LIQUID TEMPERATURE (°F)	76	84	92	101	109	118	122
		LIQUID SUBCOOLING (°F)	7	14	18	21	27	32	35
		SUCTION PRESSURE (PSIG)	123	125	128	130	133	136	137
		SUCTION TEMPERATURE (°F)	49	52	54	57	59	62	63
		SUCTION SUPERHEAT (°F)	7	9	10	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	5.4	6.4	7.4	8.5	10.6	12.7	13.8
		COMPRESSOR CURRENT (A)	4.8	5.9	6.9	8.0	10.1	12.2	13.3
		INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	25	24
	800	LIQUID PRESSURE (PSIG)	252	309	366	423	506	589	631
		LIQUID TEMPERATURE (°F)	82	89	95	102	111	120	124
		LIQUID SUBCOOLING (°F)	3	10	15	19	23	27	29
		SUCTION PRESSURE (PSIG)	132	134	136	138	141	144	146
		SUCTION TEMPERATURE (°F)	52	54	57	60	62	65	66
		SUCTION SUPERHEAT (°F)	6	8	10	12	13	14	14
		OUTDOOR UNIT CURRENT (A)	5.4	6.4	7.4	8.5	10.3	12.0	12.9
		COMPRESSOR CURRENT (A)	4.9	5.9	6.9	7.9	9.7	11.5	12.4
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	24	23	22	21
	1000	LIQUID PRESSURE (PSIG)	256	311	366	421	492	563	599
		LIQUID TEMPERATURE (°F)	87	93	98	103	112	121	126
		LIQUID SUBCOOLING (°F)	-2	6	12	17	19	22	23
		SUCTION PRESSURE (PSIG)	141	142	144	146	150	153	155
		SUCTION TEMPERATURE (°F)	55	57	60	62	65	68	69
		SUCTION SUPERHEAT (°F)	6	7	9	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	5.4	6.4	7.4	8.4	9.9	11.4	12.1
		COMPRESSOR CURRENT (A)	4.9	5.9	6.9	7.9	9.4	10.9	11.6
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	19	18	17
80/67	600	LIQUID PRESSURE (PSIG)	256	311	366	422	494	567	603
		LIQUID TEMPERATURE (°F)	84	90	96	102	111	120	125
		LIQUID SUBCOOLING (°F)	1	8	14	19	21	23	24
		SUCTION PRESSURE (PSIG)	136	138	140	142	144	147	148
		SUCTION TEMPERATURE (°F)	55	57	58	60	62	64	65
		SUCTION SUPERHEAT (°F)	8	9	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	5.5	6.5	7.4	8.3	9.9	11.4	12.2
		COMPRESSOR CURRENT (A)	5.0	5.9	6.9	7.8	9.3	10.8	11.6
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	20
	800	LIQUID PRESSURE (PSIG)	261	315	369	423	492	561	596
		LIQUID TEMPERATURE (°F)	85	91	97	103	112	121	126
		LIQUID SUBCOOLING (°F)	2	8	14	18	20	21	22
		SUCTION PRESSURE (PSIG)	141	143	145	147	149	152	153
		SUCTION TEMPERATURE (°F)	57	59	60	62	64	66	67
		SUCTION SUPERHEAT (°F)	8	9	10	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	5.6	6.5	7.4	8.4	9.8	11.3	12.0
		COMPRESSOR CURRENT (A)	5.0	6.0	6.9	7.9	9.3	10.7	11.4
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	18
	1000	LIQUID PRESSURE (PSIG)	265	318	371	424	490	557	590
		LIQUID TEMPERATURE (°F)	85	92	98	105	113	122	126
		LIQUID SUBCOOLING (°F)	3	9	13	16	18	20	21
		SUCTION PRESSURE (PSIG)	146	148	150	152	154	157	158
		SUCTION TEMPERATURE (°F)	59	61	62	64	66	68	69
		SUCTION SUPERHEAT (°F)	8	9	10	11	12	13	13
		OUTDOOR UNIT CURRENT (A)	5.6	6.5	7.5	8.4	9.8	11.1	11.8
		COMPRESSOR CURRENT (A)	5.1	6.0	6.9	7.9	9.3	10.6	11.3
		INDOOR COIL DB TEMP DROP (°F)	18	18	18	17	17	17	17

Continued on next page.

YCHD24S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	600	LIQUID PRESSURE (PSIG)	267	318	369	421	491	560	595
		LIQUID TEMPERATURE (°F)	81	90	98	106	114	122	126
		LIQUID SUBCOOLING (°F)	7	11	13	15	18	21	22
		SUCTION PRESSURE (PSIG)	142	146	150	153	156	159	160
		SUCTION TEMPERATURE (°F)	60	61	63	64	66	68	69
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	12	12
		OUTDOOR UNIT CURRENT (A)	5.5	6.4	7.3	8.2	9.7	11.2	11.9
		COMPRESSOR CURRENT (A)	5.0	5.9	6.8	7.7	9.2	10.7	11.4
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	17	17	16	16
	800	LIQUID PRESSURE (PSIG)	266	318	370	422	490	557	591
		LIQUID TEMPERATURE (°F)	85	93	100	108	116	123	127
		LIQUID SUBCOOLING (°F)	3	8	11	13	16	19	20
		SUCTION PRESSURE (PSIG)	150	153	156	158	160	163	164
		SUCTION TEMPERATURE (°F)	62	63	65	66	68	69	70
		SUCTION SUPERHEAT (°F)	9	9	10	10	11	12	12
		OUTDOOR UNIT CURRENT (A)	5.4	6.4	7.3	8.2	9.7	11.2	11.9
		COMPRESSOR CURRENT (A)	4.9	5.9	6.8	7.7	9.2	10.7	11.4
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	15	15	14	14
	1000	LIQUID PRESSURE (PSIG)	266	318	371	423	489	555	588
		LIQUID TEMPERATURE (°F)	89	96	103	109	117	124	128
		LIQUID SUBCOOLING (°F)	-1	5	9	11	14	17	19
		SUCTION PRESSURE (PSIG)	159	160	162	163	165	167	168
		SUCTION TEMPERATURE (°F)	64	65	66	68	69	70	71
		SUCTION SUPERHEAT (°F)	8	9	9	10	11	12	12
		OUTDOOR UNIT CURRENT (A)	5.4	6.3	7.3	8.2	9.7	11.2	11.9
		COMPRESSOR CURRENT (A)	4.9	5.8	6.8	7.7	9.2	10.7	11.4
		INDOOR COIL DB TEMP DROP (°F)	14	14	14	14	14	13	13

FOR USE WITH MODELS:

YCHD30S44S1
YCHD30S43S1
YCHD30S41S1
TCHD30S41S3
TCHD30S43S3
TCHD30S44S3

YCHD30S44S1 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			
65	212(6)	215(6)	217(4)	218(3)
70	232(8)	233(7)	235(5)	237(3)
75	254(9)	254(8)	256(7)	258(4)
80	278(11)	277(10)	278(9)	280(6)
85	304(12)	303(11)	303(10)	304(8)
90	332(14)	331(13)	329(12)	328(10)
95	361(15)	361(14)	358(13)	355(11)
100	393(16)	394(16)	389(15)	382(12)
105	426(18)	429(18)	422(16)	411(13)
110	462(19)	467(19)	457(18)	441(14)
115	499(20)	507(21)	494(19)	473(15)
120	538(21)	549(23)	534(21)	506(16)

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

Charging chart is for use in Cooling mode only.

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

YCHD30S44S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCHD30S41S1	35	107	26.7	1.90	25.3	2.08	23.8	2.28	22.3	2.51	20.6	2.78	18.8	3.09	16.7	3.45
	40	118	29.5	1.89	27.9	2.07	26.4	2.27	24.7	2.50	23.0	2.77	21.0	3.08	18.9	3.43
	45	130	32.4	1.87	30.8	2.05	29.1	2.25	27.3	2.48	25.5	2.75	23.4	3.06	21.3	3.41
	50	142	35.7	1.85	33.8	2.03	32.0	2.23	30.1	2.45	28.1	2.72	26.0	3.04	23.7	3.38
	55	156	39.1	1.83	37.1	2.01	35.1	2.21	33.1	2.43	31.0	2.70	28.8	3.01	26.4	3.35

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCHD30S44S1 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	206	260	315	369	454	540	583
		LIQUID TEMPERATURE (°F)	65	75	84	93	103	113	118
		LIQUID SUBCOOLING (°F)	6	12	16	18	23	27	28
		SUCTION PRESSURE (PSIG)	122	124	125	127	131	134	136
		SUCTION TEMPERATURE (°F)	48	50	53	55	58	60	62
		SUCTION SUPERHEAT (°F)	6	8	10	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	6.0	7.1	8.1	9.1	11.3	13.5	14.6
		COMPRESSOR CURRENT (A)	4.8	5.8	6.8	7.9	10.1	12.2	13.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	21	21
	1000	LIQUID PRESSURE (PSIG)	207	260	312	364	450	535	578
		LIQUID TEMPERATURE (°F)	66	75	85	94	104	114	119
		LIQUID SUBCOOLING (°F)	6	11	14	16	22	26	27
		SUCTION PRESSURE (PSIG)	127	128	129	130	134	138	140
		SUCTION TEMPERATURE (°F)	50	52	55	57	59	62	63
		SUCTION SUPERHEAT (°F)	6	8	10	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	6.0	7.0	8.0	9.0	11.1	13.3	14.4
		COMPRESSOR CURRENT (A)	4.8	5.8	6.8	7.8	9.9	12.0	13.1
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	20	19	19
	1200	LIQUID PRESSURE (PSIG)	209	259	310	360	445	530	573
		LIQUID TEMPERATURE (°F)	67	76	86	95	104	114	119
		LIQUID SUBCOOLING (°F)	6	10	13	14	20	25	27
		SUCTION PRESSURE (PSIG)	132	133	133	134	137	141	143
		SUCTION TEMPERATURE (°F)	52	54	57	59	61	63	64
		SUCTION SUPERHEAT (°F)	6	8	10	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	8.0	9.0	11.0	13.1	14.1
		COMPRESSOR CURRENT (A)	4.8	5.8	6.8	7.7	9.8	11.8	12.9
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	18	18	17	17
80/57	800	LIQUID PRESSURE (PSIG)	206	258	309	361	438	516	555
		LIQUID TEMPERATURE (°F)	66	75	84	93	103	114	119
		LIQUID SUBCOOLING (°F)	6	11	14	16	20	23	24
		SUCTION PRESSURE (PSIG)	118	120	123	126	130	135	137
		SUCTION TEMPERATURE (°F)	47	49	51	54	57	60	62
		SUCTION SUPERHEAT (°F)	7	8	9	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	5.9	7.0	8.0	9.0	10.9	12.8	13.8
		COMPRESSOR CURRENT (A)	4.7	5.7	6.7	7.8	9.7	11.6	12.6
		INDOOR COIL DB TEMP DROP (°F)	32	31	30	28	27	25	24
	1000	LIQUID PRESSURE (PSIG)	210	258	306	354	428	503	540
		LIQUID TEMPERATURE (°F)	67	76	85	94	104	113	118
		LIQUID SUBCOOLING (°F)	6	10	13	14	18	21	22
		SUCTION PRESSURE (PSIG)	124	128	131	134	138	142	144
		SUCTION TEMPERATURE (°F)	50	52	54	56	59	62	64
		SUCTION SUPERHEAT (°F)	7	8	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	6.0	6.9	7.9	8.8	10.6	12.4	13.3
		COMPRESSOR CURRENT (A)	4.8	5.7	6.6	7.6	9.4	11.1	12.0
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	22	22
	1200	LIQUID PRESSURE (PSIG)	215	259	303	347	418	489	525
		LIQUID TEMPERATURE (°F)	68	77	86	95	104	113	118
		LIQUID SUBCOOLING (°F)	6	9	11	12	16	19	20
		SUCTION PRESSURE (PSIG)	131	135	139	142	146	149	151
		SUCTION TEMPERATURE (°F)	53	55	57	59	61	64	66
		SUCTION SUPERHEAT (°F)	8	8	8	9	10	12	13
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.8	8.6	10.3	11.9	12.8
		COMPRESSOR CURRENT (A)	4.8	5.7	6.5	7.4	9.0	10.7	11.6
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	20	19

Continued on next page.

YCHD30S44S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	800	LIQUID PRESSURE (PSIG)	213	259	305	351	440	530	575
		LIQUID TEMPERATURE (°F)	66	75	85	94	104	114	119
		LIQUID SUBCOOLING (°F)	8	11	12	13	20	25	27
		SUCTION PRESSURE (PSIG)	123	126	128	131	134	137	139
		SUCTION TEMPERATURE (°F)	50	52	54	56	59	62	64
		SUCTION SUPERHEAT (°F)	8	9	10	10	12	14	15
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	7.9	8.8	11.0	13.2	14.3
		COMPRESSOR CURRENT (A)	4.8	5.7	6.6	7.5	9.7	12.0	13.1
		INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	26	25	24
	1000	LIQUID PRESSURE (PSIG)	212	259	305	352	432	511	551
		LIQUID TEMPERATURE (°F)	68	77	86	95	104	114	119
		LIQUID SUBCOOLING (°F)	5	9	12	13	18	22	23
		SUCTION PRESSURE (PSIG)	129	131	133	135	139	143	145
		SUCTION TEMPERATURE (°F)	52	54	56	58	61	64	65
		SUCTION SUPERHEAT (°F)	7	9	10	11	12	14	15
		OUTDOOR UNIT CURRENT (A)	6.0	6.9	7.8	8.7	10.7	12.6	13.6
		COMPRESSOR CURRENT (A)	4.8	5.7	6.6	7.5	9.4	11.4	12.4
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	22
	1200	LIQUID PRESSURE (PSIG)	212	259	306	353	423	493	528
		LIQUID TEMPERATURE (°F)	70	78	87	95	104	114	119
		LIQUID SUBCOOLING (°F)	3	8	11	13	17	19	20
		SUCTION PRESSURE (PSIG)	134	136	137	139	144	148	151
		SUCTION TEMPERATURE (°F)	54	56	58	60	63	65	67
		SUCTION SUPERHEAT (°F)	7	9	10	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	6.0	6.9	7.8	8.7	10.4	12.0	12.8
		COMPRESSOR CURRENT (A)	4.7	5.7	6.6	7.5	9.1	10.7	11.6
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	19
80/67	800	LIQUID PRESSURE (PSIG)	214	259	305	351	429	507	547
		LIQUID TEMPERATURE (°F)	69	77	86	94	104	113	118
		LIQUID SUBCOOLING (°F)	5	9	12	13	19	22	23
		SUCTION PRESSURE (PSIG)	135	136	137	138	141	145	147
		SUCTION TEMPERATURE (°F)	56	56	56	56	60	63	65
		SUCTION SUPERHEAT (°F)	8	8	8	8	10	12	13
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	7.9	8.7	10.5	12.4	13.3
		COMPRESSOR CURRENT (A)	4.9	5.8	6.6	7.5	9.3	11.2	12.1
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	22	21	21
	1000	LIQUID PRESSURE (PSIG)	215	260	305	350	424	498	536
		LIQUID TEMPERATURE (°F)	71	79	87	95	104	114	119
		LIQUID SUBCOOLING (°F)	4	8	10	12	17	20	21
		SUCTION PRESSURE (PSIG)	139	141	142	143	146	149	151
		SUCTION TEMPERATURE (°F)	57	58	59	59	62	65	66
		SUCTION SUPERHEAT (°F)	8	8	9	9	11	12	13
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	7.8	8.7	10.4	12.1	13.0
		COMPRESSOR CURRENT (A)	4.9	5.7	6.6	7.5	9.2	10.9	11.8
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	20	20	19	19
	1200	LIQUID PRESSURE (PSIG)	216	260	305	349	419	490	525
		LIQUID TEMPERATURE (°F)	72	80	88	96	105	114	119
		LIQUID SUBCOOLING (°F)	2	6	9	11	15	18	19
		SUCTION PRESSURE (PSIG)	144	145	147	148	151	153	155
		SUCTION TEMPERATURE (°F)	58	60	61	62	64	66	67
		SUCTION SUPERHEAT (°F)	8	9	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	7.8	8.7	10.3	11.9	12.7
		COMPRESSOR CURRENT (A)	4.9	5.7	6.6	7.4	9.0	10.7	11.5
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	19	18	18	18

Continued on next page.

YCHD30S44S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	800	LIQUID PRESSURE (PSIG)	215	260	305	350	414	478	510
		LIQUID TEMPERATURE (°F)	74	81	88	95	105	114	119
		LIQUID SUBCOOLING (°F)	0	5	9	12	15	16	17
		SUCTION PRESSURE (PSIG)	147	149	150	151	155	158	160
		SUCTION TEMPERATURE (°F)	59	60	61	62	64	67	68
		SUCTION SUPERHEAT (°F)	7	7	8	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	6.0	6.9	7.8	8.6	10.0	11.4	12.1
		COMPRESSOR CURRENT (A)	4.8	5.6	6.5	7.4	8.8	10.2	10.9
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	16	16
	1000	LIQUID PRESSURE (PSIG)	216	261	305	349	412	475	507
		LIQUID TEMPERATURE (°F)	74	82	89	97	106	115	120
		LIQUID SUBCOOLING (°F)	0	5	8	10	14	15	16
		SUCTION PRESSURE (PSIG)	151	153	154	156	159	162	164
		SUCTION TEMPERATURE (°F)	61	62	63	64	66	69	70
		SUCTION SUPERHEAT (°F)	8	8	9	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.6	10.0	11.3	12.0
		COMPRESSOR CURRENT (A)	4.8	5.7	6.5	7.4	8.7	10.1	10.8
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	15	15
	1200	LIQUID PRESSURE (PSIG)	218	262	305	349	411	473	505
		LIQUID TEMPERATURE (°F)	74	82	90	98	107	115	120
		LIQUID SUBCOOLING (°F)	1	5	7	9	12	14	15
		SUCTION PRESSURE (PSIG)	154	156	159	161	163	166	167
		SUCTION TEMPERATURE (°F)	63	64	65	66	68	70	71
		SUCTION SUPERHEAT (°F)	9	9	9	9	10	12	13
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.6	9.9	11.3	12.0
		COMPRESSOR CURRENT (A)	4.8	5.7	6.5	7.3	8.7	10.0	10.7
		INDOOR COIL DB TEMP DROP (°F)	15	15	15	14	14	13	13

FOR USE WITH MODELS:

YCHD36S41S1
YCHD36S43S1
YCHD36S44S1
TCHD36S41S3
TCHD36S43S3
TCHD36S44S3

YCHD36S41S1 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			
65	218(8)	223(9)	226(7)	231(6)
70	244(11)	246(11)	247(9)	251(7)
75	271(13)	270(13)	269(10)	272(8)
80	300(15)	296(14)	293(12)	295(10)
85	329(17)	324(16)	319(13)	319(11)
90	359(18)	352(17)	346(14)	345(12)
95	390(20)	382(18)	375(16)	372(13)
100	422(21)	414(19)	405(17)	401(14)
105	455(22)	447(20)	437(18)	430(15)
110	489(23)	481(21)	470(19)	461(15)
115	524(23)	517(22)	505(19)	494(16)
120	560(24)	554(23)	542(20)	528(17)

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

Charging chart is for use in Cooling mode only.

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

YCHD36S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCHD36S41S1	35	107	32.1	2.21	30.3	2.42	28.6	2.66	26.8	2.93	24.8	3.24	22.6	3.60	20.0	4.00
	40	118	35.4	2.18	33.5	2.40	31.6	2.65	29.7	2.92	27.5	3.23	25.2	3.58	22.5	3.97
	45	130	39.0	2.15	36.9	2.38	34.9	2.63	32.8	2.90	30.5	3.21	28.0	3.57	25.1	3.94
	50	142	42.8	2.12	40.6	2.35	38.4	2.61	36.1	2.88	33.7	3.20	31.0	3.54	27.9	3.92
	55	156	46.9	2.10	44.5	2.34	42.2	2.60	39.7	2.87	37.1	3.18	34.2	3.53	31.0	3.89

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCHD36S41S1 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	218	275	333	391	473	554	595
		LIQUID TEMPERATURE (°F)	67	76	86	95	105	115	120
		LIQUID SUBCOOLING (°F)	8	14	18	20	25	28	29
		SUCTION PRESSURE (PSIG)	123	125	127	129	133	137	139
		SUCTION TEMPERATURE (°F)	52	53	55	57	61	65	67
		SUCTION SUPERHEAT (°F)	10	10	11	12	15	17	18
		OUTDOOR UNIT CURRENT (A)	7.3	8.8	10.3	11.8	14.2	16.6	17.8
		COMPRESSOR CURRENT (A)	6.2	7.7	9.2	10.7	13.1	15.5	16.7
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	21	20	20
	1200	LIQUID PRESSURE (PSIG)	219	273	328	383	461	539	578
		LIQUID TEMPERATURE (°F)	68	77	86	95	105	115	120
		LIQUID SUBCOOLING (°F)	8	13	16	18	23	25	26
		SUCTION PRESSURE (PSIG)	127	129	131	132	136	140	142
		SUCTION TEMPERATURE (°F)	52	54	56	58	61	64	66
		SUCTION SUPERHEAT (°F)	9	10	11	12	13	15	16
		OUTDOOR UNIT CURRENT (A)	7.3	8.7	10.2	11.6	13.8	16.0	17.2
		COMPRESSOR CURRENT (A)	6.2	7.6	9.0	10.5	12.7	14.9	16.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	19	19
	1400	LIQUID PRESSURE (PSIG)	220	271	323	375	449	523	560
		LIQUID TEMPERATURE (°F)	69	77	86	95	105	115	120
		LIQUID SUBCOOLING (°F)	7	12	15	17	21	23	24
		SUCTION PRESSURE (PSIG)	132	133	135	136	139	143	145
		SUCTION TEMPERATURE (°F)	53	55	57	59	61	63	64
		SUCTION SUPERHEAT (°F)	8	9	10	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.3	8.7	10.0	11.4	13.4	15.5	16.6
		COMPRESSOR CURRENT (A)	6.2	7.5	8.9	10.2	12.3	14.4	15.5
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	19	18	18	18
80/57	1000	LIQUID PRESSURE (PSIG)	213	274	334	395	466	537	573
		LIQUID TEMPERATURE (°F)	66	76	85	95	105	115	120
		LIQUID SUBCOOLING (°F)	8	14	18	21	24	25	26
		SUCTION PRESSURE (PSIG)	120	122	124	126	133	139	142
		SUCTION TEMPERATURE (°F)	48	51	54	58	61	65	67
		SUCTION SUPERHEAT (°F)	7	10	12	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	7.3	8.9	10.4	12.0	14.1	16.1	17.1
		COMPRESSOR CURRENT (A)	6.2	7.7	9.3	10.9	13.0	15.0	16.1
		INDOOR COIL DB TEMP DROP (°F)	31	29	28	27	26	24	24
	1200	LIQUID PRESSURE (PSIG)	217	273	330	386	456	526	561
		LIQUID TEMPERATURE (°F)	67	76	86	95	105	115	120
		LIQUID SUBCOOLING (°F)	8	14	17	19	22	23	24
		SUCTION PRESSURE (PSIG)	128	129	131	132	139	145	149
		SUCTION TEMPERATURE (°F)	51	53	56	59	62	66	68
		SUCTION SUPERHEAT (°F)	6	9	11	13	14	15	15
		OUTDOOR UNIT CURRENT (A)	7.3	8.8	10.3	11.7	13.7	15.7	16.7
		COMPRESSOR CURRENT (A)	6.2	7.7	9.1	10.6	12.6	14.6	15.6
		INDOOR COIL DB TEMP DROP (°F)	28	27	25	24	23	22	22
	1400	LIQUID PRESSURE (PSIG)	220	273	325	377	446	515	550
		LIQUID TEMPERATURE (°F)	67	77	86	95	105	115	120
		LIQUID SUBCOOLING (°F)	8	13	16	17	20	21	22
		SUCTION PRESSURE (PSIG)	136	137	137	138	145	151	155
		SUCTION TEMPERATURE (°F)	53	55	58	61	64	67	68
		SUCTION SUPERHEAT (°F)	5	8	10	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	7.4	8.7	10.1	11.4	13.4	15.3	16.3
		COMPRESSOR CURRENT (A)	6.2	7.6	9.0	10.3	12.3	14.2	15.2
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	20	20

Continued on next page.

YCHD36S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1000	LIQUID PRESSURE (PSIG)	219	273	328	383	457	531	568
		LIQUID TEMPERATURE (°F)	67	76	86	95	105	115	120
		LIQUID SUBCOOLING (°F)	8	14	17	19	22	24	25
		SUCTION PRESSURE (PSIG)	121	124	127	130	134	138	141
		SUCTION TEMPERATURE (°F)	50	53	55	57	62	67	69
		SUCTION SUPERHEAT (°F)	9	10	11	12	15	18	20
		OUTDOOR UNIT CURRENT (A)	7.4	8.8	10.2	11.7	13.8	15.9	17.0
		COMPRESSOR CURRENT (A)	6.2	7.7	9.1	10.6	12.7	14.8	15.9
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	26	25	25	25
	1200	LIQUID PRESSURE (PSIG)	221	273	325	377	448	519	555
		LIQUID TEMPERATURE (°F)	67	76	86	95	105	115	120
		LIQUID SUBCOOLING (°F)	9	13	16	17	20	22	23
		SUCTION PRESSURE (PSIG)	124	128	132	136	140	144	146
		SUCTION TEMPERATURE (°F)	52	54	57	59	64	68	70
		SUCTION SUPERHEAT (°F)	9	10	11	12	14	17	19
		OUTDOOR UNIT CURRENT (A)	7.4	8.8	10.1	11.5	13.5	15.4	16.4
		COMPRESSOR CURRENT (A)	6.3	7.6	9.0	10.4	12.4	14.3	15.4
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	23	23
	1400	LIQUID PRESSURE (PSIG)	224	273	322	371	439	508	542
		LIQUID TEMPERATURE (°F)	67	77	86	96	105	115	120
		LIQUID SUBCOOLING (°F)	10	13	15	16	19	20	21
		SUCTION PRESSURE (PSIG)	127	132	137	142	146	150	152
		SUCTION TEMPERATURE (°F)	53	56	58	61	65	69	71
		SUCTION SUPERHEAT (°F)	9	10	10	11	13	16	18
		OUTDOOR UNIT CURRENT (A)	7.5	8.7	10.0	11.3	13.2	15.0	16.0
		COMPRESSOR CURRENT (A)	6.3	7.6	8.9	10.2	12.0	13.9	14.9
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	20
80/67	1000	LIQUID PRESSURE (PSIG)	224	272	320	369	440	511	547
		LIQUID TEMPERATURE (°F)	69	78	87	96	106	115	120
		LIQUID SUBCOOLING (°F)	8	11	14	15	18	20	21
		SUCTION PRESSURE (PSIG)	137	139	141	143	146	150	152
		SUCTION TEMPERATURE (°F)	56	58	59	60	62	64	66
		SUCTION SUPERHEAT (°F)	8	9	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	7.4	8.6	9.9	11.1	13.1	15.1	16.1
		COMPRESSOR CURRENT (A)	6.3	7.5	8.7	10.0	12.0	14.0	15.0
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	20	20
	1200	LIQUID PRESSURE (PSIG)	224	272	320	369	438	508	543
		LIQUID TEMPERATURE (°F)	70	79	87	96	106	115	120
		LIQUID SUBCOOLING (°F)	7	11	13	15	18	20	21
		SUCTION PRESSURE (PSIG)	140	142	143	145	148	151	153
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	65	66
		SUCTION SUPERHEAT (°F)	9	9	10	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	7.4	8.6	9.9	11.1	13.0	15.0	16.0
		COMPRESSOR CURRENT (A)	6.3	7.5	8.7	10.0	11.9	13.9	14.9
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	19	19
	1400	LIQUID PRESSURE (PSIG)	224	272	320	368	437	505	540
		LIQUID TEMPERATURE (°F)	70	79	88	96	106	116	121
		LIQUID SUBCOOLING (°F)	7	11	13	14	18	19	20
		SUCTION PRESSURE (PSIG)	142	144	145	146	150	153	155
		SUCTION TEMPERATURE (°F)	59	60	61	61	64	66	67
		SUCTION SUPERHEAT (°F)	9	9	10	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	7.4	8.6	9.8	11.1	13.0	14.9	15.9
		COMPRESSOR CURRENT (A)	6.3	7.5	8.7	10.0	11.9	13.8	14.8
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	18	18

Continued on next page.

YCHD36S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1000	LIQUID PRESSURE (PSIG)	229	275	321	367	433	499	532
		LIQUID TEMPERATURE (°F)	73	81	90	98	107	117	122
		LIQUID SUBCOOLING (°F)	6	9	11	12	15	17	18
		SUCTION PRESSURE (PSIG)	151	153	156	159	162	165	167
		SUCTION TEMPERATURE (°F)	62	64	65	66	68	70	71
		SUCTION SUPERHEAT (°F)	9	10	10	10	11	12	12
		OUTDOOR UNIT CURRENT (A)	7.5	8.7	9.8	10.9	12.8	14.6	15.6
		COMPRESSOR CURRENT (A)	6.4	7.5	8.7	9.8	11.7	13.5	14.5
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	15	15	14	14
	1200	LIQUID PRESSURE (PSIG)	229	275	321	367	432	497	530
		LIQUID TEMPERATURE (°F)	72	81	90	99	108	117	122
		LIQUID SUBCOOLING (°F)	6	9	11	12	15	17	18
		SUCTION PRESSURE (PSIG)	152	155	157	159	162	165	167
		SUCTION TEMPERATURE (°F)	63	64	65	66	68	70	71
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	7.5	8.6	9.8	10.9	12.7	14.5	15.5
		COMPRESSOR CURRENT (A)	6.4	7.5	8.7	9.8	11.6	13.5	14.4
		INDOOR COIL DB TEMP DROP (°F)	16	16	15	15	14	14	14
	1400	LIQUID PRESSURE (PSIG)	230	275	321	366	430	495	527
		LIQUID TEMPERATURE (°F)	72	81	90	99	108	117	122
		LIQUID SUBCOOLING (°F)	6	9	11	11	14	16	17
		SUCTION PRESSURE (PSIG)	154	156	158	160	163	166	168
		SUCTION TEMPERATURE (°F)	64	65	65	66	68	70	71
		SUCTION SUPERHEAT (°F)	10	10	10	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	7.5	8.6	9.8	10.9	12.7	14.5	15.4
		COMPRESSOR CURRENT (A)	6.3	7.5	8.7	9.8	11.6	13.4	14.3
		INDOOR COIL DB TEMP DROP (°F)	15	15	15	14	14	13	13

FOR USE WITH MODELS:

YCHD48S41S1
YCHD48S43S1
YCHD48S44S1
TCHD48S41S3
TCHD48S43S3
TCHD48S44S3

YCHD48S41S1 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			
65	238(10)	239(9)	239(6)	241(3)
70	256(10)	257(10)	259(7)	261(4)
75	277(11)	278(11)	280(8)	283(5)
80	301(12)	301(12)	304(9)	306(6)
85	328(13)	328(13)	329(10)	330(7)
90	357(15)	358(14)	356(12)	356(9)
95	390(16)	391(16)	385(13)	383(10)
100	425(18)	426(18)	415(14)	412(11)
105	463(20)	465(20)	447(16)	442(12)
110	504(22)	506(22)	481(17)	474(14)
115	548(24)	550(24)	517(18)	507(15)
120	595(26)	598(26)	554(20)	541(16)

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

Charging chart is for use in Cooling mode only.

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

YCHD48S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCHD48S41S1	35	107	44.8	3.02	42.5	3.31	40.2	3.64	37.8	4.02	35.0	4.46	32.0	4.95	28.6	5.52
	40	118	49.2	3.00	46.7	3.31	44.3	3.64	41.7	4.01	38.9	4.45	35.6	4.95	32.0	5.49
	45	130	53.9	2.99	51.2	3.31	48.6	3.66	45.9	4.02	42.9	4.45	39.4	4.94	35.7	5.46
	50	142	58.9	3.00	56.1	3.32	53.2	3.68	50.3	4.05	47.1	4.47	43.5	4.94	39.6	5.45
	55	156	64.3	3.01	61.3	3.34	58.2	3.70	54.9	4.08	51.6	4.50	47.6	4.52	43.4	5.46

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCHD48S41S1 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1400	LIQUID PRESSURE (PSIG)	236	284	332	381	491	601	657
		LIQUID TEMPERATURE (°F)	71	80	89	98	108	117	122
		LIQUID SUBCOOLING (°F)	9	13	14	15	25	32	34
		SUCTION PRESSURE (PSIG)	120	123	126	129	133	136	138
		SUCTION TEMPERATURE (°F)	53	54	56	57	59	62	64
		SUCTION SUPERHEAT (°F)	13	13	12	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	10.8	12.5	14.2	15.8	21.8	27.8	30.8
		COMPRESSOR CURRENT (A)	9.3	11.0	12.7	14.4	20.4	26.4	29.4
		INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	21	20	20
	1600	LIQUID PRESSURE (PSIG)	236	283	331	378	482	585	637
		LIQUID TEMPERATURE (°F)	72	81	90	99	108	117	122
		LIQUID SUBCOOLING (°F)	9	11	13	14	23	29	32
		SUCTION PRESSURE (PSIG)	123	125	128	131	134	138	140
		SUCTION TEMPERATURE (°F)	54	56	57	58	60	63	64
		SUCTION SUPERHEAT (°F)	13	13	12	12	14	15	16
		OUTDOOR UNIT CURRENT (A)	10.8	12.5	14.1	15.7	21.0	26.4	29.1
		COMPRESSOR CURRENT (A)	9.3	11.0	12.7	14.3	19.6	25.0	27.7
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	19
	1800	LIQUID PRESSURE (PSIG)	236	283	329	376	472	569	618
		LIQUID TEMPERATURE (°F)	73	82	91	100	109	117	122
		LIQUID SUBCOOLING (°F)	8	10	12	12	21	27	29
		SUCTION PRESSURE (PSIG)	126	128	130	133	136	139	141
		SUCTION TEMPERATURE (°F)	56	57	58	59	61	64	65
		SUCTION SUPERHEAT (°F)	12	12	12	13	14	15	16
		OUTDOOR UNIT CURRENT (A)	10.8	12.4	14.0	15.6	20.3	25.0	27.3
		COMPRESSOR CURRENT (A)	9.4	11.0	12.6	14.2	18.9	23.6	26.0
		INDOOR COIL DB TEMP DROP (°F)	20	20	20	20	19	18	18
80/57	1400	LIQUID PRESSURE (PSIG)	235	283	331	379	482	585	637
		LIQUID TEMPERATURE (°F)	70	79	88	98	107	117	122
		LIQUID SUBCOOLING (°F)	10	13	15	15	24	30	32
		SUCTION PRESSURE (PSIG)	114	118	122	126	131	136	139
		SUCTION TEMPERATURE (°F)	51	52	53	54	58	62	64
		SUCTION SUPERHEAT (°F)	13	12	12	11	13	14	15
		OUTDOOR UNIT CURRENT (A)	10.8	12.5	14.2	15.9	20.6	25.3	27.7
		COMPRESSOR CURRENT (A)	9.3	11.0	12.8	14.5	19.2	23.9	26.3
		INDOOR COIL DB TEMP DROP (°F)	31	30	29	28	27	25	24
	1600	LIQUID PRESSURE (PSIG)	236	283	330	378	466	554	598
		LIQUID TEMPERATURE (°F)	71	80	89	99	108	117	122
		LIQUID SUBCOOLING (°F)	9	12	14	14	21	25	27
		SUCTION PRESSURE (PSIG)	119	123	127	131	135	140	142
		SUCTION TEMPERATURE (°F)	53	54	55	56	59	62	64
		SUCTION SUPERHEAT (°F)	13	12	12	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	10.8	12.4	14.1	15.7	19.6	23.4	25.4
		COMPRESSOR CURRENT (A)	9.3	11.0	12.7	14.3	18.2	22.0	24.0
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	24	23	23
	1800	LIQUID PRESSURE (PSIG)	236	283	330	377	449	522	559
		LIQUID TEMPERATURE (°F)	72	81	90	99	108	117	122
		LIQUID SUBCOOLING (°F)	8	11	12	13	17	20	21
		SUCTION PRESSURE (PSIG)	124	127	131	135	139	143	145
		SUCTION TEMPERATURE (°F)	54	56	57	58	60	63	64
		SUCTION SUPERHEAT (°F)	12	12	12	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	10.8	12.4	14.0	15.6	18.6	21.6	23.1
		COMPRESSOR CURRENT (A)	9.3	11.0	12.6	14.2	17.2	20.2	21.7
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	22	21	21

Continued on next page.

YCHD48S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1400	LIQUID PRESSURE (PSIG)	236	284	333	381	485	589	642
		LIQUID TEMPERATURE (°F)	71	80	89	98	108	117	122
		LIQUID SUBCOOLING (°F)	9	12	14	15	24	30	33
		SUCTION PRESSURE (PSIG)	118	122	126	130	134	138	140
		SUCTION TEMPERATURE (°F)	54	55	56	57	61	64	66
		SUCTION SUPERHEAT (°F)	14	14	13	13	14	15	16
		OUTDOOR UNIT CURRENT (A)	10.7	12.5	14.2	15.9	21.2	26.6	29.3
		COMPRESSOR CURRENT (A)	9.3	11.0	12.8	14.5	19.8	25.2	27.9
		INDOOR COIL DB TEMP DROP (°F)	27	27	27	27	25	24	24
	1600	LIQUID PRESSURE (PSIG)	236	283	331	379	467	556	601
		LIQUID TEMPERATURE (°F)	72	81	90	99	108	117	122
		LIQUID SUBCOOLING (°F)	8	11	13	14	21	25	27
		SUCTION PRESSURE (PSIG)	121	125	129	133	137	140	142
		SUCTION TEMPERATURE (°F)	54	56	57	59	61	64	66
		SUCTION SUPERHEAT (°F)	13	13	13	12	14	15	16
		OUTDOOR UNIT CURRENT (A)	10.7	12.4	14.1	15.8	20.0	24.1	26.2
		COMPRESSOR CURRENT (A)	9.3	11.0	12.7	14.4	18.6	22.8	24.9
		INDOOR COIL DB TEMP DROP (°F)	25	25	25	25	24	23	22
	1800	LIQUID PRESSURE (PSIG)	236	283	330	377	450	523	560
		LIQUID TEMPERATURE (°F)	72	82	91	100	109	118	123
		LIQUID SUBCOOLING (°F)	8	11	12	13	17	20	21
		SUCTION PRESSURE (PSIG)	124	128	132	136	139	143	145
		SUCTION TEMPERATURE (°F)	55	57	58	60	62	64	66
		SUCTION SUPERHEAT (°F)	13	13	13	12	13	14	15
		OUTDOOR UNIT CURRENT (A)	10.8	12.4	14.0	15.6	18.7	21.7	23.3
		COMPRESSOR CURRENT (A)	9.3	10.9	12.6	14.2	17.3	20.3	21.9
		INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	22	21	21
80/67	1400	LIQUID PRESSURE (PSIG)	236	284	331	378	451	524	561
		LIQUID TEMPERATURE (°F)	74	83	92	100	109	118	123
		LIQUID SUBCOOLING (°F)	6	9	11	12	17	20	21
		SUCTION PRESSURE (PSIG)	131	134	136	139	142	145	147
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	64	65
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	10.9	12.5	14.1	15.7	18.8	21.9	23.5
		COMPRESSOR CURRENT (A)	9.4	11.0	12.7	14.3	17.4	20.5	22.1
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	21	20	20
	1600	LIQUID PRESSURE (PSIG)	237	284	331	378	449	520	556
		LIQUID TEMPERATURE (°F)	75	84	92	101	110	118	123
		LIQUID SUBCOOLING (°F)	5	9	11	12	16	19	20
		SUCTION PRESSURE (PSIG)	134	137	139	141	144	147	149
		SUCTION TEMPERATURE (°F)	59	60	61	62	64	65	66
		SUCTION SUPERHEAT (°F)	13	13	12	12	13	14	14
		OUTDOOR UNIT CURRENT (A)	10.8	12.4	14.0	15.6	18.6	21.7	23.2
		COMPRESSOR CURRENT (A)	9.3	11.0	12.6	14.2	17.2	20.3	21.8
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	19	19
	1800	LIQUID PRESSURE (PSIG)	237	284	331	378	447	517	552
		LIQUID TEMPERATURE (°F)	76	85	93	101	110	118	123
		LIQUID SUBCOOLING (°F)	4	8	10	11	15	18	19
		SUCTION PRESSURE (PSIG)	137	139	141	144	146	149	151
		SUCTION TEMPERATURE (°F)	61	62	62	63	64	66	67
		SUCTION SUPERHEAT (°F)	13	13	13	12	13	14	14
		OUTDOOR UNIT CURRENT (A)	10.7	12.3	14.0	15.6	18.5	21.4	22.9
		COMPRESSOR CURRENT (A)	9.3	10.9	12.5	14.2	17.1	20.0	21.5
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	18	18

Continued on next page.

YCHD48S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1400	LIQUID PRESSURE (PSIG)	239	285	331	377	443	509	542
		LIQUID TEMPERATURE (°F)	78	86	95	103	112	120	124
		LIQUID SUBCOOLING (°F)	3	6	8	9	13	16	17
		SUCTION PRESSURE (PSIG)	142	145	147	150	153	156	158
		SUCTION TEMPERATURE (°F)	63	64	65	65	67	68	69
		SUCTION SUPERHEAT (°F)	13	13	13	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	10.8	12.4	13.9	15.5	18.2	20.9	22.3
		COMPRESSOR CURRENT (A)	9.3	10.9	12.5	14.1	16.8	19.5	20.9
		INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	16	15	15
	1600	LIQUID PRESSURE (PSIG)	240	286	332	378	444	510	543
		LIQUID TEMPERATURE (°F)	78	87	95	104	112	120	124
		LIQUID SUBCOOLING (°F)	3	6	8	9	13	16	17
		SUCTION PRESSURE (PSIG)	145	147	150	153	155	158	160
		SUCTION TEMPERATURE (°F)	65	66	66	66	68	69	70
		SUCTION SUPERHEAT (°F)	14	14	13	12	13	13	14
		OUTDOOR UNIT CURRENT (A)	10.8	12.4	13.9	15.5	18.2	20.9	22.3
		COMPRESSOR CURRENT (A)	9.4	10.9	12.5	14.1	16.8	19.5	20.9
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	15	15	14	14
	1800	LIQUID PRESSURE (PSIG)	241	287	333	378	444	510	543
		LIQUID TEMPERATURE (°F)	79	87	96	105	112	120	124
		LIQUID SUBCOOLING (°F)	3	6	7	8	12	15	16
		SUCTION PRESSURE (PSIG)	147	150	153	155	158	160	162
		SUCTION TEMPERATURE (°F)	67	67	67	67	69	70	71
		SUCTION SUPERHEAT (°F)	15	14	14	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	10.9	12.4	13.9	15.4	18.1	20.8	22.2
		COMPRESSOR CURRENT (A)	9.4	11.0	12.5	14.0	16.7	19.4	20.8
		INDOOR COIL DB TEMP DROP (°F)	15	15	15	14	14	13	13

FOR USE WITH MODELS:

YCHD60S41S1
YCHD60S43S1
YCHD60S44S1
TCHD60S41S3
TCHD60S43S3
TCHD60S44S3

YCHD60S41S1 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			
65	244(7)	247(7)	251(3)	256(3)
70	266(9)	269(8)	273(5)	278(4)
75	291(11)	293(10)	296(7)	302(6)
80	318(13)	320(12)	322(9)	327(7)
85	348(15)	349(14)	351(12)	354(9)
90	381(17)	381(16)	381(14)	383(11)
95	416(19)	416(18)	414(16)	413(12)
100	454(21)	453(20)	449(18)	445(14)
105	495(23)	493(22)	486(20)	478(16)
110	538(25)	536(25)	526(22)	513(18)
115	584(27)	581(27)	568(24)	550(19)
120	633(29)	629(29)	612(26)	588(21)

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

Charging chart is for use in Cooling mode only.

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

YCHD60S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YCHD60S41S1	35	107	58.1	3.79	55.1	4.15	51.9	4.56	48.8	5.03	45.6	5.55	42.0	6.18	38.4	6.91
	40	118	63.6	3.84	60.4	4.21	57.0	4.61	53.5	5.09	50.1	5.61	46.5	6.21	42.4	6.95
	45	130	69.6	3.90	65.9	4.28	62.4	4.68	58.5	5.16	54.9	5.68	51.3	6.28	46.9	6.97
	50	142	75.8	3.97	71.9	4.36	68.0	4.75	63.8	5.24	59.8	5.77	56.0	6.35	51.6	6.98
	55	156	82.5	4.05	78.2	4.44	73.9	4.84	69.4	5.34	65.0	5.87	60.8	6.42	56.7	7.00

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YCHD60S41S1 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1600	LIQUID PRESSURE (PSIG)	241	298	354	411	505	599	646
		LIQUID TEMPERATURE (°F)	75	83	92	100	110	119	124
		LIQUID SUBCOOLING (°F)	7	12	16	18	23	28	31
		SUCTION PRESSURE (PSIG)	118	120	122	124	128	132	134
		SUCTION TEMPERATURE (°F)	50	51	53	54	56	58	59
		SUCTION SUPERHEAT (°F)	10	11	11	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	12.8	15.3	17.8	20.3	25.9	31.4	34.2
		COMPRESSOR CURRENT (A)	11.5	14.0	16.5	19.0	24.6	30.1	32.9
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	20
	1800	LIQUID PRESSURE (PSIG)	242	298	354	410	502	595	641
		LIQUID TEMPERATURE (°F)	76	84	93	101	110	119	124
		LIQUID SUBCOOLING (°F)	6	11	15	18	23	28	31
		SUCTION PRESSURE (PSIG)	121	123	124	126	130	134	136
		SUCTION TEMPERATURE (°F)	51	52	54	55	57	58	59
		SUCTION SUPERHEAT (°F)	10	11	11	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	13.0	15.4	17.8	20.2	25.6	31.1	33.8
		COMPRESSOR CURRENT (A)	11.6	14.0	16.4	18.9	24.3	29.7	32.4
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	19
	2000	LIQUID PRESSURE (PSIG)	244	299	353	408	499	590	636
		LIQUID TEMPERATURE (°F)	78	86	93	101	110	119	124
		LIQUID SUBCOOLING (°F)	4	10	14	17	22	27	30
		SUCTION PRESSURE (PSIG)	123	125	127	129	133	136	138
		SUCTION TEMPERATURE (°F)	52	53	55	56	58	59	60
		SUCTION SUPERHEAT (°F)	10	10	11	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	13.1	15.4	17.8	20.1	25.4	30.7	33.3
		COMPRESSOR CURRENT (A)	11.7	14.1	16.4	18.8	24.1	29.4	32.0
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	18	18
80/57	1600	LIQUID PRESSURE (PSIG)	239	296	352	409	502	595	642
		LIQUID TEMPERATURE (°F)	73	82	91	100	110	119	124
		LIQUID SUBCOOLING (°F)	8	13	16	18	23	28	31
		SUCTION PRESSURE (PSIG)	110	113	116	119	125	130	133
		SUCTION TEMPERATURE (°F)	50	51	53	54	56	59	60
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	12.9	15.4	17.9	20.4	26.1	31.8	34.7
		COMPRESSOR CURRENT (A)	11.5	14.0	16.6	19.1	24.8	30.5	33.4
		INDOOR COIL DB TEMP DROP (°F)	33	32	30	29	27	25	24
	1800	LIQUID PRESSURE (PSIG)	241	296	351	407	497	588	633
		LIQUID TEMPERATURE (°F)	75	83	92	101	110	119	124
		LIQUID SUBCOOLING (°F)	7	12	15	17	22	27	29
		SUCTION PRESSURE (PSIG)	114	117	120	123	128	133	136
		SUCTION TEMPERATURE (°F)	51	53	54	55	57	60	61
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	13.0	15.4	17.8	20.3	25.6	30.9	33.6
		COMPRESSOR CURRENT (A)	11.6	14.0	16.5	18.9	24.3	29.6	32.3
		INDOOR COIL DB TEMP DROP (°F)	31	29	28	27	25	24	23
	2000	LIQUID PRESSURE (PSIG)	242	296	351	405	492	579	623
		LIQUID TEMPERATURE (°F)	76	85	93	101	110	119	124
		LIQUID SUBCOOLING (°F)	6	11	14	16	21	26	28
		SUCTION PRESSURE (PSIG)	119	121	124	127	132	137	139
		SUCTION TEMPERATURE (°F)	53	54	55	57	59	61	62
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	13.1	15.4	17.8	20.1	25.1	30.0	32.5
		COMPRESSOR CURRENT (A)	11.7	14.0	16.4	18.8	23.8	28.7	31.2
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	23	22	21

Continued on next page.

YCHD60S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/62	1600	LIQUID PRESSURE (PSIG)	243	298	352	407	499	590	636
		LIQUID TEMPERATURE (°F)	75	84	92	101	110	119	124
		LIQUID SUBCOOLING (°F)	7	12	15	18	23	28	30
		SUCTION PRESSURE (PSIG)	118	121	123	125	129	133	135
		SUCTION TEMPERATURE (°F)	52	53	54	55	57	59	60
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	13.0	15.4	17.9	20.3	25.6	30.9	33.6
		COMPRESSOR CURRENT (A)	11.6	14.1	16.5	18.9	24.3	29.6	32.3
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	27	25	24	23
	1800	LIQUID PRESSURE (PSIG)	244	298	352	406	495	584	629
		LIQUID TEMPERATURE (°F)	76	84	93	101	110	119	124
		LIQUID SUBCOOLING (°F)	6	11	15	17	22	27	29
		SUCTION PRESSURE (PSIG)	121	123	126	128	132	136	138
		SUCTION TEMPERATURE (°F)	53	54	55	56	58	60	61
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	13.1	15.5	17.8	20.2	25.3	30.4	32.9
		COMPRESSOR CURRENT (A)	11.7	14.1	16.5	18.8	23.9	29.0	31.6
		INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	24	23	22
	2000	LIQUID PRESSURE (PSIG)	246	299	352	405	492	579	623
		LIQUID TEMPERATURE (°F)	77	85	94	102	111	120	124
		LIQUID SUBCOOLING (°F)	6	11	14	16	21	26	28
		SUCTION PRESSURE (PSIG)	124	126	128	130	134	138	140
		SUCTION TEMPERATURE (°F)	54	55	56	57	59	61	62
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	13.2	15.5	17.8	20.1	25.0	29.9	32.3
		COMPRESSOR CURRENT (A)	11.8	14.1	16.4	18.8	23.7	28.6	31.0
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	22	21
80/67	1600	LIQUID PRESSURE (PSIG)	248	301	353	406	490	573	615
		LIQUID TEMPERATURE (°F)	78	86	94	103	111	120	124
		LIQUID SUBCOOLING (°F)	5	10	13	15	20	25	27
		SUCTION PRESSURE (PSIG)	128	130	133	135	139	142	144
		SUCTION TEMPERATURE (°F)	56	57	58	59	60	61	62
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	13.3	15.6	17.8	20.1	24.7	29.4	31.7
		COMPRESSOR CURRENT (A)	11.9	14.2	16.5	18.8	23.4	28.1	30.4
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	20	20
	1800	LIQUID PRESSURE (PSIG)	248	301	353	406	488	571	612
		LIQUID TEMPERATURE (°F)	81	88	96	103	112	121	125
		LIQUID SUBCOOLING (°F)	3	8	12	14	19	24	26
		SUCTION PRESSURE (PSIG)	132	134	136	138	141	144	146
		SUCTION TEMPERATURE (°F)	57	58	59	60	61	62	63
		SUCTION SUPERHEAT (°F)	11	11	11	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	13.4	15.6	17.8	20.1	24.6	29.1	31.3
		COMPRESSOR CURRENT (A)	12.0	14.2	16.5	18.7	23.2	27.7	30.0
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	19
	2000	LIQUID PRESSURE (PSIG)	249	301	353	406	487	568	608
		LIQUID TEMPERATURE (°F)	83	90	97	104	112	121	125
		LIQUID SUBCOOLING (°F)	1	6	10	13	18	23	25
		SUCTION PRESSURE (PSIG)	136	137	139	141	144	147	149
		SUCTION TEMPERATURE (°F)	58	59	60	61	62	63	64
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	12	12
		OUTDOOR UNIT CURRENT (A)	13.4	15.6	17.8	20.0	24.4	28.8	31.0
		COMPRESSOR CURRENT (A)	12.0	14.2	16.5	18.7	23.1	27.5	29.7
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	18

Continued on next page.

YCHD60S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/72	1600	LIQUID PRESSURE (PSIG)	252	303	355	406	481	556	594
		LIQUID TEMPERATURE (°F)	83	91	98	106	114	122	126
		LIQUID SUBCOOLING (°F)	1	6	10	12	16	20	22
		SUCTION PRESSURE (PSIG)	141	143	146	148	151	154	156
		SUCTION TEMPERATURE (°F)	63	63	63	63	64	65	66
		SUCTION SUPERHEAT (°F)	14	13	12	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	13.5	15.7	17.9	20.0	24.0	28.1	30.1
		COMPRESSOR CURRENT (A)	12.1	14.3	16.5	18.7	22.7	26.8	28.8
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	16	15	15
	1800	LIQUID PRESSURE (PSIG)	254	305	356	407	479	552	588
		LIQUID TEMPERATURE (°F)	83	91	99	107	115	122	126
		LIQUID SUBCOOLING (°F)	2	6	9	11	15	19	21
		SUCTION PRESSURE (PSIG)	143	145	148	151	154	157	159
		SUCTION TEMPERATURE (°F)	65	65	64	64	65	66	66
		SUCTION SUPERHEAT (°F)	15	14	12	11	11	10	10
		OUTDOOR UNIT CURRENT (A)	13.6	15.7	17.9	20.0	23.9	27.8	29.7
		COMPRESSOR CURRENT (A)	12.2	14.4	16.5	18.7	22.6	26.5	28.4
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	16	15	15
	2000	LIQUID PRESSURE (PSIG)	255	306	357	407	477	547	582
		LIQUID TEMPERATURE (°F)	83	91	99	107	115	123	127
		LIQUID SUBCOOLING (°F)	2	6	9	11	14	17	19
		SUCTION PRESSURE (PSIG)	145	148	150	153	156	159	161
		SUCTION TEMPERATURE (°F)	67	66	65	64	65	66	67
		SUCTION SUPERHEAT (°F)	16	14	12	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	13.7	15.8	17.9	20.1	23.8	27.5	29.4
		COMPRESSOR CURRENT (A)	12.3	14.4	16.6	18.7	22.5	26.2	28.1
		INDOOR COIL DB TEMP DROP (°F)	16	16	15	15	15	14	14

HEAT PUMPS

FOR USE WITH MODELS:

YZH02411(C)
HC8B024F3C
HL8B024F3C

YZH02411(C) (HIGH STAGE) 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			
65	208(3)	210(4)	212(5)	215(5)
70	229(4)	231(5)	233(6)	236(6)
75	250(5)	251(5)	254(6)	257(7)
80	271(5)	272(6)	275(6)	278(7)
85	292(5)	293(6)	296(6)	299(7)
90	313(5)	313(5)	317(6)	321(7)
95	334(5)	334(5)	338(5)	342(7)
100	360(5)	360(5)	364(6)	368(7)
105	386(5)	386(5)	390(6)	393(7)
110	412(5)	412(5)	415(6)	419(6)
115	438(4)	438(4)	441(5)	445(6)
120	464(4)	464(4)	467(5)	471(5)
125	491(3)	490(3)	493(4)	497(4)

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.

YZH02411(C) (LOW STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YZH02411(C) (LOW STAGE)	35	107	14.3	0.74	13.4	0.88	12.5	1.02	11.6	1.17	10.8	1.31	9.9	1.46	9.0	1.60
	40	119	16.6	0.73	15.6	0.87	14.5	1.02	13.5	1.16	12.5	1.31	11.4	1.45	10.4	1.59
	45	130	18.9	0.72	17.7	0.87	16.5	1.01	15.3	1.16	14.1	1.30	13.0	1.44	11.8	1.59
	50	143	21.2	0.72	19.9	0.86	18.5	1.00	17.2	1.15	15.8	1.29	14.5	1.44	13.2	1.58
	55	156	23.5	0.71	22.0	0.85	20.5	1.00	19.0	1.14	17.5	1.29	16.1	1.43	14.6	1.58

YZH02411(C) (HIGH STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YZH02411(C) (HIGH STAGE)	35	107	22.3	1.16	21.0	1.31	19.6	1.46	18.2	1.61	16.8	1.77	15.4	1.92	14.0	2.07
	40	119	25.0	1.18	23.4	1.33	21.8	1.48	20.2	1.64	18.6	1.79	17.0	1.94	15.4	2.09
	45	130	27.6	1.20	25.9	1.35	24.1	1.50	22.3	1.66	20.5	1.81	18.7	1.97	16.9	2.12
	50	143	30.3	1.21	28.3	1.37	26.3	1.52	24.4	1.68	22.4	1.83	20.4	1.99	18.4	2.14
	55	156	32.9	1.23	30.8	1.39	28.6	1.54	26.4	1.70	24.3	1.86	22.1	2.01	19.9	2.17

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YZH02411(C) (LOW STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	199	241	283	325	375	425	474
		LIQUID TEMPERATURE (°F)	72	81	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	-3	1	2	2	3	2	2
		SUCTION PRESSURE (PSIG)	133	136	138	140	144	148	152
		SUCTION TEMPERATURE (°F)	56	57	58	59	61	62	64
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	3.6	4.2	4.7	5.3	6.1	6.9	7.6
		COMPRESSOR CURRENT (A)	2.6	3.2	3.7	4.3	5.1	5.9	6.7
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	18
	650	LIQUID PRESSURE (PSIG)	200	242	284	326	375	425	474
		LIQUID TEMPERATURE (°F)	71	81	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	-1	1	2	2	3	2	2
		SUCTION PRESSURE (PSIG)	135	137	140	142	146	150	154
		SUCTION TEMPERATURE (°F)	57	58	59	60	61	63	64
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	3.6	4.2	4.7	5.3	6.1	6.9	7.6
		COMPRESSOR CURRENT (A)	2.6	3.2	3.7	4.3	5.1	5.9	6.7
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	18	18
	700	LIQUID PRESSURE (PSIG)	200	242	284	326	375	425	474
		LIQUID TEMPERATURE (°F)	71	81	91	100	110	119	128
		LIQUID SUBCOOLING (°F)	-1	1	1	2	2	2	2
		SUCTION PRESSURE (PSIG)	137	139	142	144	148	151	155
		SUCTION TEMPERATURE (°F)	58	59	60	61	62	63	65
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	3.6	4.2	4.7	5.3	6.1	6.9	7.6
		COMPRESSOR CURRENT (A)	2.6	3.2	3.7	4.3	5.1	5.9	6.7
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	18	17
80/62	600	LIQUID PRESSURE (PSIG)	199	241	283	325	376	426	476
		LIQUID TEMPERATURE (°F)	72	81	91	100	109	119	128
		LIQUID SUBCOOLING (°F)	-3	1	1	2	3	3	2
		SUCTION PRESSURE (PSIG)	134	136	139	141	147	153	158
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	64	66
		SUCTION SUPERHEAT (°F)	10	11	10	11	10	10	10
		OUTDOOR UNIT CURRENT (A)	3.6	4.2	4.7	5.3	6.1	6.9	7.6
		COMPRESSOR CURRENT (A)	2.6	3.2	3.7	4.3	5.1	5.9	6.7
		INDOOR COIL DB TEMP DROP (°F)	26	26	26	25	24	22	20
	650	LIQUID PRESSURE (PSIG)	200	242	283	325	376	426	477
		LIQUID TEMPERATURE (°F)	71	81	91	101	110	119	129
		LIQUID SUBCOOLING (°F)	-1	1	1	1	2	3	1
		SUCTION PRESSURE (PSIG)	136	138	141	143	149	155	161
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	65	67
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	3.6	4.2	4.7	5.3	6.1	6.9	7.7
		COMPRESSOR CURRENT (A)	2.6	3.2	3.7	4.3	5.1	5.9	6.7
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	22	21	19
	700	LIQUID PRESSURE (PSIG)	200	242	283	325	376	427	478
		LIQUID TEMPERATURE (°F)	71	81	91	101	111	120	129
		LIQUID SUBCOOLING (°F)	-1	1	1	1	1	2	1
		SUCTION PRESSURE (PSIG)	138	140	142	145	151	157	164
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	66	68
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	11	10
		OUTDOOR UNIT CURRENT (A)	3.6	4.2	4.7	5.3	6.1	6.9	7.7
		COMPRESSOR CURRENT (A)	2.6	3.2	3.7	4.3	5.1	5.9	6.7
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	18

Continued on next page.

YZH02411(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	600	LIQUID PRESSURE (PSIG)	202	243	285	327	377	427	478
		LIQUID TEMPERATURE (°F)	70	80	90	101	110	119	129
		LIQUID SUBCOOLING (°F)	0	2	3	1	2	3	1
		SUCTION PRESSURE (PSIG)	144	147	150	152	156	160	164
		SUCTION TEMPERATURE (°F)	61	62	63	64	65	67	68
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	11	10
		OUTDOOR UNIT CURRENT (A)	3.6	4.2	4.8	5.3	6.1	6.9	7.7
		COMPRESSOR CURRENT (A)	2.6	3.2	3.8	4.3	5.1	5.9	6.7
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	650	LIQUID PRESSURE (PSIG)	202	244	286	327	378	428	478
		LIQUID TEMPERATURE (°F)	70	80	91	101	110	119	129
		LIQUID SUBCOOLING (°F)	0	2	2	1	3	3	1
		SUCTION PRESSURE (PSIG)	146	149	152	154	158	162	165
		SUCTION TEMPERATURE (°F)	61	62	63	64	66	67	68
		SUCTION SUPERHEAT (°F)	10	10	9	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	3.6	4.2	4.8	5.3	6.1	6.9	7.7
		COMPRESSOR CURRENT (A)	2.6	3.2	3.8	4.3	5.1	5.9	6.7
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	19	18
	700	LIQUID PRESSURE (PSIG)	203	244	286	328	378	428	479
		LIQUID TEMPERATURE (°F)	70	80	91	101	110	119	129
		LIQUID SUBCOOLING (°F)	1	2	2	1	3	3	2
		SUCTION PRESSURE (PSIG)	148	151	153	156	160	163	167
		SUCTION TEMPERATURE (°F)	62	63	64	65	66	68	69
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	3.7	4.2	4.8	5.3	6.1	6.9	7.7
		COMPRESSOR CURRENT (A)	2.6	3.2	3.8	4.3	5.1	5.9	6.7
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	19	18	17
80/72	600	LIQUID PRESSURE (PSIG)	204	246	288	330	381	432	483
		LIQUID TEMPERATURE (°F)	70	80	90	100	110	120	129
		LIQUID SUBCOOLING (°F)	1	3	3	3	3	3	2
		SUCTION PRESSURE (PSIG)	154	157	160	163	167	172	176
		SUCTION TEMPERATURE (°F)	64	65	67	68	69	70	72
		SUCTION SUPERHEAT (°F)	10	10	11	10	10	9	10
		OUTDOOR UNIT CURRENT (A)	3.7	4.2	4.8	5.4	6.1	6.9	7.7
		COMPRESSOR CURRENT (A)	2.7	3.2	3.8	4.4	5.2	6.0	6.7
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	16	15	15
	650	LIQUID PRESSURE (PSIG)	204	246	288	330	381	432	483
		LIQUID TEMPERATURE (°F)	70	80	90	100	110	120	130
		LIQUID SUBCOOLING (°F)	1	3	3	3	3	3	1
		SUCTION PRESSURE (PSIG)	156	159	162	165	169	173	177
		SUCTION TEMPERATURE (°F)	65	66	67	68	70	71	72
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	3.7	4.3	4.8	5.4	6.2	6.9	7.7
		COMPRESSOR CURRENT (A)	2.7	3.2	3.8	4.4	5.2	6.0	6.7
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	15	15	14
	700	LIQUID PRESSURE (PSIG)	205	247	288	330	381	432	483
		LIQUID TEMPERATURE (°F)	70	80	90	100	110	120	130
		LIQUID SUBCOOLING (°F)	1	3	3	3	3	3	1
		SUCTION PRESSURE (PSIG)	157	160	164	167	171	175	179
		SUCTION TEMPERATURE (°F)	66	67	68	69	70	72	73
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	3.7	4.3	4.8	5.4	6.2	6.9	7.7
		COMPRESSOR CURRENT (A)	2.7	3.2	3.8	4.4	5.2	6.0	6.7
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	15	15	14	13

YZH02411(C) (HIGH STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	740	LIQUID PRESSURE (PSIG)	210	251	292	334	385	436	487
		LIQUID TEMPERATURE (°F)	68	78	88	98	109	119	130
		LIQUID SUBCOOLING (°F)	5	6	6	6	5	4	2
		SUCTION PRESSURE (PSIG)	127	129	132	135	138	141	144
		SUCTION TEMPERATURE (°F)	53	54	55	56	57	59	60
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	10	9
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.8	7.5	8.4	9.3	10.2
		COMPRESSOR CURRENT (A)	4.3	5.0	5.7	6.5	7.4	8.3	9.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	22	21	20
	840	LIQUID PRESSURE (PSIG)	211	252	293	334	386	437	488
		LIQUID TEMPERATURE (°F)	68	78	88	99	109	119	130
		LIQUID SUBCOOLING (°F)	5	6	7	5	5	5	2
		SUCTION PRESSURE (PSIG)	129	132	135	138	141	144	147
		SUCTION TEMPERATURE (°F)	54	55	56	57	59	60	61
		SUCTION SUPERHEAT (°F)	9	9	9	9	10	9	9
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.8	7.5	8.4	9.3	10.3
		COMPRESSOR CURRENT (A)	4.3	5.0	5.8	6.5	7.4	8.4	9.3
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	20	19
	940	LIQUID PRESSURE (PSIG)	211	253	294	335	386	437	489
		LIQUID TEMPERATURE (°F)	68	78	89	99	109	120	130
		LIQUID SUBCOOLING (°F)	5	7	6	5	5	4	2
		SUCTION PRESSURE (PSIG)	132	135	138	140	143	146	149
		SUCTION TEMPERATURE (°F)	55	56	57	58	60	61	62
		SUCTION SUPERHEAT (°F)	9	9	9	9	10	10	10
		OUTDOOR UNIT CURRENT (A)	5.3	6.1	6.8	7.5	8.4	9.4	10.3
		COMPRESSOR CURRENT (A)	4.3	5.1	5.8	6.5	7.4	8.4	9.3
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	19	18
80/62	740	LIQUID PRESSURE (PSIG)	210	251	293	334	385	437	488
		LIQUID TEMPERATURE (°F)	68	78	88	98	109	119	130
		LIQUID SUBCOOLING (°F)	5	6	7	6	5	5	2
		SUCTION PRESSURE (PSIG)	128	130	133	135	139	143	147
		SUCTION TEMPERATURE (°F)	53	54	55	56	58	59	61
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.8	7.5	8.4	9.3	10.3
		COMPRESSOR CURRENT (A)	4.3	5.0	5.7	6.5	7.4	8.4	9.3
		INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	24	23
	840	LIQUID PRESSURE (PSIG)	210	252	293	335	387	439	491
		LIQUID TEMPERATURE (°F)	69	79	88	98	109	119	129
		LIQUID SUBCOOLING (°F)	4	5	7	6	5	5	4
		SUCTION PRESSURE (PSIG)	131	133	135	138	142	147	151
		SUCTION TEMPERATURE (°F)	54	55	56	57	59	61	63
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	5.3	6.0	6.8	7.5	8.4	9.4	10.3
		COMPRESSOR CURRENT (A)	4.3	5.0	5.8	6.5	7.5	8.4	9.4
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	23	21
	940	LIQUID PRESSURE (PSIG)	211	252	294	335	388	441	494
		LIQUID TEMPERATURE (°F)	69	79	89	98	108	118	128
		LIQUID SUBCOOLING (°F)	4	5	6	6	7	6	5
		SUCTION PRESSURE (PSIG)	134	136	138	141	146	151	156
		SUCTION TEMPERATURE (°F)	56	57	58	59	61	63	64
		SUCTION SUPERHEAT (°F)	9	10	10	10	10	10	9
		OUTDOOR UNIT CURRENT (A)	5.3	6.1	6.8	7.5	8.5	9.4	10.4
		COMPRESSOR CURRENT (A)	4.3	5.1	5.8	6.5	7.5	8.5	9.4
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20

Continued on next page.

YZH02411(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	740	LIQUID PRESSURE (PSIG)	212	254	296	337	390	442	494
		LIQUID TEMPERATURE (°F)	68	78	89	99	108	118	128
		LIQUID SUBCOOLING (°F)	5	7	6	5	7	6	5
		SUCTION PRESSURE (PSIG)	137	140	144	147	150	153	156
		SUCTION TEMPERATURE (°F)	57	58	60	61	62	63	65
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	5.4	6.1	6.8	7.6	8.5	9.4	10.4
		COMPRESSOR CURRENT (A)	4.3	5.1	5.8	6.6	7.5	8.5	9.4
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	22	21	20
	840	LIQUID PRESSURE (PSIG)	213	255	296	338	390	442	494
		LIQUID TEMPERATURE (°F)	68	79	89	99	109	118	128
		LIQUID SUBCOOLING (°F)	6	6	6	6	6	6	5
		SUCTION PRESSURE (PSIG)	140	143	146	150	153	156	159
		SUCTION TEMPERATURE (°F)	58	60	61	62	63	64	66
		SUCTION SUPERHEAT (°F)	9	10	10	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	5.4	6.1	6.8	7.6	8.5	9.5	10.4
		COMPRESSOR CURRENT (A)	4.4	5.1	5.8	6.6	7.5	8.5	9.4
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	20	19
	940	LIQUID PRESSURE (PSIG)	214	255	297	339	391	442	494
		LIQUID TEMPERATURE (°F)	68	79	89	99	109	119	129
		LIQUID SUBCOOLING (°F)	6	6	6	6	6	5	4
		SUCTION PRESSURE (PSIG)	143	146	149	153	156	158	162
		SUCTION TEMPERATURE (°F)	60	61	62	63	64	65	67
		SUCTION SUPERHEAT (°F)	10	10	10	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	5.4	6.1	6.9	7.6	8.5	9.5	10.4
		COMPRESSOR CURRENT (A)	4.4	5.1	5.9	6.6	7.5	8.5	9.4
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	18
80/72	740	LIQUID PRESSURE (PSIG)	214	257	299	341	393	445	496
		LIQUID TEMPERATURE (°F)	69	79	88	98	109	119	129
		LIQUID SUBCOOLING (°F)	5	7	8	7	7	6	4
		SUCTION PRESSURE (PSIG)	148	151	154	158	162	166	170
		SUCTION TEMPERATURE (°F)	61	63	64	65	67	68	69
		SUCTION SUPERHEAT (°F)	9	10	10	9	10	9	9
		OUTDOOR UNIT CURRENT (A)	5.4	6.2	6.9	7.6	8.6	9.5	10.5
		COMPRESSOR CURRENT (A)	4.4	5.2	5.9	6.6	7.6	8.5	9.5
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	18	17	16	15
	840	LIQUID PRESSURE (PSIG)	215	258	300	342	394	445	497
		LIQUID TEMPERATURE (°F)	69	79	88	98	108	119	129
		LIQUID SUBCOOLING (°F)	5	7	8	7	8	6	5
		SUCTION PRESSURE (PSIG)	151	154	158	161	165	168	172
		SUCTION TEMPERATURE (°F)	63	64	65	66	68	69	70
		SUCTION SUPERHEAT (°F)	10	10	9	9	10	10	9
		OUTDOOR UNIT CURRENT (A)	5.5	6.2	6.9	7.7	8.6	9.5	10.5
		COMPRESSOR CURRENT (A)	4.4	5.2	5.9	6.7	7.6	8.6	9.5
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	17	16	15	14
	940	LIQUID PRESSURE (PSIG)	216	259	301	343	395	446	498
		LIQUID TEMPERATURE (°F)	69	79	88	98	108	118	129
		LIQUID SUBCOOLING (°F)	6	7	8	8	8	7	5
		SUCTION PRESSURE (PSIG)	154	158	161	164	167	171	174
		SUCTION TEMPERATURE (°F)	64	65	66	68	69	70	71
		SUCTION SUPERHEAT (°F)	10	9	9	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	5.5	6.2	7.0	7.7	8.6	9.6	10.5
		COMPRESSOR CURRENT (A)	4.5	5.2	5.9	6.7	7.6	8.6	9.5
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	15	15	14	13

YZH02411(C) (LOW STAGE) W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	600	LIQUID PRESSURE (PSIG)	274	256	267	289	308	338
		LIQUID TEMPERATURE (°F)	42	50	65	69	71	81
		LIQUID SUBCOOLING (°F)	48	35	23	25	27	24
		SUCTION PRESSURE (PSIG)	58	68	89	107	121	149
		SUCTION TEMPERATURE (°F)	9	15	29	38	44	57
		SUCTION SUPERHEAT (°F)	2	1	3	3	3	5
		OUTDOOR UNIT CURRENT (A)	5.1	4.9	5.2	5.4	5.7	6.1
		COMPRESSOR CURRENT (A)	4.0	3.9	4.1	4.3	4.6	5.0
		INDOOR COIL DB TEMP RISE (°F)	14	16	22	26	30	37
	650	LIQUID PRESSURE (PSIG)	269	258	261	280	298	327
		LIQUID TEMPERATURE (°F)	42	49	64	68	70	79
		LIQUID SUBCOOLING (°F)	47	37	23	23	26	23
		SUCTION PRESSURE (PSIG)	58	69	89	107	120	149
		SUCTION TEMPERATURE (°F)	9	16	29	38	44	56
		SUCTION SUPERHEAT (°F)	2	2	3	3	3	4
		OUTDOOR UNIT CURRENT (A)	5.0	4.9	5.1	5.3	5.6	5.9
		COMPRESSOR CURRENT (A)	4.0	3.9	4.0	4.2	4.5	4.8
		INDOOR COIL DB TEMP RISE (°F)	13	15	20	25	28	35
	700	LIQUID PRESSURE (PSIG)	263	260	255	272	288	316
		LIQUID TEMPERATURE (°F)	41	49	63	67	69	77
		LIQUID SUBCOOLING (°F)	46	38	22	23	24	23
		SUCTION PRESSURE (PSIG)	58	69	89	107	120	148
		SUCTION TEMPERATURE (°F)	9	16	29	38	44	56
		SUCTION SUPERHEAT (°F)	2	2	3	3	3	4
		OUTDOOR UNIT CURRENT (A)	5.0	5.0	5.0	5.2	5.4	5.8
		COMPRESSOR CURRENT (A)	3.9	3.9	3.9	4.1	4.4	4.7
		INDOOR COIL DB TEMP RISE (°F)	12	14	19	23	26	32
70	600	LIQUID PRESSURE (PSIG)	287	295	308	329	347	381
		LIQUID TEMPERATURE (°F)	60	59	72	78	81	89
		LIQUID SUBCOOLING (°F)	33	36	26	25	25	24
		SUCTION PRESSURE (PSIG)	59	68	90	108	122	150
		SUCTION TEMPERATURE (°F)	9	15	29	38	45	57
		SUCTION SUPERHEAT (°F)	1	1	3	3	3	4
		OUTDOOR UNIT CURRENT (A)	5.3	5.5	5.8	6.0	6.3	6.8
		COMPRESSOR CURRENT (A)	4.2	4.4	4.7	4.9	5.2	5.6
		INDOOR COIL DB TEMP RISE (°F)	13	16	22	26	30	37
	650	LIQUID PRESSURE (PSIG)	283	294	302	321	338	370
		LIQUID TEMPERATURE (°F)	59	59	71	76	79	87
		LIQUID SUBCOOLING (°F)	33	36	26	25	26	24
		SUCTION PRESSURE (PSIG)	59	68	90	108	121	150
		SUCTION TEMPERATURE (°F)	9	15	29	38	45	57
		SUCTION SUPERHEAT (°F)	1	1	3	3	4	4
		OUTDOOR UNIT CURRENT (A)	5.2	5.5	5.7	5.9	6.2	6.6
		COMPRESSOR CURRENT (A)	4.2	4.4	4.6	4.8	5.0	5.4
		INDOOR COIL DB TEMP RISE (°F)	12	15	20	24	28	34
	700	LIQUID PRESSURE (PSIG)	279	293	295	313	329	359
		LIQUID TEMPERATURE (°F)	57	58	71	75	78	85
		LIQUID SUBCOOLING (°F)	34	37	24	24	25	24
		SUCTION PRESSURE (PSIG)	59	69	90	108	121	150
		SUCTION TEMPERATURE (°F)	9	15	29	38	45	57
		SUCTION SUPERHEAT (°F)	1	1	3	3	4	4
		OUTDOOR UNIT CURRENT (A)	5.2	5.4	5.6	5.8	6.0	6.4
		COMPRESSOR CURRENT (A)	4.1	4.4	4.5	4.7	4.9	5.3
		INDOOR COIL DB TEMP RISE (°F)	11	14	19	22	26	32

Continued on next page.

YZH02411(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	600	LIQUID PRESSURE (PSIG)	300	334	349	369	386	424
		LIQUID TEMPERATURE (°F)	78	69	79	86	90	97
		LIQUID SUBCOOLING (°F)	18	35	28	25	24	24
		SUCTION PRESSURE (PSIG)	59	68	90	109	122	151
		SUCTION TEMPERATURE (°F)	9	15	29	39	45	58
		SUCTION SUPERHEAT (°F)	1	1	3	3	3	5
		OUTDOOR UNIT CURRENT (A)	5.5	6.0	6.4	6.7	6.9	7.5
		COMPRESSOR CURRENT (A)	4.4	4.9	5.3	5.5	5.7	6.2
		INDOOR COIL DB TEMP RISE (°F)	12	16	22	26	29	36
	650	LIQUID PRESSURE (PSIG)	298	330	342	362	378	413
		LIQUID TEMPERATURE (°F)	75	68	79	84	88	95
		LIQUID SUBCOOLING (°F)	21	35	26	25	25	24
		SUCTION PRESSURE (PSIG)	59	68	90	108	122	151
		SUCTION TEMPERATURE (°F)	9	15	29	39	45	57
		SUCTION SUPERHEAT (°F)	1	1	3	4	3	4
		OUTDOOR UNIT CURRENT (A)	5.5	6.0	6.3	6.5	6.8	7.3
		COMPRESSOR CURRENT (A)	4.4	4.9	5.2	5.4	5.6	6.1
		INDOOR COIL DB TEMP RISE (°F)	12	15	20	24	27	34
	700	LIQUID PRESSURE (PSIG)	296	325	335	355	369	401
		LIQUID TEMPERATURE (°F)	73	67	78	82	86	93
		LIQUID SUBCOOLING (°F)	22	35	26	26	25	24
		SUCTION PRESSURE (PSIG)	59	68	90	108	122	151
		SUCTION TEMPERATURE (°F)	9	15	29	39	45	57
		SUCTION SUPERHEAT (°F)	1	1	3	4	3	4
		OUTDOOR UNIT CURRENT (A)	5.4	5.9	6.2	6.4	6.6	7.1
		COMPRESSOR CURRENT (A)	4.3	4.8	5.1	5.3	5.4	5.9
		INDOOR COIL DB TEMP RISE (°F)	11	14	18	22	25	31

YZH02411(C) (HIGH STAGE) W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	750	LIQUID PRESSURE (PSIG)	252	261	282	302	314	340
		LIQUID TEMPERATURE (°F)	63	68	73	77	82	88
		LIQUID SUBCOOLING (°F)	21	19	19	20	17	17
		SUCTION PRESSURE (PSIG)	57	66	86	103	116	143
		SUCTION TEMPERATURE (°F)	9	15	28	37	43	55
		SUCTION SUPERHEAT (°F)	3	3	4	4	4	5
		OUTDOOR UNIT CURRENT (A)	6.0	6.2	6.6	7.0	7.2	7.6
		COMPRESSOR CURRENT (A)	4.9	5.0	5.4	5.8	6.0	6.4
		INDOOR COIL DB TEMP RISE (°F)	18	21	26	30	33	39
	850	LIQUID PRESSURE (PSIG)	245	253	272	289	301	325
		LIQUID TEMPERATURE (°F)	62	66	71	75	78	84
		LIQUID SUBCOOLING (°F)	21	19	19	19	18	18
		SUCTION PRESSURE (PSIG)	57	66	85	103	116	142
		SUCTION TEMPERATURE (°F)	9	15	27	37	43	55
		SUCTION SUPERHEAT (°F)	3	3	3	4	4	5
		OUTDOOR UNIT CURRENT (A)	5.9	6.1	6.5	6.8	7.0	7.4
		COMPRESSOR CURRENT (A)	4.8	4.9	5.3	5.6	5.8	6.2
		INDOOR COIL DB TEMP RISE (°F)	16	18	23	27	30	35
	950	LIQUID PRESSURE (PSIG)	237	245	262	277	289	311
		LIQUID TEMPERATURE (°F)	61	63	68	72	75	81
		LIQUID SUBCOOLING (°F)	19	20	19	19	19	18
		SUCTION PRESSURE (PSIG)	57	66	85	102	115	142
		SUCTION TEMPERATURE (°F)	8	15	27	37	43	55
		SUCTION SUPERHEAT (°F)	2	3	3	5	5	5
		OUTDOOR UNIT CURRENT (A)	5.8	5.9	6.3	6.6	6.7	7.2
		COMPRESSOR CURRENT (A)	4.6	4.8	5.1	5.4	5.6	5.9
		INDOOR COIL DB TEMP RISE (°F)	14	16	20	24	27	32
70	750	LIQUID PRESSURE (PSIG)	290	300	323	342	356	382
		LIQUID TEMPERATURE (°F)	72	76	81	85	89	96
		LIQUID SUBCOOLING (°F)	22	20	20	20	19	17
		SUCTION PRESSURE (PSIG)	57	67	86	104	117	144
		SUCTION TEMPERATURE (°F)	9	16	28	37	44	56
		SUCTION SUPERHEAT (°F)	3	3	4	4	5	5
		OUTDOOR UNIT CURRENT (A)	6.6	6.8	7.2	7.6	7.8	8.3
		COMPRESSOR CURRENT (A)	5.4	5.6	6.0	6.4	6.6	7.0
		INDOOR COIL DB TEMP RISE (°F)	18	20	25	30	33	38
	850	LIQUID PRESSURE (PSIG)	283	292	313	330	343	368
		LIQUID TEMPERATURE (°F)	70	74	79	83	86	93
		LIQUID SUBCOOLING (°F)	22	20	20	20	20	18
		SUCTION PRESSURE (PSIG)	57	67	86	103	117	144
		SUCTION TEMPERATURE (°F)	9	16	28	37	44	56
		SUCTION SUPERHEAT (°F)	3	3	4	4	5	5
		OUTDOOR UNIT CURRENT (A)	6.4	6.7	7.1	7.4	7.6	8.0
		COMPRESSOR CURRENT (A)	5.3	5.5	5.9	6.2	6.4	6.8
		INDOOR COIL DB TEMP RISE (°F)	16	18	23	27	29	35
	950	LIQUID PRESSURE (PSIG)	276	284	302	318	330	354
		LIQUID TEMPERATURE (°F)	69	72	76	80	83	89
		LIQUID SUBCOOLING (°F)	22	20	21	20	20	19
		SUCTION PRESSURE (PSIG)	57	67	86	103	116	143
		SUCTION TEMPERATURE (°F)	9	15	28	37	44	55
		SUCTION SUPERHEAT (°F)	3	2	4	4	5	5
		OUTDOOR UNIT CURRENT (A)	6.3	6.5	6.9	7.2	7.4	7.8
		COMPRESSOR CURRENT (A)	5.2	5.4	5.7	6.0	6.2	6.6
		INDOOR COIL DB TEMP RISE (°F)	14	16	20	24	26	31

Continued on next page.

YZH02411(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	750	LIQUID PRESSURE (PSIG)	328	340	364	383	398	424
		LIQUID TEMPERATURE (°F)	81	84	89	94	97	105
		LIQUID SUBCOOLING (°F)	21	21	21	20	19	16
		SUCTION PRESSURE (PSIG)	58	67	87	105	118	146
		SUCTION TEMPERATURE (°F)	9	16	28	38	44	57
		SUCTION SUPERHEAT (°F)	2	3	3	4	4	6
		OUTDOOR UNIT CURRENT (A)	7.1	7.4	7.9	8.2	8.5	8.9
		COMPRESSOR CURRENT (A)	5.9	6.1	6.6	6.9	7.2	7.5
		INDOOR COIL DB TEMP RISE (°F)	18	20	25	29	32	37
	850	LIQUID PRESSURE (PSIG)	321	331	353	371	385	411
		LIQUID TEMPERATURE (°F)	79	82	86	91	94	101
		LIQUID SUBCOOLING (°F)	22	21	22	20	20	18
		SUCTION PRESSURE (PSIG)	58	67	87	104	118	146
		SUCTION TEMPERATURE (°F)	9	16	28	38	44	56
		SUCTION SUPERHEAT (°F)	2	3	3	5	4	5
		OUTDOOR UNIT CURRENT (A)	7.0	7.2	7.7	8.0	8.3	8.7
		COMPRESSOR CURRENT (A)	5.8	6.0	6.5	6.8	7.0	7.4
		INDOOR COIL DB TEMP RISE (°F)	16	18	23	26	29	34
	950	LIQUID PRESSURE (PSIG)	315	322	343	359	371	397
		LIQUID TEMPERATURE (°F)	76	80	84	88	92	97
		LIQUID SUBCOOLING (°F)	24	21	22	21	19	19
		SUCTION PRESSURE (PSIG)	57	67	87	104	117	145
		SUCTION TEMPERATURE (°F)	9	16	28	38	44	56
		SUCTION SUPERHEAT (°F)	3	3	3	5	5	5
		OUTDOOR UNIT CURRENT (A)	6.9	7.1	7.5	7.9	8.1	8.5
		COMPRESSOR CURRENT (A)	5.7	5.9	6.3	6.6	6.8	7.2
		INDOOR COIL DB TEMP RISE (°F)	14	16	20	23	26	31

FOR USE WITH MODELS:

YZH03611(C)
HC8B036F3C
HL8B036F3C

YZH03611(C) (HIGH STAGE) 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			
65	227(9)	228(9)	232(9)	236(10)
70	249(10)	250(9)	254(10)	258(11)
75	270(10)	271(10)	275(11)	280(11)
80	292(10)	292(10)	297(11)	302(11)
85	313(10)	313(10)	318(10)	323(11)
90	335(9)	335(9)	339(10)	345(11)
95	356(9)	356(9)	361(9)	367(10)
100	382(9)	382(9)	386(9)	392(10)
105	408(8)	408(8)	412(9)	418(10)
110	434(7)	434(8)	438(8)	444(9)
115	460(7)	460(7)	463(8)	469(8)
120	486(5)	486(6)	489(7)	495(7)
125	512(4)	512(5)	515(6)	520(6)

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.

YZH03611(C) (LOW STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YZH03611(C) (LOW STAGE)	35	107	20.9	0.88	19.2	1.09	17.6	1.31	15.9	1.52	14.2	1.73	12.6	1.94	10.9	2.15
	40	119	23.9	0.91	22.1	1.12	20.4	1.32	18.6	1.53	16.8	1.74	15.0	1.95	13.3	2.16
	45	130	26.9	0.94	25.0	1.14	23.2	1.34	21.3	1.55	19.4	1.75	17.5	1.96	15.6	2.16
	50	143	29.9	0.96	27.9	1.16	25.9	1.36	23.9	1.56	22.0	1.76	20.0	1.97	18.0	2.17
	55	156	32.9	0.99	30.8	1.19	28.7	1.38	26.6	1.58	24.5	1.78	22.4	1.97	20.3	2.17

YZH03611(C) (HIGH STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YZH0361 (HIGH STAGE)	35	107	31.4	1.73	28.5	2.00	25.6	2.27	22.7	2.54	19.9	2.81	17.0	3.08	14.1	3.35
	40	119	35.6	1.76	32.8	2.03	30.0	2.30	27.1	2.57	24.3	2.84	21.4	3.11	18.6	3.38
	45	130	39.9	1.79	37.1	2.06	34.3	2.33	31.5	2.61	28.7	2.88	25.9	3.15	23.1	3.42
	50	143	44.1	1.82	41.4	2.10	38.6	2.37	35.9	2.64	33.1	2.91	30.3	3.18	27.6	3.46
	55	156	48.4	1.86	45.7	2.13	42.9	2.40	40.2	2.67	37.5	2.95	34.8	3.22	32.1	3.49

NOTES:

1. For condensing unit performance only. Data does not include the effects of air handler power or heat.
2. Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - a. Increase capacity by 1% for each 2°F increase in subcooling.
 - b. Decrease capacity by 1% for each 2°F decrease in subcooling.
3. Maximum recommended condensing temperature is 140°F.

YZH03611(C) (LOW STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	795	LIQUID PRESSURE (PSIG)	207	247	288	329	377	426	475
		LIQUID TEMPERATURE (°F)	71	81	92	103	111	120	129
		LIQUID SUBCOOLING (°F)	1	2	1	0	1	2	1
		SUCTION PRESSURE (PSIG)	133	136	138	141	144	147	150
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	64	65
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	4.5	5.3	6.1	6.9	7.9	9.0	10.1
		COMPRESSOR CURRENT (A)	3.3	4.1	4.9	5.7	6.8	7.9	9.0
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19
	845	LIQUID PRESSURE (PSIG)	207	248	288	329	378	426	475
		LIQUID TEMPERATURE (°F)	71	81	92	103	111	120	129
		LIQUID SUBCOOLING (°F)	1	2	1	0	2	2	1
		SUCTION PRESSURE (PSIG)	135	137	140	142	145	148	151
		SUCTION TEMPERATURE (°F)	58	59	60	62	63	64	66
		SUCTION SUPERHEAT (°F)	11	11	11	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	4.5	5.3	6.1	6.9	7.9	9.0	10.1
		COMPRESSOR CURRENT (A)	3.3	4.1	4.9	5.7	6.8	7.9	9.0
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	895	LIQUID PRESSURE (PSIG)	208	248	289	329	378	427	476
		LIQUID TEMPERATURE (°F)	71	81	92	102	111	120	129
		LIQUID SUBCOOLING (°F)	1	2	2	1	2	2	1
		SUCTION PRESSURE (PSIG)	136	138	141	143	146	149	151
		SUCTION TEMPERATURE (°F)	59	60	61	62	63	65	66
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	4.5	5.3	6.1	6.9	8.0	9.0	10.1
		COMPRESSOR CURRENT (A)	3.3	4.1	4.9	5.7	6.8	7.9	9.0
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	17
80/62	795	LIQUID PRESSURE (PSIG)	207	248	288	329	378	428	478
		LIQUID TEMPERATURE (°F)	71	81	92	103	112	121	130
		LIQUID SUBCOOLING (°F)	1	2	1	0	1	1	0
		SUCTION PRESSURE (PSIG)	134	136	139	141	146	151	157
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	66	68
		SUCTION SUPERHEAT (°F)	11	12	11	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	4.5	5.3	6.1	6.9	8.0	9.1	10.2
		COMPRESSOR CURRENT (A)	3.3	4.1	4.9	5.7	6.8	7.9	9.0
		INDOOR COIL DB TEMP DROP (°F)	28	27	27	27	25	23	21
	845	LIQUID PRESSURE (PSIG)	207	248	288	329	379	429	479
		LIQUID TEMPERATURE (°F)	71	81	92	103	112	121	130
		LIQUID SUBCOOLING (°F)	1	2	1	0	1	1	1
		SUCTION PRESSURE (PSIG)	135	137	140	142	148	153	159
		SUCTION TEMPERATURE (°F)	58	59	61	62	64	66	69
		SUCTION SUPERHEAT (°F)	11	11	12	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	4.5	5.3	6.1	6.9	8.0	9.1	10.2
		COMPRESSOR CURRENT (A)	3.3	4.1	4.9	5.7	6.8	7.9	9.0
		INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	24	22	20
	895	LIQUID PRESSURE (PSIG)	208	248	289	329	380	430	480
		LIQUID TEMPERATURE (°F)	71	82	92	103	112	121	130
		LIQUID SUBCOOLING (°F)	1	1	2	0	1	1	1
		SUCTION PRESSURE (PSIG)	136	139	141	143	149	155	160
		SUCTION TEMPERATURE (°F)	59	60	61	62	65	67	70
		SUCTION SUPERHEAT (°F)	12	11	12	12	13	12	14
		OUTDOOR UNIT CURRENT (A)	4.5	5.3	6.1	6.9	8.0	9.1	10.2
		COMPRESSOR CURRENT (A)	3.3	4.1	4.9	5.7	6.8	7.9	9.1
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	21	20

Continued on next page.

YZH03611(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	795	LIQUID PRESSURE (PSIG)	210	251	292	333	382	431	480
		LIQUID TEMPERATURE (°F)	71	81	92	102	111	120	130
		LIQUID SUBCOOLING (°F)	2	3	2	1	2	2	1
		SUCTION PRESSURE (PSIG)	143	146	149	152	155	158	161
		SUCTION TEMPERATURE (°F)	62	63	65	66	67	68	70
		SUCTION SUPERHEAT (°F)	12	12	13	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	4.6	5.4	6.1	6.9	8.0	9.1	10.2
		COMPRESSOR CURRENT (A)	3.4	4.2	5.0	5.8	6.9	8.0	9.1
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19
	845	LIQUID PRESSURE (PSIG)	210	251	292	333	382	431	481
		LIQUID TEMPERATURE (°F)	71	81	92	102	111	121	130
		LIQUID SUBCOOLING (°F)	2	3	2	1	2	1	1
		SUCTION PRESSURE (PSIG)	145	147	150	153	156	159	162
		SUCTION TEMPERATURE (°F)	63	64	65	66	68	69	70
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.6	5.4	6.2	6.9	8.0	9.1	10.2
		COMPRESSOR CURRENT (A)	3.4	4.2	5.0	5.8	6.9	8.0	9.1
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	20	19
	895	LIQUID PRESSURE (PSIG)	211	252	293	333	383	432	481
		LIQUID TEMPERATURE (°F)	71	81	92	102	111	121	130
		LIQUID SUBCOOLING (°F)	2	3	3	1	3	2	1
		SUCTION PRESSURE (PSIG)	146	149	151	154	157	160	163
		SUCTION TEMPERATURE (°F)	63	65	66	67	68	69	71
		SUCTION SUPERHEAT (°F)	12	13	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.6	5.4	6.2	6.9	8.0	9.1	10.2
		COMPRESSOR CURRENT (A)	3.4	4.2	5.0	5.8	6.9	8.0	9.1
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	18
80/72	795	LIQUID PRESSURE (PSIG)	213	254	295	337	387	437	487
		LIQUID TEMPERATURE (°F)	72	82	91	101	111	121	131
		LIQUID SUBCOOLING (°F)	2	3	4	3	3	3	1
		SUCTION PRESSURE (PSIG)	154	157	159	162	166	169	172
		SUCTION TEMPERATURE (°F)	67	68	69	70	72	73	74
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	4.7	5.4	6.2	7.0	8.1	9.2	10.3
		COMPRESSOR CURRENT (A)	3.4	4.2	5.0	5.8	6.9	8.1	9.2
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	17	17	16	15
	845	LIQUID PRESSURE (PSIG)	213	255	296	337	387	437	488
		LIQUID TEMPERATURE (°F)	72	82	92	102	111	121	131
		LIQUID SUBCOOLING (°F)	2	3	3	2	3	3	1
		SUCTION PRESSURE (PSIG)	155	158	161	164	167	170	173
		SUCTION TEMPERATURE (°F)	67	69	70	71	72	74	75
		SUCTION SUPERHEAT (°F)	12	13	13	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	4.7	5.5	6.2	7.0	8.1	9.2	10.3
		COMPRESSOR CURRENT (A)	3.5	4.3	5.0	5.8	7.0	8.1	9.2
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	17	16	15	14
	895	LIQUID PRESSURE (PSIG)	214	255	296	338	388	438	488
		LIQUID TEMPERATURE (°F)	71	81	92	102	112	121	131
		LIQUID SUBCOOLING (°F)	3	4	3	3	3	3	1
		SUCTION PRESSURE (PSIG)	157	160	162	165	168	171	174
		SUCTION TEMPERATURE (°F)	68	69	70	72	73	74	75
		SUCTION SUPERHEAT (°F)	13	13	13	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	4.7	5.5	6.2	7.0	8.1	9.2	10.3
		COMPRESSOR CURRENT (A)	3.5	4.3	5.1	5.8	7.0	8.1	9.2
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	15	15	14

YZH03611(C) (HIGH STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1150	LIQUID PRESSURE (PSIG)	219	261	303	345	395	445	495
		LIQUID TEMPERATURE (°F)	72	81	90	100	110	120	130
		LIQUID SUBCOOLING (°F)	3	6	7	6	6	5	3
		SUCTION PRESSURE (PSIG)	127	129	131	133	135	138	140
		SUCTION TEMPERATURE (°F)	56	57	58	58	59	61	62
		SUCTION SUPERHEAT (°F)	12	12	13	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	7.7	8.8	9.8	10.8	12.2	13.5	14.8
		COMPRESSOR CURRENT (A)	6.5	7.6	8.6	9.7	11.0	12.4	13.7
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	22	21	20
	1250	LIQUID PRESSURE (PSIG)	220	262	304	346	396	446	496
		LIQUID TEMPERATURE (°F)	72	81	91	100	110	120	130
		LIQUID SUBCOOLING (°F)	4	6	6	6	6	5	3
		SUCTION PRESSURE (PSIG)	129	131	133	134	137	139	141
		SUCTION TEMPERATURE (°F)	57	58	58	59	60	61	62
		SUCTION SUPERHEAT (°F)	12	13	12	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	7.7	8.8	9.8	10.9	12.2	13.5	14.9
		COMPRESSOR CURRENT (A)	6.5	7.6	8.6	9.7	11.0	12.4	13.7
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19
	1350	LIQUID PRESSURE (PSIG)	221	263	305	346	397	447	497
		LIQUID TEMPERATURE (°F)	72	81	91	100	110	120	130
		LIQUID SUBCOOLING (°F)	4	6	6	6	6	5	4
		SUCTION PRESSURE (PSIG)	131	133	134	136	138	140	142
		SUCTION TEMPERATURE (°F)	58	58	59	60	61	62	62
		SUCTION SUPERHEAT (°F)	13	12	12	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	7.8	8.8	9.8	10.9	12.2	13.6	14.9
		COMPRESSOR CURRENT (A)	6.6	7.6	8.7	9.7	11.1	12.4	13.8
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	21	20	19	19
80/62	1150	LIQUID PRESSURE (PSIG)	219	261	303	345	396	447	498
		LIQUID TEMPERATURE (°F)	72	81	91	100	110	120	130
		LIQUID SUBCOOLING (°F)	3	6	6	6	6	5	4
		SUCTION PRESSURE (PSIG)	127	129	131	133	137	141	145
		SUCTION TEMPERATURE (°F)	56	57	58	59	60	62	63
		SUCTION SUPERHEAT (°F)	12	12	13	13	12	13	12
		OUTDOOR UNIT CURRENT (A)	7.7	8.8	9.8	10.8	12.2	13.6	14.9
		COMPRESSOR CURRENT (A)	6.5	7.6	8.6	9.7	11.0	12.4	13.8
		INDOOR COIL DB TEMP DROP (°F)	28	28	27	27	26	24	23
	1250	LIQUID PRESSURE (PSIG)	220	262	304	346	397	448	500
		LIQUID TEMPERATURE (°F)	72	81	91	100	110	120	130
		LIQUID SUBCOOLING (°F)	4	6	6	6	6	5	4
		SUCTION PRESSURE (PSIG)	129	131	133	135	139	143	147
		SUCTION TEMPERATURE (°F)	57	57	58	59	61	63	64
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	12
		OUTDOOR UNIT CURRENT (A)	7.7	8.8	9.8	10.9	12.2	13.6	15.0
		COMPRESSOR CURRENT (A)	6.5	7.6	8.6	9.7	11.1	12.5	13.9
		INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	24	23	22
	1350	LIQUID PRESSURE (PSIG)	221	263	304	346	398	450	502
		LIQUID TEMPERATURE (°F)	71	81	91	100	110	120	129
		LIQUID SUBCOOLING (°F)	5	6	6	6	6	6	5
		SUCTION PRESSURE (PSIG)	130	132	134	136	141	145	149
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	64	65
		SUCTION SUPERHEAT (°F)	12	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	7.8	8.8	9.8	10.9	12.3	13.7	15.0
		COMPRESSOR CURRENT (A)	6.6	7.6	8.7	9.7	11.1	12.5	13.9
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	20

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YZH03611(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1150	LIQUID PRESSURE (PSIG)	223	266	308	350	401	452	503
		LIQUID TEMPERATURE (°F)	72	81	91	100	110	120	130
		LIQUID SUBCOOLING (°F)	5	7	7	7	7	6	4
		SUCTION PRESSURE (PSIG)	136	139	141	143	145	148	150
		SUCTION TEMPERATURE (°F)	60	61	62	63	64	65	66
		SUCTION SUPERHEAT (°F)	13	12	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	7.9	8.9	10.0	11.0	12.4	13.7	15.1
		COMPRESSOR CURRENT (A)	6.6	7.7	8.8	9.8	11.2	12.6	13.9
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	21	20
	1250	LIQUID PRESSURE (PSIG)	224	266	308	351	401	452	503
		LIQUID TEMPERATURE (°F)	72	81	91	101	110	120	130
		LIQUID SUBCOOLING (°F)	5	7	7	6	7	6	4
		SUCTION PRESSURE (PSIG)	138	140	142	145	147	149	152
		SUCTION TEMPERATURE (°F)	61	62	63	63	64	65	66
		SUCTION SUPERHEAT (°F)	13	13	13	12	12	13	12
		OUTDOOR UNIT CURRENT (A)	7.9	8.9	10.0	11.0	12.4	13.7	15.1
		COMPRESSOR CURRENT (A)	6.7	7.7	8.8	9.9	11.2	12.6	14.0
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19
	1350	LIQUID PRESSURE (PSIG)	225	267	309	351	402	452	503
		LIQUID TEMPERATURE (°F)	72	82	91	101	110	120	130
		LIQUID SUBCOOLING (°F)	5	6	7	6	7	6	4
		SUCTION PRESSURE (PSIG)	140	142	144	146	148	151	153
		SUCTION TEMPERATURE (°F)	62	62	63	64	65	66	67
		SUCTION SUPERHEAT (°F)	13	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	7.9	9.0	10.0	11.0	12.4	13.8	15.1
		COMPRESSOR CURRENT (A)	6.7	7.8	8.8	9.9	11.2	12.6	14.0
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	19	19
80/72	1150	LIQUID PRESSURE (PSIG)	227	270	313	356	407	457	508
		LIQUID TEMPERATURE (°F)	73	82	91	101	110	120	130
		LIQUID SUBCOOLING (°F)	5	7	8	7	8	7	5
		SUCTION PRESSURE (PSIG)	146	149	151	154	156	159	161
		SUCTION TEMPERATURE (°F)	64	65	66	67	68	69	70
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	8.0	9.1	10.1	11.2	12.6	13.9	15.3
		COMPRESSOR CURRENT (A)	6.8	7.9	9.0	10.0	11.4	12.8	14.2
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	16	15
	1250	LIQUID PRESSURE (PSIG)	228	271	314	356	407	458	508
		LIQUID TEMPERATURE (°F)	73	82	91	101	110	120	130
		LIQUID SUBCOOLING (°F)	5	7	8	7	8	7	5
		SUCTION PRESSURE (PSIG)	148	150	153	155	158	160	163
		SUCTION TEMPERATURE (°F)	65	66	67	68	69	70	70
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	14	12
		OUTDOOR UNIT CURRENT (A)	8.0	9.1	10.2	11.2	12.6	13.9	15.3
		COMPRESSOR CURRENT (A)	6.8	7.9	9.0	10.0	11.4	12.8	14.2
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	17	16	15	15
	1350	LIQUID PRESSURE (PSIG)	229	272	314	357	407	458	509
		LIQUID TEMPERATURE (°F)	73	82	91	101	110	120	130
		LIQUID SUBCOOLING (°F)	5	8	8	7	8	7	5
		SUCTION PRESSURE (PSIG)	150	152	155	157	159	162	164
		SUCTION TEMPERATURE (°F)	66	66	67	68	69	70	71
		SUCTION SUPERHEAT (°F)	13	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	8.1	9.1	10.2	11.2	12.6	14.0	15.3
		COMPRESSOR CURRENT (A)	6.9	7.9	9.0	10.1	11.4	12.8	14.2
		INDOOR COIL DB TEMP DROP (°F)	18	17	16	16	15	15	14

YZH03611(C) (LOW STAGE) W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	765	LIQUID PRESSURE (PSIG)	258	258	285	306	325	362
		LIQUID TEMPERATURE (°F)	72	72	74	74	75	81
		LIQUID SUBCOOLING (°F)	14	14	19	24	27	28
		SUCTION PRESSURE (PSIG)	49	61	82	101	116	147
		SUCTION TEMPERATURE (°F)	19	25	32	45	50	61
		SUCTION SUPERHEAT (°F)	19	16	10	13	11	9
		OUTDOOR UNIT CURRENT (A)	6.0	6.1	6.7	7.2	7.6	8.4
		COMPRESSOR CURRENT (A)	4.5	4.6	5.2	5.7	6.1	6.9
		INDOOR COIL DB TEMP RISE (°F)	6	9	17	24	29	38
	810	LIQUID PRESSURE (PSIG)	255	253	279	300	317	353
		LIQUID TEMPERATURE (°F)	63	71	73	72	73	78
		LIQUID SUBCOOLING (°F)	22	14	18	24	27	30
		SUCTION PRESSURE (PSIG)	49	61	82	101	116	146
		SUCTION TEMPERATURE (°F)	19	25	32	45	50	61
		SUCTION SUPERHEAT (°F)	19	16	10	13	11	10
		OUTDOOR UNIT CURRENT (A)	6.0	6.0	6.6	7.0	7.4	8.2
		COMPRESSOR CURRENT (A)	4.4	4.5	5.1	5.5	5.9	6.7
		INDOOR COIL DB TEMP RISE (°F)	7	9	16	22	27	36
	860	LIQUID PRESSURE (PSIG)	252	249	273	293	309	345
		LIQUID TEMPERATURE (°F)	53	69	72	70	71	76
		LIQUID SUBCOOLING (°F)	31	15	18	25	27	30
		SUCTION PRESSURE (PSIG)	50	61	82	101	116	146
		SUCTION TEMPERATURE (°F)	19	25	32	44	50	61
		SUCTION SUPERHEAT (°F)	18	16	10	12	11	10
		OUTDOOR UNIT CURRENT (A)	5.9	5.9	6.4	6.9	7.2	8.0
		COMPRESSOR CURRENT (A)	4.4	4.4	4.9	5.4	5.7	6.5
		INDOOR COIL DB TEMP RISE (°F)	7	8	15	21	26	34
70	765	LIQUID PRESSURE (PSIG)	294	299	324	350	370	411
		LIQUID TEMPERATURE (°F)	82	81	80	80	82	88
		LIQUID SUBCOOLING (°F)	13	15	22	27	29	31
		SUCTION PRESSURE (PSIG)	49	61	83	102	117	148
		SUCTION TEMPERATURE (°F)	21	26	32	45	51	61
		SUCTION SUPERHEAT (°F)	21	17	9	13	12	9
		OUTDOOR UNIT CURRENT (A)	6.8	7.0	7.6	8.2	8.6	9.6
		COMPRESSOR CURRENT (A)	5.3	5.5	6.1	6.7	7.2	8.2
		INDOOR COIL DB TEMP RISE (°F)	6	10	17	23	28	37
	810	LIQUID PRESSURE (PSIG)	289	294	318	343	361	401
		LIQUID TEMPERATURE (°F)	73	77	79	79	81	86
		LIQUID SUBCOOLING (°F)	21	18	21	27	28	31
		SUCTION PRESSURE (PSIG)	49	61	83	102	117	148
		SUCTION TEMPERATURE (°F)	21	26	32	45	51	61
		SUCTION SUPERHEAT (°F)	21	17	9	13	12	9
		OUTDOOR UNIT CURRENT (A)	6.7	6.9	7.5	8.0	8.4	9.3
		COMPRESSOR CURRENT (A)	5.2	5.4	6.0	6.6	7.0	7.9
		INDOOR COIL DB TEMP RISE (°F)	7	9	16	22	27	35
	860	LIQUID PRESSURE (PSIG)	284	289	312	337	353	391
		LIQUID TEMPERATURE (°F)	64	74	78	77	80	84
		LIQUID SUBCOOLING (°F)	28	20	21	27	28	31
		SUCTION PRESSURE (PSIG)	49	61	83	102	117	147
		SUCTION TEMPERATURE (°F)	21	25	32	45	51	61
		SUCTION SUPERHEAT (°F)	21	16	9	13	12	9
		OUTDOOR UNIT CURRENT (A)	6.6	6.8	7.3	7.9	8.2	9.1
		COMPRESSOR CURRENT (A)	5.1	5.2	5.8	6.4	6.8	7.7
		INDOOR COIL DB TEMP RISE (°F)	7	9	15	21	25	34

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YZH03611(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	765	LIQUID PRESSURE (PSIG)	329	341	363	394	414	460
		LIQUID TEMPERATURE (°F)	92	90	86	87	90	96
		LIQUID SUBCOOLING (°F)	11	15	24	29	29	31
		SUCTION PRESSURE (PSIG)	49	61	83	103	118	149
		SUCTION TEMPERATURE (°F)	22	26	32	45	51	62
		SUCTION SUPERHEAT (°F)	22	17	9	12	11	10
		OUTDOOR UNIT CURRENT (A)	7.6	7.9	8.5	9.2	9.7	10.8
		COMPRESSOR CURRENT (A)	6.1	6.4	7.0	7.8	8.3	9.4
		INDOOR COIL DB TEMP RISE (°F)	6	10	17	23	28	37
	810	LIQUID PRESSURE (PSIG)	322	334	357	387	405	449
		LIQUID TEMPERATURE (°F)	84	84	85	86	89	94
		LIQUID SUBCOOLING (°F)	17	20	23	28	29	32
		SUCTION PRESSURE (PSIG)	49	61	83	103	118	149
		SUCTION TEMPERATURE (°F)	22	26	32	45	51	62
		SUCTION SUPERHEAT (°F)	22	17	9	12	11	10
		OUTDOOR UNIT CURRENT (A)	7.5	7.8	8.3	9.0	9.5	10.5
		COMPRESSOR CURRENT (A)	6.0	6.3	6.9	7.6	8.0	9.1
		INDOOR COIL DB TEMP RISE (°F)	6	10	16	22	26	35
	860	LIQUID PRESSURE (PSIG)	316	328	352	380	396	438
		LIQUID TEMPERATURE (°F)	76	79	84	85	88	92
		LIQUID SUBCOOLING (°F)	24	23	23	28	28	32
		SUCTION PRESSURE (PSIG)	49	61	83	103	118	149
		SUCTION TEMPERATURE (°F)	22	26	32	45	51	62
		SUCTION SUPERHEAT (°F)	22	17	9	12	11	10
		OUTDOOR UNIT CURRENT (A)	7.3	7.6	8.2	8.9	9.2	10.2
		COMPRESSOR CURRENT (A)	5.8	6.1	6.7	7.4	7.8	8.8
		INDOOR COIL DB TEMP RISE (°F)	6	9	15	21	24	33

YZH03611(C) (HIGH STAGE) W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1090	LIQUID PRESSURE (PSIG)	266	276	302	321	334	360
		LIQUID TEMPERATURE (°F)	63	65	66	69	72	79
		LIQUID SUBCOOLING (°F)	25	26	31	32	32	30
		SUCTION PRESSURE (PSIG)	45	54	75	93	107	137
		SUCTION TEMPERATURE (°F)	16	22	33	41	47	58
		SUCTION SUPERHEAT (°F)	19	18	15	13	12	10
		OUTDOOR UNIT CURRENT (A)	8.7	9.0	9.8	10.3	10.6	11.3
		COMPRESSOR CURRENT (A)	7.2	7.6	8.3	8.9	9.2	9.9
		INDOOR COIL DB TEMP RISE (°F)	16	19	25	30	34	41
	1190	LIQUID PRESSURE (PSIG)	260	270	293	311	321	347
		LIQUID TEMPERATURE (°F)	62	63	64	67	70	77
		LIQUID SUBCOOLING (°F)	25	26	31	32	31	29
		SUCTION PRESSURE (PSIG)	45	54	75	93	107	137
		SUCTION TEMPERATURE (°F)	16	22	33	41	47	58
		SUCTION SUPERHEAT (°F)	19	18	15	13	12	10
		OUTDOOR UNIT CURRENT (A)	8.5	8.9	9.5	10.0	10.3	11.0
		COMPRESSOR CURRENT (A)	7.1	7.4	8.1	8.6	8.9	9.6
		INDOOR COIL DB TEMP RISE (°F)	15	18	23	28	31	39
	1290	LIQUID PRESSURE (PSIG)	255	264	284	300	309	334
		LIQUID TEMPERATURE (°F)	61	61	62	65	69	74
		LIQUID SUBCOOLING (°F)	24	27	30	31	29	30
		SUCTION PRESSURE (PSIG)	44	54	75	93	106	137
		SUCTION TEMPERATURE (°F)	16	22	33	41	47	58
		SUCTION SUPERHEAT (°F)	20	18	15	13	13	10
		OUTDOOR UNIT CURRENT (A)	8.4	8.7	9.3	9.8	10.0	10.7
		COMPRESSOR CURRENT (A)	6.9	7.3	7.9	8.3	8.6	9.3
		INDOOR COIL DB TEMP RISE (°F)	14	16	22	26	29	36
70	1090	LIQUID PRESSURE (PSIG)	307	319	345	365	381	407
		LIQUID TEMPERATURE (°F)	71	74	76	78	80	87
		LIQUID SUBCOOLING (°F)	27	26	30	32	33	31
		SUCTION PRESSURE (PSIG)	45	55	76	94	108	138
		SUCTION TEMPERATURE (°F)	16	22	33	42	47	58
		SUCTION SUPERHEAT (°F)	19	17	14	14	12	10
		OUTDOOR UNIT CURRENT (A)	9.7	10.1	10.8	11.4	11.8	12.5
		COMPRESSOR CURRENT (A)	8.2	8.7	9.4	10.0	10.5	11.2
		INDOOR COIL DB TEMP RISE (°F)	16	19	25	30	33	41
	1190	LIQUID PRESSURE (PSIG)	301	312	336	355	368	393
		LIQUID TEMPERATURE (°F)	71	72	74	76	79	85
		LIQUID SUBCOOLING (°F)	25	27	30	32	32	31
		SUCTION PRESSURE (PSIG)	45	55	76	94	108	138
		SUCTION TEMPERATURE (°F)	16	22	33	41	47	58
		SUCTION SUPERHEAT (°F)	19	17	14	13	12	10
		OUTDOOR UNIT CURRENT (A)	9.5	9.9	10.6	11.1	11.5	12.2
		COMPRESSOR CURRENT (A)	8.1	8.5	9.2	9.7	10.1	10.8
		INDOOR COIL DB TEMP RISE (°F)	15	18	23	28	31	38
	1290	LIQUID PRESSURE (PSIG)	295	305	326	345	356	380
		LIQUID TEMPERATURE (°F)	70	71	72	74	77	83
		LIQUID SUBCOOLING (°F)	25	26	30	32	31	30
		SUCTION PRESSURE (PSIG)	45	55	76	94	107	137
		SUCTION TEMPERATURE (°F)	16	22	33	41	47	58
		SUCTION SUPERHEAT (°F)	19	17	14	13	12	10
		OUTDOOR UNIT CURRENT (A)	9.4	9.7	10.4	10.9	11.2	11.8
		COMPRESSOR CURRENT (A)	7.9	8.3	9.0	9.5	9.8	10.5
		INDOOR COIL DB TEMP RISE (°F)	14	16	21	25	28	35

Continued on next page.

YZH03611(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1090	LIQUID PRESSURE (PSIG)	349	361	388	409	428	455
		LIQUID TEMPERATURE (°F)	80	83	85	87	89	96
		LIQUID SUBCOOLING (°F)	27	26	30	32	33	31
		SUCTION PRESSURE (PSIG)	45	56	77	95	109	139
		SUCTION TEMPERATURE (°F)	17	23	34	42	48	58
		SUCTION SUPERHEAT (°F)	20	17	15	13	12	9
		OUTDOOR UNIT CURRENT (A)	10.6	11.1	11.9	12.5	13.0	13.8
		COMPRESSOR CURRENT (A)	9.3	9.8	10.5	11.2	11.7	12.5
		INDOOR COIL DB TEMP RISE (°F)	16	19	24	29	33	40
	1190	LIQUID PRESSURE (PSIG)	342	353	378	399	415	440
		LIQUID TEMPERATURE (°F)	79	82	83	85	87	94
		LIQUID SUBCOOLING (°F)	26	26	30	32	33	30
		SUCTION PRESSURE (PSIG)	45	56	76	95	109	139
		SUCTION TEMPERATURE (°F)	17	23	34	42	48	58
		SUCTION SUPERHEAT (°F)	20	17	15	13	12	9
		OUTDOOR UNIT CURRENT (A)	10.5	10.9	11.7	12.2	12.7	13.4
		COMPRESSOR CURRENT (A)	9.1	9.6	10.3	10.9	11.4	12.1
		INDOOR COIL DB TEMP RISE (°F)	15	18	23	27	30	37
	1290	LIQUID PRESSURE (PSIG)	336	346	369	389	403	425
		LIQUID TEMPERATURE (°F)	79	80	81	83	85	92
		LIQUID SUBCOOLING (°F)	25	26	30	32	32	29
		SUCTION PRESSURE (PSIG)	45	55	76	95	109	138
		SUCTION TEMPERATURE (°F)	17	23	33	42	47	58
		SUCTION SUPERHEAT (°F)	20	18	14	13	11	10
		OUTDOOR UNIT CURRENT (A)	10.3	10.7	11.4	12.0	12.4	13.0
		COMPRESSOR CURRENT (A)	8.9	9.3	10.0	10.6	11.0	11.7
		INDOOR COIL DB TEMP RISE (°F)	14	16	21	25	28	34

FOR USE WITH MODELS:

YZH04811(C)
HC8B048F3C
HL8B048F3C

YZH04811(C) (HIGH STAGE) 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			
65	227(3)	229(3)	235(4)	242(4)
70	249(4)	251(4)	257(5)	264(5)
75	272(5)	273(5)	279(6)	286(6)
80	294(6)	295(6)	301(7)	308(7)
85	316(7)	317(6)	323(7)	330(7)
90	338(7)	339(6)	345(7)	352(8)
95	361(7)	360(6)	367(7)	374(8)
100	387(7)	387(7)	393(7)	400(8)
105	414(7)	414(7)	419(7)	426(8)
110	440(7)	440(7)	445(7)	452(7)
115	467(7)	467(6)	471(7)	478(7)
120	493(6)	493(6)	497(6)	504(6)
125	520(5)	520(5)	523(5)	530(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.

YZH04811(C) (LOW STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YZH04811(C) (LOW STAGE)	35	107	26.9	1.27	25.3	1.56	23.7	1.86	22.1	2.15	20.5	2.44	18.9	2.74	17.3	3.03
	40	119	31.8	1.32	29.8	1.60	27.8	1.89	25.7	2.17	23.7	2.46	21.7	2.74	19.7	3.03
	45	130	36.7	1.37	34.3	1.64	31.8	1.92	29.4	2.20	27.0	2.48	24.6	2.75	22.1	3.03
	50	143	41.6	1.42	38.8	1.69	35.9	1.96	33.1	2.23	30.2	2.49	27.4	2.76	24.6	3.03
	55	156	46.5	1.47	43.3	1.73	40.0	1.99	36.8	2.25	33.5	2.51	30.2	2.77	27.0	3.03

YZH04811(C) (HIGH STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YZH04811(C) (HIGH STAGE)	35	107	40.9	1.58	37.8	1.89	34.7	2.19	31.7	2.50	28.6	2.81	25.6	3.11	22.5	3.42
	40	119	44.8	1.61	41.8	1.92	38.9	2.22	35.9	2.53	33.0	2.83	30.0	3.14	27.1	3.44
	45	130	48.7	1.65	45.9	1.95	43.0	2.25	40.2	2.56	37.4	2.86	34.5	3.16	31.7	3.47
	50	143	52.6	1.68	49.9	1.98	47.2	2.28	44.4	2.58	41.7	2.89	39.0	3.19	36.3	3.49
	55	156	56.5	1.71	53.9	2.01	51.3	2.31	48.7	2.61	46.1	2.91	43.5	3.21	40.9	3.51

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YZH04811(C) (LOW STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	215	258	300	342	392	442	493
		LIQUID TEMPERATURE (°F)	72	82	91	101	111	120	129
		LIQUID SUBCOOLING (°F)	2	4	5	4	4	4	4
		SUCTION PRESSURE (PSIG)	127	130	132	135	138	142	145
		SUCTION TEMPERATURE (°F)	58	59	61	63	65	66	68
		SUCTION SUPERHEAT (°F)	14	14	15	16	17	16	17
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	9.4	10.6	12.2	13.8	15.4
		COMPRESSOR CURRENT (A)	5.4	6.7	7.9	9.1	10.7	12.4	14.0
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20
	1050	LIQUID PRESSURE (PSIG)	216	258	300	343	393	443	493
		LIQUID TEMPERATURE (°F)	72	82	92	101	111	120	129
		LIQUID SUBCOOLING (°F)	3	4	4	5	5	5	4
		SUCTION PRESSURE (PSIG)	128	131	133	136	139	143	146
		SUCTION TEMPERATURE (°F)	58	60	62	63	65	67	69
		SUCTION SUPERHEAT (°F)	14	15	16	16	16	17	18
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	9.4	10.6	12.2	13.8	15.4
		COMPRESSOR CURRENT (A)	5.4	6.6	7.9	9.1	10.7	12.4	14.0
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	19
	1100	LIQUID PRESSURE (PSIG)	216	259	301	343	393	444	494
		LIQUID TEMPERATURE (°F)	72	82	92	101	111	120	130
		LIQUID SUBCOOLING (°F)	3	4	4	5	5	5	3
		SUCTION PRESSURE (PSIG)	129	132	134	137	140	143	147
		SUCTION TEMPERATURE (°F)	59	61	62	64	66	67	69
		SUCTION SUPERHEAT (°F)	14	15	15	16	17	17	17
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	9.4	10.6	12.2	13.8	15.4
		COMPRESSOR CURRENT (A)	5.4	6.6	7.9	9.1	10.7	12.4	14.0
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19
80/62	1000	LIQUID PRESSURE (PSIG)	215	258	300	342	394	445	497
		LIQUID TEMPERATURE (°F)	72	82	92	102	111	121	130
		LIQUID SUBCOOLING (°F)	2	4	4	3	5	4	4
		SUCTION PRESSURE (PSIG)	127	130	133	135	140	145	150
		SUCTION TEMPERATURE (°F)	58	60	61	63	65	68	71
		SUCTION SUPERHEAT (°F)	14	15	15	16	16	17	18
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	9.4	10.6	12.2	13.8	15.4
		COMPRESSOR CURRENT (A)	5.4	6.6	7.9	9.1	10.7	12.4	14.0
		INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	24	23
	1050	LIQUID PRESSURE (PSIG)	216	258	300	343	394	446	498
		LIQUID TEMPERATURE (°F)	72	82	92	102	111	121	130
		LIQUID SUBCOOLING (°F)	3	4	4	4	5	4	4
		SUCTION PRESSURE (PSIG)	129	131	134	136	141	146	151
		SUCTION TEMPERATURE (°F)	59	60	62	63	66	69	72
		SUCTION SUPERHEAT (°F)	14	15	15	16	17	18	19
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	9.4	10.6	12.2	13.8	15.4
		COMPRESSOR CURRENT (A)	5.4	6.6	7.9	9.1	10.7	12.3	14.0
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	27	25	24	22
	1100	LIQUID PRESSURE (PSIG)	216	259	301	343	395	447	499
		LIQUID TEMPERATURE (°F)	72	82	92	102	111	121	130
		LIQUID SUBCOOLING (°F)	3	4	4	4	5	4	4
		SUCTION PRESSURE (PSIG)	130	132	135	137	143	148	153
		SUCTION TEMPERATURE (°F)	59	61	62	64	67	70	73
		SUCTION SUPERHEAT (°F)	14	15	15	16	17	18	19
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	9.4	10.6	12.2	13.8	15.4
		COMPRESSOR CURRENT (A)	5.4	6.6	7.9	9.1	10.7	12.3	13.9
		INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	23	21

Continued on next page.

YZH04811(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1000	LIQUID PRESSURE (PSIG)	219	262	305	348	399	450	501
		LIQUID TEMPERATURE (°F)	72	82	92	102	111	121	131
		LIQUID SUBCOOLING (°F)	3	5	5	5	6	5	3
		SUCTION PRESSURE (PSIG)	137	140	143	146	149	153	156
		SUCTION TEMPERATURE (°F)	64	65	67	69	71	72	74
		SUCTION SUPERHEAT (°F)	16	16	17	18	19	18	19
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	9.4	10.6	12.2	13.8	15.4
		COMPRESSOR CURRENT (A)	5.4	6.6	7.8	9.0	10.7	12.3	13.9
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20
	1050	LIQUID PRESSURE (PSIG)	220	263	305	348	399	450	502
		LIQUID TEMPERATURE (°F)	72	82	92	102	111	121	131
		LIQUID SUBCOOLING (°F)	4	5	5	5	6	5	3
		SUCTION PRESSURE (PSIG)	138	141	144	147	150	153	157
		SUCTION TEMPERATURE (°F)	64	66	68	69	71	73	75
		SUCTION SUPERHEAT (°F)	16	17	17	17	18	19	20
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	9.4	10.6	12.2	13.7	15.3
		COMPRESSOR CURRENT (A)	5.4	6.6	7.8	9.0	10.7	12.3	13.9
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	19
	1100	LIQUID PRESSURE (PSIG)	220	263	306	349	400	451	502
		LIQUID TEMPERATURE (°F)	72	82	92	102	111	121	131
		LIQUID SUBCOOLING (°F)	4	5	6	5	6	5	3
		SUCTION PRESSURE (PSIG)	139	142	145	148	151	154	158
		SUCTION TEMPERATURE (°F)	65	67	68	70	72	73	75
		SUCTION SUPERHEAT (°F)	16	17	17	18	19	19	19
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	9.4	10.6	12.1	13.7	15.3
		COMPRESSOR CURRENT (A)	5.4	6.6	7.8	9.0	10.6	12.3	13.9
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19
80/72	1000	LIQUID PRESSURE (PSIG)	223	267	310	353	404	455	507
		LIQUID TEMPERATURE (°F)	73	83	93	102	112	122	131
		LIQUID SUBCOOLING (°F)	4	5	5	6	6	5	4
		SUCTION PRESSURE (PSIG)	147	150	153	157	160	164	168
		SUCTION TEMPERATURE (°F)	69	71	73	75	77	78	80
		SUCTION SUPERHEAT (°F)	17	18	19	20	21	20	21
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	9.3	10.5	12.1	13.6	15.2
		COMPRESSOR CURRENT (A)	5.4	6.6	7.8	9.0	10.6	12.2	13.7
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	18	17	16	15
	1050	LIQUID PRESSURE (PSIG)	224	267	310	353	405	456	507
		LIQUID TEMPERATURE (°F)	73	83	93	102	112	122	131
		LIQUID SUBCOOLING (°F)	4	5	5	6	6	5	4
		SUCTION PRESSURE (PSIG)	148	151	155	158	161	165	169
		SUCTION TEMPERATURE (°F)	70	72	74	75	77	79	81
		SUCTION SUPERHEAT (°F)	18	19	19	19	20	21	21
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	9.3	10.5	12.1	13.6	15.2
		COMPRESSOR CURRENT (A)	5.4	6.6	7.8	9.0	10.6	12.1	13.7
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	17	16	15
	1100	LIQUID PRESSURE (PSIG)	225	268	311	354	405	456	508
		LIQUID TEMPERATURE (°F)	73	83	93	102	112	122	132
		LIQUID SUBCOOLING (°F)	4	6	6	6	6	5	3
		SUCTION PRESSURE (PSIG)	150	153	156	159	162	166	170
		SUCTION TEMPERATURE (°F)	71	73	74	76	78	79	81
		SUCTION SUPERHEAT (°F)	18	19	19	20	21	20	21
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	9.3	10.5	12.0	13.6	15.2
		COMPRESSOR CURRENT (A)	5.4	6.6	7.8	9.0	10.5	12.1	13.7
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	16	15	14

YZH04811(C) (HIGH STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1470	LIQUID PRESSURE (PSIG)	229	273	316	360	412	464	516
		LIQUID TEMPERATURE (°F)	74	84	93	102	112	121	131
		LIQUID SUBCOOLING (°F)	4	6	7	7	7	7	6
		SUCTION PRESSURE (PSIG)	126	128	130	132	135	138	140
		SUCTION TEMPERATURE (°F)	58	60	61	62	64	65	67
		SUCTION SUPERHEAT (°F)	15	16	16	16	17	17	18
		OUTDOOR UNIT CURRENT (A)	10.6	12.0	13.5	15.0	16.9	18.7	20.5
		COMPRESSOR CURRENT (A)	9.0	10.5	12.0	13.5	15.3	17.2	19.1
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	21	20	19
	1570	LIQUID PRESSURE (PSIG)	230	273	317	361	413	464	516
		LIQUID TEMPERATURE (°F)	75	84	93	102	112	121	131
		LIQUID SUBCOOLING (°F)	4	6	7	7	7	7	6
		SUCTION PRESSURE (PSIG)	127	129	131	133	136	139	141
		SUCTION TEMPERATURE (°F)	59	60	62	63	64	66	68
		SUCTION SUPERHEAT (°F)	15	15	17	17	17	17	19
		OUTDOOR UNIT CURRENT (A)	10.6	12.1	13.6	15.0	16.9	18.7	20.6
		COMPRESSOR CURRENT (A)	9.0	10.5	12.0	13.5	15.4	17.2	19.1
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	18
	1670	LIQUID PRESSURE (PSIG)	230	274	318	362	413	465	517
		LIQUID TEMPERATURE (°F)	75	84	93	102	112	121	131
		LIQUID SUBCOOLING (°F)	4	6	7	7	7	7	6
		SUCTION PRESSURE (PSIG)	128	130	132	134	137	140	142
		SUCTION TEMPERATURE (°F)	60	61	62	64	65	67	68
		SUCTION SUPERHEAT (°F)	16	16	16	17	17	18	18
		OUTDOOR UNIT CURRENT (A)	10.6	12.1	13.6	15.1	16.9	18.7	20.6
		COMPRESSOR CURRENT (A)	9.0	10.5	12.0	13.5	15.4	17.3	19.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	19	18
80/62	1470	LIQUID PRESSURE (PSIG)	229	273	316	360	413	466	519
		LIQUID TEMPERATURE (°F)	74	84	93	102	112	121	131
		LIQUID SUBCOOLING (°F)	4	6	7	7	7	7	6
		SUCTION PRESSURE (PSIG)	126	128	130	132	137	141	145
		SUCTION TEMPERATURE (°F)	58	60	61	62	65	67	70
		SUCTION SUPERHEAT (°F)	15	16	16	16	17	18	19
		OUTDOOR UNIT CURRENT (A)	10.6	12.0	13.5	15.0	16.9	18.8	20.7
		COMPRESSOR CURRENT (A)	9.0	10.5	12.0	13.5	15.4	17.3	19.2
		INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	23	22
	1570	LIQUID PRESSURE (PSIG)	230	273	317	361	414	467	520
		LIQUID TEMPERATURE (°F)	75	84	93	102	112	122	131
		LIQUID SUBCOOLING (°F)	4	6	7	7	7	7	6
		SUCTION PRESSURE (PSIG)	127	129	131	134	138	143	147
		SUCTION TEMPERATURE (°F)	59	61	62	63	66	68	71
		SUCTION SUPERHEAT (°F)	15	16	17	16	18	18	19
		OUTDOOR UNIT CURRENT (A)	10.6	12.1	13.6	15.0	16.9	18.8	20.7
		COMPRESSOR CURRENT (A)	9.0	10.5	12.0	13.5	15.4	17.4	19.3
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	24	22	21
	1670	LIQUID PRESSURE (PSIG)	230	274	318	362	415	468	522
		LIQUID TEMPERATURE (°F)	75	84	93	102	112	122	131
		LIQUID SUBCOOLING (°F)	4	6	7	7	8	7	6
		SUCTION PRESSURE (PSIG)	129	131	133	135	140	144	149
		SUCTION TEMPERATURE (°F)	60	61	63	64	67	69	72
		SUCTION SUPERHEAT (°F)	15	16	17	17	18	18	20
		OUTDOOR UNIT CURRENT (A)	10.6	12.1	13.6	15.1	17.0	18.9	20.8
		COMPRESSOR CURRENT (A)	9.0	10.5	12.0	13.5	15.5	17.4	19.3
		INDOOR COIL DB TEMP DROP (°F)	26	26	25	24	23	21	20

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YZH04811(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1470	LIQUID PRESSURE (PSIG)	235	279	323	367	419	471	523
		LIQUID TEMPERATURE (°F)	75	84	94	103	112	122	132
		LIQUID SUBCOOLING (°F)	5	7	7	7	8	7	6
		SUCTION PRESSURE (PSIG)	135	138	140	143	145	148	151
		SUCTION TEMPERATURE (°F)	64	65	67	68	70	71	73
		SUCTION SUPERHEAT (°F)	17	17	18	18	19	19	20
		OUTDOOR UNIT CURRENT (A)	10.8	12.3	13.8	15.3	17.1	19.0	20.9
		COMPRESSOR CURRENT (A)	9.2	10.7	12.3	13.8	15.6	17.5	19.4
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	20	20	19
	1570	LIQUID PRESSURE (PSIG)	235	279	324	368	420	472	524
		LIQUID TEMPERATURE (°F)	75	85	94	103	112	122	132
		LIQUID SUBCOOLING (°F)	5	6	8	8	9	7	6
		SUCTION PRESSURE (PSIG)	137	139	141	144	146	149	152
		SUCTION TEMPERATURE (°F)	65	66	68	69	71	72	74
		SUCTION SUPERHEAT (°F)	17	17	19	18	20	20	20
		OUTDOOR UNIT CURRENT (A)	10.9	12.4	13.8	15.3	17.2	19.0	20.9
		COMPRESSOR CURRENT (A)	9.3	10.8	12.3	13.8	15.7	17.6	19.4
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	18
	1670	LIQUID PRESSURE (PSIG)	236	280	324	368	420	472	524
		LIQUID TEMPERATURE (°F)	76	85	94	103	113	122	132
		LIQUID SUBCOOLING (°F)	4	6	8	8	8	7	6
		SUCTION PRESSURE (PSIG)	138	140	143	145	148	150	153
		SUCTION TEMPERATURE (°F)	66	67	68	70	71	73	74
		SUCTION SUPERHEAT (°F)	18	18	18	19	19	20	20
		OUTDOOR UNIT CURRENT (A)	10.9	12.4	13.9	15.4	17.2	19.1	20.9
		COMPRESSOR CURRENT (A)	9.3	10.8	12.3	13.8	15.7	17.6	19.5
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	18	18
80/72	1470	LIQUID PRESSURE (PSIG)	240	285	329	373	426	478	530
		LIQUID TEMPERATURE (°F)	76	85	95	104	113	123	132
		LIQUID SUBCOOLING (°F)	5	8	8	8	9	7	7
		SUCTION PRESSURE (PSIG)	145	148	150	153	156	159	162
		SUCTION TEMPERATURE (°F)	70	71	73	74	76	77	79
		SUCTION SUPERHEAT (°F)	19	19	20	20	21	21	22
		OUTDOOR UNIT CURRENT (A)	11.1	12.6	14.1	15.6	17.4	19.3	21.2
		COMPRESSOR CURRENT (A)	9.5	11.0	12.6	14.1	15.9	17.8	19.7
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	17	16	15	14
	1570	LIQUID PRESSURE (PSIG)	242	286	330	374	426	478	531
		LIQUID TEMPERATURE (°F)	78	86	95	104	113	123	132
		LIQUID SUBCOOLING (°F)	4	7	8	8	9	7	7
		SUCTION PRESSURE (PSIG)	147	149	152	154	157	160	163
		SUCTION TEMPERATURE (°F)	71	72	73	75	76	78	79
		SUCTION SUPERHEAT (°F)	19	20	19	21	21	22	21
		OUTDOOR UNIT CURRENT (A)	11.2	12.7	14.1	15.6	17.5	19.3	21.2
		COMPRESSOR CURRENT (A)	9.6	11.1	12.6	14.1	16.0	17.9	19.8
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	15	14	13
	1670	LIQUID PRESSURE (PSIG)	244	288	332	375	427	479	531
		LIQUID TEMPERATURE (°F)	79	87	95	104	113	123	133
		LIQUID SUBCOOLING (°F)	3	6	8	8	9	8	6
		SUCTION PRESSURE (PSIG)	149	151	153	156	159	161	164
		SUCTION TEMPERATURE (°F)	72	73	74	76	77	78	80
		SUCTION SUPERHEAT (°F)	20	20	20	21	21	21	22
		OUTDOOR UNIT CURRENT (A)	11.3	12.7	14.2	15.7	17.5	19.4	21.2
		COMPRESSOR CURRENT (A)	9.7	11.2	12.7	14.1	16.0	17.9	19.8
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	15	15	14	13

YZH04811(C) (LOW STAGE) W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	845	LIQUID PRESSURE (PSIG)	219	250	266	281	303	330
		LIQUID TEMPERATURE (°F)	55	61	64	65	64	67
		LIQUID SUBCOOLING (°F)	20	23	24	27	33	36
		SUCTION PRESSURE (PSIG)	53	61	80	96	108	133
		SUCTION TEMPERATURE (°F)	10	20	28	38	44	54
		SUCTION SUPERHEAT (°F)	7	11	7	9	9	8
		OUTDOOR UNIT CURRENT (A)	7.0	8.2	8.7	9.2	9.9	10.7
		COMPRESSOR CURRENT (A)	5.6	6.8	7.3	7.8	8.4	9.2
		INDOOR COIL DB TEMP RISE (°F)	17	21	28	34	38	47
	1045	LIQUID PRESSURE (PSIG)	220	240	253	266	282	307
		LIQUID TEMPERATURE (°F)	54	59	60	62	62	64
		LIQUID SUBCOOLING (°F)	22	22	25	26	30	34
		SUCTION PRESSURE (PSIG)	52	61	80	96	108	132
		SUCTION TEMPERATURE (°F)	9	19	28	38	43	53
		SUCTION SUPERHEAT (°F)	6	10	7	9	8	7
		OUTDOOR UNIT CURRENT (A)	7.0	7.9	8.3	8.7	9.2	10.0
		COMPRESSOR CURRENT (A)	5.6	6.5	6.9	7.3	7.8	8.5
		INDOOR COIL DB TEMP RISE (°F)	15	18	24	28	32	40
	1245	LIQUID PRESSURE (PSIG)	221	229	241	250	260	284
		LIQUID TEMPERATURE (°F)	53	57	56	58	59	60
		LIQUID SUBCOOLING (°F)	23	21	26	26	28	32
		SUCTION PRESSURE (PSIG)	51	61	79	95	107	132
		SUCTION TEMPERATURE (°F)	8	19	28	38	43	53
		SUCTION SUPERHEAT (°F)	6	10	8	9	8	7
		OUTDOOR UNIT CURRENT (A)	7.0	7.5	7.9	8.2	8.5	9.3
		COMPRESSOR CURRENT (A)	5.7	6.2	6.5	6.8	7.1	7.8
		INDOOR COIL DB TEMP RISE (°F)	13	15	20	23	26	33
70	845	LIQUID PRESSURE (PSIG)	272	286	306	325	344	377
		LIQUID TEMPERATURE (°F)	64	67	71	71	70	73
		LIQUID SUBCOOLING (°F)	26	26	27	31	36	39
		SUCTION PRESSURE (PSIG)	52	62	80	97	109	135
		SUCTION TEMPERATURE (°F)	9	20	29	39	44	54
		SUCTION SUPERHEAT (°F)	6	10	8	9	8	7
		OUTDOOR UNIT CURRENT (A)	8.6	9.3	10.0	10.6	11.2	12.3
		COMPRESSOR CURRENT (A)	7.1	7.9	8.5	9.1	9.7	10.7
		INDOOR COIL DB TEMP RISE (°F)	17	21	27	33	38	46
	1045	LIQUID PRESSURE (PSIG)	264	276	292	309	323	354
		LIQUID TEMPERATURE (°F)	63	65	67	67	68	69
		LIQUID SUBCOOLING (°F)	25	26	27	31	33	39
		SUCTION PRESSURE (PSIG)	52	62	80	96	109	134
		SUCTION TEMPERATURE (°F)	9	20	28	38	44	54
		SUCTION SUPERHEAT (°F)	6	10	7	9	8	7
		OUTDOOR UNIT CURRENT (A)	8.3	9.0	9.6	10.1	10.6	11.5
		COMPRESSOR CURRENT (A)	6.9	7.5	8.1	8.6	9.0	9.9
		INDOOR COIL DB TEMP RISE (°F)	15	18	23	28	32	39
	1245	LIQUID PRESSURE (PSIG)	257	265	278	294	303	331
		LIQUID TEMPERATURE (°F)	61	64	63	64	65	65
		LIQUID SUBCOOLING (°F)	25	24	28	31	32	38
		SUCTION PRESSURE (PSIG)	51	61	80	96	108	133
		SUCTION TEMPERATURE (°F)	9	20	28	38	44	53
		SUCTION SUPERHEAT (°F)	7	11	7	9	9	7
		OUTDOOR UNIT CURRENT (A)	8.1	8.7	9.1	9.6	9.9	10.8
		COMPRESSOR CURRENT (A)	6.7	7.2	7.7	8.1	8.4	9.2
		INDOOR COIL DB TEMP RISE (°F)	13	15	19	23	26	32

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YZH04811(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	845	LIQUID PRESSURE (PSIG)	324	322	345	368	385	424
		LIQUID TEMPERATURE (°F)	74	74	77	77	77	79
		LIQUID SUBCOOLING (°F)	28	27	29	34	37	42
		SUCTION PRESSURE (PSIG)	51	62	81	98	110	136
		SUCTION TEMPERATURE (°F)	9	20	29	39	44	55
		SUCTION SUPERHEAT (°F)	7	10	8	9	8	8
		OUTDOOR UNIT CURRENT (A)	10.1	10.5	11.3	12.0	12.6	13.9
		COMPRESSOR CURRENT (A)	8.6	8.9	9.7	10.4	10.9	12.2
		INDOOR COIL DB TEMP RISE (°F)	18	21	27	33	37	45
	1045	LIQUID PRESSURE (PSIG)	309	311	330	353	365	402
		LIQUID TEMPERATURE (°F)	71	72	74	73	73	75
		LIQUID SUBCOOLING (°F)	27	27	29	35	37	42
		SUCTION PRESSURE (PSIG)	52	62	81	97	110	135
		SUCTION TEMPERATURE (°F)	9	20	29	39	44	54
		SUCTION SUPERHEAT (°F)	6	10	8	9	8	7
		OUTDOOR UNIT CURRENT (A)	9.7	10.1	10.8	11.5	11.9	13.1
		COMPRESSOR CURRENT (A)	8.2	8.6	9.2	9.9	10.3	11.4
		INDOOR COIL DB TEMP RISE (°F)	15	18	23	28	31	39
	1245	LIQUID PRESSURE (PSIG)	293	301	316	337	346	379
		LIQUID TEMPERATURE (°F)	69	70	71	69	70	70
		LIQUID SUBCOOLING (°F)	26	26	29	35	36	43
		SUCTION PRESSURE (PSIG)	52	62	81	97	109	134
		SUCTION TEMPERATURE (°F)	9	20	29	38	44	54
		SUCTION SUPERHEAT (°F)	6	10	8	8	8	7
		OUTDOOR UNIT CURRENT (A)	9.2	9.8	10.3	11.0	11.3	12.3
		COMPRESSOR CURRENT (A)	7.7	8.3	8.8	9.4	9.7	10.6
		INDOOR COIL DB TEMP RISE (°F)	13	14	19	23	26	32

YZH04811(C) (HIGH STAGE) W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1300	LIQUID PRESSURE (PSIG)	234	246	267	286	300	330
		LIQUID TEMPERATURE (°F)	56	55	57	60	63	67
		LIQUID SUBCOOLING (°F)	24	28	31	33	33	36
		SUCTION PRESSURE (PSIG)	49	56	73	88	100	126
		SUCTION TEMPERATURE (°F)	8	13	24	32	39	50
		SUCTION SUPERHEAT (°F)	8	7	7	7	8	7
		OUTDOOR UNIT CURRENT (A)	10.2	10.7	11.5	12.2	12.7	13.7
		COMPRESSOR CURRENT (A)	8.8	9.3	10.1	10.7	11.1	12.1
		INDOOR COIL DB TEMP RISE (°F)	20	23	27	32	35	41
	1500	LIQUID PRESSURE (PSIG)	227	237	256	273	286	312
		LIQUID TEMPERATURE (°F)	55	54	56	58	60	65
		LIQUID SUBCOOLING (°F)	23	26	29	32	33	34
		SUCTION PRESSURE (PSIG)	49	56	73	87	100	126
		SUCTION TEMPERATURE (°F)	8	13	24	32	39	50
		SUCTION SUPERHEAT (°F)	8	7	7	7	8	7
		OUTDOOR UNIT CURRENT (A)	10.0	10.4	11.2	11.8	12.2	13.1
		COMPRESSOR CURRENT (A)	8.6	9.0	9.7	10.3	10.7	11.5
		INDOOR COIL DB TEMP RISE (°F)	18	20	24	28	31	37
	1700	LIQUID PRESSURE (PSIG)	220	228	245	259	271	294
		LIQUID TEMPERATURE (°F)	53	52	54	56	58	63
		LIQUID SUBCOOLING (°F)	23	26	29	30	31	32
		SUCTION PRESSURE (PSIG)	49	56	73	87	100	125
		SUCTION TEMPERATURE (°F)	8	13	24	32	39	50
		SUCTION SUPERHEAT (°F)	8	7	7	7	8	7
		OUTDOOR UNIT CURRENT (A)	9.7	10.1	10.8	11.3	11.7	12.6
		COMPRESSOR CURRENT (A)	8.4	8.8	9.4	9.9	10.3	11.0
		INDOOR COIL DB TEMP RISE (°F)	16	18	21	24	27	32
70	1300	LIQUID PRESSURE (PSIG)	271	283	306	326	340	371
		LIQUID TEMPERATURE (°F)	61	61	63	65	68	73
		LIQUID SUBCOOLING (°F)	28	31	35	37	37	38
		SUCTION PRESSURE (PSIG)	49	57	74	89	101	127
		SUCTION TEMPERATURE (°F)	8	14	25	32	39	51
		SUCTION SUPERHEAT (°F)	8	8	8	6	7	7
		OUTDOOR UNIT CURRENT (A)	11.3	11.9	12.8	13.5	13.9	15.0
		COMPRESSOR CURRENT (A)	9.9	10.4	11.2	11.9	12.3	13.3
		INDOOR COIL DB TEMP RISE (°F)	20	22	27	31	34	40
	1500	LIQUID PRESSURE (PSIG)	263	274	294	312	325	352
		LIQUID TEMPERATURE (°F)	60	60	61	63	66	70
		LIQUID SUBCOOLING (°F)	27	30	34	36	36	37
		SUCTION PRESSURE (PSIG)	49	57	74	88	101	126
		SUCTION TEMPERATURE (°F)	8	14	25	32	39	51
		SUCTION SUPERHEAT (°F)	8	8	8	7	7	8
		OUTDOOR UNIT CURRENT (A)	11.1	11.6	12.4	13.0	13.4	14.4
		COMPRESSOR CURRENT (A)	9.7	10.1	10.9	11.4	11.9	12.8
		INDOOR COIL DB TEMP RISE (°F)	18	20	24	28	30	36
	1700	LIQUID PRESSURE (PSIG)	256	264	283	298	310	334
		LIQUID TEMPERATURE (°F)	59	58	60	62	64	68
		LIQUID SUBCOOLING (°F)	26	30	32	34	34	36
		SUCTION PRESSURE (PSIG)	49	56	73	88	101	126
		SUCTION TEMPERATURE (°F)	8	14	24	32	39	51
		SUCTION SUPERHEAT (°F)	8	8	7	7	7	8
		OUTDOOR UNIT CURRENT (A)	10.8	11.3	12.0	12.5	13.0	13.8
		COMPRESSOR CURRENT (A)	9.4	9.8	10.5	11.0	11.4	12.2
		INDOOR COIL DB TEMP RISE (°F)	16	17	21	24	27	31

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YZH04811(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1300	LIQUID PRESSURE (PSIG)	308	320	345	366	379	411
		LIQUID TEMPERATURE (°F)	67	67	69	71	73	78
		LIQUID SUBCOOLING (°F)	31	34	37	39	40	41
		SUCTION PRESSURE (PSIG)	49	57	75	90	102	128
		SUCTION TEMPERATURE (°F)	8	14	25	33	40	51
		SUCTION SUPERHEAT (°F)	8	8	7	7	8	7
		OUTDOOR UNIT CURRENT (A)	12.4	13.0	14.0	14.7	15.2	16.4
		COMPRESSOR CURRENT (A)	10.9	11.4	12.4	13.1	13.5	14.6
		INDOOR COIL DB TEMP RISE (°F)	20	22	27	31	34	39
	1500	LIQUID PRESSURE (PSIG)	299	310	333	351	364	392
		LIQUID TEMPERATURE (°F)	65	66	67	69	72	76
		LIQUID SUBCOOLING (°F)	31	32	36	38	38	39
		SUCTION PRESSURE (PSIG)	49	57	74	89	102	127
		SUCTION TEMPERATURE (°F)	8	14	25	33	40	51
		SUCTION SUPERHEAT (°F)	8	8	8	7	8	7
		OUTDOOR UNIT CURRENT (A)	12.2	12.7	13.6	14.3	14.7	15.7
		COMPRESSOR CURRENT (A)	10.7	11.2	12.0	12.6	13.0	14.0
		INDOOR COIL DB TEMP RISE (°F)	18	20	24	27	30	35
	1700	LIQUID PRESSURE (PSIG)	291	300	321	337	348	373
		LIQUID TEMPERATURE (°F)	64	65	66	67	70	74
		LIQUID SUBCOOLING (°F)	30	31	35	37	37	38
		SUCTION PRESSURE (PSIG)	49	57	74	89	101	127
		SUCTION TEMPERATURE (°F)	8	14	25	32	40	51
		SUCTION SUPERHEAT (°F)	8	8	8	6	8	7
		OUTDOOR UNIT CURRENT (A)	11.9	12.4	13.2	13.8	14.2	15.1
		COMPRESSOR CURRENT (A)	10.4	10.9	11.6	12.2	12.5	13.4
		INDOOR COIL DB TEMP RISE (°F)	16	17	21	24	26	31

FOR USE WITH MODELS:

YZH06011(C)
HC8B060F3C
HL8B060F3C

YZH06011(C) (HIGH STAGE) 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			
65	232(5)	235(5)	245(4)	254(9)
70	256(7)	259(7)	269(6)	278(11)
75	279(8)	282(8)	292(8)	302(12)
80	303(9)	306(9)	316(9)	326(12)
85	327(10)	329(10)	340(10)	349(13)
90	351(10)	353(10)	363(11)	373(13)
95	375(10)	376(10)	387(12)	397(13)
100	402(11)	403(11)	412(12)	422(13)
105	429(11)	430(11)	438(12)	447(13)
110	457(11)	457(11)	464(12)	472(13)
115	484(11)	483(11)	489(11)	496(13)
120	511(11)	510(11)	515(11)	521(13)
125	539(10)	537(10)	540(10)	546(12)

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

Charging chart is for use in Cooling mode only.

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

YZH06011(C) (LOW STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YZH06011(C) (LOW STAGE)	35	107	40.4	2.00	36.8	2.30	33.2	2.60	29.6	2.90	26.0	3.21	22.4	3.51	18.7	3.81
	40	119	44.9	1.98	41.1	2.30	37.3	2.62	33.5	2.94	29.8	3.25	26.0	3.57	22.2	3.89
	45	130	49.4	1.96	45.5	2.30	41.5	2.63	37.5	2.97	33.5	3.30	29.6	3.64	25.6	3.97
	50	143	53.9	1.94	49.8	2.29	45.6	2.65	41.5	3.00	37.3	3.35	33.2	3.70	29.0	4.05
	55	156	58.4	1.92	54.1	2.29	49.8	2.66	45.4	3.03	41.1	3.40	36.8	3.76	32.4	4.13

YZH06011(C) (HIGH STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YZH06011(C) (HIGH STAGE)	35	107	52.1	2.62	49.7	3.10	47.3	3.59	44.8	4.07	42.4	4.55	39.9	5.04	37.5	5.52
	40	119	58.9	2.71	55.9	3.20	53.0	3.68	50.0	4.16	47.1	4.64	44.1	5.13	41.2	5.61
	45	130	65.6	2.81	62.1	3.29	58.7	3.77	55.2	4.25	51.7	4.73	48.3	5.21	44.8	5.69
	50	143	72.3	2.90	68.3	3.38	64.4	3.86	60.4	4.34	56.4	4.82	52.5	5.30	48.5	5.78
	55	156	79.0	3.00	74.5	3.47	70.1	3.95	65.6	4.43	61.1	4.91	56.6	5.39	52.2	5.87

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YZH06011(C) (LOW STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1125	LIQUID PRESSURE (PSIG)	213	257	300	344	395	446	498
		LIQUID TEMPERATURE (°F)	76	85	93	102	111	120	129
		LIQUID SUBCOOLING (°F)	-2	1	3	4	5	5	5
		SUCTION PRESSURE (PSIG)	122	124	127	129	132	135	138
		SUCTION TEMPERATURE (°F)	54	55	56	57	58	59	61
		SUCTION SUPERHEAT (°F)	12	13	12	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	8.6	10.2	11.8	13.4	15.5	17.6	19.7
		COMPRESSOR CURRENT (A)	7.2	8.8	10.4	12.0	14.1	16.2	18.3
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	23	22	21
	1175	LIQUID PRESSURE (PSIG)	214	257	301	344	396	447	499
		LIQUID TEMPERATURE (°F)	76	85	93	101	111	120	129
		LIQUID SUBCOOLING (°F)	-2	1	3	5	5	5	5
		SUCTION PRESSURE (PSIG)	123	125	128	130	133	136	139
		SUCTION TEMPERATURE (°F)	54	55	56	57	59	60	61
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	12
		OUTDOOR UNIT CURRENT (A)	8.6	10.2	11.8	13.4	15.5	17.6	19.7
		COMPRESSOR CURRENT (A)	7.2	8.8	10.4	12.0	14.1	16.2	18.4
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	22	21
	1225	LIQUID PRESSURE (PSIG)	215	258	301	344	396	448	500
		LIQUID TEMPERATURE (°F)	77	85	93	101	110	120	129
		LIQUID SUBCOOLING (°F)	-3	1	3	5	6	5	5
		SUCTION PRESSURE (PSIG)	124	126	129	131	134	137	140
		SUCTION TEMPERATURE (°F)	55	56	57	58	59	60	61
		SUCTION SUPERHEAT (°F)	13	13	12	13	12	12	12
		OUTDOOR UNIT CURRENT (A)	8.7	10.2	11.8	13.4	15.5	17.6	19.7
		COMPRESSOR CURRENT (A)	7.2	8.8	10.4	12.0	14.1	16.2	18.4
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	21	20
80/62	1125	LIQUID PRESSURE (PSIG)	214	257	300	344	395	446	498
		LIQUID TEMPERATURE (°F)	76	85	93	102	111	120	129
		LIQUID SUBCOOLING (°F)	-2	1	3	4	5	5	5
		SUCTION PRESSURE (PSIG)	122	125	127	130	133	135	138
		SUCTION TEMPERATURE (°F)	54	55	56	57	58	60	61
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	8.6	10.2	11.8	13.4	15.5	17.6	19.7
		COMPRESSOR CURRENT (A)	7.2	8.8	10.4	12.0	14.1	16.2	18.4
		INDOOR COIL DB TEMP DROP (°F)	31	30	29	29	27	26	24
	1175	LIQUID PRESSURE (PSIG)	214	258	301	344	396	448	500
		LIQUID TEMPERATURE (°F)	76	85	93	102	111	120	129
		LIQUID SUBCOOLING (°F)	-2	1	3	4	5	5	5
		SUCTION PRESSURE (PSIG)	123	126	128	131	134	137	140
		SUCTION TEMPERATURE (°F)	54	55	56	58	59	60	62
		SUCTION SUPERHEAT (°F)	12	12	12	13	12	12	13
		OUTDOOR UNIT CURRENT (A)	8.6	10.2	11.8	13.4	15.5	17.6	19.7
		COMPRESSOR CURRENT (A)	7.2	8.8	10.4	12.0	14.1	16.2	18.3
		INDOOR COIL DB TEMP DROP (°F)	30	29	29	28	27	25	24
	1225	LIQUID PRESSURE (PSIG)	215	258	301	344	397	449	502
		LIQUID TEMPERATURE (°F)	77	85	93	101	110	120	129
		LIQUID SUBCOOLING (°F)	-3	1	3	5	6	6	5
		SUCTION PRESSURE (PSIG)	124	127	129	131	135	139	143
		SUCTION TEMPERATURE (°F)	55	56	57	58	59	61	63
		SUCTION SUPERHEAT (°F)	13	12	12	13	12	12	13
		OUTDOOR UNIT CURRENT (A)	8.6	10.2	11.8	13.4	15.5	17.5	19.6
		COMPRESSOR CURRENT (A)	7.2	8.8	10.4	12.0	14.1	16.2	18.3
		INDOOR COIL DB TEMP DROP (°F)	29	29	28	28	26	25	24

Continued on next page.

YZH06011(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1125	LIQUID PRESSURE (PSIG)	219	263	307	350	401	452	504
		LIQUID TEMPERATURE (°F)	76	85	94	103	112	121	130
		LIQUID SUBCOOLING (°F)	-1	2	4	4	5	5	5
		SUCTION PRESSURE (PSIG)	131	134	137	140	143	146	149
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	64	65
		SUCTION SUPERHEAT (°F)	13	12	12	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	8.7	10.2	11.8	13.3	15.4	17.4	19.4
		COMPRESSOR CURRENT (A)	7.3	8.8	10.4	11.9	14.0	16.0	18.1
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	23	22	21
	1175	LIQUID PRESSURE (PSIG)	220	264	307	351	402	453	504
		LIQUID TEMPERATURE (°F)	76	85	94	103	112	121	130
		LIQUID SUBCOOLING (°F)	0	3	4	4	5	5	5
		SUCTION PRESSURE (PSIG)	133	135	138	141	144	147	150
		SUCTION TEMPERATURE (°F)	58	60	61	62	63	64	65
		SUCTION SUPERHEAT (°F)	12	13	13	13	12	12	12
		OUTDOOR UNIT CURRENT (A)	8.7	10.2	11.8	13.3	15.4	17.4	19.4
		COMPRESSOR CURRENT (A)	7.3	8.8	10.4	11.9	14.0	16.0	18.1
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	21	21
	1225	LIQUID PRESSURE (PSIG)	221	264	308	352	403	454	505
		LIQUID TEMPERATURE (°F)	76	85	94	103	112	121	130
		LIQUID SUBCOOLING (°F)	0	3	4	4	5	5	5
		SUCTION PRESSURE (PSIG)	134	137	139	142	145	148	151
		SUCTION TEMPERATURE (°F)	59	60	61	62	63	65	66
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	8.7	10.2	11.8	13.3	15.4	17.4	19.4
		COMPRESSOR CURRENT (A)	7.3	8.8	10.4	11.9	14.0	16.0	18.1
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20
80/72	1125	LIQUID PRESSURE (PSIG)	225	269	313	357	409	461	513
		LIQUID TEMPERATURE (°F)	76	85	94	103	112	121	130
		LIQUID SUBCOOLING (°F)	1	4	5	5	7	7	6
		SUCTION PRESSURE (PSIG)	141	144	147	150	154	157	161
		SUCTION TEMPERATURE (°F)	62	63	64	66	67	68	69
		SUCTION SUPERHEAT (°F)	13	12	12	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	8.7	10.3	11.8	13.3	15.3	17.3	19.4
		COMPRESSOR CURRENT (A)	7.3	8.9	10.4	11.9	14.0	16.0	18.0
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	17	16
	1175	LIQUID PRESSURE (PSIG)	226	270	314	358	410	461	513
		LIQUID TEMPERATURE (°F)	76	85	94	103	112	121	130
		LIQUID SUBCOOLING (°F)	1	4	5	6	7	7	6
		SUCTION PRESSURE (PSIG)	142	145	148	151	155	158	162
		SUCTION TEMPERATURE (°F)	62	64	65	66	67	68	70
		SUCTION SUPERHEAT (°F)	12	13	13	13	12	12	13
		OUTDOOR UNIT CURRENT (A)	8.7	10.3	11.8	13.3	15.3	17.3	19.3
		COMPRESSOR CURRENT (A)	7.3	8.9	10.4	11.9	14.0	16.0	18.0
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	18	17	17	16
	1225	LIQUID PRESSURE (PSIG)	226	271	315	359	410	462	514
		LIQUID TEMPERATURE (°F)	76	85	94	103	112	121	130
		LIQUID SUBCOOLING (°F)	1	4	6	6	7	7	6
		SUCTION PRESSURE (PSIG)	144	147	150	152	156	159	162
		SUCTION TEMPERATURE (°F)	63	64	65	66	68	69	70
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	8.7	10.3	11.8	13.3	15.3	17.3	19.3
		COMPRESSOR CURRENT (A)	7.3	8.9	10.4	11.9	13.9	16.0	18.0
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	17	16	15

YZH06011(C) (HIGH STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1718	LIQUID PRESSURE (PSIG)	235	282	329	376	429	482	536
		LIQUID TEMPERATURE (°F)	74	83	92	101	110	119	128
		LIQUID SUBCOOLING (°F)	6	9	11	11	12	12	12
		SUCTION PRESSURE (PSIG)	120	123	125	127	130	132	135
		SUCTION TEMPERATURE (°F)	52	53	54	55	56	57	58
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	12.5	14.7	16.8	18.9	21.4	23.9	26.4
		COMPRESSOR CURRENT (A)	11.1	13.2	15.4	17.5	20.0	22.6	25.1
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	21	20
	1818	LIQUID PRESSURE (PSIG)	236	283	330	377	430	484	537
		LIQUID TEMPERATURE (°F)	74	83	92	101	110	119	128
		LIQUID SUBCOOLING (°F)	6	9	11	11	12	12	12
		SUCTION PRESSURE (PSIG)	121	124	126	128	131	133	136
		SUCTION TEMPERATURE (°F)	53	54	55	56	57	58	59
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	12.6	14.7	16.9	19.0	21.5	24.0	26.5
		COMPRESSOR CURRENT (A)	11.2	13.3	15.4	17.6	20.1	22.6	25.1
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19
	1918	LIQUID PRESSURE (PSIG)	237	284	331	378	432	485	538
		LIQUID TEMPERATURE (°F)	74	83	92	101	110	119	128
		LIQUID SUBCOOLING (°F)	6	9	11	12	13	13	12
		SUCTION PRESSURE (PSIG)	123	125	127	129	132	134	137
		SUCTION TEMPERATURE (°F)	53	54	55	56	57	58	59
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	12.7	14.8	16.9	19.0	21.5	24.0	26.5
		COMPRESSOR CURRENT (A)	11.2	13.4	15.5	17.7	20.2	22.7	25.2
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	20	19
80/62	1718	LIQUID PRESSURE (PSIG)	234	281	328	375	428	482	535
		LIQUID TEMPERATURE (°F)	75	84	93	102	111	120	129
		LIQUID SUBCOOLING (°F)	5	8	9	10	11	11	10
		SUCTION PRESSURE (PSIG)	121	123	125	127	130	133	135
		SUCTION TEMPERATURE (°F)	52	53	54	55	56	57	59
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	12.5	14.6	16.8	18.9	21.4	23.9	26.4
		COMPRESSOR CURRENT (A)	11.1	13.2	15.3	17.5	20.0	22.5	25.0
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	27	25	24	23
	1818	LIQUID PRESSURE (PSIG)	236	283	330	377	430	484	538
		LIQUID TEMPERATURE (°F)	75	84	93	101	111	120	129
		LIQUID SUBCOOLING (°F)	5	8	10	11	11	11	11
		SUCTION PRESSURE (PSIG)	122	124	126	128	132	135	138
		SUCTION TEMPERATURE (°F)	53	54	55	56	57	58	60
		SUCTION SUPERHEAT (°F)	11	12	12	12	11	11	12
		OUTDOOR UNIT CURRENT (A)	12.6	14.7	16.8	19.0	21.5	24.0	26.5
		COMPRESSOR CURRENT (A)	11.1	13.3	15.4	17.6	20.1	22.6	25.2
		INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	24	22
	1918	LIQUID PRESSURE (PSIG)	237	284	331	379	432	486	540
		LIQUID TEMPERATURE (°F)	74	83	92	101	110	120	129
		LIQUID SUBCOOLING (°F)	6	9	11	12	13	12	11
		SUCTION PRESSURE (PSIG)	123	125	127	129	133	137	141
		SUCTION TEMPERATURE (°F)	53	54	55	56	58	59	61
		SUCTION SUPERHEAT (°F)	11	11	11	11	12	11	12
		OUTDOOR UNIT CURRENT (A)	12.7	14.8	16.9	19.1	21.6	24.1	26.7
		COMPRESSOR CURRENT (A)	11.2	13.4	15.5	17.7	20.2	22.8	25.4
		INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	24	23	22

Continued on next page.

YZH06011(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1718	LIQUID PRESSURE (PSIG)	244	292	339	387	438	489	541
		LIQUID TEMPERATURE (°F)	78	86	94	102	111	120	130
		LIQUID SUBCOOLING (°F)	4	8	11	12	13	12	10
		SUCTION PRESSURE (PSIG)	131	133	135	137	140	143	146
		SUCTION TEMPERATURE (°F)	57	58	58	59	61	62	63
		SUCTION SUPERHEAT (°F)	12	12	11	11	12	12	12
		OUTDOOR UNIT CURRENT (A)	13.1	15.2	17.4	19.5	21.9	24.3	26.7
		COMPRESSOR CURRENT (A)	11.6	13.8	15.9	18.1	20.5	23.0	25.4
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	20	20
	1818	LIQUID PRESSURE (PSIG)	246	293	340	387	438	490	541
		LIQUID TEMPERATURE (°F)	79	86	94	102	111	120	130
		LIQUID SUBCOOLING (°F)	4	9	11	12	13	12	10
		SUCTION PRESSURE (PSIG)	132	134	136	139	141	144	147
		SUCTION TEMPERATURE (°F)	57	58	59	60	61	62	63
		SUCTION SUPERHEAT (°F)	11	11	12	11	12	11	11
		OUTDOOR UNIT CURRENT (A)	13.1	15.3	17.4	19.5	21.9	24.3	26.8
		COMPRESSOR CURRENT (A)	11.7	13.8	16.0	18.1	20.6	23.0	25.4
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19
	1918	LIQUID PRESSURE (PSIG)	247	294	341	388	439	490	541
		LIQUID TEMPERATURE (°F)	79	86	94	102	111	121	130
		LIQUID SUBCOOLING (°F)	4	9	11	13	13	11	10
		SUCTION PRESSURE (PSIG)	133	135	138	140	142	145	148
		SUCTION TEMPERATURE (°F)	58	59	60	60	61	63	64
		SUCTION SUPERHEAT (°F)	12	12	12	11	11	12	12
		OUTDOOR UNIT CURRENT (A)	13.2	15.3	17.5	19.6	22.0	24.4	26.8
		COMPRESSOR CURRENT (A)	11.8	13.9	16.1	18.2	20.6	23.0	25.4
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	19
80/72	1718	LIQUID PRESSURE (PSIG)	254	301	349	397	446	496	546
		LIQUID TEMPERATURE (°F)	75	84	93	103	111	120	128
		LIQUID SUBCOOLING (°F)	10	12	14	13	14	13	13
		SUCTION PRESSURE (PSIG)	140	142	145	148	151	154	157
		SUCTION TEMPERATURE (°F)	60	62	63	64	65	66	67
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	13.6	15.7	17.9	20.1	22.4	24.7	27.0
		COMPRESSOR CURRENT (A)	12.1	14.3	16.5	18.7	21.0	23.4	25.7
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	17	16	15
	1818	LIQUID PRESSURE (PSIG)	254	302	350	398	447	497	547
		LIQUID TEMPERATURE (°F)	75	84	94	103	111	120	128
		LIQUID SUBCOOLING (°F)	10	13	13	13	14	14	13
		SUCTION PRESSURE (PSIG)	141	144	147	150	152	155	158
		SUCTION TEMPERATURE (°F)	61	62	63	64	65	66	67
		SUCTION SUPERHEAT (°F)	12	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	13.6	15.8	18.0	20.1	22.4	24.8	27.1
		COMPRESSOR CURRENT (A)	12.2	14.4	16.5	18.7	21.1	23.4	25.7
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	16	15	15
	1918	LIQUID PRESSURE (PSIG)	255	303	351	399	448	498	547
		LIQUID TEMPERATURE (°F)	76	85	94	103	111	120	128
		LIQUID SUBCOOLING (°F)	9	12	13	14	14	14	13
		SUCTION PRESSURE (PSIG)	143	145	148	151	153	156	158
		SUCTION TEMPERATURE (°F)	62	63	64	65	66	67	68
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	13.6	15.8	18.0	20.2	22.5	24.8	27.1
		COMPRESSOR CURRENT (A)	12.2	14.4	16.6	18.8	21.1	23.5	25.8
		INDOOR COIL DB TEMP DROP (°F)	18	18	17	16	16	15	14

YZH06011(C) (LOW STAGE) W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1065	LIQUID PRESSURE (PSIG)	272	286	313	333	351	385
		LIQUID TEMPERATURE (°F)	68	68	69	72	76	82
		LIQUID SUBCOOLING (°F)	22	25	30	31	31	32
		SUCTION PRESSURE (PSIG)	47	55	73	89	103	128
		SUCTION TEMPERATURE (°F)	21	26	35	42	47	57
		SUCTION SUPERHEAT (°F)	22	21	18	16	14	13
		OUTDOOR UNIT CURRENT (A)	13.2	13.6	14.1	14.5	14.8	15.5
		COMPRESSOR CURRENT (A)	11.2	11.6	12.2	12.6	12.9	13.6
		INDOOR COIL DB TEMP RISE (°F)	18	21	27	32	36	44
	1115	LIQUID PRESSURE (PSIG)	270	283	309	327	345	378
		LIQUID TEMPERATURE (°F)	67	67	68	72	75	81
		LIQUID SUBCOOLING (°F)	22	25	30	30	31	32
		SUCTION PRESSURE (PSIG)	47	55	73	88	102	128
		SUCTION TEMPERATURE (°F)	21	26	35	42	47	57
		SUCTION SUPERHEAT (°F)	22	21	18	17	15	13
		OUTDOOR UNIT CURRENT (A)	13.1	13.5	14.0	14.3	14.6	15.2
		COMPRESSOR CURRENT (A)	11.1	11.5	12.0	12.4	12.7	13.3
		INDOOR COIL DB TEMP RISE (°F)	17	20	26	31	35	42
	1165	LIQUID PRESSURE (PSIG)	267	280	304	321	339	372
		LIQUID TEMPERATURE (°F)	67	66	67	71	74	80
		LIQUID SUBCOOLING (°F)	21	25	30	30	31	31
		SUCTION PRESSURE (PSIG)	47	55	73	88	102	128
		SUCTION TEMPERATURE (°F)	21	26	35	42	47	57
		SUCTION SUPERHEAT (°F)	22	21	18	17	15	13
		OUTDOOR UNIT CURRENT (A)	13.0	13.3	13.8	14.0	14.4	14.9
		COMPRESSOR CURRENT (A)	11.0	11.4	11.9	12.1	12.4	13.1
		INDOOR COIL DB TEMP RISE (°F)	17	19	25	29	33	41
70	1065	LIQUID PRESSURE (PSIG)	322	332	350	372	389	425
		LIQUID TEMPERATURE (°F)	69	72	78	81	84	90
		LIQUID SUBCOOLING (°F)	32	31	29	30	31	31
		SUCTION PRESSURE (PSIG)	47	56	74	90	103	130
		SUCTION TEMPERATURE (°F)	21	26	35	43	48	57
		SUCTION SUPERHEAT (°F)	22	20	18	17	15	12
		OUTDOOR UNIT CURRENT (A)	15.4	15.5	15.7	16.1	16.3	17.0
		COMPRESSOR CURRENT (A)	13.6	13.7	13.9	14.3	14.5	15.2
		INDOOR COIL DB TEMP RISE (°F)	19	22	27	32	36	44
	1115	LIQUID PRESSURE (PSIG)	320	329	346	366	383	418
		LIQUID TEMPERATURE (°F)	70	72	77	80	83	89
		LIQUID SUBCOOLING (°F)	31	31	29	30	31	31
		SUCTION PRESSURE (PSIG)	47	56	74	90	103	129
		SUCTION TEMPERATURE (°F)	21	26	35	42	48	57
		SUCTION SUPERHEAT (°F)	22	20	18	16	15	12
		OUTDOOR UNIT CURRENT (A)	15.4	15.4	15.5	15.9	16.1	16.7
		COMPRESSOR CURRENT (A)	13.5	13.6	13.7	14.0	14.3	14.9
		INDOOR COIL DB TEMP RISE (°F)	18	21	26	31	34	42
	1165	LIQUID PRESSURE (PSIG)	319	327	341	361	376	411
		LIQUID TEMPERATURE (°F)	70	72	76	79	82	88
		LIQUID SUBCOOLING (°F)	30	30	29	30	30	31
		SUCTION PRESSURE (PSIG)	46	56	74	90	103	129
		SUCTION TEMPERATURE (°F)	21	26	35	42	47	57
		SUCTION SUPERHEAT (°F)	23	20	18	16	14	12
		OUTDOOR UNIT CURRENT (A)	15.3	15.3	15.3	15.6	15.9	16.4
		COMPRESSOR CURRENT (A)	13.5	13.5	13.5	13.8	14.0	14.7
		INDOOR COIL DB TEMP RISE (°F)	18	20	25	29	33	40

Continued on next page.

YZH06011(C) (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1065	LIQUID PRESSURE (PSIG)	373	378	388	412	426	464
		LIQUID TEMPERATURE (°F)	70	76	87	89	92	98
		LIQUID SUBCOOLING (°F)	42	37	28	30	30	30
		SUCTION PRESSURE (PSIG)	47	57	76	92	104	131
		SUCTION TEMPERATURE (°F)	22	27	36	43	48	58
		SUCTION SUPERHEAT (°F)	23	21	17	16	15	13
		OUTDOOR UNIT CURRENT (A)	17.6	17.5	17.3	17.7	17.9	18.6
		COMPRESSOR CURRENT (A)	15.9	15.8	15.5	16.0	16.1	16.9
		INDOOR COIL DB TEMP RISE (°F)	19	22	27	32	35	43
	1115	LIQUID PRESSURE (PSIG)	371	375	383	406	420	457
		LIQUID TEMPERATURE (°F)	72	77	85	88	91	97
		LIQUID SUBCOOLING (°F)	39	35	29	30	30	30
		SUCTION PRESSURE (PSIG)	46	57	76	91	104	131
		SUCTION TEMPERATURE (°F)	21	26	36	43	48	58
		SUCTION SUPERHEAT (°F)	23	20	17	16	15	13
		OUTDOOR UNIT CURRENT (A)	17.6	17.4	17.1	17.5	17.6	18.3
		COMPRESSOR CURRENT (A)	15.9	15.7	15.3	15.7	15.9	16.6
		INDOOR COIL DB TEMP RISE (°F)	19	21	26	31	34	41
	1165	LIQUID PRESSURE (PSIG)	370	373	379	400	414	449
		LIQUID TEMPERATURE (°F)	74	77	84	87	90	96
		LIQUID SUBCOOLING (°F)	37	35	29	30	29	30
		SUCTION PRESSURE (PSIG)	46	56	75	91	103	131
		SUCTION TEMPERATURE (°F)	21	26	36	43	48	58
		SUCTION SUPERHEAT (°F)	23	20	18	16	15	13
		OUTDOOR UNIT CURRENT (A)	17.6	17.4	16.8	17.2	17.4	18.0
		COMPRESSOR CURRENT (A)	15.9	15.6	15.1	15.5	15.6	16.3
		INDOOR COIL DB TEMP RISE (°F)	18	21	25	29	32	39

YZH06011(C) (HIGH STAGE) W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1620	LIQUID PRESSURE (PSIG)	276	288	311	330	346	377
		LIQUID TEMPERATURE (°F)	62	63	66	70	74	81
		LIQUID SUBCOOLING (°F)	29	30	33	33	32	31
		SUCTION PRESSURE (PSIG)	43	50	66	81	93	119
		SUCTION TEMPERATURE (°F)	17	22	31	38	43	53
		SUCTION SUPERHEAT (°F)	21	21	19	17	15	13
		OUTDOOR UNIT CURRENT (A)	14.4	15.0	16.0	16.9	17.6	18.9
		COMPRESSOR CURRENT (A)	12.5	13.1	14.2	15.1	15.8	17.2
		INDOOR COIL DB TEMP RISE (°F)	19	21	26	31	34	42
	1720	LIQUID PRESSURE (PSIG)	272	283	306	323	339	369
		LIQUID TEMPERATURE (°F)	62	62	65	69	72	79
		LIQUID SUBCOOLING (°F)	28	30	33	32	33	32
		SUCTION PRESSURE (PSIG)	43	49	66	81	93	118
		SUCTION TEMPERATURE (°F)	17	22	31	38	43	53
		SUCTION SUPERHEAT (°F)	21	22	19	17	15	13
		OUTDOOR UNIT CURRENT (A)	14.3	14.8	15.8	16.6	17.3	18.6
		COMPRESSOR CURRENT (A)	12.3	12.9	14.0	14.8	15.5	16.9
		INDOOR COIL DB TEMP RISE (°F)	18	20	25	29	33	40
	1820	LIQUID PRESSURE (PSIG)	268	279	301	316	332	362
		LIQUID TEMPERATURE (°F)	61	61	64	68	71	77
		LIQUID SUBCOOLING (°F)	28	30	32	32	32	32
		SUCTION PRESSURE (PSIG)	43	49	66	81	93	118
		SUCTION TEMPERATURE (°F)	17	22	31	38	43	53
		SUCTION SUPERHEAT (°F)	21	22	19	17	15	13
		OUTDOOR UNIT CURRENT (A)	14.1	14.6	15.7	16.3	17.0	18.3
		COMPRESSOR CURRENT (A)	12.2	12.7	13.8	14.5	15.2	16.6
		INDOOR COIL DB TEMP RISE (°F)	17	19	24	27	31	37
70	1620	LIQUID PRESSURE (PSIG)	311	325	349	369	385	417
		LIQUID TEMPERATURE (°F)	71	71	75	79	82	89
		LIQUID SUBCOOLING (°F)	28	31	32	32	32	31
		SUCTION PRESSURE (PSIG)	43	50	67	82	95	120
		SUCTION TEMPERATURE (°F)	18	22	28	39	44	54
		SUCTION SUPERHEAT (°F)	22	21	15	17	15	13
		OUTDOOR UNIT CURRENT (A)	15.8	16.4	17.5	18.4	19.2	20.5
		COMPRESSOR CURRENT (A)	14.0	14.6	15.8	16.7	17.5	19.0
		INDOOR COIL DB TEMP RISE (°F)	19	21	26	30	34	41
	1720	LIQUID PRESSURE (PSIG)	307	320	343	362	378	409
		LIQUID TEMPERATURE (°F)	70	71	74	78	81	87
		LIQUID SUBCOOLING (°F)	28	30	32	31	32	32
		SUCTION PRESSURE (PSIG)	43	50	67	82	95	120
		SUCTION TEMPERATURE (°F)	18	22	28	38	44	54
		SUCTION SUPERHEAT (°F)	22	21	15	16	15	13
		OUTDOOR UNIT CURRENT (A)	15.7	16.3	17.3	18.2	18.9	20.2
		COMPRESSOR CURRENT (A)	13.8	14.5	15.6	16.5	17.2	18.6
		INDOOR COIL DB TEMP RISE (°F)	18	20	25	29	32	39
	1820	LIQUID PRESSURE (PSIG)	303	316	338	356	372	401
		LIQUID TEMPERATURE (°F)	70	70	73	77	79	86
		LIQUID SUBCOOLING (°F)	27	30	32	31	32	31
		SUCTION PRESSURE (PSIG)	43	50	67	82	94	120
		SUCTION TEMPERATURE (°F)	18	22	28	38	44	53
		SUCTION SUPERHEAT (°F)	22	21	15	16	16	12
		OUTDOOR UNIT CURRENT (A)	15.5	16.1	17.1	17.9	18.6	19.9
		COMPRESSOR CURRENT (A)	13.6	14.3	15.4	16.2	16.9	18.3
		INDOOR COIL DB TEMP RISE (°F)	17	19	23	27	30	37

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YZH06011(C) (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1620	LIQUID PRESSURE (PSIG)	347	362	386	408	425	457
		LIQUID TEMPERATURE (°F)	80	80	84	87	90	97
		LIQUID SUBCOOLING (°F)	26	29	30	31	31	30
		SUCTION PRESSURE (PSIG)	44	51	68	83	96	122
		SUCTION TEMPERATURE (°F)	18	23	25	39	45	54
		SUCTION SUPERHEAT (°F)	22	21	11	16	16	12
		OUTDOOR UNIT CURRENT (A)	17.2	17.9	19.0	20.0	20.8	22.2
		COMPRESSOR CURRENT (A)	15.4	16.2	17.4	18.4	19.2	20.7
		INDOOR COIL DB TEMP RISE (°F)	19	21	26	30	33	40
	1720	LIQUID PRESSURE (PSIG)	343	358	381	402	418	449
		LIQUID TEMPERATURE (°F)	79	79	83	86	89	95
		LIQUID SUBCOOLING (°F)	27	30	30	31	31	31
		SUCTION PRESSURE (PSIG)	44	51	68	83	96	121
		SUCTION TEMPERATURE (°F)	18	23	25	39	44	54
		SUCTION SUPERHEAT (°F)	22	21	11	16	15	13
		OUTDOOR UNIT CURRENT (A)	17.1	17.7	18.8	19.8	20.5	21.9
		COMPRESSOR CURRENT (A)	15.3	16.0	17.1	18.1	18.9	20.4
		INDOOR COIL DB TEMP RISE (°F)	18	20	24	28	32	38
	1820	LIQUID PRESSURE (PSIG)	339	353	375	395	411	441
		LIQUID TEMPERATURE (°F)	78	79	82	85	88	94
		LIQUID SUBCOOLING (°F)	27	29	30	31	31	30
		SUCTION PRESSURE (PSIG)	44	51	68	83	96	121
		SUCTION TEMPERATURE (°F)	18	23	25	39	44	54
		SUCTION SUPERHEAT (°F)	22	21	11	16	15	13
		OUTDOOR UNIT CURRENT (A)	16.9	17.6	18.6	19.5	20.2	21.5
		COMPRESSOR CURRENT (A)	15.1	15.8	16.9	17.9	18.6	20.0
		INDOOR COIL DB TEMP RISE (°F)	17	19	23	27	30	36

FOR USE WITH MODELS:

YZF02413C
HC6B024F3C
HL6B024F3C

YZF02413C 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			
65	216(6)	217(6)	220(7)	223(7)
70	238(7)	239(7)	242(8)	245(8)
75	260(8)	261(8)	264(9)	267(9)
80	281(8)	283(8)	286(9)	290(10)
85	303(8)	304(9)	308(9)	312(10)
90	325(8)	326(8)	330(9)	334(9)
95	347(7)	348(8)	352(8)	357(9)
100	372(7)	373(7)	377(7)	381(8)
105	398(6)	398(6)	402(7)	406(7)
110	423(6)	423(5)	427(6)	431(6)
115	448(5)	449(5)	452(5)	456(5)
120	474(4)	474(3)	477(4)	481(4)
125	499(3)	499(2)	502(3)	506(2)

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.

YZF02413C CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YZF02413(C)	35	107	21.5	0.93	20.1	1.02	18.6	1.11	17.1	1.20	15.7	1.29	14.2	1.38	12.8	1.47
	40	119	24.1	1.06	22.5	1.17	21.0	1.27	19.4	1.37	17.9	1.48	16.3	1.58	14.8	1.69
	45	130	26.6	1.20	24.9	1.31	23.3	1.43	21.7	1.55	20.1	1.67	18.4	1.79	16.8	1.90
	50	143	29.1	1.33	27.4	1.46	25.7	1.59	24.0	1.73	22.2	1.86	20.5	1.99	18.8	2.12
	55	156	31.6	1.46	29.8	1.61	28.0	1.75	26.2	1.90	24.4	2.05	22.6	2.20	20.8	2.34

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YZF02413C W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	635	LIQUID PRESSURE (PSIG)	216	259	303	346	396	446	495
		LIQUID TEMPERATURE (°F)	69	80	90	100	111	122	133
		LIQUID SUBCOOLING (°F)	5	7	7	6	5	3	0
		SUCTION PRESSURE (PSIG)	121	124	126	129	133	136	140
		SUCTION TEMPERATURE (°F)	60	61	62	63	64	66	67
		SUCTION SUPERHEAT (°F)	18	18	18	18	18	18	18
		OUTDOOR UNIT CURRENT (A)	4.9	5.7	6.5	7.2	8.1	9.0	10.0
		COMPRESSOR CURRENT (A)	4.2	5.0	5.8	6.5	7.4	8.3	9.3
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	22	21	20
	835	LIQUID PRESSURE (PSIG)	217	261	304	348	398	447	497
		LIQUID TEMPERATURE (°F)	69	80	90	101	112	122	133
		LIQUID SUBCOOLING (°F)	5	7	7	6	5	3	0
		SUCTION PRESSURE (PSIG)	128	130	133	135	139	142	145
		SUCTION TEMPERATURE (°F)	62	63	65	66	67	68	69
		SUCTION SUPERHEAT (°F)	18	18	18	18	18	18	19
		OUTDOOR UNIT CURRENT (A)	5.0	5.7	6.5	7.2	8.2	9.1	10.0
		COMPRESSOR CURRENT (A)	4.3	5.0	5.8	6.5	7.5	8.4	9.3
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	19	18
	1035	LIQUID PRESSURE (PSIG)	219	263	306	350	399	449	499
		LIQUID TEMPERATURE (°F)	70	80	91	101	112	123	134
		LIQUID SUBCOOLING (°F)	6	7	7	6	5	3	0
		SUCTION PRESSURE (PSIG)	134	137	139	142	144	147	150
		SUCTION TEMPERATURE (°F)	65	66	67	68	69	70	71
		SUCTION SUPERHEAT (°F)	18	18	19	19	19	19	19
		OUTDOOR UNIT CURRENT (A)	5.0	5.7	6.5	7.3	8.2	9.1	10.0
		COMPRESSOR CURRENT (A)	4.3	5.0	5.8	6.6	7.5	8.4	9.3
		INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	17	16	16
80/62	635	LIQUID PRESSURE (PSIG)	216	259	303	346	396	445	495
		LIQUID TEMPERATURE (°F)	69	80	90	100	111	122	133
		LIQUID SUBCOOLING (°F)	5	7	7	6	5	3	0
		SUCTION PRESSURE (PSIG)	121	124	127	130	133	137	140
		SUCTION TEMPERATURE (°F)	60	61	62	63	65	66	68
		SUCTION SUPERHEAT (°F)	18	18	18	18	18	18	19
		OUTDOOR UNIT CURRENT (A)	4.9	5.7	6.5	7.2	8.1	9.0	10.0
		COMPRESSOR CURRENT (A)	4.2	5.0	5.8	6.5	7.4	8.3	9.3
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	27	26	25	24
	835	LIQUID PRESSURE (PSIG)	217	261	304	348	398	449	499
		LIQUID TEMPERATURE (°F)	70	80	90	101	112	123	133
		LIQUID SUBCOOLING (°F)	5	7	7	6	5	3	0
		SUCTION PRESSURE (PSIG)	128	131	133	136	141	145	150
		SUCTION TEMPERATURE (°F)	62	64	65	66	68	70	71
		SUCTION SUPERHEAT (°F)	18	18	18	18	18	19	19
		OUTDOOR UNIT CURRENT (A)	5.0	5.7	6.5	7.2	8.2	9.1	10.0
		COMPRESSOR CURRENT (A)	4.3	5.0	5.8	6.5	7.5	8.4	9.3
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	22	21
	1035	LIQUID PRESSURE (PSIG)	219	263	306	350	401	452	503
		LIQUID TEMPERATURE (°F)	70	80	91	101	112	123	134
		LIQUID SUBCOOLING (°F)	6	7	7	5	5	3	1
		SUCTION PRESSURE (PSIG)	134	137	140	142	148	154	160
		SUCTION TEMPERATURE (°F)	65	66	67	68	71	73	75
		SUCTION SUPERHEAT (°F)	18	19	18	19	19	19	19
		OUTDOOR UNIT CURRENT (A)	5.0	5.7	6.5	7.3	8.2	9.1	10.1
		COMPRESSOR CURRENT (A)	4.3	5.0	5.8	6.6	7.5	8.4	9.4
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	17

Continued on next page.

YZF02413C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	635	LIQUID PRESSURE (PSIG)	218	262	306	350	400	450	500
		LIQUID TEMPERATURE (°F)	70	80	91	101	112	123	133
		LIQUID SUBCOOLING (°F)	6	7	7	6	5	3	1
		SUCTION PRESSURE (PSIG)	131	135	138	142	145	149	152
		SUCTION TEMPERATURE (°F)	64	65	67	68	70	71	72
		SUCTION SUPERHEAT (°F)	18	19	18	19	19	19	19
		OUTDOOR UNIT CURRENT (A)	4.9	5.7	6.5	7.3	8.2	9.1	10.0
		COMPRESSOR CURRENT (A)	4.2	5.0	5.8	6.6	7.5	8.4	9.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20
	835	LIQUID PRESSURE (PSIG)	220	264	308	352	402	452	502
		LIQUID TEMPERATURE (°F)	70	80	91	101	112	123	134
		LIQUID SUBCOOLING (°F)	6	7	7	6	5	3	1
		SUCTION PRESSURE (PSIG)	139	142	145	148	151	155	158
		SUCTION TEMPERATURE (°F)	67	68	69	71	72	73	74
		SUCTION SUPERHEAT (°F)	18	19	19	19	19	19	19
		OUTDOOR UNIT CURRENT (A)	5.0	5.7	6.5	7.3	8.2	9.1	10.1
		COMPRESSOR CURRENT (A)	4.3	5.0	5.8	6.6	7.5	8.4	9.4
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	18
	1035	LIQUID PRESSURE (PSIG)	222	266	310	354	404	454	504
		LIQUID TEMPERATURE (°F)	70	81	91	101	112	123	134
		LIQUID SUBCOOLING (°F)	6	7	7	6	5	3	1
		SUCTION PRESSURE (PSIG)	146	148	151	154	157	161	164
		SUCTION TEMPERATURE (°F)	70	71	72	73	74	75	77
		SUCTION SUPERHEAT (°F)	19	19	19	19	19	19	19
		OUTDOOR UNIT CURRENT (A)	5.0	5.8	6.5	7.3	8.2	9.2	10.1
		COMPRESSOR CURRENT (A)	4.3	5.1	5.8	6.6	7.5	8.5	9.4
		INDOOR COIL DB TEMP DROP (°F)	18	18	17	17	16	16	16
80/72	635	LIQUID PRESSURE (PSIG)	221	265	310	354	404	454	504
		LIQUID TEMPERATURE (°F)	70	80	91	101	112	123	134
		LIQUID SUBCOOLING (°F)	6	7	7	6	5	3	0
		SUCTION PRESSURE (PSIG)	142	146	149	153	156	160	164
		SUCTION TEMPERATURE (°F)	68	70	71	72	74	75	77
		SUCTION SUPERHEAT (°F)	19	19	19	19	19	19	19
		OUTDOOR UNIT CURRENT (A)	5.0	5.8	6.5	7.3	8.2	9.2	10.1
		COMPRESSOR CURRENT (A)	4.3	5.1	5.8	6.6	7.5	8.5	9.4
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	19	18	17	16
	835	LIQUID PRESSURE (PSIG)	223	267	312	357	406	456	506
		LIQUID TEMPERATURE (°F)	70	81	91	101	112	124	135
		LIQUID SUBCOOLING (°F)	6	8	8	7	6	3	0
		SUCTION PRESSURE (PSIG)	149	152	156	160	163	167	170
		SUCTION TEMPERATURE (°F)	71	72	74	75	76	78	79
		SUCTION SUPERHEAT (°F)	19	19	19	19	19	19	19
		OUTDOOR UNIT CURRENT (A)	5.0	5.8	6.6	7.4	8.3	9.2	10.1
		COMPRESSOR CURRENT (A)	4.3	5.1	5.9	6.7	7.6	8.5	9.4
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	15	15	14
	1035	LIQUID PRESSURE (PSIG)	224	269	314	360	409	458	507
		LIQUID TEMPERATURE (°F)	71	81	91	101	113	124	135
		LIQUID SUBCOOLING (°F)	6	8	8	8	6	3	0
		SUCTION PRESSURE (PSIG)	155	159	163	166	170	173	176
		SUCTION TEMPERATURE (°F)	74	75	76	78	79	80	81
		SUCTION SUPERHEAT (°F)	19	19	19	19	19	19	19
		OUTDOOR UNIT CURRENT (A)	5.0	5.8	6.6	7.4	8.3	9.2	10.2
		COMPRESSOR CURRENT (A)	4.3	5.1	5.9	6.7	7.6	8.5	9.4
		INDOOR COIL DB TEMP DROP (°F)	14	14	14	13	13	12	11

YZF02413C W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	600	LIQUID PRESSURE (PSIG)	291	297	308	354	337	374
		LIQUID TEMPERATURE (°F)	48	53	61	65	69	79
		LIQUID SUBCOOLING (°F)	46	42	37	43	35	33
		SUCTION PRESSURE (PSIG)	50	60	78	86	106	135
		SUCTION TEMPERATURE (°F)	18	22	33	34	46	60
		SUCTION SUPERHEAT (°F)	17	14	13	10	12	13
		OUTDOOR UNIT CURRENT (A)	6.7	6.8	6.7	7.7	7.2	7.7
		COMPRESSOR CURRENT (A)	5.9	6.0	5.9	6.9	6.4	7.0
		INDOOR COIL DB TEMP RISE (°F)	19	22	31	31	35	41
	800	LIQUID PRESSURE (PSIG)	270	276	290	320	312	337
		LIQUID TEMPERATURE (°F)	48	52	59	63	66	75
		LIQUID SUBCOOLING (°F)	41	39	35	38	33	29
		SUCTION PRESSURE (PSIG)	50	59	77	88	104	135
		SUCTION TEMPERATURE (°F)	17	22	32	35	46	59
		SUCTION SUPERHEAT (°F)	16	14	13	10	13	12
		OUTDOOR UNIT CURRENT (A)	6.4	6.5	6.5	7.0	6.8	7.1
		COMPRESSOR CURRENT (A)	5.5	5.6	5.7	6.3	6.0	6.3
		INDOOR COIL DB TEMP RISE (°F)	15	17	25	25	28	34
	1000	LIQUID PRESSURE (PSIG)	249	256	272	287	286	299
		LIQUID TEMPERATURE (°F)	48	52	57	61	63	71
		LIQUID SUBCOOLING (°F)	36	33	33	32	30	25
		SUCTION PRESSURE (PSIG)	49	59	75	89	102	134
		SUCTION TEMPERATURE (°F)	16	22	32	36	45	59
		SUCTION SUPERHEAT (°F)	16	14	14	10	13	12
		OUTDOOR UNIT CURRENT (A)	6.1	6.1	6.3	6.4	6.3	6.4
		COMPRESSOR CURRENT (A)	5.2	5.3	5.5	5.7	5.5	5.6
		INDOOR COIL DB TEMP RISE (°F)	11	13	19	19	22	27
70	600	LIQUID PRESSURE (PSIG)	335	368	357	399	394	424
		LIQUID TEMPERATURE (°F)	55	55	68	72	76	86
		LIQUID SUBCOOLING (°F)	49	56	40	45	40	35
		SUCTION PRESSURE (PSIG)	51	60	79	89	107	135
		SUCTION TEMPERATURE (°F)	19	20	34	37	46	59
		SUCTION SUPERHEAT (°F)	17	12	14	11	11	12
		OUTDOOR UNIT CURRENT (A)	7.5	8.1	7.7	8.5	8.2	8.7
		COMPRESSOR CURRENT (A)	6.7	7.3	6.9	7.7	7.5	7.9
		INDOOR COIL DB TEMP RISE (°F)	17	21	31	31	34	40
	800	LIQUID PRESSURE (PSIG)	314	333	336	361	363	383
		LIQUID TEMPERATURE (°F)	55	57	66	71	73	82
		LIQUID SUBCOOLING (°F)	44	46	38	38	37	32
		SUCTION PRESSURE (PSIG)	51	60	78	91	105	135
		SUCTION TEMPERATURE (°F)	19	21	33	38	46	59
		SUCTION SUPERHEAT (°F)	17	13	13	11	12	12
		OUTDOOR UNIT CURRENT (A)	7.2	7.5	7.4	7.8	4.3	7.9
		COMPRESSOR CURRENT (A)	6.3	6.7	6.6	7.0	6.9	7.1
		INDOOR COIL DB TEMP RISE (°F)	14	17	25	25	27	33
	1000	LIQUID PRESSURE (PSIG)	294	298	315	322	333	343
		LIQUID TEMPERATURE (°F)	55	59	65	69	71	78
		LIQUID SUBCOOLING (°F)	40	37	35	32	32	28
		SUCTION PRESSURE (PSIG)	51	59	76	92	104	134
		SUCTION TEMPERATURE (°F)	18	23	32	39	46	59
		SUCTION SUPERHEAT (°F)	16	15	13	12	13	12
		OUTDOOR UNIT CURRENT (A)	6.8	6.9	7.0	7.0	7.1	7.1
		COMPRESSOR CURRENT (A)	5.9	6.0	6.3	6.3	6.4	6.4
		INDOOR COIL DB TEMP RISE (°F)	11	13	19	19	21	26

Continued on next page.

YZF02413C W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	600	LIQUID PRESSURE (PSIG)	378	439	406	445	450	473
		LIQUID TEMPERATURE (°F)	62	57	74	80	83	92
		LIQUID SUBCOOLING (°F)	51	67	44	45	43	38
		SUCTION PRESSURE (PSIG)	53	60	80	92	108	135
		SUCTION TEMPERATURE (°F)	21	18	35	39	47	59
		SUCTION SUPERHEAT (°F)	18	10	14	12	12	12
		OUTDOOR UNIT CURRENT (A)	8.4	9.5	8.7	9.4	9.3	9.6
		COMPRESSOR CURRENT (A)	7.5	8.6	7.9	8.6	8.5	8.8
		INDOOR COIL DB TEMP RISE (°F)	16	20	30	30	33	39
	800	LIQUID PRESSURE (PSIG)	359	390	382	401	415	430
		LIQUID TEMPERATURE (°F)	63	62	74	79	81	89
		LIQUID SUBCOOLING (°F)	46	53	39	38	39	33
		SUCTION PRESSURE (PSIG)	52	60	79	94	107	134
		SUCTION TEMPERATURE (°F)	21	21	34	40	47	59
		SUCTION SUPERHEAT (°F)	18	13	14	12	12	12
		OUTDOOR UNIT CURRENT (A)	7.9	8.5	8.3	8.5	1.8	8.7
		COMPRESSOR CURRENT (A)	7.1	7.7	7.5	7.8	7.8	8.0
		INDOOR COIL DB TEMP RISE (°F)	13	16	24	24	27	32
	1000	LIQUID PRESSURE (PSIG)	339	341	358	357	379	386
		LIQUID TEMPERATURE (°F)	63	66	73	77	79	86
		LIQUID SUBCOOLING (°F)	42	39	36	31	34	28
		SUCTION PRESSURE (PSIG)	52	60	77	95	106	134
		SUCTION TEMPERATURE (°F)	20	24	33	41	48	58
		SUCTION SUPERHEAT (°F)	17	16	14	12	14	11
		OUTDOOR UNIT CURRENT (A)	7.5	7.6	7.8	7.7	7.9	7.9
		COMPRESSOR CURRENT (A)	6.7	6.7	7.0	6.9	7.2	7.1
		INDOOR COIL DB TEMP RISE (°F)	10	12	18	18	20	25

FOR USE WITH MODELS:

YZF03013C
HC6B030F3C
HL6B030F3C

YZF03013C 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			
65	214(9)	216(9)	219(10)	220(10)
70	235(10)	236(10)	239(11)	241(11)
75	256(11)	257(11)	260(12)	263(12)
80	276(11)	277(11)	280(12)	284(12)
85	297(11)	297(11)	300(12)	305(12)
90	318(11)	318(11)	321(11)	326(12)
95	338(11)	338(10)	341(10)	347(12)
100	362(10)	362(10)	365(10)	371(11)
105	386(9)	386(9)	389(9)	395(10)
110	410(8)	410(8)	413(8)	419(8)
115	434(7)	434(7)	437(7)	442(7)
120	458(5)	459(5)	461(5)	466(5)
125	482(4)	483(4)	485(4)	490(4)

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.

YZF03013C CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YZF03013C	35	107	24.7	1.14	23.6	1.25	22.5	1.36	21.4	1.47	20.3	1.59	19.2	1.70	18.1	1.81
	40	119	28.2	1.29	26.7	1.41	25.3	1.53	23.9	1.66	22.5	1.78	21.1	1.90	19.7	2.02
	45	130	31.6	1.44	29.9	1.57	28.2	1.71	26.5	1.84	24.7	1.97	23.0	2.10	21.3	2.23
	50	143	35.1	1.59	33.1	1.73	31.0	1.88	29.0	2.02	27.0	2.16	24.9	2.30	22.9	2.44
	55	156	38.6	1.74	36.2	1.90	33.9	2.05	31.5	2.20	29.2	2.35	26.8	2.50	24.5	2.66

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YZF03013C W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	805	LIQUID PRESSURE (PSIG)	215	255	296	336	384	432	480
		LIQUID TEMPERATURE (°F)	65	76	86	96	107	118	129
		LIQUID SUBCOOLING (°F)	9	10	9	8	7	5	2
		SUCTION PRESSURE (PSIG)	123	126	129	132	135	138	141
		SUCTION TEMPERATURE (°F)	52	53	54	56	57	58	59
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.5	9.5	10.6	11.6
		COMPRESSOR CURRENT (A)	5.1	5.9	6.7	7.5	8.5	9.6	10.6
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19
	1005	LIQUID PRESSURE (PSIG)	217	257	297	337	385	433	481
		LIQUID TEMPERATURE (°F)	66	76	86	96	107	118	129
		LIQUID SUBCOOLING (°F)	9	10	9	8	7	5	2
		SUCTION PRESSURE (PSIG)	129	132	134	137	140	143	145
		SUCTION TEMPERATURE (°F)	54	55	56	58	59	60	61
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.5	9.5	10.6	11.6
		COMPRESSOR CURRENT (A)	5.1	5.9	6.7	7.5	8.5	9.6	10.6
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	17
	1205	LIQUID PRESSURE (PSIG)	218	258	298	338	387	435	483
		LIQUID TEMPERATURE (°F)	66	76	86	97	107	118	129
		LIQUID SUBCOOLING (°F)	9	10	9	8	7	5	2
		SUCTION PRESSURE (PSIG)	135	137	139	142	144	147	150
		SUCTION TEMPERATURE (°F)	57	58	59	59	61	62	63
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.5	9.5	10.6	11.6
		COMPRESSOR CURRENT (A)	5.1	5.9	6.7	7.5	8.5	9.6	10.6
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	17	16	16
80/62	805	LIQUID PRESSURE (PSIG)	215	255	296	336	384	432	480
		LIQUID TEMPERATURE (°F)	65	76	86	96	107	118	129
		LIQUID SUBCOOLING (°F)	9	10	9	8	7	5	2
		SUCTION PRESSURE (PSIG)	124	126	129	132	135	138	141
		SUCTION TEMPERATURE (°F)	52	53	54	55	57	58	59
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.5	9.5	10.6	11.6
		COMPRESSOR CURRENT (A)	5.1	5.9	6.7	7.5	8.5	9.6	10.6
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	26	25	24	23
	1005	LIQUID PRESSURE (PSIG)	216	257	297	338	386	434	483
		LIQUID TEMPERATURE (°F)	66	76	86	96	107	118	129
		LIQUID SUBCOOLING (°F)	9	10	9	8	7	5	2
		SUCTION PRESSURE (PSIG)	129	132	134	137	141	146	150
		SUCTION TEMPERATURE (°F)	54	55	56	58	59	61	63
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.5	9.5	10.6	11.6
		COMPRESSOR CURRENT (A)	5.1	5.9	6.7	7.5	8.5	9.6	10.6
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	21	20
	1205	LIQUID PRESSURE (PSIG)	217	258	299	340	388	437	486
		LIQUID TEMPERATURE (°F)	66	76	86	96	107	119	130
		LIQUID SUBCOOLING (°F)	9	10	10	9	7	5	2
		SUCTION PRESSURE (PSIG)	135	137	139	142	148	154	159
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	64	66
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.5	9.6	10.6	11.6
		COMPRESSOR CURRENT (A)	5.1	5.9	6.7	7.5	8.6	9.6	10.6
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	17

Continued on next page.

YZF03013C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	805	LIQUID PRESSURE (PSIG)	218	258	299	340	388	436	484
		LIQUID TEMPERATURE (°F)	66	76	86	96	107	118	129
		LIQUID SUBCOOLING (°F)	9	10	10	9	7	5	2
		SUCTION PRESSURE (PSIG)	135	138	141	144	147	151	154
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	63	64
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.5	9.5	10.6	11.6
		COMPRESSOR CURRENT (A)	5.1	5.9	6.7	7.5	8.5	9.6	10.6
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19
	1005	LIQUID PRESSURE (PSIG)	219	260	300	341	389	437	485
		LIQUID TEMPERATURE (°F)	66	76	87	97	108	119	130
		LIQUID SUBCOOLING (°F)	9	10	10	8	7	5	2
		SUCTION PRESSURE (PSIG)	141	144	147	149	152	156	159
		SUCTION TEMPERATURE (°F)	59	60	61	62	64	65	66
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.5	9.5	10.6	11.6
		COMPRESSOR CURRENT (A)	5.1	5.9	6.7	7.5	8.5	9.6	10.6
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	17
	1205	LIQUID PRESSURE (PSIG)	220	261	302	342	391	439	487
		LIQUID TEMPERATURE (°F)	66	77	87	97	108	119	130
		LIQUID SUBCOOLING (°F)	9	10	10	8	7	5	2
		SUCTION PRESSURE (PSIG)	147	150	152	155	157	160	163
		SUCTION TEMPERATURE (°F)	62	63	64	64	65	67	68
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.5	9.5	10.6	11.6
		COMPRESSOR CURRENT (A)	5.1	5.9	6.7	7.5	8.5	9.6	10.6
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	17	16	16
80/72	805	LIQUID PRESSURE (PSIG)	219	261	304	346	393	441	488
		LIQUID TEMPERATURE (°F)	67	77	86	96	108	119	130
		LIQUID SUBCOOLING (°F)	9	10	11	10	8	5	2
		SUCTION PRESSURE (PSIG)	148	151	154	157	161	164	168
		SUCTION TEMPERATURE (°F)	62	63	64	65	67	68	69
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.5	9.6	10.6	11.6
		COMPRESSOR CURRENT (A)	5.1	5.9	6.7	7.5	8.6	9.6	10.6
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	18	17	16	15
	1005	LIQUID PRESSURE (PSIG)	220	263	305	347	395	442	490
		LIQUID TEMPERATURE (°F)	67	77	87	97	108	119	130
		LIQUID SUBCOOLING (°F)	9	10	10	10	8	5	2
		SUCTION PRESSURE (PSIG)	154	157	160	162	166	169	173
		SUCTION TEMPERATURE (°F)	64	65	66	67	69	70	71
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.5	9.6	10.6	11.6
		COMPRESSOR CURRENT (A)	5.1	5.9	6.7	7.5	8.6	9.6	10.6
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	14	13
	1205	LIQUID PRESSURE (PSIG)	221	264	306	348	396	444	492
		LIQUID TEMPERATURE (°F)	67	77	87	97	108	120	131
		LIQUID SUBCOOLING (°F)	9	10	10	10	8	5	2
		SUCTION PRESSURE (PSIG)	160	163	165	168	171	174	177
		SUCTION TEMPERATURE (°F)	67	67	68	69	70	71	72
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.0	6.9	7.7	8.5	9.6	10.6	11.6
		COMPRESSOR CURRENT (A)	5.0	5.9	6.7	7.5	8.6	9.6	10.6
		INDOOR COIL DB TEMP DROP (°F)	15	14	14	13	13	12	12

YZF03013C W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	800	LIQUID PRESSURE (PSIG)	265	284	306	325	339	370
		LIQUID TEMPERATURE (°F)	35	41	48	54	59	66
		LIQUID SUBCOOLING (°F)	53	51	50	48	46	45
		SUCTION PRESSURE (PSIG)	52	61	78	92	105	128
		SUCTION TEMPERATURE (°F)	8	15	27	35	42	54
		SUCTION SUPERHEAT (°F)	5	6	7	8	8	10
		OUTDOOR UNIT CURRENT (A)	7.4	7.8	8.2	8.5	8.7	9.1
		COMPRESSOR CURRENT (A)	6.2	6.6	7.0	7.4	7.6	8.0
		INDOOR COIL DB TEMP RISE (°F)	17	20	29	29	33	38
	1000	LIQUID PRESSURE (PSIG)	248	268	287	304	315	339
		LIQUID TEMPERATURE (°F)	33	40	48	53	57	64
		LIQUID SUBCOOLING (°F)	50	49	45	44	43	41
		SUCTION PRESSURE (PSIG)	47	61	77	92	104	126
		SUCTION TEMPERATURE (°F)	3	15	26	36	42	54
		SUCTION SUPERHEAT (°F)	4	6	7	9	9	11
		OUTDOOR UNIT CURRENT (A)	7.2	7.4	7.7	8.0	8.2	8.5
		COMPRESSOR CURRENT (A)	5.9	6.3	6.6	6.9	7.1	7.4
		INDOOR COIL DB TEMP RISE (°F)	13	17	24	24	27	32
	1200	LIQUID PRESSURE (PSIG)	232	252	267	283	292	308
		LIQUID TEMPERATURE (°F)	31	40	47	52	56	61
		LIQUID SUBCOOLING (°F)	48	44	41	40	38	37
		SUCTION PRESSURE (PSIG)	42	60	76	91	103	125
		SUCTION TEMPERATURE (°F)	-3	15	26	36	42	54
		SUCTION SUPERHEAT (°F)	2	7	7	9	9	11
		OUTDOOR UNIT CURRENT (A)	7.0	7.1	7.3	7.6	7.6	7.9
		COMPRESSOR CURRENT (A)	5.6	6.0	6.2	6.5	6.5	6.8
		INDOOR COIL DB TEMP RISE (°F)	10	13	19	19	22	26
70	800	LIQUID PRESSURE (PSIG)	308	325	352	372	386	417
		LIQUID TEMPERATURE (°F)	42	47	55	61	65	73
		LIQUID SUBCOOLING (°F)	56	55	52	50	49	47
		SUCTION PRESSURE (PSIG)	53	63	80	95	107	129
		SUCTION TEMPERATURE (°F)	10	16	27	36	42	54
		SUCTION SUPERHEAT (°F)	7	6	6	7	7	9
		OUTDOOR UNIT CURRENT (A)	8.3	8.6	9.2	9.5	9.7	10.0
		COMPRESSOR CURRENT (A)	7.1	7.5	8.0	8.4	8.6	9.1
		INDOOR COIL DB TEMP RISE (°F)	17	20	28	28	32	37
	1000	LIQUID PRESSURE (PSIG)	291	309	331	349	361	386
		LIQUID TEMPERATURE (°F)	41	47	55	60	64	71
		LIQUID SUBCOOLING (°F)	53	51	48	47	45	43
		SUCTION PRESSURE (PSIG)	51	62	79	94	106	128
		SUCTION TEMPERATURE (°F)	7	16	27	36	42	54
		SUCTION SUPERHEAT (°F)	5	6	7	8	8	10
		OUTDOOR UNIT CURRENT (A)	8.0	8.3	8.7	9.0	5.1	9.5
		COMPRESSOR CURRENT (A)	6.8	7.1	7.6	7.9	8.0	8.4
		INDOOR COIL DB TEMP RISE (°F)	14	17	24	24	27	31
	1200	LIQUID PRESSURE (PSIG)	275	292	310	326	336	354
		LIQUID TEMPERATURE (°F)	40	47	54	59	62	68
		LIQUID SUBCOOLING (°F)	50	47	44	43	42	40
		SUCTION PRESSURE (PSIG)	48	62	78	93	105	126
		SUCTION TEMPERATURE (°F)	4	16	26	36	42	54
		SUCTION SUPERHEAT (°F)	4	6	6	8	8	11
		OUTDOOR UNIT CURRENT (A)	7.7	7.9	8.2	8.5	8.5	8.8
		COMPRESSOR CURRENT (A)	6.4	6.8	7.1	7.4	7.4	7.8
		INDOOR COIL DB TEMP RISE (°F)	10	13	19	19	21	25

Continued on next page.

YZF03013C W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	800	LIQUID PRESSURE (PSIG)	351	367	398	419	434	465
		LIQUID TEMPERATURE (°F)	49	54	62	68	72	80
		LIQUID SUBCOOLING (°F)	58	56	54	52	51	48
		SUCTION PRESSURE (PSIG)	55	64	81	97	108	131
		SUCTION TEMPERATURE (°F)	11	16	28	36	42	54
		SUCTION SUPERHEAT (°F)	6	5	7	6	7	9
		OUTDOOR UNIT CURRENT (A)	9.3	9.5	10.0	10.0	10.0	11.0
		COMPRESSOR CURRENT (A)	8.1	8.4	9.0	9.4	9.6	0.1
		INDOOR COIL DB TEMP RISE (°F)	17	19	28	28	31	36
	1000	LIQUID PRESSURE (PSIG)	334	349	376	394	407	432
		LIQUID TEMPERATURE (°F)	49	54	61	67	71	78
		LIQUID SUBCOOLING (°F)	55	53	51	49	47	45
		SUCTION PRESSURE (PSIG)	55	63	81	96	107	130
		SUCTION TEMPERATURE (°F)	11	16	27	36	42	54
		SUCTION SUPERHEAT (°F)	6	6	6	7	7	9
		OUTDOOR UNIT CURRENT (A)	8.9	9.1	9.6	9.9	2.1	10.0
		COMPRESSOR CURRENT (A)	7.7	8.0	8.5	8.8	9.0	9.4
		INDOOR COIL DB TEMP RISE (°F)	14	16	23	23	26	30
	1200	LIQUID PRESSURE (PSIG)	318	332	354	369	379	400
		LIQUID TEMPERATURE (°F)	49	54	61	66	69	75
		LIQUID SUBCOOLING (°F)	51	49	47	45	44	42
		SUCTION PRESSURE (PSIG)	54	63	80	95	106	128
		SUCTION TEMPERATURE (°F)	10	16	27	36	42	54
		SUCTION SUPERHEAT (°F)	6	6	6	7	8	10
		OUTDOOR UNIT CURRENT (A)	8.5	8.7	9.1	9.4	9.4	9.8
		COMPRESSOR CURRENT (A)	7.3	7.6	8.0	8.3	8.3	8.7
		INDOOR COIL DB TEMP RISE (°F)	11	13	19	19	21	25

FOR USE WITH MODELS:

YZF03613C
HC6B036F3C
HL6B036F3C

YZF03613C 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			
65	225(8)	227(8)	231(9)	232(8)
70	247(10)	248(10)	252(10)	254(9)
75	268(11)	269(11)	273(11)	277(11)
80	290(12)	291(12)	294(11)	299(12)
85	311(12)	312(12)	315(12)	322(13)
90	333(12)	333(12)	336(12)	344(13)
95	354(12)	354(12)	358(11)	367(13)
100	376(11)	376(11)	378(10)	386(12)
105	398(10)	397(9)	399(9)	406(10)
110	420(9)	419(8)	420(8)	426(8)
115	442(7)	440(6)	441(6)	446(7)
120	464(6)	461(4)	462(5)	466(5)
125	486(4)	483(3)	483(3)	486(3)

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.

YZF03613C CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YZF03613C	35	107	33.0	1.53	30.8	1.67	28.5	1.81	26.3	1.95	24.1	2.09	21.9	2.23	19.7	2.37
	40	119	36.9	1.73	34.5	1.89	32.1	2.05	29.8	2.21	27.4	2.37	25.0	2.53	22.6	2.68
	45	130	40.8	1.93	38.3	2.11	35.8	2.28	33.2	2.46	30.7	2.64	28.1	2.82	25.6	3.00
	50	143	44.8	2.12	42.1	2.32	39.4	2.52	36.6	2.72	33.9	2.92	31.2	3.11	28.5	3.31
	55	156	48.7	2.32	45.8	2.54	43.0	2.76	40.1	2.97	37.2	3.19	34.3	3.41	31.5	3.63

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YZF03613C W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	226	268	311	353	400	447	495
		LIQUID TEMPERATURE (°F)	69	79	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	8	10	10	10	9	7	5
		SUCTION PRESSURE (PSIG)	122	125	127	130	133	136	139
		SUCTION TEMPERATURE (°F)	50	51	52	53	54	55	56
		SUCTION SUPERHEAT (°F)	8	8	8	8	8	8	7
		OUTDOOR UNIT CURRENT (A)	7.3	8.4	9.5	10.6	12.0	13.3	14.7
		COMPRESSOR CURRENT (A)	6.4	7.5	8.6	9.7	11.1	12.4	13.8
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19
	1200	LIQUID PRESSURE (PSIG)	227	270	312	355	401	446	492
		LIQUID TEMPERATURE (°F)	70	79	88	98	108	118	129
		LIQUID SUBCOOLING (°F)	8	10	11	10	9	7	4
		SUCTION PRESSURE (PSIG)	126	129	131	134	137	139	142
		SUCTION TEMPERATURE (°F)	51	52	53	54	55	56	57
		SUCTION SUPERHEAT (°F)	8	8	8	8	7	7	7
		OUTDOOR UNIT CURRENT (A)	7.4	8.5	9.6	10.7	12.0	13.3	14.6
		COMPRESSOR CURRENT (A)	6.4	7.6	8.7	9.8	11.1	12.4	13.7
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	19	18
	1400	LIQUID PRESSURE (PSIG)	228	271	314	357	401	446	490
		LIQUID TEMPERATURE (°F)	70	79	89	98	108	119	129
		LIQUID SUBCOOLING (°F)	8	10	11	11	9	6	3
		SUCTION PRESSURE (PSIG)	131	133	136	138	140	143	145
		SUCTION TEMPERATURE (°F)	53	54	55	56	56	57	58
		SUCTION SUPERHEAT (°F)	8	8	8	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	7.4	8.5	9.6	10.7	12.0	13.2	14.5
		COMPRESSOR CURRENT (A)	6.4	7.6	8.7	9.8	11.1	12.3	13.6
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	18	17	16
80/62	1000	LIQUID PRESSURE (PSIG)	225	268	311	353	397	440	484
		LIQUID TEMPERATURE (°F)	70	79	88	97	108	119	130
		LIQUID SUBCOOLING (°F)	7	9	10	10	8	5	1
		SUCTION PRESSURE (PSIG)	122	125	128	130	133	136	140
		SUCTION TEMPERATURE (°F)	50	51	52	53	54	55	56
		SUCTION SUPERHEAT (°F)	8	8	8	8	8	8	7
		OUTDOOR UNIT CURRENT (A)	7.3	8.4	9.5	10.6	11.9	13.1	14.4
		COMPRESSOR CURRENT (A)	6.4	7.5	8.6	9.7	11.0	12.2	13.5
		INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	25	24	24
	1200	LIQUID PRESSURE (PSIG)	227	269	312	354	397	440	483
		LIQUID TEMPERATURE (°F)	70	80	89	98	109	119	130
		LIQUID SUBCOOLING (°F)	7	9	10	10	8	5	1
		SUCTION PRESSURE (PSIG)	127	129	132	134	139	143	148
		SUCTION TEMPERATURE (°F)	52	53	53	54	56	57	59
		SUCTION SUPERHEAT (°F)	8	8	8	8	7	7	7
		OUTDOOR UNIT CURRENT (A)	7.3	8.5	9.6	10.7	11.9	13.1	14.3
		COMPRESSOR CURRENT (A)	6.4	7.5	8.7	9.8	11.0	12.2	13.4
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	23	22	21
	1400	LIQUID PRESSURE (PSIG)	228	270	313	356	398	440	482
		LIQUID TEMPERATURE (°F)	71	80	89	98	109	119	130
		LIQUID SUBCOOLING (°F)	7	9	10	10	8	5	1
		SUCTION PRESSURE (PSIG)	132	134	136	138	144	150	156
		SUCTION TEMPERATURE (°F)	53	54	55	56	58	60	62
		SUCTION SUPERHEAT (°F)	8	8	8	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	7.4	8.5	9.6	10.7	11.9	13.0	14.2
		COMPRESSOR CURRENT (A)	6.4	7.6	8.7	9.8	11.0	12.1	13.3
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	18

Continued on next page.

YZF03613C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1000	LIQUID PRESSURE (PSIG)	227	271	315	359	399	440	480
		LIQUID TEMPERATURE (°F)	71	80	89	98	109	119	129
		LIQUID SUBCOOLING (°F)	7	9	11	11	8	5	1
		SUCTION PRESSURE (PSIG)	133	136	139	142	145	148	151
		SUCTION TEMPERATURE (°F)	54	55	56	57	58	59	60
		SUCTION SUPERHEAT (°F)	8	8	7	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	7.3	8.5	9.6	10.8	11.9	13.0	14.2
		COMPRESSOR CURRENT (A)	6.4	7.6	8.7	9.9	11.0	12.1	13.3
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19
	1200	LIQUID PRESSURE (PSIG)	231	273	315	358	399	441	483
		LIQUID TEMPERATURE (°F)	71	80	90	99	109	119	130
		LIQUID SUBCOOLING (°F)	8	9	10	10	7	5	2
		SUCTION PRESSURE (PSIG)	138	141	143	146	149	152	155
		SUCTION TEMPERATURE (°F)	56	57	57	58	59	60	61
		SUCTION SUPERHEAT (°F)	7	7	7	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	7.4	8.5	9.6	10.7	11.9	13.0	14.2
		COMPRESSOR CURRENT (A)	6.5	7.6	8.7	9.8	11.0	12.2	13.3
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	19	18
	1400	LIQUID PRESSURE (PSIG)	234	274	315	356	399	442	486
		LIQUID TEMPERATURE (°F)	71	81	90	100	110	120	130
		LIQUID SUBCOOLING (°F)	9	10	9	8	7	5	2
		SUCTION PRESSURE (PSIG)	143	145	148	151	153	156	159
		SUCTION TEMPERATURE (°F)	57	58	59	60	61	62	63
		SUCTION SUPERHEAT (°F)	7	7	7	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	7.5	8.5	9.6	10.6	11.9	13.1	14.3
		COMPRESSOR CURRENT (A)	6.6	7.6	8.7	9.7	11.0	12.2	13.4
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	17	16
80/72	1000	LIQUID PRESSURE (PSIG)	231	275	320	365	405	445	485
		LIQUID TEMPERATURE (°F)	72	81	90	98	109	120	130
		LIQUID SUBCOOLING (°F)	6	9	11	11	8	5	1
		SUCTION PRESSURE (PSIG)	146	148	151	154	158	161	165
		SUCTION TEMPERATURE (°F)	58	59	60	61	62	63	65
		SUCTION SUPERHEAT (°F)	7	7	7	7	7	6	6
		OUTDOOR UNIT CURRENT (A)	7.4	8.6	9.7	10.9	12.0	13.1	14.2
		COMPRESSOR CURRENT (A)	6.5	7.6	8.8	10.0	11.1	12.2	13.3
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	18	17	16	15
	1200	LIQUID PRESSURE (PSIG)	232	277	322	367	406	446	486
		LIQUID TEMPERATURE (°F)	72	81	90	99	110	120	131
		LIQUID SUBCOOLING (°F)	7	9	11	11	8	5	1
		SUCTION PRESSURE (PSIG)	151	153	156	158	162	165	169
		SUCTION TEMPERATURE (°F)	60	61	61	62	63	64	66
		SUCTION SUPERHEAT (°F)	7	7	7	6	6	6	6
		OUTDOOR UNIT CURRENT (A)	7.4	8.6	9.7	10.9	12.0	13.1	14.2
		COMPRESSOR CURRENT (A)	6.5	7.7	8.8	10.0	11.1	12.2	13.4
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	14	14
	1400	LIQUID PRESSURE (PSIG)	233	278	323	368	408	447	487
		LIQUID TEMPERATURE (°F)	72	81	91	100	110	120	131
		LIQUID SUBCOOLING (°F)	7	10	11	11	8	5	1
		SUCTION PRESSURE (PSIG)	155	158	160	162	166	169	172
		SUCTION TEMPERATURE (°F)	61	62	63	64	65	66	67
		SUCTION SUPERHEAT (°F)	7	6	6	6	6	6	6
		OUTDOOR UNIT CURRENT (A)	7.5	8.6	9.8	10.9	12.0	13.2	14.3
		COMPRESSOR CURRENT (A)	6.5	7.7	8.9	10.0	11.2	12.3	13.4
		INDOOR COIL DB TEMP DROP (°F)	15	15	14	14	13	13	12

YZF03613C W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1000	LIQUID PRESSURE (PSIG)	308	351	375	407	422	465
		LIQUID TEMPERATURE (°F)	28	32	38	43	47	53
		LIQUID SUBCOOLING (°F)	70	75	74	75	74	75
		SUCTION PRESSURE (PSIG)	52	62	80	94	105	128
		SUCTION TEMPERATURE (°F)	-10	3	17	27	34	47
		SUCTION SUPERHEAT (°F)	-13	-7	-4	-2	0	3
		OUTDOOR UNIT CURRENT (A)	9.8	10.9	11.4	12.1	12.5	13.5
		COMPRESSOR CURRENT (A)	8.7	9.7	10.2	11.0	11.3	12.4
		INDOOR COIL DB TEMP RISE (°F)	18	21	30	30	33	39
	1200	LIQUID PRESSURE (PSIG)	294	329	352	379	390	431
		LIQUID TEMPERATURE (°F)	28	33	39	43	47	52
		LIQUID SUBCOOLING (°F)	67	70	68	70	68	70
		SUCTION PRESSURE (PSIG)	50	62	80	94	105	127
		SUCTION TEMPERATURE (°F)	-9	4	17	27	34	48
		SUCTION SUPERHEAT (°F)	-10	-6	-4	-2	0	4
		OUTDOOR UNIT CURRENT (A)	9.5	10.3	10.8	11.4	11.6	12.5
		COMPRESSOR CURRENT (A)	8.3	9.2	9.6	10.3	10.5	11.4
		INDOOR COIL DB TEMP RISE (°F)	15	18	25	25	28	33
	1400	LIQUID PRESSURE (PSIG)	279	308	329	351	358	397
		LIQUID TEMPERATURE (°F)	28	33	40	43	47	52
		LIQUID SUBCOOLING (°F)	63	65	63	64	62	64
		SUCTION PRESSURE (PSIG)	49	62	79	93	105	126
		SUCTION TEMPERATURE (°F)	-8	5	18	28	34	49
		SUCTION SUPERHEAT (°F)	-9	-5	-2	0	0	6
		OUTDOOR UNIT CURRENT (A)	9.2	9.8	10.2	10.6	10.7	11.6
		COMPRESSOR CURRENT (A)	8.0	8.6	9.0	9.5	9.6	10.5
		INDOOR COIL DB TEMP RISE (°F)	12	15	21	21	23	28
70	1000	LIQUID PRESSURE (PSIG)	354	402	431	462	480	524
		LIQUID TEMPERATURE (°F)	34	37	43	49	53	59
		LIQUID SUBCOOLING (°F)	74	80	79	79	78	79
		SUCTION PRESSURE (PSIG)	53	63	81	96	107	130
		SUCTION TEMPERATURE (°F)	-13	2	16	26	33	46
		SUCTION SUPERHEAT (°F)	-17	-9	-6	-4	-2	1
		OUTDOOR UNIT CURRENT (A)	11.1	12.3	13.0	13.7	14.1	15.3
		COMPRESSOR CURRENT (A)	9.9	11.2	11.8	12.6	13.0	14.2
		INDOOR COIL DB TEMP RISE (°F)	17	20	29	29	33	38
	1200	LIQUID PRESSURE (PSIG)	328	380	407	433	448	489
		LIQUID TEMPERATURE (°F)	35	38	44	49	54	59
		LIQUID SUBCOOLING (°F)	67	75	74	74	71	73
		SUCTION PRESSURE (PSIG)	52	63	81	96	107	129
		SUCTION TEMPERATURE (°F)	-12	2	16	26	33	47
		SUCTION SUPERHEAT (°F)	-15	-9	-6	-4	-2	2
		OUTDOOR UNIT CURRENT (A)	10.4	11.7	12.3	12.9	7.4	14.2
		COMPRESSOR CURRENT (A)	9.2	10.5	11.1	11.7	12.1	13.2
		INDOOR COIL DB TEMP RISE (°F)	15	17	25	25	28	33
	1400	LIQUID PRESSURE (PSIG)	303	357	383	404	416	454
		LIQUID TEMPERATURE (°F)	36	39	45	50	54	58
		LIQUID SUBCOOLING (°F)	61	69	69	68	66	68
		SUCTION PRESSURE (PSIG)	52	63	80	95	106	128
		SUCTION TEMPERATURE (°F)	-11	3	17	27	34	48
		SUCTION SUPERHEAT (°F)	-14	-8	-4	-2	0	4
		OUTDOOR UNIT CURRENT (A)	9.8	11.1	11.6	12.0	12.3	13.2
		COMPRESSOR CURRENT (A)	8.6	9.9	10.5	10.9	11.2	12.1
		INDOOR COIL DB TEMP RISE (°F)	12	14	21	21	23	27

Continued on next page.

YZF03613C W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1000	LIQUID PRESSURE (PSIG)	399	454	487	517	538	584
		LIQUID TEMPERATURE (°F)	41	41	48	55	60	65
		LIQUID SUBCOOLING (°F)	76	85	84	82	80	82
		SUCTION PRESSURE (PSIG)	55	64	83	98	109	132
		SUCTION TEMPERATURE (°F)	-16	1	15	25	32	45
		SUCTION SUPERHEAT (°F)	-21	-10	-8	-6	-4	-1
		OUTDOOR UNIT CURRENT (A)	12.0	13.8	14.6	15.3	15.8	17.2
		COMPRESSOR CURRENT (A)	1.1	12.6	13.4	14.2	14.7	16.1
		INDOOR COIL DB TEMP RISE (°F)	17	20	29	29	32	37
	1200	LIQUID PRESSURE (PSIG)	363	430	463	487	506	547
		LIQUID TEMPERATURE (°F)	42	43	49	55	60	65
		LIQUID SUBCOOLING (°F)	68	79	79	77	75	76
		SUCTION PRESSURE (PSIG)	55	64	82	97	108	131
		SUCTION TEMPERATURE (°F)	-15	1	15	25	33	46
		SUCTION SUPERHEAT (°F)	-20	-10	-7	-5	-2	1
		OUTDOOR UNIT CURRENT (A)	11.4	13.1	13.8	14.3	3.1	16.0
		COMPRESSOR CURRENT (A)	10.2	11.9	12.7	13.2	13.7	14.9
		INDOOR COIL DB TEMP RISE (°F)	14	17	25	25	27	32
	1400	LIQUID PRESSURE (PSIG)	327	406	438	457	474	511
		LIQUID TEMPERATURE (°F)	44	44	50	56	60	65
		LIQUID SUBCOOLING (°F)	58	74	74	71	70	71
		SUCTION PRESSURE (PSIG)	54	64	82	97	108	130
		SUCTION TEMPERATURE (°F)	-14	0	16	25	33	47
		SUCTION SUPERHEAT (°F)	-18	-11	-6	-5	-2	2
		OUTDOOR UNIT CURRENT (A)	10.4	12.3	13.0	13.4	13.9	14.7
		COMPRESSOR CURRENT (A)	9.2	11.2	11.9	12.3	12.8	13.6
		INDOOR COIL DB TEMP RISE (°F)	12	14	20	20	23	27

FOR USE WITH MODELS:

YZF04214C
HC6B042F4C
HL6B042F4C

YZF04214C 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			
65	242(11)	245(12)	253(13)	261(14)
70	265(12)	268(13)	274(13)	280(14)
75	288(12)	290(13)	294(13)	298(13)
80	311(13)	313(13)	314(13)	317(12)
85	334(13)	336(13)	335(12)	336(11)
90	358(12)	358(13)	355(12)	354(10)
95	381(12)	381(12)	376(11)	373(9)
100	401(10)	402(11)	398(10)	398(9)
105	420(9)	422(9)	421(9)	423(8)
110	440(7)	443(8)	444(7)	448(8)
115	460(5)	464(6)	466(6)	473(7)
120	480(3)	485(4)	489(5)	498(6)
125	500(1)	505(3)	512(3)	524(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.

YZF04214C CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YZF04214C	35	107	38.4	1.75	35.9	1.91	33.4	2.07	30.9	2.23	29.7	2.55	28.5	2.87	27.4	3.19
	40	119	40.9	1.97	38.6	2.14	36.3	2.32	34.0	2.49	32.3	2.79	30.6	3.10	28.9	3.40
	45	130	43.6	2.19	41.5	2.38	39.4	2.58	37.2	2.77	35.0	3.05	32.7	3.34	30.5	3.62
	50	143	46.5	2.43	44.6	2.64	42.7	2.85	40.7	3.06	37.9	3.33	35.0	3.60	32.2	3.87
	55	156	49.4	2.68	47.7	2.90	45.9	3.13	44.2	3.35	40.8	3.60	37.4	3.86	33.9	4.11

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YZF04214C W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1190	LIQUID PRESSURE (PSIG)	244	290	336	382	422	463	504
		LIQUID TEMPERATURE (°F)	72	82	91	101	112	122	133
		LIQUID SUBCOOLING (°F)	11	12	13	12	9	6	2
		SUCTION PRESSURE (PSIG)	124	127	129	132	135	138	141
		SUCTION TEMPERATURE (°F)	57	59	60	61	62	64	65
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	16
		OUTDOOR UNIT CURRENT (A)	9.2	10.6	12.0	13.3	14.7	16.0	17.4
		COMPRESSOR CURRENT (A)	8.2	9.6	11.0	12.3	13.7	15.0	16.4
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19
	1390	LIQUID PRESSURE (PSIG)	244	291	337	383	424	465	505
		LIQUID TEMPERATURE (°F)	72	82	92	102	112	122	133
		LIQUID SUBCOOLING (°F)	11	12	13	12	9	6	2
		SUCTION PRESSURE (PSIG)	128	130	133	135	138	141	144
		SUCTION TEMPERATURE (°F)	59	60	61	62	64	65	66
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	16	16
		OUTDOOR UNIT CURRENT (A)	9.3	10.6	12.0	13.4	14.7	16.1	17.4
		COMPRESSOR CURRENT (A)	8.3	9.6	11.0	12.4	13.7	15.1	16.4
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	19	18
	1590	LIQUID PRESSURE (PSIG)	245	292	339	385	426	466	507
		LIQUID TEMPERATURE (°F)	72	82	92	102	112	123	133
		LIQUID SUBCOOLING (°F)	10	12	13	12	9	6	2
		SUCTION PRESSURE (PSIG)	132	134	136	138	141	144	147
		SUCTION TEMPERATURE (°F)	61	62	63	64	65	66	67
		SUCTION SUPERHEAT (°F)	15	15	15	16	16	16	16
		OUTDOOR UNIT CURRENT (A)	9.3	10.7	12.0	13.4	14.8	16.1	17.5
		COMPRESSOR CURRENT (A)	8.3	9.7	11.0	12.4	13.8	15.1	16.5
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	18	17	17
80/62	1190	LIQUID PRESSURE (PSIG)	243	289	336	382	423	463	503
		LIQUID TEMPERATURE (°F)	72	82	91	101	112	122	133
		LIQUID SUBCOOLING (°F)	10	12	13	12	9	6	1
		SUCTION PRESSURE (PSIG)	124	127	129	132	135	138	141
		SUCTION TEMPERATURE (°F)	57	58	60	61	62	64	65
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	16	16
		OUTDOOR UNIT CURRENT (A)	9.2	10.6	12.0	13.4	14.7	16.0	17.4
		COMPRESSOR CURRENT (A)	8.2	9.6	11.0	12.4	13.7	15.0	16.4
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	26	25	24	23
	1390	LIQUID PRESSURE (PSIG)	244	291	337	384	425	466	508
		LIQUID TEMPERATURE (°F)	72	82	92	101	112	123	133
		LIQUID SUBCOOLING (°F)	10	12	13	12	9	6	2
		SUCTION PRESSURE (PSIG)	128	130	133	135	140	144	149
		SUCTION TEMPERATURE (°F)	59	60	61	62	64	66	68
		SUCTION SUPERHEAT (°F)	15	15	15	15	16	16	16
		OUTDOOR UNIT CURRENT (A)	9.2	10.6	12.0	13.4	14.8	16.1	17.5
		COMPRESSOR CURRENT (A)	8.2	9.6	11.0	12.4	13.8	15.1	16.5
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	23	22	21
	1590	LIQUID PRESSURE (PSIG)	245	292	338	385	427	469	512
		LIQUID TEMPERATURE (°F)	72	82	92	102	112	123	133
		LIQUID SUBCOOLING (°F)	10	12	13	12	10	6	2
		SUCTION PRESSURE (PSIG)	131	134	136	139	145	151	156
		SUCTION TEMPERATURE (°F)	61	62	63	64	67	69	72
		SUCTION SUPERHEAT (°F)	15	15	15	16	16	16	16
		OUTDOOR UNIT CURRENT (A)	9.3	10.7	12.0	13.4	14.8	16.2	17.6
		COMPRESSOR CURRENT (A)	8.3	9.7	11.0	12.4	13.8	15.2	16.6
		INDOOR COIL DB TEMP DROP (°F)	25	24	22	21	20	19	18

YZF04214C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1190	LIQUID PRESSURE (PSIG)	250	293	336	379	424	470	515
		LIQUID TEMPERATURE (°F)	73	82	92	101	112	123	133
		LIQUID SUBCOOLING (°F)	11	12	12	12	9	6	3
		SUCTION PRESSURE (PSIG)	136	138	141	144	147	151	154
		SUCTION TEMPERATURE (°F)	63	64	65	66	68	69	71
		SUCTION SUPERHEAT (°F)	15	15	16	16	16	16	16
		OUTDOOR UNIT CURRENT (A)	9.4	10.7	11.9	13.2	14.7	16.2	17.7
		COMPRESSOR CURRENT (A)	8.4	9.7	10.9	12.2	13.7	15.2	16.7
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19
	1390	LIQUID PRESSURE (PSIG)	254	295	335	376	424	471	519
		LIQUID TEMPERATURE (°F)	73	83	92	102	112	123	133
		LIQUID SUBCOOLING (°F)	12	12	12	10	9	6	3
		SUCTION PRESSURE (PSIG)	139	142	145	148	151	154	157
		SUCTION TEMPERATURE (°F)	64	65	67	68	69	71	72
		SUCTION SUPERHEAT (°F)	16	16	16	16	16	16	16
		OUTDOOR UNIT CURRENT (A)	9.5	10.7	11.9	13.1	14.7	16.2	17.8
		COMPRESSOR CURRENT (A)	8.5	9.7	10.9	12.1	13.7	15.2	16.8
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	19	18
	1590	LIQUID PRESSURE (PSIG)	257	296	334	373	423	472	522
		LIQUID TEMPERATURE (°F)	73	83	93	103	113	123	133
		LIQUID SUBCOOLING (°F)	13	12	11	9	8	6	4
		SUCTION PRESSURE (PSIG)	143	146	148	151	154	157	160
		SUCTION TEMPERATURE (°F)	66	67	68	69	71	72	73
		SUCTION SUPERHEAT (°F)	16	16	16	16	16	16	16
		OUTDOOR UNIT CURRENT (A)	9.6	10.7	11.9	13.0	14.6	16.3	17.9
		COMPRESSOR CURRENT (A)	8.6	9.7	10.9	12.0	13.6	15.3	16.9
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	18	17	17
80/72	1190	LIQUID PRESSURE (PSIG)	258	297	337	376	426	476	525
		LIQUID TEMPERATURE (°F)	74	84	93	103	113	124	135
		LIQUID SUBCOOLING (°F)	12	12	11	10	8	6	3
		SUCTION PRESSURE (PSIG)	148	151	154	157	161	165	169
		SUCTION TEMPERATURE (°F)	68	69	71	72	73	75	76
		SUCTION SUPERHEAT (°F)	16	16	16	16	17	17	17
		OUTDOOR UNIT CURRENT (A)	9.6	10.8	11.9	13.1	14.7	16.4	18.0
		COMPRESSOR CURRENT (A)	8.6	9.8	10.9	12.1	13.7	15.4	17.0
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	16	15	15
	1390	LIQUID PRESSURE (PSIG)	260	299	338	378	427	477	527
		LIQUID TEMPERATURE (°F)	74	84	93	103	114	124	134
		LIQUID SUBCOOLING (°F)	12	12	11	9	8	6	4
		SUCTION PRESSURE (PSIG)	153	155	158	161	165	168	172
		SUCTION TEMPERATURE (°F)	70	71	72	73	75	76	78
		SUCTION SUPERHEAT (°F)	16	16	16	17	17	17	17
		OUTDOOR UNIT CURRENT (A)	9.6	10.8	12.0	13.1	14.8	16.4	18.1
		COMPRESSOR CURRENT (A)	8.6	9.8	11.0	12.1	13.8	15.4	17.1
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	14	13
	1590	LIQUID PRESSURE (PSIG)	262	301	340	379	429	479	529
		LIQUID TEMPERATURE (°F)	74	84	94	104	114	124	134
		LIQUID SUBCOOLING (°F)	13	12	11	9	8	7	4
		SUCTION PRESSURE (PSIG)	157	160	162	165	168	171	174
		SUCTION TEMPERATURE (°F)	72	73	74	75	76	77	79
		SUCTION SUPERHEAT (°F)	16	16	17	17	17	17	17
		OUTDOOR UNIT CURRENT (A)	9.7	10.8	12.0	13.1	14.8	16.5	18.1
		COMPRESSOR CURRENT (A)	8.7	9.8	11.0	12.1	13.8	15.5	17.1
		INDOOR COIL DB TEMP DROP (°F)	16	15	15	14	13	13	12

YZF04214C W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1200	LIQUID PRESSURE (PSIG)	245	252	273	287	297	320
		LIQUID TEMPERATURE (°F)	59	59	65	71	75	83
		LIQUID SUBCOOLING (°F)	24	25	25	22	20	18
		SUCTION PRESSURE (PSIG)	51	55	75	92	107	133
		SUCTION TEMPERATURE (°F)	10	14	26	36	43	55
		SUCTION SUPERHEAT (°F)	8	9	8	9	8	9
		OUTDOOR UNIT CURRENT (A)	10.0	10.1	10.5	10.9	11.1	11.6
		COMPRESSOR CURRENT (A)	8.8	8.9	9.4	9.8	10.0	10.6
		INDOOR COIL DB TEMP RISE (°F)	16	18	27	27	31	36
	1400	LIQUID PRESSURE (PSIG)	237	240	261	275	284	303
		LIQUID TEMPERATURE (°F)	57	59	64	69	72	80
		LIQUID SUBCOOLING (°F)	23	22	23	21	20	17
		SUCTION PRESSURE (PSIG)	49	53	74	93	106	133
		SUCTION TEMPERATURE (°F)	11	10	25	36	43	56
		SUCTION SUPERHEAT (°F)	11	7	8	8	9	10
		OUTDOOR UNIT CURRENT (A)	9.7	9.8	10.2	10.5	10.7	11.1
		COMPRESSOR CURRENT (A)	8.6	8.6	9.0	9.4	9.6	10.1
		INDOOR COIL DB TEMP RISE (°F)	14	15	24	24	27	32
	1600	LIQUID PRESSURE (PSIG)	228	227	249	262	271	286
		LIQUID TEMPERATURE (°F)	56	58	63	67	70	77
		LIQUID SUBCOOLING (°F)	22	20	21	20	19	16
		SUCTION PRESSURE (PSIG)	46	52	73	93	105	132
		SUCTION TEMPERATURE (°F)	12	5	23	36	42	56
		SUCTION SUPERHEAT (°F)	14	2	6	8	8	10
		OUTDOOR UNIT CURRENT (A)	9.5	9.5	9.9	10.2	10.3	10.7
		COMPRESSOR CURRENT (A)	8.3	8.2	8.7	9.1	9.3	9.6
		INDOOR COIL DB TEMP RISE (°F)	12	13	21	21	23	28
70	1200	LIQUID PRESSURE (PSIG)	285	275	313	329	340	365
		LIQUID TEMPERATURE (°F)	67	74	74	79	84	91
		LIQUID SUBCOOLING (°F)	26	16	25	24	21	19
		SUCTION PRESSURE (PSIG)	51	53	77	94	107	134
		SUCTION TEMPERATURE (°F)	12	9	26	37	43	56
		SUCTION SUPERHEAT (°F)	10	6	7	9	8	9
		OUTDOOR UNIT CURRENT (A)	11.1	10.9	11.7	12.1	12.3	12.9
		COMPRESSOR CURRENT (A)	9.9	9.6	10.5	11.0	11.2	11.9
		INDOOR COIL DB TEMP RISE (°F)	16	16	27	27	30	35
	1400	LIQUID PRESSURE (PSIG)	274	273	300	316	325	346
		LIQUID TEMPERATURE (°F)	65	71	73	77	81	88
		LIQUID SUBCOOLING (°F)	25	19	23	23	21	18
		SUCTION PRESSURE (PSIG)	48	55	77	94	107	133
		SUCTION TEMPERATURE (°F)	11	11	26	37	43	56
		SUCTION SUPERHEAT (°F)	11	6	7	9	8	10
		OUTDOOR UNIT CURRENT (A)	10.8	10.8	11.3	11.7	11.9	12.4
		COMPRESSOR CURRENT (A)	9.6	9.5	10.2	10.6	10.8	11.3
		INDOOR COIL DB TEMP RISE (°F)	13	15	24	24	26	31
	1600	LIQUID PRESSURE (PSIG)	262	272	288	303	311	328
		LIQUID TEMPERATURE (°F)	63	67	72	76	79	85
		LIQUID SUBCOOLING (°F)	24	23	21	21	20	17
		SUCTION PRESSURE (PSIG)	44	57	76	94	106	133
		SUCTION TEMPERATURE (°F)	11	14	26	37	42	56
		SUCTION SUPERHEAT (°F)	15	8	7	9	8	10
		OUTDOOR UNIT CURRENT (A)	10.5	10.7	11.0	11.3	11.5	11.9
		COMPRESSOR CURRENT (A)	9.3	9.5	9.8	10.2	10.4	10.8
		INDOOR COIL DB TEMP RISE (°F)	10	13	20	20	23	27

Continued on next page.

YZF04214C W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1200	LIQUID PRESSURE (PSIG)	325	298	353	371	383	409
		LIQUID TEMPERATURE (°F)	74	89	84	88	92	98
		LIQUID SUBCOOLING (°F)	28	7	24	23	22	21
		SUCTION PRESSURE (PSIG)	51	51	79	96	108	134
		SUCTION TEMPERATURE (°F)	13	4	26	38	44	56
		SUCTION SUPERHEAT (°F)	11	2	6	9	9	9
		OUTDOOR UNIT CURRENT (A)	12.1	11.8	12.8	13.3	13.5	14.2
		COMPRESSOR CURRENT (A)	11.0	10.4	11.7	12.2	12.5	13.2
		INDOOR COIL DB TEMP RISE (°F)	15	14	26	26	29	34
	1400	LIQUID PRESSURE (PSIG)	311	307	340	358	367	390
		LIQUID TEMPERATURE (°F)	72	82	82	86	90	96
		LIQUID SUBCOOLING (°F)	27	16	23	23	20	19
		SUCTION PRESSURE (PSIG)	46	57	80	95	108	134
		SUCTION TEMPERATURE (°F)	12	13	28	38	43	56
		SUCTION SUPERHEAT (°F)	14	7	7	9	8	9
		OUTDOOR UNIT CURRENT (A)	11.8	11.8	12.4	12.9	13.1	13.6
		COMPRESSOR CURRENT (A)	10.6	10.5	11.3	11.8	12.0	12.6
		INDOOR COIL DB TEMP RISE (°F)	12	14	23	23	26	30
	1600	LIQUID PRESSURE (PSIG)	296	317	327	344	351	370
		LIQUID TEMPERATURE (°F)	70	76	81	84	88	94
		LIQUID SUBCOOLING (°F)	25	24	21	22	19	17
		SUCTION PRESSURE (PSIG)	42	62	80	95	107	134
		SUCTION TEMPERATURE (°F)	10	22	29	37	42	56
		SUCTION SUPERHEAT (°F)	15	12	8	8	7	9
		OUTDOOR UNIT CURRENT (A)	11.5	11.9	12.0	12.5	12.6	13.1
		COMPRESSOR CURRENT (A)	10.2	10.7	10.9	11.4	11.5	12.0
		INDOOR COIL DB TEMP RISE (°F)	9	14	20	20	22	26

FOR USE WITH MODELS:

YZF04813C
HC6B048F3C
HL6B048F3C

YZF04813C 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			
65	222(6)	224(7)	229(8)	236(10)
70	243(7)	245(7)	250(8)	257(10)
75	264(8)	266(8)	271(9)	277(10)
80	285(8)	286(8)	291(8)	298(9)
85	306(8)	307(8)	312(8)	319(9)
90	327(7)	328(7)	333(7)	339(8)
95	348(6)	349(6)	354(6)	360(6)
100	372(5)	373(5)	378(5)	384(5)
105	397(3)	397(3)	402(4)	408(4)
110	421(2)	421(2)	426(2)	433(3)
115	444(1)	444(1)	444(1)	457(1)
120	465(5)	465(5)	465(5)	475(7)
125	485(5)	485(5)	485(5)	500(4)

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.

YZF04813C CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YZF04813C	35	107	44.4	2.14	41.4	2.33	38.5	2.52	35.5	2.71	32.5	2.90	29.5	3.09	26.5	3.28
	40	119	49.8	2.40	46.5	2.61	43.3	2.83	40.1	3.04	36.9	3.26	33.7	3.47	30.4	3.68
	45	130	55.1	2.66	51.7	2.90	48.2	3.14	44.7	3.38	41.3	3.61	37.8	3.85	34.3	4.09
	50	143	60.5	2.92	56.8	3.18	53.1	3.45	49.3	3.71	45.6	3.97	41.9	4.24	38.2	4.50
	55	156	65.8	3.18	61.9	3.47	57.9	3.76	54.0	4.05	50.0	4.33	46.1	4.62	42.1	4.91

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YZF04813C W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1400	LIQUID PRESSURE (PSIG)	223	264	306	348	395	442	489
		LIQUID TEMPERATURE (°F)	71	81	92	102	114	127	139
		LIQUID SUBCOOLING (°F)	5	6	6	4	1	-2	-7
		SUCTION PRESSURE (PSIG)	118	121	124	126	130	134	138
		SUCTION TEMPERATURE (°F)	55	56	57	59	60	62	63
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	9.6	11.0	12.4	13.8	15.4	17.1	18.7
		COMPRESSOR CURRENT (A)	8.4	9.8	11.2	12.6	14.2	15.9	17.5
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	21	20	19
	1600	LIQUID PRESSURE (PSIG)	224	266	307	349	396	443	490
		LIQUID TEMPERATURE (°F)	71	82	92	102	115	127	139
		LIQUID SUBCOOLING (°F)	6	6	6	4	1	-2	-7
		SUCTION PRESSURE (PSIG)	121	124	127	129	133	137	140
		SUCTION TEMPERATURE (°F)	56	57	59	60	61	63	64
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	9.6	11.0	12.4	13.8	15.4	17.1	18.8
		COMPRESSOR CURRENT (A)	8.5	9.8	11.2	12.6	14.2	15.9	17.6
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	18	17
	1800	LIQUID PRESSURE (PSIG)	225	267	308	350	397	445	492
		LIQUID TEMPERATURE (°F)	71	82	92	103	115	127	139
		LIQUID SUBCOOLING (°F)	6	6	6	4	1	-2	-7
		SUCTION PRESSURE (PSIG)	124	127	130	132	136	139	143
		SUCTION TEMPERATURE (°F)	58	59	60	61	62	64	65
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	9.7	11.0	12.4	13.8	15.5	17.1	18.8
		COMPRESSOR CURRENT (A)	8.5	9.8	11.2	12.6	14.3	15.9	17.6
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	16
80/62	1400	LIQUID PRESSURE (PSIG)	223	264	306	347	395	442	489
		LIQUID TEMPERATURE (°F)	71	81	92	102	114	127	139
		LIQUID SUBCOOLING (°F)	5	6	6	4	1	-2	-7
		SUCTION PRESSURE (PSIG)	118	121	124	126	130	134	138
		SUCTION TEMPERATURE (°F)	55	56	57	58	60	62	63
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	9.6	11.0	12.4	13.7	15.4	17.1	18.7
		COMPRESSOR CURRENT (A)	8.4	9.8	11.2	12.5	14.2	15.9	17.5
		INDOOR COIL DB TEMP DROP (°F)	27	27	26	26	25	23	22
	1600	LIQUID PRESSURE (PSIG)	224	266	307	349	397	445	493
		LIQUID TEMPERATURE (°F)	71	82	92	102	115	127	140
		LIQUID SUBCOOLING (°F)	6	6	6	4	1	-2	-7
		SUCTION PRESSURE (PSIG)	121	124	127	129	135	140	145
		SUCTION TEMPERATURE (°F)	56	57	59	60	62	64	66
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	9.6	11.0	12.4	13.8	15.5	17.1	18.8
		COMPRESSOR CURRENT (A)	8.5	9.8	11.2	12.6	14.3	15.9	17.6
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	21	20
	1800	LIQUID PRESSURE (PSIG)	226	267	308	350	399	448	497
		LIQUID TEMPERATURE (°F)	71	82	92	103	115	128	140
		LIQUID SUBCOOLING (°F)	6	6	6	4	1	-2	-7
		SUCTION PRESSURE (PSIG)	125	127	130	132	139	145	152
		SUCTION TEMPERATURE (°F)	58	59	60	61	64	66	69
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	9.7	11.0	12.4	13.8	15.5	17.2	18.9
		COMPRESSOR CURRENT (A)	8.5	9.9	11.2	12.6	14.3	16.0	17.7
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	19	18

Continued on next page.

YZF04813C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1400	LIQUID PRESSURE (PSIG)	227	269	311	353	401	449	497
		LIQUID TEMPERATURE (°F)	71	82	93	103	115	126	138
		LIQUID SUBCOOLING (°F)	6	7	6	4	2	-1	-4
		SUCTION PRESSURE (PSIG)	128	132	135	138	142	146	150
		SUCTION TEMPERATURE (°F)	59	61	62	63	65	66	68
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	9.7	11.1	12.5	13.9	15.6	17.3	19.0
		COMPRESSOR CURRENT (A)	8.5	9.9	11.3	12.7	14.4	16.0	17.7
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	21	20	19
	1600	LIQUID PRESSURE (PSIG)	229	271	312	354	402	450	498
		LIQUID TEMPERATURE (°F)	72	82	93	103	115	127	139
		LIQUID SUBCOOLING (°F)	7	7	6	5	2	-1	-5
		SUCTION PRESSURE (PSIG)	132	135	138	141	145	149	153
		SUCTION TEMPERATURE (°F)	61	62	63	65	66	67	69
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	9.7	11.1	12.5	13.9	15.6	17.3	19.0
		COMPRESSOR CURRENT (A)	8.5	9.9	11.3	12.7	14.4	16.1	17.7
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	18	18
	1800	LIQUID PRESSURE (PSIG)	230	272	314	356	403	451	499
		LIQUID TEMPERATURE (°F)	72	82	93	104	116	128	140
		LIQUID SUBCOOLING (°F)	7	7	6	4	2	-2	-6
		SUCTION PRESSURE (PSIG)	136	138	141	144	148	151	155
		SUCTION TEMPERATURE (°F)	62	63	65	66	67	69	70
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	9.7	11.1	12.5	13.9	15.6	17.3	19.0
		COMPRESSOR CURRENT (A)	8.5	9.9	11.3	12.7	14.4	16.1	17.7
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	16
80/72	1400	LIQUID PRESSURE (PSIG)	234	275	317	358	407	456	504
		LIQUID TEMPERATURE (°F)	71	82	93	104	116	127	139
		LIQUID SUBCOOLING (°F)	9	8	7	5	2	-1	-5
		SUCTION PRESSURE (PSIG)	139	143	147	150	155	160	164
		SUCTION TEMPERATURE (°F)	64	65	67	68	70	72	73
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	9.8	11.2	12.6	14.0	15.7	17.4	19.1
		COMPRESSOR CURRENT (A)	8.6	10.0	11.4	12.8	14.5	16.2	17.9
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	16	15	14
	1600	LIQUID PRESSURE (PSIG)	236	277	319	360	408	457	506
		LIQUID TEMPERATURE (°F)	72	82	93	104	116	127	139
		LIQUID SUBCOOLING (°F)	9	8	7	5	3	0	-4
		SUCTION PRESSURE (PSIG)	143	147	150	154	158	162	166
		SUCTION TEMPERATURE (°F)	65	67	68	69	71	72	74
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	9.9	11.2	12.6	14.0	15.7	17.5	19.2
		COMPRESSOR CURRENT (A)	8.7	10.1	11.4	12.8	14.5	16.2	17.9
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	15	14	13
	1800	LIQUID PRESSURE (PSIG)	239	280	320	361	410	458	507
		LIQUID TEMPERATURE (°F)	72	83	94	105	116	127	138
		LIQUID SUBCOOLING (°F)	9	8	7	4	3	0	-3
		SUCTION PRESSURE (PSIG)	146	150	154	157	161	164	167
		SUCTION TEMPERATURE (°F)	67	68	69	71	72	73	74
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	9.9	11.3	12.7	14.1	15.8	17.5	19.2
		COMPRESSOR CURRENT (A)	8.7	10.1	11.5	12.9	14.6	16.3	18.0
		INDOOR COIL DB TEMP DROP (°F)	16	16	15	15	14	13	12

YZF04813C W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1400	LIQUID PRESSURE (PSIG)	267	300	295	329	351	348
		LIQUID TEMPERATURE (°F)	51	53	58	60	66	77
		LIQUID SUBCOOLING (°F)	37	43	37	43	41	30
		SUCTION PRESSURE (PSIG)	49	59	69	82	100	130
		SUCTION TEMPERATURE (°F)	3	19	20	30	39	54
		SUCTION SUPERHEAT (°F)	3	11	6	8	8	9
		OUTDOOR UNIT CURRENT (A)	13.1	13.8	14.3	14.6	15.7	15.0
		COMPRESSOR CURRENT (A)	11.5	12.4	12.8	13.3	14.3	13.7
		INDOOR COIL DB TEMP RISE (°F)	18	21	24	27	33	38
	1600	LIQUID PRESSURE (PSIG)	261	287	290	313	332	331
		LIQUID TEMPERATURE (°F)	50	53	57	60	64	74
		LIQUID SUBCOOLING (°F)	37	40	37	39	39	29
		SUCTION PRESSURE (PSIG)	49	59	72	86	100	129
		SUCTION TEMPERATURE (°F)	7	19	24	33	40	53
		SUCTION SUPERHEAT (°F)	7	11	8	9	9	8
		OUTDOOR UNIT CURRENT (A)	12.8	13.4	13.8	14.1	15.0	14.4
		COMPRESSOR CURRENT (A)	11.2	11.9	12.4	12.7	13.6	13.1
		INDOOR COIL DB TEMP RISE (°F)	16	19	22	25	29	34
	1800	LIQUID PRESSURE (PSIG)	255	273	285	298	312	315
		LIQUID TEMPERATURE (°F)	49	52	57	61	63	72
		LIQUID SUBCOOLING (°F)	36	38	36	35	36	28
		SUCTION PRESSURE (PSIG)	50	59	76	90	99	127
		SUCTION TEMPERATURE (°F)	10	18	28	36	42	52
		SUCTION SUPERHEAT (°F)	9	10	9	10	11	8
		OUTDOOR UNIT CURRENT (A)	12.5	12.9	13.4	13.5	14.3	13.8
		COMPRESSOR CURRENT (A)	11.0	11.5	11.9	12.2	12.9	12.5
		INDOOR COIL DB TEMP RISE (°F)	14	16	20	23	25	30
70	1400	LIQUID PRESSURE (PSIG)	298	346	340	381	395	400
		LIQUID TEMPERATURE (°F)	60	60	66	68	73	83
		LIQUID SUBCOOLING (°F)	36	46	39	45	43	34
		SUCTION PRESSURE (PSIG)	52	61	75	86	102	129
		SUCTION TEMPERATURE (°F)	4	20	22	33	41	54
		SUCTION SUPERHEAT (°F)	1	11	4	9	9	9
		OUTDOOR UNIT CURRENT (A)	14.4	15.5	15.7	16.9	17.3	17.0
		COMPRESSOR CURRENT (A)	12.9	14.1	14.3	15.5	16.0	15.7
		INDOOR COIL DB TEMP RISE (°F)	18	20	24	27	32	37
	1600	LIQUID PRESSURE (PSIG)	294	331	332	366	378	381
		LIQUID TEMPERATURE (°F)	59	60	65	67	71	81
		LIQUID SUBCOOLING (°F)	36	43	38	43	42	32
		SUCTION PRESSURE (PSIG)	52	60	76	87	101	128
		SUCTION TEMPERATURE (°F)	6	20	23	34	41	53
		SUCTION SUPERHEAT (°F)	3	12	4	9	9	9
		OUTDOOR UNIT CURRENT (A)	14.2	14.9	15.3	16.2	16.7	16.3
		COMPRESSOR CURRENT (A)	12.7	13.5	13.9	14.8	15.3	15.0
		INDOOR COIL DB TEMP RISE (°F)	16	18	22	25	28	33
	1800	LIQUID PRESSURE (PSIG)	289	316	324	351	360	362
		LIQUID TEMPERATURE (°F)	57	60	64	67	70	78
		LIQUID SUBCOOLING (°F)	37	40	38	40	39	31
		SUCTION PRESSURE (PSIG)	52	60	77	87	101	126
		SUCTION TEMPERATURE (°F)	8	20	25	35	40	53
		SUCTION SUPERHEAT (°F)	5	12	6	10	8	10
		OUTDOOR UNIT CURRENT (A)	12.5	13.0	13.4	14.1	14.7	14.2
		COMPRESSOR CURRENT (A)	12.5	13.0	13.4	14.1	14.7	14.2
		INDOOR COIL DB TEMP RISE (°F)	14	16	19	22	24	29

Continued on next page.

YZF04813C W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1400	LIQUID PRESSURE (PSIG)	330	391	384	433	439	453
		LIQUID TEMPERATURE (°F)	70	68	75	76	79	89
		LIQUID SUBCOOLING (°F)	33	47	39	47	45	37
		SUCTION PRESSURE (PSIG)	56	62	81	89	104	128
		SUCTION TEMPERATURE (°F)	6	20	23	36	44	53
		SUCTION SUPERHEAT (°F)	0	10	2	10	11	9
		OUTDOOR UNIT CURRENT (A)	15.8	17.1	17.2	19.1	18.9	19.1
		COMPRESSOR CURRENT (A)	14.3	15.7	15.8	17.7	17.6	17.7
		INDOOR COIL DB TEMP RISE (°F)	18	20	24	27	31	35
	1600	LIQUID PRESSURE (PSIG)	326	375	374	418	424	431
		LIQUID TEMPERATURE (°F)	68	67	74	75	79	87
		LIQUID SUBCOOLING (°F)	34	45	38	45	42	35
		SUCTION PRESSURE (PSIG)	56	62	79	87	103	127
		SUCTION TEMPERATURE (°F)	6	21	22	35	41	53
		SUCTION SUPERHEAT (°F)	0	11	2	10	8	9
		OUTDOOR UNIT CURRENT (A)	15.6	16.5	16.7	18.3	18.4	18.2
		COMPRESSOR CURRENT (A)	14.1	15.1	15.4	16.9	17.1	16.8
		INDOOR COIL DB TEMP RISE (°F)	16	18	21	24	27	32
	1800	LIQUID PRESSURE (PSIG)	323	359	363	404	409	409
		LIQUID TEMPERATURE (°F)	66	67	72	74	78	85
		LIQUID SUBCOOLING (°F)	35	42	38	44	41	34
		SUCTION PRESSURE (PSIG)	55	62	77	85	102	126
		SUCTION TEMPERATURE (°F)	6	21	21	34	39	53
		SUCTION SUPERHEAT (°F)	1	11	2	10	7	10
		OUTDOOR UNIT CURRENT (A)	15.5	15.9	16.3	17.5	17.9	17.3
		COMPRESSOR CURRENT (A)	13.9	14.5	14.9	16.1	16.5	16.0
		INDOOR COIL DB TEMP RISE (°F)	14	16	19	21	24	28

FOR USE WITH MODELS:

YZF06013C
HC6B060F3C
HL6B060F3C

YZF06013C 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			
65	237(12)	240(13)	245(13)	254(14)
70	258(12)	260(13)	266(13)	275(14)
75	279(12)	281(13)	287(13)	296(14)
80	300(12)	302(12)	308(12)	317(13)
85	321(11)	323(11)	329(12)	337(12)
90	343(10)	344(10)	350(10)	358(11)
95	364(9)	364(9)	371(9)	379(10)
100	389(8)	389(8)	396(8)	403(9)
105	413(7)	414(7)	420(7)	427(8)
110	438(6)	438(6)	445(6)	452(6)
115	463(4)	463(4)	469(5)	476(5)
120	488(3)	487(3)	494(4)	500(3)
125	513(2)	513(2)	518(3)	524(2)

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.

YZF06013C CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YZF06013C	35	107	54.6	3.17	52.1	3.55	49.6	3.93	47.1	4.32	44.6	4.70	42.2	5.08	39.7	5.46
	40	119	61.4	3.67	58.0	4.03	54.7	4.39	51.3	4.75	47.9	5.10	44.6	5.46	41.2	5.82
	45	130	68.2	4.18	64.0	4.51	59.7	4.84	55.5	5.18	51.2	5.51	47.0	5.84	42.7	6.17
	50	143	75.0	4.69	69.9	4.99	64.7	5.30	59.6	5.60	54.5	5.91	49.4	6.22	44.2	6.52
	55	156	81.8	5.19	75.8	5.47	69.8	5.75	63.8	6.03	57.8	6.31	51.8	6.60	45.8	6.88

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YZF06013C W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1730	LIQUID PRESSURE (PSIG)	238	280	321	363	412	460	509
		LIQUID TEMPERATURE (°F)	69	80	92	103	114	125	136
		LIQUID SUBCOOLING (°F)	12	11	9	7	5	3	0
		SUCTION PRESSURE (PSIG)	116	119	122	126	129	132	135
		SUCTION TEMPERATURE (°F)	53	54	56	57	58	60	61
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	13.6	15.3	17.0	18.8	21.0	23.3	25.5
		COMPRESSOR CURRENT (A)	12.4	14.1	15.8	17.6	19.8	22.1	24.3
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1930	LIQUID PRESSURE (PSIG)	239	281	323	364	413	461	510
		LIQUID TEMPERATURE (°F)	70	81	92	103	114	125	136
		LIQUID SUBCOOLING (°F)	11	11	9	7	5	3	0
		SUCTION PRESSURE (PSIG)	119	122	125	128	131	134	137
		SUCTION TEMPERATURE (°F)	54	55	57	58	59	61	62
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	13.6	15.4	17.1	18.8	21.1	23.3	25.6
		COMPRESSOR CURRENT (A)	12.4	14.2	15.9	17.6	19.9	22.1	24.4
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	17
	2130	LIQUID PRESSURE (PSIG)	241	282	324	366	414	463	511
		LIQUID TEMPERATURE (°F)	70	81	92	104	114	125	136
		LIQUID SUBCOOLING (°F)	11	11	9	7	5	3	0
		SUCTION PRESSURE (PSIG)	121	124	127	130	133	136	139
		SUCTION TEMPERATURE (°F)	55	57	58	59	60	61	63
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	13.7	15.4	17.2	18.9	21.2	23.4	25.7
		COMPRESSOR CURRENT (A)	12.5	14.2	16.0	17.7	19.9	22.2	24.4
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	17
80/62	1730	LIQUID PRESSURE (PSIG)	238	280	321	363	412	460	509
		LIQUID TEMPERATURE (°F)	69	80	92	103	114	125	136
		LIQUID SUBCOOLING (°F)	12	11	9	6	5	3	0
		SUCTION PRESSURE (PSIG)	116	119	122	126	129	132	135
		SUCTION TEMPERATURE (°F)	53	54	56	57	58	60	61
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	13.6	15.3	17.0	18.8	21.0	23.3	25.5
		COMPRESSOR CURRENT (A)	12.4	14.1	15.8	17.6	19.8	22.1	24.3
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	24	23	22
	1930	LIQUID PRESSURE (PSIG)	240	281	323	364	414	463	512
		LIQUID TEMPERATURE (°F)	69	81	92	103	114	125	136
		LIQUID SUBCOOLING (°F)	12	11	9	7	5	3	0
		SUCTION PRESSURE (PSIG)	118	122	125	128	132	137	141
		SUCTION TEMPERATURE (°F)	54	55	57	58	60	62	64
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	13.6	15.4	17.1	18.8	21.1	23.4	25.7
		COMPRESSOR CURRENT (A)	12.5	14.2	15.9	17.6	19.9	22.2	24.5
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	22	21
	2130	LIQUID PRESSURE (PSIG)	241	282	324	366	416	466	515
		LIQUID TEMPERATURE (°F)	70	81	92	104	115	126	137
		LIQUID SUBCOOLING (°F)	12	11	9	7	5	3	0
		SUCTION PRESSURE (PSIG)	121	124	127	130	136	141	147
		SUCTION TEMPERATURE (°F)	55	57	58	59	61	64	66
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	13.7	15.4	17.2	18.9	21.2	23.6	25.9
		COMPRESSOR CURRENT (A)	12.5	14.3	16.0	17.7	20.0	22.4	24.7
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	21	20	19

Continued on next page.

YZF06013C W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1730	LIQUID PRESSURE (PSIG)	243	286	328	370	419	468	518
		LIQUID TEMPERATURE (°F)	70	82	93	104	115	125	136
		LIQUID SUBCOOLING (°F)	12	11	10	7	6	4	1
		SUCTION PRESSURE (PSIG)	127	130	134	137	141	144	148
		SUCTION TEMPERATURE (°F)	58	59	60	62	63	65	66
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	13.9	15.6	17.4	19.1	21.4	23.7	26.0
		COMPRESSOR CURRENT (A)	12.7	14.4	16.2	17.9	20.2	22.5	24.8
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1930	LIQUID PRESSURE (PSIG)	245	287	329	371	420	469	518
		LIQUID TEMPERATURE (°F)	71	82	93	104	115	126	136
		LIQUID SUBCOOLING (°F)	12	11	10	7	6	3	1
		SUCTION PRESSURE (PSIG)	129	133	136	140	143	146	149
		SUCTION TEMPERATURE (°F)	59	60	62	63	64	66	67
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	14.0	15.7	17.5	19.2	21.5	23.8	26.1
		COMPRESSOR CURRENT (A)	12.8	14.5	16.3	18.0	20.3	22.6	24.8
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	17
	2130	LIQUID PRESSURE (PSIG)	246	288	331	373	421	470	519
		LIQUID TEMPERATURE (°F)	71	82	93	105	115	126	136
		LIQUID SUBCOOLING (°F)	12	11	10	7	5	3	1
		SUCTION PRESSURE (PSIG)	132	136	139	143	146	148	151
		SUCTION TEMPERATURE (°F)	60	61	63	64	65	66	67
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	14.0	15.8	17.5	19.3	21.5	23.8	26.1
		COMPRESSOR CURRENT (A)	12.9	14.6	16.3	18.1	20.3	22.6	24.9
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	16
80/72	1730	LIQUID PRESSURE (PSIG)	252	294	336	378	426	475	523
		LIQUID TEMPERATURE (°F)	73	84	94	104	115	127	138
		LIQUID SUBCOOLING (°F)	11	11	10	9	6	3	-1
		SUCTION PRESSURE (PSIG)	138	142	146	149	154	158	162
		SUCTION TEMPERATURE (°F)	62	64	65	67	68	70	71
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	14.3	16.0	17.8	19.5	21.8	24.1	26.4
		COMPRESSOR CURRENT (A)	13.1	14.9	16.6	18.3	20.6	22.9	25.1
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	17	16	15	14
	1930	LIQUID PRESSURE (PSIG)	254	296	337	379	427	476	524
		LIQUID TEMPERATURE (°F)	73	83	94	105	116	127	138
		LIQUID SUBCOOLING (°F)	12	12	10	8	6	3	0
		SUCTION PRESSURE (PSIG)	142	145	149	152	156	160	164
		SUCTION TEMPERATURE (°F)	64	65	66	68	69	71	72
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	14.4	16.2	17.9	19.6	21.9	24.2	26.4
		COMPRESSOR CURRENT (A)	13.2	15.0	16.7	18.4	20.7	22.9	25.2
		INDOOR COIL DB TEMP DROP (°F)	18	17	16	16	15	14	13
	2130	LIQUID PRESSURE (PSIG)	257	298	339	380	429	477	525
		LIQUID TEMPERATURE (°F)	72	83	94	105	116	127	138
		LIQUID SUBCOOLING (°F)	13	13	11	8	6	3	0
		SUCTION PRESSURE (PSIG)	145	148	151	155	158	162	166
		SUCTION TEMPERATURE (°F)	65	66	67	69	70	71	73
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	14.6	16.3	18.0	19.7	22.0	24.2	26.5
		COMPRESSOR CURRENT (A)	13.4	15.1	16.8	18.5	20.7	23.0	25.3
		INDOOR COIL DB TEMP DROP (°F)	16	16	15	14	14	13	12

YZF06013C W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1600	LIQUID PRESSURE (PSIG)	280	285	297	319	326	344
		LIQUID TEMPERATURE (°F)	58	62	65	71	77	88
		LIQUID SUBCOOLING (°F)	33	31	30	29	25	18
		SUCTION PRESSURE (PSIG)	45	54	67	85	99	125
		SUCTION TEMPERATURE (°F)	17	21	28	38	43	54
		SUCTION SUPERHEAT (°F)	20	17	15	14	12	11
		OUTDOOR UNIT CURRENT (A)	15.6	15.9	16.4	17.4	17.9	18.9
		COMPRESSOR CURRENT (A)	14.1	14.3	14.9	16.0	16.5	17.6
		INDOOR COIL DB TEMP RISE (°F)	19	21	26	30	34	40
	1800	LIQUID PRESSURE (PSIG)	270	274	286	305	313	329
		LIQUID TEMPERATURE (°F)	58	61	64	70	75	84
		LIQUID SUBCOOLING (°F)	31	29	29	27	24	19
		SUCTION PRESSURE (PSIG)	45	54	64	84	98	123
		SUCTION TEMPERATURE (°F)	17	21	26	37	43	54
		SUCTION SUPERHEAT (°F)	20	17	15	14	13	12
		OUTDOOR UNIT CURRENT (A)	15.3	15.6	16.0	16.8	17.3	18.2
		COMPRESSOR CURRENT (A)	13.7	14.0	14.5	15.4	15.9	16.9
		INDOOR COIL DB TEMP RISE (°F)	17	19	22	27	31	36
	2000	LIQUID PRESSURE (PSIG)	261	264	276	291	299	314
		LIQUID TEMPERATURE (°F)	57	60	62	68	72	80
		LIQUID SUBCOOLING (°F)	30	28	29	26	24	19
		SUCTION PRESSURE (PSIG)	45	54	61	84	97	122
		SUCTION TEMPERATURE (°F)	17	21	23	37	43	54
		SUCTION SUPERHEAT (°F)	20	17	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	14.9	15.2	15.6	16.2	16.7	17.5
		COMPRESSOR CURRENT (A)	13.3	13.6	14.1	14.8	15.4	16.2
		INDOOR COIL DB TEMP RISE (°F)	15	17	19	24	27	32
70	1600	LIQUID PRESSURE (PSIG)	321	327	348	367	374	392
		LIQUID TEMPERATURE (°F)	67	69	75	80	85	95
		LIQUID SUBCOOLING (°F)	34	33	32	30	27	20
		SUCTION PRESSURE (PSIG)	46	51	70	86	100	126
		SUCTION TEMPERATURE (°F)	19	21	30	39	44	55
		SUCTION SUPERHEAT (°F)	21	19	15	15	13	12
		OUTDOOR UNIT CURRENT (A)	17.3	17.7	18.6	19.5	20.0	21.1
		COMPRESSOR CURRENT (A)	15.7	16.2	17.1	18.2	18.7	19.8
		INDOOR COIL DB TEMP RISE (°F)	19	20	26	30	33	39
	1800	LIQUID PRESSURE (PSIG)	311	313	337	352	360	376
		LIQUID TEMPERATURE (°F)	66	69	73	78	83	92
		LIQUID SUBCOOLING (°F)	33	30	31	29	26	20
		SUCTION PRESSURE (PSIG)	46	50	68	85	99	125
		SUCTION TEMPERATURE (°F)	18	21	29	38	44	55
		SUCTION SUPERHEAT (°F)	20	20	15	14	13	12
		OUTDOOR UNIT CURRENT (A)	16.9	17.2	18.1	18.9	11.0	20.3
		COMPRESSOR CURRENT (A)	15.3	15.6	16.6	17.5	18.0	19.0
		INDOOR COIL DB TEMP RISE (°F)	17	18	23	27	30	35
	2000	LIQUID PRESSURE (PSIG)	301	300	325	338	346	360
		LIQUID TEMPERATURE (°F)	66	68	72	77	81	89
		LIQUID SUBCOOLING (°F)	30	28	30	28	25	20
		SUCTION PRESSURE (PSIG)	46	50	67	85	99	124
		SUCTION TEMPERATURE (°F)	18	22	28	38	44	55
		SUCTION SUPERHEAT (°F)	20	21	15	14	13	13
		OUTDOOR UNIT CURRENT (A)	14.9	15.0	16.2	16.9	17.3	18.2
		COMPRESSOR CURRENT (A)	14.9	15.0	16.2	16.9	17.3	18.2
		INDOOR COIL DB TEMP RISE (°F)	15	16	20	24	27	32

Continued on next page.

YZF06013C W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1600	LIQUID PRESSURE (PSIG)	363	369	399	415	423	440
		LIQUID TEMPERATURE (°F)	76	77	84	88	93	103
		LIQUID SUBCOOLING (°F)	34	34	33	32	28	21
		SUCTION PRESSURE (PSIG)	47	48	73	86	101	127
		SUCTION TEMPERATURE (°F)	20	21	32	39	45	56
		SUCTION SUPERHEAT (°F)	21	21	15	15	13	12
		OUTDOOR UNIT CURRENT (A)	19.0	19.5	20.7	21.7	22.2	23.4
		COMPRESSOR CURRENT (A)	17.4	18.0	19.3	20.3	20.9	22.1
		INDOOR COIL DB TEMP RISE (°F)	18	19	26	29	33	38
	1800	LIQUID PRESSURE (PSIG)	352	352	387	400	407	423
		LIQUID TEMPERATURE (°F)	75	77	83	87	91	101
		LIQUID SUBCOOLING (°F)	32	30	31	30	27	20
		SUCTION PRESSURE (PSIG)	47	47	73	86	101	126
		SUCTION TEMPERATURE (°F)	20	21	32	39	45	56
		SUCTION SUPERHEAT (°F)	21	22	15	15	13	13
		OUTDOOR UNIT CURRENT (A)	18.5	18.8	20.2	21.0	21.4	22.5
		COMPRESSOR CURRENT (A)	16.9	17.2	18.8	19.6	20.1	21.1
		INDOOR COIL DB TEMP RISE (°F)	17	17	23	26	30	34
	2000	LIQUID PRESSURE (PSIG)	341	335	374	385	392	405
		LIQUID TEMPERATURE (°F)	75	77	82	86	89	98
		LIQUID SUBCOOLING (°F)	30	27	30	28	26	20
		SUCTION PRESSURE (PSIG)	47	46	72	85	100	126
		SUCTION TEMPERATURE (°F)	19	22	32	39	45	56
		SUCTION SUPERHEAT (°F)	20	24	16	15	14	13
		OUTDOOR UNIT CURRENT (A)	18.1	18.1	19.6	20.4	20.7	21.5
		COMPRESSOR CURRENT (A)	16.4	16.4	18.2	19.0	19.3	20.2
		INDOOR COIL DB TEMP RISE (°F)	15	15	21	24	26	31

FOR USE WITH MODELS:**YHJF18S41S1****THJF18S41S3****THGF18S41S3****RHP14J184S21**

YHJF18S41S1 SUPERHEAT CHARGING CHART															
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE														
	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
	TEMPERATURE (°F) AT SUCTION BASE VALVE														
65	39	46	53	61	70	79	89	100	112	..	..	..	..	..	..
70		44	50	58	66	74	84	93	104	115	..	..	..	..	..
75	..	42	48	55	62	70	78	87	97	107	..	..	..	..	..
80	..	..	46	52	59	66	74	82	91	101	111	..	..	..	..
85	..	..	47	51	56	62	69	76	84	93	103	..	..	..	..
90	..	..	..	50	54	59	65	72	80	88	97	106	..	..	..
95	..	..	..	51	53	57	62	67	74	81	90	99	..	..	..
100	..	..	..	..	53	56	60	66	72	78	86	95	..	..	..
105	..	..	..	..	..	56	59	63	68	75	82	90	..	..	..
110	..	..	..	..	..	55	58	62	67	73	79	87	..	..	..
115	..	..	..	..	..	..	58	61	65	70	76	83	..	..	..
120	..	..	..	..	..	..	58	60	63	68	73	79	..	..	..
125	..	..	..	..	..	..	..	60	62	66	71	76	..	..	..

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

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

YHJF18S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJF18S41S1	35	107	17.4	0.91	15.6	1.04	13.9	1.16	12.1	1.28	10.4	1.40	8.6	1.52	6.9	1.64
	40	119	19.3	0.91	17.6	1.04	15.8	1.17	14.1	1.30	12.3	1.43	10.6	1.56	8.8	1.69
	45	130	21.3	0.90	19.6	1.04	17.8	1.18	16.0	1.31	14.3	1.45	12.5	1.59	10.7	1.73
	50	143	23.3	0.89	21.6	1.04	19.8	1.19	18.0	1.33	16.2	1.48	14.4	1.62	12.7	1.77
	55	156	25.3	0.89	23.5	1.04	21.7	1.20	20.0	1.35	18.2	1.50	16.4	1.66	14.6	1.81

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJF18S41S1 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	400	LIQUID PRESSURE (PSIG)	226	266	307	347	397	448	498
		LIQUID TEMPERATURE (°F)	73	83	94	104	115	126	137
		LIQUID SUBCOOLING (°F)	4	5	4	2	1	-1	-3
		SUCTION PRESSURE (PSIG)	120	124	127	130	135	139	143
		SUCTION TEMPERATURE (°F)	48	50	52	53	55	57	59
		SUCTION SUPERHEAT (°F)	7	8	8	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	4.1	4.6	5.2	5.7	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.4	3.9	4.4	5.0	5.6	6.3	7.0
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20
	600	LIQUID PRESSURE (PSIG)	226	267	308	350	399	449	499
		LIQUID TEMPERATURE (°F)	71	82	93	104	115	126	137
		LIQUID SUBCOOLING (°F)	6	6	5	3	2	0	-3
		SUCTION PRESSURE (PSIG)	129	132	135	138	141	145	148
		SUCTION TEMPERATURE (°F)	68	66	63	61	61	60	59
		SUCTION SUPERHEAT (°F)	23	20	16	13	12	9	7
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.2	5.8	6.5	7.2	7.9
		COMPRESSOR CURRENT (A)	3.3	3.9	4.5	5.1	5.7	6.4	7.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	17
	800	LIQUID PRESSURE (PSIG)	226	268	310	352	401	451	500
		LIQUID TEMPERATURE (°F)	70	81	92	103	114	125	136
		LIQUID SUBCOOLING (°F)	7	8	6	4	3	1	-2
		SUCTION PRESSURE (PSIG)	138	141	143	146	148	151	153
		SUCTION TEMPERATURE (°F)	87	81	75	69	66	63	60
		SUCTION SUPERHEAT (°F)	39	32	25	18	14	10	6
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.2	5.9	6.6	7.3	8.0
		COMPRESSOR CURRENT (A)	3.3	3.9	4.5	5.1	5.8	6.5	7.2
		INDOOR COIL DB TEMP DROP (°F)	17	17	17	16	16	15	14
80/62	400	LIQUID PRESSURE (PSIG)	226	266	307	347	397	448	498
		LIQUID TEMPERATURE (°F)	73	83	94	104	115	126	137
		LIQUID SUBCOOLING (°F)	4	5	4	2	1	-1	-3
		SUCTION PRESSURE (PSIG)	120	124	127	130	134	139	143
		SUCTION TEMPERATURE (°F)	48	50	52	53	55	57	59
		SUCTION SUPERHEAT (°F)	7	8	8	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	4.1	4.6	5.2	5.7	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.4	3.9	4.4	5.0	5.6	6.3	7.0
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	24
	600	LIQUID PRESSURE (PSIG)	225	267	309	352	401	451	501
		LIQUID TEMPERATURE (°F)	72	82	93	103	114	125	136
		LIQUID SUBCOOLING (°F)	5	6	5	4	3	1	-2
		SUCTION PRESSURE (PSIG)	128	132	137	141	145	150	154
		SUCTION TEMPERATURE (°F)	67	66	65	64	65	67	68
		SUCTION SUPERHEAT (°F)	23	20	17	15	14	14	14
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.2	5.8	6.5	7.3	8.0
		COMPRESSOR CURRENT (A)	3.3	3.9	4.5	5.1	5.8	6.5	7.2
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	20	19
	800	LIQUID PRESSURE (PSIG)	223	267	312	356	406	455	504
		LIQUID TEMPERATURE (°F)	71	81	91	102	113	124	135
		LIQUID SUBCOOLING (°F)	6	7	8	6	5	3	0
		SUCTION PRESSURE (PSIG)	135	141	146	151	156	161	166
		SUCTION TEMPERATURE (°F)	86	82	78	75	76	77	78
		SUCTION SUPERHEAT (°F)	39	33	27	22	21	20	19
		OUTDOOR UNIT CURRENT (A)	3.9	4.6	5.3	5.9	6.7	7.4	8.2
		COMPRESSOR CURRENT (A)	3.3	3.9	4.5	5.2	5.9	6.6	7.4
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	18	17	16	15

Continued on next page.

YHJF18S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	400	LIQUID PRESSURE (PSIG)	224	267	310	352	402	452	503
		LIQUID TEMPERATURE (°F)	70	81	92	103	114	125	135
		LIQUID SUBCOOLING (°F)	7	7	6	4	3	1	-1
		SUCTION PRESSURE (PSIG)	130	134	137	141	145	150	154
		SUCTION TEMPERATURE (°F)	66	63	61	58	60	62	65
		SUCTION SUPERHEAT (°F)	21	16	13	9	9	9	11
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.2	5.8	6.5	7.2	7.9
		COMPRESSOR CURRENT (A)	3.3	3.9	4.5	5.1	5.8	6.5	7.1
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20
	600	LIQUID PRESSURE (PSIG)	227	269	312	355	405	454	504
		LIQUID TEMPERATURE (°F)	70	81	91	102	113	124	135
		LIQUID SUBCOOLING (°F)	8	8	8	6	5	2	0
		SUCTION PRESSURE (PSIG)	139	142	146	150	153	157	160
		SUCTION TEMPERATURE (°F)	86	82	78	74	73	72	70
		SUCTION SUPERHEAT (°F)	37	32	27	21	19	17	14
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.3	5.9	6.6	7.3	8.1
		COMPRESSOR CURRENT (A)	3.3	3.9	4.5	5.2	5.9	6.6	7.3
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	17
	800	LIQUID PRESSURE (PSIG)	229	272	315	358	407	456	505
		LIQUID TEMPERATURE (°F)	70	80	91	102	113	123	134
		LIQUID SUBCOOLING (°F)	8	10	9	7	5	4	1
		SUCTION PRESSURE (PSIG)	147	151	155	159	161	164	166
		SUCTION TEMPERATURE (°F)	106	101	96	90	86	81	76
		SUCTION SUPERHEAT (°F)	54	48	41	34	29	23	17
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.3	5.9	6.7	7.5	8.2
		COMPRESSOR CURRENT (A)	3.3	3.9	4.6	5.2	5.9	6.7	7.4
		INDOOR COIL DB TEMP DROP (°F)	16	16	16	16	15	15	15
80/72	400	LIQUID PRESSURE (PSIG)	227	270	314	358	407	456	504
		LIQUID TEMPERATURE (°F)	70	81	91	102	113	123	134
		LIQUID SUBCOOLING (°F)	8	8	8	7	5	4	1
		SUCTION PRESSURE (PSIG)	140	144	149	153	157	162	166
		SUCTION TEMPERATURE (°F)	91	85	80	75	76	77	78
		SUCTION SUPERHEAT (°F)	42	34	28	21	21	20	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.3	5.9	6.7	7.4	8.2
		COMPRESSOR CURRENT (A)	3.3	3.9	4.6	5.2	5.9	6.7	7.4
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	18	17	16
	600	LIQUID PRESSURE (PSIG)	229	273	317	360	410	459	509
		LIQUID TEMPERATURE (°F)	70	80	91	101	112	123	134
		LIQUID SUBCOOLING (°F)	8	10	9	8	7	4	1
		SUCTION PRESSURE (PSIG)	147	151	156	161	165	169	174
		SUCTION TEMPERATURE (°F)	103	99	95	91	91	90	90
		SUCTION SUPERHEAT (°F)	51	46	40	34	33	30	29
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.3	6.0	6.7	7.5	8.2
		COMPRESSOR CURRENT (A)	3.3	3.9	4.6	5.3	6.0	6.7	7.4
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	14	13
	800	LIQUID PRESSURE (PSIG)	231	275	319	363	413	463	513
		LIQUID TEMPERATURE (°F)	69	80	90	101	111	122	133
		LIQUID SUBCOOLING (°F)	10	10	10	9	8	6	3
		SUCTION PRESSURE (PSIG)	153	158	164	169	173	177	181
		SUCTION TEMPERATURE (°F)	115	113	110	107	105	103	101
		SUCTION SUPERHEAT (°F)	61	57	52	47	44	41	37
		OUTDOOR UNIT CURRENT (A)	4.0	4.7	5.4	6.0	6.8	7.5	8.3
		COMPRESSOR CURRENT (A)	3.3	4.0	4.6	5.3	6.0	6.8	7.5
		INDOOR COIL DB TEMP DROP (°F)	12	12	12	12	12	11	11

YHJF18S41S1 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	450	LIQUID PRESSURE (PSIG)	259	276	299	319	334	360
		LIQUID TEMPERATURE (°F)	44	49	59	67	74	84
		LIQUID SUBCOOLING (°F)	42	42	37	33	30	25
		SUCTION PRESSURE (PSIG)	51	62	82	99	111	137
		SUCTION TEMPERATURE (°F)	17	24	34	41	46	57
		SUCTION SUPERHEAT (°F)	15	14	12	10	9	9
		OUTDOOR UNIT CURRENT (A)	5.1	5.3	5.5	5.6	5.7	5.9
		COMPRESSOR CURRENT (A)	4.3	4.5	4.7	4.8	4.9	5.2
		INDOOR COIL DB TEMP RISE (°F)	18	21	32	32	35	41
	600	LIQUID PRESSURE (PSIG)	244	258	277	293	305	327
		LIQUID TEMPERATURE (°F)	43	48	57	64	70	80
		LIQUID SUBCOOLING (°F)	39	38	34	31	27	22
		SUCTION PRESSURE (PSIG)	51	61	81	98	110	137
		SUCTION TEMPERATURE (°F)	16	23	33	41	46	57
		SUCTION SUPERHEAT (°F)	14	14	12	11	10	9
		OUTDOOR UNIT CURRENT (A)	4.9	5.0	5.2	5.2	5.3	5.5
		COMPRESSOR CURRENT (A)	4.1	4.2	4.4	4.4	4.5	4.7
		INDOOR COIL DB TEMP RISE (°F)	15	17	26	26	28	33
	750	LIQUID PRESSURE (PSIG)	228	240	254	267	277	294
		LIQUID TEMPERATURE (°F)	42	47	55	61	66	75
		LIQUID SUBCOOLING (°F)	36	34	30	27	25	20
		SUCTION PRESSURE (PSIG)	50	61	80	98	110	136
		SUCTION TEMPERATURE (°F)	16	22	31	42	46	57
		SUCTION SUPERHEAT (°F)	15	13	10	12	10	10
		OUTDOOR UNIT CURRENT (A)	4.7	4.8	4.9	4.9	4.9	5.0
		COMPRESSOR CURRENT (A)	4.0	4.0	4.1	4.1	4.1	4.2
		INDOOR COIL DB TEMP RISE (°F)	11	13	20	20	22	26
70	450	LIQUID PRESSURE (PSIG)	300	315	340	361	376	405
		LIQUID TEMPERATURE (°F)	50	55	66	74	79	91
		LIQUID SUBCOOLING (°F)	46	45	39	35	33	27
		SUCTION PRESSURE (PSIG)	52	62	83	100	111	138
		SUCTION TEMPERATURE (°F)	19	25	35	42	46	57
		SUCTION SUPERHEAT (°F)	16	15	12	11	9	9
		OUTDOOR UNIT CURRENT (A)	5.8	5.9	6.1	6.2	6.3	6.6
		COMPRESSOR CURRENT (A)	5.0	5.1	5.3	5.4	5.6	5.8
		INDOOR COIL DB TEMP RISE (°F)	17	21	30	30	34	39
	600	LIQUID PRESSURE (PSIG)	284	297	317	334	346	370
		LIQUID TEMPERATURE (°F)	49	54	64	71	76	86
		LIQUID SUBCOOLING (°F)	43	41	36	33	30	25
		SUCTION PRESSURE (PSIG)	51	62	82	99	111	137
		SUCTION TEMPERATURE (°F)	18	24	34	42	46	57
		SUCTION SUPERHEAT (°F)	16	14	12	11	9	9
		OUTDOOR UNIT CURRENT (A)	5.5	5.6	5.7	5.8	5.8	6.1
		COMPRESSOR CURRENT (A)	4.7	4.8	4.9	5.0	5.1	5.3
		INDOOR COIL DB TEMP RISE (°F)	14	17	25	25	27	32
	750	LIQUID PRESSURE (PSIG)	267	278	293	307	317	335
		LIQUID TEMPERATURE (°F)	48	53	62	68	73	81
		LIQUID SUBCOOLING (°F)	40	38	33	30	27	23
		SUCTION PRESSURE (PSIG)	51	61	81	98	111	137
		SUCTION TEMPERATURE (°F)	18	24	33	42	47	57
		SUCTION SUPERHEAT (°F)	16	15	12	12	10	9
		OUTDOOR UNIT CURRENT (A)	5.3	5.3	5.4	5.5	5.5	5.6
		COMPRESSOR CURRENT (A)	4.5	4.5	4.6	4.7	4.7	4.8
		INDOOR COIL DB TEMP RISE (°F)	11	13	19	19	21	25

Continued on next page.

YHJF18S41S1 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	450	LIQUID PRESSURE (PSIG)	341	354	380	402	418	450
		LIQUID TEMPERATURE (°F)	56	61	72	80	85	97
		LIQUID SUBCOOLING (°F)	49	47	41	37	35	29
		SUCTION PRESSURE (PSIG)	52	62	84	101	111	138
		SUCTION TEMPERATURE (°F)	20	26	35	43	47	58
		SUCTION SUPERHEAT (°F)	17	16	12	11	10	10
		OUTDOOR UNIT CURRENT (A)	6.4	6.4	6.6	6.8	6.9	7.2
		COMPRESSOR CURRENT (A)	5.6	5.6	5.8	6.0	6.2	6.5
		INDOOR COIL DB TEMP RISE (°F)	17	20	29	29	32	38
	600	LIQUID PRESSURE (PSIG)	324	335	356	374	387	413
		LIQUID TEMPERATURE (°F)	55	61	70	78	82	92
		LIQUID SUBCOOLING (°F)	47	43	38	34	32	27
		SUCTION PRESSURE (PSIG)	52	62	83	99	111	138
		SUCTION TEMPERATURE (°F)	20	26	35	42	47	57
		SUCTION SUPERHEAT (°F)	17	16	12	11	10	9
		OUTDOOR UNIT CURRENT (A)	6.1	6.1	6.3	6.4	1.3	6.7
		COMPRESSOR CURRENT (A)	5.3	5.3	5.5	5.6	5.7	5.9
		INDOOR COIL DB TEMP RISE (°F)	13	16	24	24	26	31
	750	LIQUID PRESSURE (PSIG)	306	316	332	347	357	376
		LIQUID TEMPERATURE (°F)	54	60	68	75	79	88
		LIQUID SUBCOOLING (°F)	44	40	35	31	29	24
		SUCTION PRESSURE (PSIG)	52	62	83	98	111	138
		SUCTION TEMPERATURE (°F)	20	25	35	41	47	57
		SUCTION SUPERHEAT (°F)	17	15	12	11	10	9
		OUTDOOR UNIT CURRENT (A)	5.8	5.8	6.0	6.0	6.0	6.2
		COMPRESSOR CURRENT (A)	5.0	5.0	5.2	5.3	5.2	5.4
		INDOOR COIL DB TEMP RISE (°F)	10	12	18	18	20	24

FOR USE WITH MODELS:

YHJF24S41S1
THJF24S41S3
THGF24S41S3
RHP14J244S21

YHJF24S41S1 SUPERHEAT CHARGING CHART															
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE														
	110	114	119	123	127	131	136	140	144	149	153	157	161	166	170
	TEMPERATURE (°F) AT SUCTION BASE VALVE														
65	..	38	44	51	59	66	75	83	93	..	..	..	..	..	..
70	..	..	42	48	55	62	70	78	86	95	..	..	..	..	..
75	..	..	40	46	52	58	65	72	80	88	96	..	..	..	..
80	..	..	..	44	49	55	61	68	75	82	90	..	..	..	..
85	..	..	..	43	47	52	57	63	69	76	83	91	..	..	..
90	..	..	..	..	46	50	55	60	65	71	78	85	92	..	..
95	..	..	..	..	46	48	52	56	61	66	72	79	86	..	..
100	..	..	..	..	..	48	51	54	59	64	69	76	83	..	..
105	..	..	..	..	..	..	50	53	56	60	66	72	78	..	..
110	..	..	..	..	..	..	49	52	55	59	64	69	75	..	..
115	..	..	..	..	..	..	..	51	53	56	60	65	71	..	..
120	..	..	..	..	..	..	..	51	52	55	58	62	68	..	..
125	..	..	..	..	..	..	..	..	52	54	56	60	65	..	..

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

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

YHJF24S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJF24S41S1	35	107	12.2	0.91	13.5	1.04	14.8	1.16	16.1	1.28	17.3	1.40	18.6	1.52	19.9	1.64
	40	119	13.5	0.91	15.2	1.04	16.9	1.17	18.6	1.30	20.3	1.43	22.0	1.56	23.7	1.69
	45	130	14.7	0.90	16.8	1.04	19.0	1.18	21.1	1.31	23.2	1.45	25.3	1.59	27.5	1.73
	50	143	16.0	0.89	18.5	1.04	21.1	1.19	23.6	1.33	26.2	1.48	28.7	1.62	31.3	1.77
	55	156	17.2	0.89	20.2	1.04	23.2	1.20	26.1	1.35	29.1	1.50	32.1	1.66	35.0	1.81

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJF24S41S1 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	212	254	295	337	386	436	485
		LIQUID TEMPERATURE (°F)	70	80	91	102	113	123	134
		LIQUID SUBCOOLING (°F)	3	5	4	2	1	0	-2
		SUCTION PRESSURE (PSIG)	120	123	126	130	133	137	140
		SUCTION TEMPERATURE (°F)	43	44	46	47	48	50	51
		SUCTION SUPERHEAT (°F)	2	2	3	2	2	2	2
		OUTDOOR UNIT CURRENT (A)	4.8	5.4	6.0	6.6	7.4	8.2	9.0
		COMPRESSOR CURRENT (A)	3.9	4.6	5.2	5.8	6.6	7.3	8.1
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	20	19	18
	800	LIQUID PRESSURE (PSIG)	215	256	297	338	388	438	488
		LIQUID TEMPERATURE (°F)	69	80	91	102	112	123	134
		LIQUID SUBCOOLING (°F)	5	5	4	3	3	1	-2
		SUCTION PRESSURE (PSIG)	127	129	132	135	138	141	144
		SUCTION TEMPERATURE (°F)	57	55	53	51	51	52	52
		SUCTION SUPERHEAT (°F)	13	10	7	4	3	3	1
		OUTDOOR UNIT CURRENT (A)	4.8	5.4	6.0	6.6	7.4	8.3	9.1
		COMPRESSOR CURRENT (A)	4.0	4.6	5.2	5.8	6.6	7.4	8.3
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	17	17
	1000	LIQUID PRESSURE (PSIG)	217	258	299	340	390	440	490
		LIQUID TEMPERATURE (°F)	69	80	91	101	112	122	133
		LIQUID SUBCOOLING (°F)	6	6	5	4	3	2	-1
		SUCTION PRESSURE (PSIG)	133	136	138	140	143	145	148
		SUCTION TEMPERATURE (°F)	71	66	60	54	54	54	53
		SUCTION SUPERHEAT (°F)	25	19	12	5	4	3	1
		OUTDOOR UNIT CURRENT (A)	4.9	5.4	6.0	6.5	7.4	8.4	9.3
		COMPRESSOR CURRENT (A)	4.1	4.6	5.2	5.7	6.6	7.5	8.4
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	16	15	15
80/62	600	LIQUID PRESSURE (PSIG)	213	254	295	337	386	435	485
		LIQUID TEMPERATURE (°F)	70	80	91	102	113	123	134
		LIQUID SUBCOOLING (°F)	4	5	4	2	1	0	-2
		SUCTION PRESSURE (PSIG)	120	123	127	130	133	137	140
		SUCTION TEMPERATURE (°F)	43	44	46	47	48	50	51
		SUCTION SUPERHEAT (°F)	2	2	2	2	2	2	2
		OUTDOOR UNIT CURRENT (A)	4.8	5.4	6.0	6.6	7.4	8.2	8.9
		COMPRESSOR CURRENT (A)	4.0	4.6	5.2	5.8	6.6	7.3	8.1
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	26	25	23	22
	800	LIQUID PRESSURE (PSIG)	214	256	298	340	389	439	488
		LIQUID TEMPERATURE (°F)	69	80	91	102	112	123	134
		LIQUID SUBCOOLING (°F)	5	5	5	3	3	1	-2
		SUCTION PRESSURE (PSIG)	125	130	134	138	142	146	150
		SUCTION TEMPERATURE (°F)	55	55	55	55	55	56	56
		SUCTION SUPERHEAT (°F)	12	10	8	7	5	5	3
		OUTDOOR UNIT CURRENT (A)	4.7	5.4	6.1	6.7	7.5	8.3	9.1
		COMPRESSOR CURRENT (A)	3.9	4.6	5.3	5.9	6.7	7.5	8.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19
	1000	LIQUID PRESSURE (PSIG)	216	258	301	343	393	442	491
		LIQUID TEMPERATURE (°F)	69	80	91	101	112	122	133
		LIQUID SUBCOOLING (°F)	6	6	5	5	4	2	-1
		SUCTION PRESSURE (PSIG)	131	136	141	146	150	155	159
		SUCTION TEMPERATURE (°F)	67	65	64	62	62	61	60
		SUCTION SUPERHEAT (°F)	22	18	15	11	9	6	4
		OUTDOOR UNIT CURRENT (A)	4.7	5.4	6.1	6.9	7.7	8.5	9.3
		COMPRESSOR CURRENT (A)	3.9	4.6	5.3	6.0	6.8	7.6	8.4
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	19	18	17	16

Continued on next page.

YHJF24S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	600	LIQUID PRESSURE (PSIG)	217	258	300	341	392	443	494
		LIQUID TEMPERATURE (°F)	69	80	91	101	112	122	133
		LIQUID SUBCOOLING (°F)	6	6	5	4	3	3	0
		SUCTION PRESSURE (PSIG)	131	135	138	141	145	148	152
		SUCTION TEMPERATURE (°F)	67	63	59	56	55	55	54
		SUCTION SUPERHEAT (°F)	22	16	11	7	4	3	0
		OUTDOOR UNIT CURRENT (A)	4.8	5.4	6.1	6.7	7.6	8.4	9.3
		COMPRESSOR CURRENT (A)	4.0	4.6	5.2	5.9	6.7	7.6	8.4
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	21	20	19
	800	LIQUID PRESSURE (PSIG)	218	260	302	344	394	443	493
		LIQUID TEMPERATURE (°F)	69	80	90	101	112	122	133
		LIQUID SUBCOOLING (°F)	6	7	7	5	4	3	0
		SUCTION PRESSURE (PSIG)	137	140	144	147	150	153	156
		SUCTION TEMPERATURE (°F)	79	74	69	64	62	60	59
		SUCTION SUPERHEAT (°F)	31	25	18	12	9	6	4
		OUTDOOR UNIT CURRENT (A)	4.8	5.4	6.1	6.8	7.7	8.5	9.4
		COMPRESSOR CURRENT (A)	4.0	4.6	5.3	6.0	6.8	7.7	8.5
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	17
	1000	LIQUID PRESSURE (PSIG)	218	261	304	347	396	444	492
		LIQUID TEMPERATURE (°F)	69	80	90	101	111	122	133
		LIQUID SUBCOOLING (°F)	6	7	7	5	5	3	0
		SUCTION PRESSURE (PSIG)	142	146	149	153	155	158	161
		SUCTION TEMPERATURE (°F)	92	85	79	72	69	66	63
		SUCTION SUPERHEAT (°F)	42	34	27	18	14	10	6
		OUTDOOR UNIT CURRENT (A)	4.7	5.4	6.2	6.9	7.8	8.6	9.5
		COMPRESSOR CURRENT (A)	3.9	4.6	5.4	6.1	6.9	7.8	8.6
		INDOOR COIL DB TEMP DROP (°F)	17	17	17	16	16	15	15
80/72	600	LIQUID PRESSURE (PSIG)	219	262	305	348	396	444	493
		LIQUID TEMPERATURE (°F)	69	79	90	100	111	122	133
		LIQUID SUBCOOLING (°F)	6	8	7	7	5	3	0
		SUCTION PRESSURE (PSIG)	140	145	149	154	157	161	164
		SUCTION TEMPERATURE (°F)	85	81	77	73	72	71	71
		SUCTION SUPERHEAT (°F)	36	30	25	19	17	14	13
		OUTDOOR UNIT CURRENT (A)	4.7	5.5	6.2	6.9	7.8	8.6	9.5
		COMPRESSOR CURRENT (A)	3.9	4.6	5.4	6.1	6.9	7.8	8.6
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	16	16	15
	800	LIQUID PRESSURE (PSIG)	220	263	307	350	398	447	495
		LIQUID TEMPERATURE (°F)	69	79	90	100	111	122	132
		LIQUID SUBCOOLING (°F)	7	8	8	7	5	3	1
		SUCTION PRESSURE (PSIG)	144	149	154	159	162	166	170
		SUCTION TEMPERATURE (°F)	91	88	85	82	81	80	78
		SUCTION SUPERHEAT (°F)	40	36	31	26	24	21	18
		OUTDOOR UNIT CURRENT (A)	4.7	5.5	6.2	7.0	7.8	8.7	9.5
		COMPRESSOR CURRENT (A)	3.9	4.7	5.4	6.1	7.0	7.8	8.7
		INDOOR COIL DB TEMP DROP (°F)	17	16	15	15	14	13	13
	1000	LIQUID PRESSURE (PSIG)	221	265	309	352	401	449	498
		LIQUID TEMPERATURE (°F)	69	79	90	100	111	121	132
		LIQUID SUBCOOLING (°F)	7	9	8	7	6	5	2
		SUCTION PRESSURE (PSIG)	148	153	159	164	168	171	175
		SUCTION TEMPERATURE (°F)	98	96	93	91	89	88	86
		SUCTION SUPERHEAT (°F)	46	42	37	33	30	28	24
		OUTDOOR UNIT CURRENT (A)	4.7	5.5	6.3	7.0	7.9	8.7	9.5
		COMPRESSOR CURRENT (A)	3.9	4.7	5.4	6.2	7.0	7.9	8.7
		INDOOR COIL DB TEMP DROP (°F)	13	13	12	12	12	11	11

YHJF24S41S1 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	600	LIQUID PRESSURE (PSIG)	270	279	302	318	339	362
		LIQUID TEMPERATURE (°F)	53	57	63	70	75	84
		LIQUID SUBCOOLING (°F)	36	34	34	30	30	25
		SUCTION PRESSURE (PSIG)	52	61	78	94	105	131
		SUCTION TEMPERATURE (°F)	16	22	31	39	45	57
		SUCTION SUPERHEAT (°F)	13	13	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	6.4	6.4	6.8	7.0	7.3	7.6
		COMPRESSOR CURRENT (A)	5.4	5.5	5.8	6.1	6.4	6.7
		INDOOR COIL DB TEMP RISE (°F)	19	22	30	30	36	39
	800	LIQUID PRESSURE (PSIG)	253	261	280	293	308	329
		LIQUID TEMPERATURE (°F)	52	56	60	67	71	78
		LIQUID SUBCOOLING (°F)	33	31	31	28	27	25
		SUCTION PRESSURE (PSIG)	51	61	77	93	105	129
		SUCTION TEMPERATURE (°F)	15	21	31	39	45	57
		SUCTION SUPERHEAT (°F)	13	12	12	11	11	12
		OUTDOOR UNIT CURRENT (A)	6.1	6.1	6.4	6.5	6.7	7.0
		COMPRESSOR CURRENT (A)	5.1	5.2	5.5	5.6	5.8	6.1
		INDOOR COIL DB TEMP RISE (°F)	15	17	24	24	29	32
	1000	LIQUID PRESSURE (PSIG)	237	243	257	268	277	295
		LIQUID TEMPERATURE (°F)	52	54	58	63	67	73
		LIQUID SUBCOOLING (°F)	28	28	28	26	24	22
		SUCTION PRESSURE (PSIG)	51	60	76	92	104	127
		SUCTION TEMPERATURE (°F)	15	21	30	39	45	58
		SUCTION SUPERHEAT (°F)	13	13	11	12	12	14
		OUTDOOR UNIT CURRENT (A)	5.8	5.8	6.0	6.1	6.2	6.4
		COMPRESSOR CURRENT (A)	4.9	4.9	5.1	5.2	5.3	5.5
		INDOOR COIL DB TEMP RISE (°F)	11	13	19	19	21	24
70	600	LIQUID PRESSURE (PSIG)	306	316	343	360	380	404
		LIQUID TEMPERATURE (°F)	60	63	70	76	82	90
		LIQUID SUBCOOLING (°F)	38	37	36	33	31	28
		SUCTION PRESSURE (PSIG)	53	62	79	95	107	132
		SUCTION TEMPERATURE (°F)	17	22	32	40	46	57
		SUCTION SUPERHEAT (°F)	14	12	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	7.0	7.1	7.5	7.7	8.0	8.4
		COMPRESSOR CURRENT (A)	6.1	6.2	6.6	6.8	7.1	7.5
		INDOOR COIL DB TEMP RISE (°F)	17	18	28	28	33	36
	800	LIQUID PRESSURE (PSIG)	290	297	320	334	349	371
		LIQUID TEMPERATURE (°F)	59	62	68	74	78	85
		LIQUID SUBCOOLING (°F)	35	33	33	30	29	26
		SUCTION PRESSURE (PSIG)	52	61	79	95	106	130
		SUCTION TEMPERATURE (°F)	16	21	32	40	46	57
		SUCTION SUPERHEAT (°F)	13	12	12	11	12	12
		OUTDOOR UNIT CURRENT (A)	6.7	6.8	7.1	7.3	5.5	7.7
		COMPRESSOR CURRENT (A)	5.8	5.9	6.2	6.4	6.6	6.9
		INDOOR COIL DB TEMP RISE (°F)	13	15	23	23	26	30
	1000	LIQUID PRESSURE (PSIG)	274	279	296	308	318	337
		LIQUID TEMPERATURE (°F)	58	61	66	71	74	80
		LIQUID SUBCOOLING (°F)	32	30	29	27	26	24
		SUCTION PRESSURE (PSIG)	52	61	78	94	105	129
		SUCTION TEMPERATURE (°F)	16	21	31	40	45	58
		SUCTION SUPERHEAT (°F)	13	12	11	12	11	13
		OUTDOOR UNIT CURRENT (A)	6.4	6.5	6.7	6.8	6.9	7.1
		COMPRESSOR CURRENT (A)	5.5	5.6	5.7	5.9	6.0	6.2
		INDOOR COIL DB TEMP RISE (°F)	10	12	18	18	20	23

Continued on next page.

YHJF24S41S1 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	600	LIQUID PRESSURE (PSIG)	343	352	383	402	420	447
		LIQUID TEMPERATURE (°F)	66	70	77	83	88	97
		LIQUID SUBCOOLING (°F)	40	37	37	34	33	28
		SUCTION PRESSURE (PSIG)	54	63	81	96	108	133
		SUCTION TEMPERATURE (°F)	18	23	33	41	46	57
		SUCTION SUPERHEAT (°F)	14	13	12	12	11	11
		OUTDOOR UNIT CURRENT (A)	7.7	7.8	8.2	8.5	8.8	9.2
		COMPRESSOR CURRENT (A)	6.8	6.9	7.3	7.6	7.9	8.3
		INDOOR COIL DB TEMP RISE (°F)	15	15	26	26	30	34
	800	LIQUID PRESSURE (PSIG)	327	334	359	376	390	412
		LIQUID TEMPERATURE (°F)	66	69	76	81	85	92
		LIQUID SUBCOOLING (°F)	36	35	33	31	30	27
		SUCTION PRESSURE (PSIG)	53	62	80	96	107	132
		SUCTION TEMPERATURE (°F)	17	22	33	41	46	57
		SUCTION SUPERHEAT (°F)	14	12	12	12	11	11
		OUTDOOR UNIT CURRENT (A)	7.4	7.5	7.8	8.0	4.3	8.5
		COMPRESSOR CURRENT (A)	6.5	6.6	6.9	7.1	7.3	7.6
		INDOOR COIL DB TEMP RISE (°F)	12	12	21	21	24	28
	1000	LIQUID PRESSURE (PSIG)	312	316	335	349	360	378
		LIQUID TEMPERATURE (°F)	65	68	74	78	81	88
		LIQUID SUBCOOLING (°F)	34	32	30	29	28	25
		SUCTION PRESSURE (PSIG)	53	61	80	96	106	131
		SUCTION TEMPERATURE (°F)	17	21	33	41	46	58
		SUCTION SUPERHEAT (°F)	14	12	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	7.1	7.2	7.3	7.5	7.6	7.9
		COMPRESSOR CURRENT (A)	6.2	6.3	6.4	6.6	6.7	7.0
		INDOOR COIL DB TEMP RISE (°F)	9	10	17	17	19	22

FOR USE WITH MODELS:**YHJF30S41S1****THJF30S41S3****THGF30S41S3****RHP14J304S21**

YHJF30S41S1 SUPERHEAT CHARGING CHART															
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE														
	120	124	129	133	137	141	145	146	149	154	158	162	166	169	174
	TEMPERATURE (°F) AT SUCTION BASE VALVE														
65	44	47	51	58	66	76	86	88	..	..	..	..	..	..	..
70	44	46	50	56	63	71	80	81	91	..	..	..	..	..	..
75	..	46	49	54	60	67	75	76	85	..	..	..	..	..	..
80	..	46	49	53	59	66	72	73	80	90	..	..	..	..	..
85	..	..	49	52	56	62	68	69	75	84	..	..	..	..	..
90	..	..	48	51	56	61	66	67	72	80	88	..	..	..	..
95	..	..	..	51	54	58	63	63	68	75	83	..	..	..	..
100	..	..	..	50	53	57	61	62	67	73	81	89	..	..	..
105	..	..	..	..	53	56	59	60	64	70	77	85	..	..	..
110	..	..	..	..	52	55	58	59	63	68	75	82	..	..	..
115	..	..	..	..	..	54	57	57	60	65	71	78	..	..	..
120	..	..	..	..	..	54	56	56	59	63	69	75	..	..	..
125	..	..	..	..	..	..	56	56	58	62	66	72	..	..	..

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

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

YHJF30S41S1 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJF30S41S1	35	107	26.8	1.01	24.9	1.15	22.9	1.29	21.0	1.42	19.0	1.56	17.0	1.70	15.1	1.84
	40	119	29.7	1.23	27.8	1.36	25.8	1.50	23.8	1.63	21.8	1.76	19.8	1.90	17.8	2.03
	45	130	32.6	1.45	30.6	1.58	28.6	1.71	26.6	1.84	24.6	1.96	22.6	2.09	20.6	2.22
	50	143	35.5	1.66	33.5	1.79	31.5	1.91	29.4	2.04	27.4	2.17	25.4	2.29	23.3	2.42
	55	156	38.4	1.88	36.4	2.00	34.3	2.12	32.3	2.25	30.2	2.37	28.1	2.49	26.1	2.61

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJF30S41S1 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	224	266	307	349	397	445	493
		LIQUID TEMPERATURE (°F)	69	79	89	99	110	121	132
		LIQUID SUBCOOLING (°F)	8	9	9	8	6	4	1
		SUCTION PRESSURE (PSIG)	124	127	130	132	136	139	142
		SUCTION TEMPERATURE (°F)	46	48	49	50	52	53	55
		SUCTION SUPERHEAT (°F)	4	4	4	4	5	4	5
		OUTDOOR UNIT CURRENT (A)	6.5	7.3	8.0	8.7	9.7	10.6	11.5
		COMPRESSOR CURRENT (A)	5.3	6.1	6.8	7.5	8.5	9.4	10.3
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	20	19
	1000	LIQUID PRESSURE (PSIG)	229	269	309	349	397	446	495
		LIQUID TEMPERATURE (°F)	69	79	89	99	110	121	132
		LIQUID SUBCOOLING (°F)	9	10	9	8	6	4	1
		SUCTION PRESSURE (PSIG)	129	132	134	137	139	142	145
		SUCTION TEMPERATURE (°F)	53	53	53	54	54	55	55
		SUCTION SUPERHEAT (°F)	8	7	6	6	5	5	4
		OUTDOOR UNIT CURRENT (A)	6.7	7.3	8.0	8.6	9.6	10.7	11.7
		COMPRESSOR CURRENT (A)	5.5	6.1	6.8	7.4	8.4	9.5	10.5
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	18	18
	1200	LIQUID PRESSURE (PSIG)	235	273	311	348	398	447	496
		LIQUID TEMPERATURE (°F)	68	79	89	99	110	121	131
		LIQUID SUBCOOLING (°F)	12	11	10	8	6	4	2
		SUCTION PRESSURE (PSIG)	135	137	139	141	143	146	148
		SUCTION TEMPERATURE (°F)	59	58	57	57	57	56	56
		SUCTION SUPERHEAT (°F)	12	10	8	8	7	5	4
		OUTDOOR UNIT CURRENT (A)	6.8	7.4	7.9	8.5	9.6	10.7	11.8
		COMPRESSOR CURRENT (A)	5.6	6.2	6.7	7.3	8.4	9.5	10.6
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	17	16
80/62	800	LIQUID PRESSURE (PSIG)	224	266	308	349	397	445	493
		LIQUID TEMPERATURE (°F)	69	79	89	99	110	121	133
		LIQUID SUBCOOLING (°F)	8	9	9	8	6	4	0
		SUCTION PRESSURE (PSIG)	124	127	130	132	135	139	142
		SUCTION TEMPERATURE (°F)	47	48	49	50	52	53	55
		SUCTION SUPERHEAT (°F)	5	4	4	4	5	4	5
		OUTDOOR UNIT CURRENT (A)	6.5	7.3	8.0	8.7	9.7	10.6	11.5
		COMPRESSOR CURRENT (A)	5.3	6.1	6.8	7.5	8.5	9.4	10.3
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23
	1000	LIQUID PRESSURE (PSIG)	229	269	309	349	398	447	496
		LIQUID TEMPERATURE (°F)	69	79	89	99	110	121	132
		LIQUID SUBCOOLING (°F)	9	10	9	8	6	4	1
		SUCTION PRESSURE (PSIG)	129	132	134	137	141	146	151
		SUCTION TEMPERATURE (°F)	53	53	53	54	56	59	61
		SUCTION SUPERHEAT (°F)	8	7	6	6	7	8	8
		OUTDOOR UNIT CURRENT (A)	6.7	7.3	8.0	8.6	9.6	10.7	11.7
		COMPRESSOR CURRENT (A)	5.5	6.1	6.8	7.4	8.4	9.5	10.5
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20
	1200	LIQUID PRESSURE (PSIG)	235	273	311	348	399	449	500
		LIQUID TEMPERATURE (°F)	68	79	89	99	110	120	130
		LIQUID SUBCOOLING (°F)	12	11	10	8	7	6	4
		SUCTION PRESSURE (PSIG)	135	137	139	141	147	153	159
		SUCTION TEMPERATURE (°F)	59	58	57	57	60	64	68
		SUCTION SUPERHEAT (°F)	12	10	8	8	8	10	12
		OUTDOOR UNIT CURRENT (A)	6.8	7.4	7.9	8.5	9.6	10.8	11.9
		COMPRESSOR CURRENT (A)	5.6	6.2	6.7	7.3	8.4	9.6	10.7
		INDOOR COIL DB TEMP DROP (°F)	24	23	21	20	19	19	18

Continued on next page.

YHJF30S41S1 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	800	LIQUID PRESSURE (PSIG)	236	274	312	350	399	448	498
		LIQUID TEMPERATURE (°F)	68	78	89	99	110	120	131
		LIQUID SUBCOOLING (°F)	12	12	10	8	7	5	3
		SUCTION PRESSURE (PSIG)	136	138	141	143	147	150	153
		SUCTION TEMPERATURE (°F)	58	59	60	61	60	58	57
		SUCTION SUPERHEAT (°F)	11	11	11	11	8	5	3
		OUTDOOR UNIT CURRENT (A)	6.6	7.4	8.1	8.9	9.9	10.9	11.9
		COMPRESSOR CURRENT (A)	5.4	6.2	6.9	7.7	8.7	9.7	10.7
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	21	20
	1000	LIQUID PRESSURE (PSIG)	231	272	312	353	401	449	498
		LIQUID TEMPERATURE (°F)	68	78	88	99	109	120	131
		LIQUID SUBCOOLING (°F)	11	12	11	9	8	6	3
		SUCTION PRESSURE (PSIG)	139	142	145	148	151	154	157
		SUCTION TEMPERATURE (°F)	71	70	69	68	67	66	65
		SUCTION SUPERHEAT (°F)	22	20	18	16	14	12	10
		OUTDOOR UNIT CURRENT (A)	6.5	7.3	8.1	8.9	9.9	10.9	11.9
		COMPRESSOR CURRENT (A)	5.3	6.1	6.9	7.7	8.7	9.7	10.7
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	19	18
	1200	LIQUID PRESSURE (PSIG)	227	270	313	356	404	451	498
		LIQUID TEMPERATURE (°F)	67	78	88	98	109	120	131
		LIQUID SUBCOOLING (°F)	11	11	11	10	9	6	3
		SUCTION PRESSURE (PSIG)	142	146	149	153	156	158	161
		SUCTION TEMPERATURE (°F)	84	81	77	74	74	74	74
		SUCTION SUPERHEAT (°F)	34	30	25	20	19	18	17
		OUTDOOR UNIT CURRENT (A)	6.4	7.3	8.1	8.9	9.9	10.9	12.0
		COMPRESSOR CURRENT (A)	5.3	6.1	6.9	7.7	8.7	9.7	10.7
		INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	17	17	16
80/72	800	LIQUID PRESSURE (PSIG)	228	271	314	357	406	455	504
		LIQUID TEMPERATURE (°F)	67	78	88	98	109	119	129
		LIQUID SUBCOOLING (°F)	11	11	11	10	9	8	6
		SUCTION PRESSURE (PSIG)	142	146	150	155	159	162	166
		SUCTION TEMPERATURE (°F)	81	79	78	77	78	78	79
		SUCTION SUPERHEAT (°F)	31	28	25	22	22	21	20
		OUTDOOR UNIT CURRENT (A)	6.5	7.3	8.1	8.9	10.0	11.0	12.1
		COMPRESSOR CURRENT (A)	5.3	6.1	6.9	7.7	8.8	9.8	10.8
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	18	17	16	15
	1000	LIQUID PRESSURE (PSIG)	230	273	315	358	407	456	506
		LIQUID TEMPERATURE (°F)	67	78	88	98	109	119	129
		LIQUID SUBCOOLING (°F)	12	12	12	11	9	8	6
		SUCTION PRESSURE (PSIG)	145	149	153	158	162	165	169
		SUCTION TEMPERATURE (°F)	85	85	84	84	84	84	84
		SUCTION SUPERHEAT (°F)	34	33	30	28	27	26	24
		OUTDOOR UNIT CURRENT (A)	6.5	7.3	8.1	8.9	10.0	11.0	12.1
		COMPRESSOR CURRENT (A)	5.3	6.1	6.9	7.7	8.8	9.8	10.8
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	15	15	14	14
	1200	LIQUID PRESSURE (PSIG)	232	274	317	359	408	458	507
		LIQUID TEMPERATURE (°F)	67	78	88	98	108	119	129
		LIQUID SUBCOOLING (°F)	12	12	12	11	10	8	6
		SUCTION PRESSURE (PSIG)	148	152	157	161	165	168	172
		SUCTION TEMPERATURE (°F)	90	90	90	90	90	90	90
		SUCTION SUPERHEAT (°F)	38	36	35	33	32	31	29
		OUTDOOR UNIT CURRENT (A)	6.5	7.3	8.1	9.0	10.0	11.0	12.0
		COMPRESSOR CURRENT (A)	5.3	6.1	6.9	7.8	8.8	9.8	10.8
		INDOOR COIL DB TEMP DROP (°F)	14	13	13	13	13	12	12

YHJF30S41S1 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	800	LIQUID PRESSURE (PSIG)	278	285	305	323	334	362
		LIQUID TEMPERATURE (°F)	49	52	58	64	68	76
		LIQUID SUBCOOLING (°F)	42	41	39	37	36	33
		SUCTION PRESSURE (PSIG)	53	63	82	98	111	136
		SUCTION TEMPERATURE (°F)	15	20	32	40	46	58
		SUCTION SUPERHEAT (°F)	12	10	10	10	9	11
		OUTDOOR UNIT CURRENT (A)	8.0	8.1	8.4	8.6	8.8	9.2
		COMPRESSOR CURRENT (A)	6.7	6.8	7.1	7.4	7.5	7.9
		INDOOR COIL DB TEMP RISE (°F)	18	21	30	30	34	40
	1000	LIQUID PRESSURE (PSIG)	263	269	286	300	309	333
		LIQUID TEMPERATURE (°F)	49	52	57	62	66	72
		LIQUID SUBCOOLING (°F)	38	37	36	34	32	31
		SUCTION PRESSURE (PSIG)	53	62	81	98	110	135
		SUCTION TEMPERATURE (°F)	14	20	32	40	46	59
		SUCTION SUPERHEAT (°F)	11	10	11	10	10	12
		OUTDOOR UNIT CURRENT (A)	7.7	7.8	8.0	8.2	8.3	8.6
		COMPRESSOR CURRENT (A)	6.4	6.5	6.7	6.9	7.0	7.4
		INDOOR COIL DB TEMP RISE (°F)	15	17	25	25	28	33
	1200	LIQUID PRESSURE (PSIG)	247	254	267	277	285	304
		LIQUID TEMPERATURE (°F)	48	51	56	60	63	68
		LIQUID SUBCOOLING (°F)	35	34	32	31	30	29
		SUCTION PRESSURE (PSIG)	53	62	81	97	110	134
		SUCTION TEMPERATURE (°F)	14	20	32	40	47	59
		SUCTION SUPERHEAT (°F)	11	10	11	10	11	12
		OUTDOOR UNIT CURRENT (A)	7.4	7.5	7.5	7.7	7.8	8.0
		COMPRESSOR CURRENT (A)	6.1	6.2	6.3	6.4	6.5	6.8
		INDOOR COIL DB TEMP RISE (°F)	12	14	20	20	23	27
70	800	LIQUID PRESSURE (PSIG)	317	329	350	370	384	412
		LIQUID TEMPERATURE (°F)	55	59	66	71	75	83
		LIQUID SUBCOOLING (°F)	45	44	41	40	39	36
		SUCTION PRESSURE (PSIG)	54	63	83	99	112	137
		SUCTION TEMPERATURE (°F)	16	21	32	40	46	58
		SUCTION SUPERHEAT (°F)	12	11	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	8.9	9.2	9.4	9.7	9.9	10.0
		COMPRESSOR CURRENT (A)	7.6	7.9	8.2	8.5	8.7	9.1
		INDOOR COIL DB TEMP RISE (°F)	16	19	29	29	33	38
	1000	LIQUID PRESSURE (PSIG)	302	312	329	345	357	381
		LIQUID TEMPERATURE (°F)	55	59	65	70	73	79
		LIQUID SUBCOOLING (°F)	42	40	38	36	35	34
		SUCTION PRESSURE (PSIG)	53	63	82	99	111	136
		SUCTION TEMPERATURE (°F)	16	21	32	40	46	59
		SUCTION SUPERHEAT (°F)	13	11	10	9	9	12
		OUTDOOR UNIT CURRENT (A)	8.6	8.8	9.0	9.1	9.3	9.7
		COMPRESSOR CURRENT (A)	7.3	7.4	7.7	7.9	8.1	8.4
		INDOOR COIL DB TEMP RISE (°F)	14	16	25	25	27	32
	1200	LIQUID PRESSURE (PSIG)	287	295	309	320	331	350
		LIQUID TEMPERATURE (°F)	55	59	64	68	71	76
		LIQUID SUBCOOLING (°F)	38	36	34	33	32	31
		SUCTION PRESSURE (PSIG)	53	62	82	98	111	135
		SUCTION TEMPERATURE (°F)	15	21	32	40	47	59
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	12
		OUTDOOR UNIT CURRENT (A)	8.3	8.4	8.5	8.6	8.7	8.9
		COMPRESSOR CURRENT (A)	6.9	7.0	7.2	7.3	7.5	7.7
		INDOOR COIL DB TEMP RISE (°F)	11	13	20	20	22	26

Continued on next page.

YHJF30S41S1 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	800	LIQUID PRESSURE (PSIG)	355	373	395	418	435	462
		LIQUID TEMPERATURE (°F)	62	66	74	79	82	90
		LIQUID SUBCOOLING (°F)	46	46	42	41	41	38
		SUCTION PRESSURE (PSIG)	54	63	83	100	113	139
		SUCTION TEMPERATURE (°F)	17	22	33	41	46	58
		SUCTION SUPERHEAT (°F)	13	12	10	10	8	9
		OUTDOOR UNIT CURRENT (A)	9.8	10.0	10.0	10.0	11.0	11.0
		COMPRESSOR CURRENT (A)	8.5	8.9	9.2	9.6	9.8	0.3
		INDOOR COIL DB TEMP RISE (°F)	15	18	28	28	31	37
	1000	LIQUID PRESSURE (PSIG)	341	354	373	391	405	429
		LIQUID TEMPERATURE (°F)	62	66	73	77	80	87
		LIQUID SUBCOOLING (°F)	43	42	39	38	38	35
		SUCTION PRESSURE (PSIG)	54	63	83	100	112	138
		SUCTION TEMPERATURE (°F)	17	22	32	41	46	58
		SUCTION SUPERHEAT (°F)	13	12	9	10	9	10
		OUTDOOR UNIT CURRENT (A)	9.5	9.7	10.0	10.0	10.0	10.0
		COMPRESSOR CURRENT (A)	8.1	8.4	8.7	8.8	9.1	9.5
		INDOOR COIL DB TEMP RISE (°F)	12	15	24	24	26	31
	1200	LIQUID PRESSURE (PSIG)	327	336	350	364	376	395
		LIQUID TEMPERATURE (°F)	63	66	72	76	78	84
		LIQUID SUBCOOLING (°F)	39	38	35	34	34	32
		SUCTION PRESSURE (PSIG)	54	63	82	99	112	137
		SUCTION TEMPERATURE (°F)	16	22	32	41	46	58
		SUCTION SUPERHEAT (°F)	12	12	10	10	9	10
		OUTDOOR UNIT CURRENT (A)	9.1	9.2	9.4	9.4	9.7	9.8
		COMPRESSOR CURRENT (A)	7.8	7.9	8.2	8.1	8.4	8.6
		INDOOR COIL DB TEMP RISE (°F)	10	12	19	19	21	25

FOR USE WITH MODELS:

YHJF36S41S4
THJF36S41S4
THGF36S41S4
RHP14J364S21

YHJF36S41S4 SUPERHEAT CHARGING CHART															
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE														
	110	114	119	123	127	131	136	140	144	149	153	157	161	166	170
	TEMPERATURE (°F) AT SUCTION BASE VALVE														
65	42	44	47	52	58	64	72	..	..	..	..	..	..	..	..
70	..	42	45	49	54	60	66	74	..	..	..	..	..	..	..
75	..	..	43	46	51	56	62	68	75	..	..	..	..	..	..
80	..	..	..	44	48	53	58	64	70	..	..	..	..	..	..
85	..	..		41	45	49	54	59	65	71	..	..	..	..	..
90	..	..	..	..	43	47	51	56	61	66	72	..	..	..	..
95	..	..	..	..	..	44	48	52	57	62	67	73	..	..	..
100	..	..	..	..	..	..	46	50	54	59	64	70	..	..	..
105	..	..	..	..	..	..	45	47	51	55	60	66	..	..	..
110	..	..	..	..	..	..	..	47	49	53	57	63	..	..	..
115	..	..	..	..	..	..	..	47	48	50	53	59	..	..	..
120	..	..	..	..	..	..	..	..	48	48	51	55	..	..	..
125	..	..	..	..	..	..	..	..	49	48	49	52	..	..	..

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

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

YHJF36S41S4 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJF36S41S4	35	107	38.4	1.79	34.5	1.82	30.5	1.86	26.6	1.89	21.6	1.92	16.5	1.96	11.5	1.99
	40	119	41.1	2.04	37.5	2.09	33.8	2.14	30.1	2.19	25.2	2.24	20.3	2.29	15.3	2.34
	45	130	44.1	2.32	40.7	2.38	37.2	2.44	33.8	2.50	29.0	2.56	24.2	2.62	19.4	2.68
	50	143	47.2	2.61	44.0	2.68	40.9	2.75	37.8	2.83	33.1	2.88	28.5	2.93	23.8	3.05
	55	156	50.1	2.88	47.2	2.97	44.4	3.05	41.5	3.14	37.0	3.20	32.5	3.25	28.0	3.41

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJF36S41S4 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	980	LIQUID PRESSURE (PSIG)	235	276	316	357	403	449	495
		LIQUID TEMPERATURE (°F)	73	83	94	105	112	120	128
		LIQUID SUBCOOLING (°F)	7	7	6	4	5	5	5
		SUCTION PRESSURE (PSIG)	117	121	125	129	133	137	141
		SUCTION TEMPERATURE (°F)	63	60	57	54	56	58	60
		SUCTION SUPERHEAT (°F)	24	19	14	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	9.4	10.1	10.9	11.6	12.2	12.8	13.4
		COMPRESSOR CURRENT (A)	8.2	8.9	9.7	10.4	11.0	11.6	12.2
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	20	19	18
	1180	LIQUID PRESSURE (PSIG)	238	278	319	360	406	453	499
		LIQUID TEMPERATURE (°F)	71	82	93	104	114	123	132
		LIQUID SUBCOOLING (°F)	9	9	7	5	4	3	2
		SUCTION PRESSURE (PSIG)	121	124	128	132	136	140	144
		SUCTION TEMPERATURE (°F)	67	64	61	59	59	60	60
		SUCTION SUPERHEAT (°F)	26	21	17	13	12	11	10
		OUTDOOR UNIT CURRENT (A)	9.4	10.2	11.0	11.7	12.4	13.0	13.6
		COMPRESSOR CURRENT (A)	8.3	9.0	9.8	10.5	11.2	11.8	12.4
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	16
	1380	LIQUID PRESSURE (PSIG)	240	281	322	362	409	456	503
		LIQUID TEMPERATURE (°F)	69	81	93	104	115	125	136
		LIQUID SUBCOOLING (°F)	12	11	8	5	4	1	-1
		SUCTION PRESSURE (PSIG)	125	128	132	135	139	143	147
		SUCTION TEMPERATURE (°F)	70	68	66	64	62	61	60
		SUCTION SUPERHEAT (°F)	28	24	20	16	14	11	8
		OUTDOOR UNIT CURRENT (A)	9.5	10.3	11.1	11.9	12.5	13.2	13.9
		COMPRESSOR CURRENT (A)	8.3	9.1	9.9	10.7	11.3	12.0	12.6
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	18	17	16	15
80/62	980	LIQUID PRESSURE (PSIG)	234	275	316	357	404	451	498
		LIQUID TEMPERATURE (°F)	73	83	94	105	114	123	132
		LIQUID SUBCOOLING (°F)	7	7	6	4	4	3	2
		SUCTION PRESSURE (PSIG)	116	120	124	128	134	140	145
		SUCTION TEMPERATURE (°F)	62	60	57	54	57	59	62
		SUCTION SUPERHEAT (°F)	23	19	14	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	9.4	10.1	10.9	11.6	12.3	12.9	13.6
		COMPRESSOR CURRENT (A)	8.2	8.9	9.7	10.4	11.1	11.7	12.3
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	24	23	21
	1180	LIQUID PRESSURE (PSIG)	237	278	319	360	405	450	495
		LIQUID TEMPERATURE (°F)	71	82	93	104	114	124	133
		LIQUID SUBCOOLING (°F)	9	9	7	5	4	2	0
		SUCTION PRESSURE (PSIG)	120	124	128	132	138	145	151
		SUCTION TEMPERATURE (°F)	67	64	61	57	60	64	67
		SUCTION SUPERHEAT (°F)	26	21	16	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	9.5	10.2	10.9	11.6	12.3	13.0	13.7
		COMPRESSOR CURRENT (A)	8.3	9.0	9.7	10.5	11.1	11.8	12.5
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	23	22	20	19
	1380	LIQUID PRESSURE (PSIG)	240	281	322	362	405	448	491
		LIQUID TEMPERATURE (°F)	70	81	93	104	114	124	134
		LIQUID SUBCOOLING (°F)	12	10	8	5	3	1	-2
		SUCTION PRESSURE (PSIG)	124	128	132	136	143	150	157
		SUCTION TEMPERATURE (°F)	72	68	65	61	64	68	71
		SUCTION SUPERHEAT (°F)	29	24	19	14	14	15	16
		OUTDOOR UNIT CURRENT (A)	9.5	10.3	11.0	11.7	12.4	13.2	13.9
		COMPRESSOR CURRENT (A)	8.4	9.1	9.8	10.5	11.2	11.9	12.7
		INDOOR COIL DB TEMP DROP (°F)	25	24	22	21	20	18	17

Continued on next page.

YHJF36S41S4 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	980	LIQUID PRESSURE (PSIG)	240	282	323	365	407	448	489
		LIQUID TEMPERATURE (°F)	70	81	92	103	114	125	135
		LIQUID SUBCOOLING (°F)	11	11	10	7	4	1	-3
		SUCTION PRESSURE (PSIG)	125	130	134	139	143	148	152
		SUCTION TEMPERATURE (°F)	76	73	69	65	64	63	63
		SUCTION SUPERHEAT (°F)	33	28	22	16	14	11	9
		OUTDOOR UNIT CURRENT (A)	9.4	10.3	11.1	11.9	12.8	13.6	14.4
		COMPRESSOR CURRENT (A)	8.3	9.1	9.9	10.8	11.6	12.4	13.2
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	18
	1180	LIQUID PRESSURE (PSIG)	243	285	326	368	409	449	490
		LIQUID TEMPERATURE (°F)	70	81	91	102	113	124	135
		LIQUID SUBCOOLING (°F)	12	12	11	9	5	1	-3
		SUCTION PRESSURE (PSIG)	129	133	138	143	147	151	155
		SUCTION TEMPERATURE (°F)	82	79	75	71	71	70	69
		SUCTION SUPERHEAT (°F)	38	32	27	21	19	17	15
		OUTDOOR UNIT CURRENT (A)	9.5	10.3	11.2	12.1	12.9	13.7	14.5
		COMPRESSOR CURRENT (A)	8.3	9.2	10.0	10.9	11.7	12.5	13.3
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	17
	1380	LIQUID PRESSURE (PSIG)	246	288	329	371	411	451	490
		LIQUID TEMPERATURE (°F)	70	81	91	101	112	124	135
		LIQUID SUBCOOLING (°F)	13	13	12	10	6	2	-2
		SUCTION PRESSURE (PSIG)	132	137	142	147	151	154	158
		SUCTION TEMPERATURE (°F)	89	85	81	78	77	77	76
		SUCTION SUPERHEAT (°F)	43	37	32	26	24	23	21
		OUTDOOR UNIT CURRENT (A)	9.5	10.4	11.3	12.3	13.0	13.8	14.6
		COMPRESSOR CURRENT (A)	8.3	9.2	10.1	11.0	11.8	12.6	13.4
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	18	17	16	16
80/72	980	LIQUID PRESSURE (PSIG)	246	288	331	374	415	456	497
		LIQUID TEMPERATURE (°F)	71	81	91	101	111	121	131
		LIQUID SUBCOOLING (°F)	12	13	12	11	9	6	3
		SUCTION PRESSURE (PSIG)	132	138	144	150	155	159	164
		SUCTION TEMPERATURE (°F)	89	87	85	83	82	81	79
		SUCTION SUPERHEAT (°F)	43	39	34	30	27	24	22
		OUTDOOR UNIT CURRENT (A)	9.5	10.4	11.4	12.4	13.2	14.0	14.9
		COMPRESSOR CURRENT (A)	8.3	9.2	10.2	11.2	12.0	12.8	13.6
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	18	17	16	15
	1180	LIQUID PRESSURE (PSIG)	253	291	330	368	414	459	505
		LIQUID TEMPERATURE (°F)	71	80	90	100	110	120	130
		LIQUID SUBCOOLING (°F)	14	14	12	11	9	7	5
		SUCTION PRESSURE (PSIG)	136	141	146	151	157	162	168
		SUCTION TEMPERATURE (°F)	92	91	90	90	88	86	84
		SUCTION SUPERHEAT (°F)	44	42	39	37	32	28	24
		OUTDOOR UNIT CURRENT (A)	9.6	10.5	11.4	12.3	13.2	14.1	15.1
		COMPRESSOR CURRENT (A)	8.4	9.3	10.2	11.1	12.0	12.9	13.8
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	16	15	14	13
	1380	LIQUID PRESSURE (PSIG)	260	294	328	362	412	463	513
		LIQUID TEMPERATURE (°F)	71	80	90	99	109	119	129
		LIQUID SUBCOOLING (°F)	16	15	13	10	10	9	7
		SUCTION PRESSURE (PSIG)	140	144	148	152	159	166	173
		SUCTION TEMPERATURE (°F)	94	95	96	97	94	91	88
		SUCTION SUPERHEAT (°F)	45	45	44	43	38	32	27
		OUTDOOR UNIT CURRENT (A)	9.7	10.5	11.3	12.2	13.2	14.2	15.3
		COMPRESSOR CURRENT (A)	8.5	9.3	10.2	11.0	12.0	13.0	14.0
		INDOOR COIL DB TEMP DROP (°F)	16	16	15	14	13	13	12

YHJF36S41S4 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1000	LIQUID PRESSURE (PSIG)	258	273	299	317	327	360
		LIQUID TEMPERATURE (°F)	51	55	59	62	67	75
		LIQUID SUBCOOLING (°F)	35	35	37	38	35	34
		SUCTION PRESSURE (PSIG)	53	62	79	93	108	133
		SUCTION TEMPERATURE (°F)	13	19	29	35	43	56
		SUCTION SUPERHEAT (°F)	10	9	9	7	8	10
		OUTDOOR UNIT CURRENT (A)	7.2	7.8	8.6	9.2	9.6	10.7
		COMPRESSOR CURRENT (A)	7.1	7.7	8.5	9.1	9.5	10.6
		INDOOR COIL DB TEMP RISE (°F)	16	19	28	28	32	38
	1200	LIQUID PRESSURE (PSIG)	248	261	283	299	309	339
		LIQUID TEMPERATURE (°F)	51	54	58	61	66	71
		LIQUID SUBCOOLING (°F)	32	33	34	35	32	34
		SUCTION PRESSURE (PSIG)	53	61	79	93	107	131
		SUCTION TEMPERATURE (°F)	13	19	29	36	43	56
		SUCTION SUPERHEAT (°F)	10	10	9	8	8	11
		OUTDOOR UNIT CURRENT (A)	7.2	7.7	8.4	8.9	9.3	10.2
		COMPRESSOR CURRENT (A)	7.1	7.6	8.3	8.8	9.2	10.1
		INDOOR COIL DB TEMP RISE (°F)	14	16	24	24	28	33
	1400	LIQUID PRESSURE (PSIG)	239	249	267	281	291	318
		LIQUID TEMPERATURE (°F)	51	53	58	60	64	68
		LIQUID SUBCOOLING (°F)	30	31	30	32	30	32
		SUCTION PRESSURE (PSIG)	52	60	79	93	106	129
		SUCTION TEMPERATURE (°F)	13	18	28	36	44	57
		SUCTION SUPERHEAT (°F)	10	10	8	8	10	12
		OUTDOOR UNIT CURRENT (A)	7.1	7.6	8.2	8.6	9.0	9.7
		COMPRESSOR CURRENT (A)	7.0	7.5	8.1	8.5	8.9	9.7
		INDOOR COIL DB TEMP RISE (°F)	12	14	21	21	23	28
70	1000	LIQUID PRESSURE (PSIG)	294	311	340	359	372	401
		LIQUID TEMPERATURE (°F)	58	62	67	71	75	83
		LIQUID SUBCOOLING (°F)	37	37	38	38	36	34
		SUCTION PRESSURE (PSIG)	54	63	80	96	109	136
		SUCTION TEMPERATURE (°F)	14	20	30	37	44	56
		SUCTION SUPERHEAT (°F)	10	10	9	8	8	9
		OUTDOOR UNIT CURRENT (A)	7.4	8.0	9.1	9.7	10.2	11.3
		COMPRESSOR CURRENT (A)	7.3	7.9	9.0	9.6	10.1	11.2
		INDOOR COIL DB TEMP RISE (°F)	14	17	26	26	30	36
	1200	LIQUID PRESSURE (PSIG)	284	299	324	341	353	380
		LIQUID TEMPERATURE (°F)	58	62	66	70	73	79
		LIQUID SUBCOOLING (°F)	34	34	36	35	35	34
		SUCTION PRESSURE (PSIG)	53	62	80	95	108	134
		SUCTION TEMPERATURE (°F)	13	19	29	37	44	56
		SUCTION SUPERHEAT (°F)	10	9	8	8	9	9
		OUTDOOR UNIT CURRENT (A)	7.3	7.9	8.9	9.5	6.5	10.9
		COMPRESSOR CURRENT (A)	7.2	7.8	8.8	9.4	9.8	10.9
		INDOOR COIL DB TEMP RISE (°F)	13	15	23	23	26	32
	1400	LIQUID PRESSURE (PSIG)	275	286	308	323	333	358
		LIQUID TEMPERATURE (°F)	58	61	66	69	72	76
		LIQUID SUBCOOLING (°F)	32	32	32	32	31	33
		SUCTION PRESSURE (PSIG)	53	61	80	95	108	132
		SUCTION TEMPERATURE (°F)	13	19	29	37	44	57
		SUCTION SUPERHEAT (°F)	10	10	8	8	9	11
		OUTDOOR UNIT CURRENT (A)	7.2	7.8	8.7	9.2	9.7	10.5
		COMPRESSOR CURRENT (A)	7.1	7.7	8.6	9.1	9.6	10.5
		INDOOR COIL DB TEMP RISE (°F)	11	13	20	20	22	27

Continued on next page.

YHJF36S41S4 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1000	LIQUID PRESSURE (PSIG)	330	349	381	401	416	442
		LIQUID TEMPERATURE (°F)	66	69	75	79	82	90
		LIQUID SUBCOOLING (°F)	37	38	38	38	38	34
		SUCTION PRESSURE (PSIG)	54	64	82	98	110	138
		SUCTION TEMPERATURE (°F)	15	20	31	39	44	56
		SUCTION SUPERHEAT (°F)	11	9	9	9	8	8
		OUTDOOR UNIT CURRENT (A)	7.5	8.2	9.5	10.3	10.8	12.0
		COMPRESSOR CURRENT (A)	7.4	8.1	9.4	10.2	10.7	11.9
		INDOOR COIL DB TEMP RISE (°F)	13	16	25	25	28	34
	1200	LIQUID PRESSURE (PSIG)	320	336	365	383	396	420
		LIQUID TEMPERATURE (°F)	66	69	75	78	81	88
		LIQUID SUBCOOLING (°F)	35	35	35	36	35	33
		SUCTION PRESSURE (PSIG)	54	63	81	98	110	136
		SUCTION TEMPERATURE (°F)	14	20	30	38	44	56
		SUCTION SUPERHEAT (°F)	10	10	9	8	8	9
		OUTDOOR UNIT CURRENT (A)	7.4	8.2	9.4	10.1	3.7	11.7
		COMPRESSOR CURRENT (A)	7.3	8.1	9.3	10.0	10.5	11.6
		INDOOR COIL DB TEMP RISE (°F)	11	14	22	22	24	30
	1400	LIQUID PRESSURE (PSIG)	310	324	349	364	375	398
		LIQUID TEMPERATURE (°F)	66	69	74	78	80	85
		LIQUID SUBCOOLING (°F)	32	33	33	32	32	31
		SUCTION PRESSURE (PSIG)	54	62	81	97	109	135
		SUCTION TEMPERATURE (°F)	14	19	30	38	44	57
		SUCTION SUPERHEAT (°F)	10	9	9	8	8	10
		OUTDOOR UNIT CURRENT (A)	7.4	8.1	9.3	9.8	10.3	11.3
		COMPRESSOR CURRENT (A)	7.3	8.0	9.2	9.7	10.2	11.2
		INDOOR COIL DB TEMP RISE (°F)	10	12	19	19	21	26

FOR USE WITH MODELS:**YHJF42S41S5****THJF42S41S5****THGF42S41S5****RHP14J424S21**

YHJF42S41S5 SUPERHEAT CHARGING CHART															
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE														
	120	124	127	131	134	138	141	145	149	152	156	159	162	166	172
	TEMPERATURE (°F) AT SUCTION BASE VALVE														
65	50	54	58	62	66	69	73	77	81	84	..	..	..	..	..
70	48	52	56	60	64	68	72	76	80	84	..	..	..	..	..
75	..	51	54	58	62	66	70	74	78	83	87	..	..	..	..
80	..	..	53	56	60	64	68	72	77	82	86	..	..	..	..
85	..	..	52	55	58	62	66	70	74	79	85	91	..	..	..
90	..	..	..	54	57	61	64	69	73	78	84	89	..	..	..
95	..	..	..	..	56	58	61	65	70	75	81	88	..	..	..
100	..	..	..	..	56	58	62	66	70	75	81	86	..	..	..
105	..	..	..	..	..	58	61	64	69	73	79	85	..	..	..
110	..	..	..	..	..	57	60	64	68	73	78	84	..	..	..
115	..	..	..	..	..	..	60	63	67	72	77	82	..	..	..
120	..	..	..	..	..	..	59	62	66	71	75	81	..	..	..
125	..	..	..	..	..	..	..	61	65	70	74	80	..	..	..

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

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

YHJF42S41S5 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJF42S41S5	35	107	38.1	1.30	33.8	1.83	29.5	2.36	25.2	2.89	20.9	3.42	16.6	3.95	12.3	4.48
	40	119	42.2	1.58	38.1	2.02	33.9	2.46	29.7	2.90	25.6	3.35	21.4	3.79	17.2	4.23
	45	130	46.4	1.85	42.4	2.21	38.4	2.56	34.3	2.92	30.3	3.27	26.2	3.63	22.2	3.98
	50	143	50.6	2.13	46.7	2.39	42.8	2.66	38.9	2.93	35.0	3.20	31.1	3.46	27.2	3.73
	55	156	54.8	2.40	51.0	2.58	47.3	2.76	43.5	2.94	39.7	3.12	35.9	3.30	32.1	3.48

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJF42S41S5 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	242	285	327	369	423	476	529
		LIQUID TEMPERATURE (°F)	73	84	95	105	115	125	135
		LIQUID SUBCOOLING (°F)	8	9	8	6	6	5	3
		SUCTION PRESSURE (PSIG)	125	127	130	133	137	141	144
		SUCTION TEMPERATURE (°F)	54	52	50	49	50	52	54
		SUCTION SUPERHEAT (°F)	11	8	5	3	3	3	3
		OUTDOOR UNIT CURRENT (A)	9.7	10.8	12.0	13.2	14.8	16.3	17.9
		COMPRESSOR CURRENT (A)	8.5	9.7	10.8	12.0	13.6	15.2	16.8
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1370	LIQUID PRESSURE (PSIG)	244	286	329	371	425	478	531
		LIQUID TEMPERATURE (°F)	74	84	94	105	115	125	135
		LIQUID SUBCOOLING (°F)	9	9	8	6	6	5	3
		SUCTION PRESSURE (PSIG)	127	130	133	136	139	143	147
		SUCTION TEMPERATURE (°F)	58	55	53	50	52	53	55
		SUCTION SUPERHEAT (°F)	15	11	7	3	3	3	3
		OUTDOOR UNIT CURRENT (A)	9.7	10.9	12.1	13.2	14.8	16.4	18.0
		COMPRESSOR CURRENT (A)	8.5	9.7	10.9	12.1	13.7	15.3	16.9
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	17
	1540	LIQUID PRESSURE (PSIG)	245	288	331	374	427	480	534
		LIQUID TEMPERATURE (°F)	74	84	94	105	115	125	135
		LIQUID SUBCOOLING (°F)	9	9	9	7	7	6	4
		SUCTION PRESSURE (PSIG)	129	132	135	138	142	146	149
		SUCTION TEMPERATURE (°F)	63	59	55	51	53	54	56
		SUCTION SUPERHEAT (°F)	19	13	8	3	3	3	3
		OUTDOOR UNIT CURRENT (A)	9.8	10.9	12.1	13.3	14.8	16.4	18.0
		COMPRESSOR CURRENT (A)	8.6	9.8	10.9	12.1	13.7	15.3	16.9
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	16
80/62	1200	LIQUID PRESSURE (PSIG)	242	285	328	371	424	477	530
		LIQUID TEMPERATURE (°F)	73	84	94	105	115	125	135
		LIQUID SUBCOOLING (°F)	9	9	8	6	6	5	3
		SUCTION PRESSURE (PSIG)	124	128	131	135	138	142	146
		SUCTION TEMPERATURE (°F)	54	53	51	49	51	53	55
		SUCTION SUPERHEAT (°F)	12	9	6	2	3	3	3
		OUTDOOR UNIT CURRENT (A)	9.7	10.9	12.0	13.2	14.8	16.4	18.0
		COMPRESSOR CURRENT (A)	8.5	9.7	10.9	12.0	13.6	15.2	16.9
		INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	24	23	22
	1370	LIQUID PRESSURE (PSIG)	244	287	330	373	427	481	536
		LIQUID TEMPERATURE (°F)	73	84	94	105	115	125	135
		LIQUID SUBCOOLING (°F)	9	9	8	7	7	6	4
		SUCTION PRESSURE (PSIG)	126	130	133	137	142	147	152
		SUCTION TEMPERATURE (°F)	59	56	53	51	53	55	57
		SUCTION SUPERHEAT (°F)	16	11	7	3	3	3	3
		OUTDOOR UNIT CURRENT (A)	9.8	10.9	12.1	13.2	14.8	16.5	18.1
		COMPRESSOR CURRENT (A)	8.6	9.7	10.9	12.1	13.7	15.3	17.0
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	22	20
	1540	LIQUID PRESSURE (PSIG)	246	289	332	374	430	485	541
		LIQUID TEMPERATURE (°F)	73	84	94	105	115	125	135
		LIQUID SUBCOOLING (°F)	9	10	9	7	7	7	6
		SUCTION PRESSURE (PSIG)	129	132	136	139	145	151	157
		SUCTION TEMPERATURE (°F)	64	60	56	52	54	56	59
		SUCTION SUPERHEAT (°F)	20	14	9	3	3	3	3
		OUTDOOR UNIT CURRENT (A)	9.8	10.9	12.1	13.3	14.9	16.6	18.2
		COMPRESSOR CURRENT (A)	8.6	9.8	10.9	12.1	13.8	15.4	17.1
		INDOOR COIL DB TEMP DROP (°F)	24	24	24	24	22	20	18

Continued on next page.

YHJF42S41S5 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1200	LIQUID PRESSURE (PSIG)	245	290	335	380	433	486	540
		LIQUID TEMPERATURE (°F)	73	84	94	105	115	125	135
		LIQUID SUBCOOLING (°F)	9	10	9	8	8	7	5
		SUCTION PRESSURE (PSIG)	130	135	140	145	148	152	155
		SUCTION TEMPERATURE (°F)	67	64	61	57	58	58	58
		SUCTION SUPERHEAT (°F)	22	17	12	7	6	5	4
		OUTDOOR UNIT CURRENT (A)	9.8	11.0	12.2	13.4	15.0	16.6	18.2
		COMPRESSOR CURRENT (A)	8.6	9.8	11.0	12.3	13.9	15.5	17.1
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1370	LIQUID PRESSURE (PSIG)	246	291	336	381	435	488	542
		LIQUID TEMPERATURE (°F)	74	84	94	105	115	125	135
		LIQUID SUBCOOLING (°F)	9	10	10	8	8	7	6
		SUCTION PRESSURE (PSIG)	132	137	142	147	150	154	157
		SUCTION TEMPERATURE (°F)	69	66	63	61	60	59	59
		SUCTION SUPERHEAT (°F)	23	18	14	9	7	5	4
		OUTDOOR UNIT CURRENT (A)	9.8	11.0	12.2	13.4	15.0	16.6	18.3
		COMPRESSOR CURRENT (A)	8.6	9.8	11.1	12.3	13.9	15.5	17.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	17
	1540	LIQUID PRESSURE (PSIG)	248	293	338	383	436	490	544
		LIQUID TEMPERATURE (°F)	74	84	94	105	115	125	134
		LIQUID SUBCOOLING (°F)	10	10	10	9	9	8	6
		SUCTION PRESSURE (PSIG)	133	138	144	149	153	156	159
		SUCTION TEMPERATURE (°F)	70	68	66	64	62	61	60
		SUCTION SUPERHEAT (°F)	24	20	15	11	9	6	4
		OUTDOOR UNIT CURRENT (A)	9.8	11.0	12.2	13.4	15.1	16.7	18.3
		COMPRESSOR CURRENT (A)	8.6	9.9	11.1	12.3	13.9	15.6	17.2
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	19	18	17	17
80/72	1200	LIQUID PRESSURE (PSIG)	248	295	341	387	443	498	554
		LIQUID TEMPERATURE (°F)	74	84	94	105	115	125	135
		LIQUID SUBCOOLING (°F)	10	11	11	10	10	9	8
		SUCTION PRESSURE (PSIG)	133	140	146	153	158	163	168
		SUCTION TEMPERATURE (°F)	72	71	69	68	67	65	63
		SUCTION SUPERHEAT (°F)	25	22	18	14	11	7	4
		OUTDOOR UNIT CURRENT (A)	9.9	11.1	12.3	13.6	15.3	17.0	18.6
		COMPRESSOR CURRENT (A)	8.7	9.9	11.2	12.4	14.1	15.8	17.5
		INDOOR COIL DB TEMP DROP (°F)	17	17	17	16	15	15	14
	1370	LIQUID PRESSURE (PSIG)	250	296	343	389	444	500	556
		LIQUID TEMPERATURE (°F)	74	84	94	105	115	125	135
		LIQUID SUBCOOLING (°F)	10	11	11	10	10	9	8
		SUCTION PRESSURE (PSIG)	134	141	148	155	160	165	170
		SUCTION TEMPERATURE (°F)	73	72	71	71	69	67	66
		SUCTION SUPERHEAT (°F)	26	23	19	16	13	9	6
		OUTDOOR UNIT CURRENT (A)	9.9	11.1	12.4	13.6	15.3	17.0	18.7
		COMPRESSOR CURRENT (A)	8.7	10.0	11.2	12.5	14.2	15.9	17.6
		INDOOR COIL DB TEMP DROP (°F)	16	16	15	15	15	14	13
	1540	LIQUID PRESSURE (PSIG)	252	298	344	391	446	502	557
		LIQUID TEMPERATURE (°F)	74	84	95	105	115	125	135
		LIQUID SUBCOOLING (°F)	10	11	11	10	10	10	8
		SUCTION PRESSURE (PSIG)	136	143	150	156	161	167	172
		SUCTION TEMPERATURE (°F)	74	74	73	73	71	70	68
		SUCTION SUPERHEAT (°F)	27	24	21	18	14	11	8
		OUTDOOR UNIT CURRENT (A)	9.9	11.2	12.4	13.6	15.3	17.0	18.7
		COMPRESSOR CURRENT (A)	8.7	10.0	11.2	12.5	14.2	15.9	17.6
		INDOOR COIL DB TEMP DROP (°F)	14	14	14	14	14	13	12

YHJF42S41S5 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1200	LIQUID PRESSURE (PSIG)	258	275	294	309	320	341
		LIQUID TEMPERATURE (°F)	57	60	65	70	74	84
		LIQUID SUBCOOLING (°F)	29	31	29	28	27	21
		SUCTION PRESSURE (PSIG)	48	59	77	91	104	130
		SUCTION TEMPERATURE (°F)	5	15	23	34	40	53
		SUCTION SUPERHEAT (°F)	6	7	4	7	6	8
		OUTDOOR UNIT CURRENT (A)	10.8	11.1	11.5	11.7	12.0	12.5
		COMPRESSOR CURRENT (A)	9.4	9.7	10.2	10.4	10.7	11.2
		INDOOR COIL DB TEMP RISE (°F)	17	20	24	28	31	36
	1370	LIQUID PRESSURE (PSIG)	252	264	282	295	304	323
		LIQUID TEMPERATURE (°F)	57	59	64	68	72	81
		LIQUID SUBCOOLING (°F)	28	28	28	27	25	20
		SUCTION PRESSURE (PSIG)	50	59	75	91	104	130
		SUCTION TEMPERATURE (°F)	7	14	23	34	40	52
		SUCTION SUPERHEAT (°F)	6	7	5	7	7	7
		OUTDOOR UNIT CURRENT (A)	10.6	10.8	11.2	11.3	11.5	12.0
		COMPRESSOR CURRENT (A)	9.3	9.4	9.8	10.1	10.3	10.7
		INDOOR COIL DB TEMP RISE (°F)	15	17	21	25	28	33
	1535	LIQUID PRESSURE (PSIG)	246	252	269	281	288	305
		LIQUID TEMPERATURE (°F)	57	58	62	67	70	78
		LIQUID SUBCOOLING (°F)	26	26	27	25	23	19
		SUCTION PRESSURE (PSIG)	52	58	74	90	104	130
		SUCTION TEMPERATURE (°F)	8	14	23	34	41	52
		SUCTION SUPERHEAT (°F)	5	7	6	7	7	7
		OUTDOOR UNIT CURRENT (A)	10.5	10.5	10.9	11.0	11.1	11.5
		COMPRESSOR CURRENT (A)	9.1	9.1	9.5	9.7	9.8	10.2
		INDOOR COIL DB TEMP RISE (°F)	14	15	19	22	24	29
70	1200	LIQUID PRESSURE (PSIG)	300	314	340	354	364	387
		LIQUID TEMPERATURE (°F)	66	68	73	78	82	91
		LIQUID SUBCOOLING (°F)	30	31	32	30	28	23
		SUCTION PRESSURE (PSIG)	51	59	77	93	105	131
		SUCTION TEMPERATURE (°F)	6	12	24	35	39	53
		SUCTION SUPERHEAT (°F)	4	4	5	7	5	8
		OUTDOOR UNIT CURRENT (A)	12.0	12.2	12.8	13.0	13.2	13.8
		COMPRESSOR CURRENT (A)	10.6	10.8	11.5	11.7	12.0	12.5
		INDOOR COIL DB TEMP RISE (°F)	16	19	24	27	30	35
	1370	LIQUID PRESSURE (PSIG)	292	303	326	340	348	369
		LIQUID TEMPERATURE (°F)	65	67	72	76	80	88
		LIQUID SUBCOOLING (°F)	29	30	30	29	27	23
		SUCTION PRESSURE (PSIG)	51	59	76	92	105	131
		SUCTION TEMPERATURE (°F)	5	12	25	35	40	53
		SUCTION SUPERHEAT (°F)	3	4	6	8	6	8
		OUTDOOR UNIT CURRENT (A)	11.8	11.9	12.5	12.6	12.8	13.3
		COMPRESSOR CURRENT (A)	10.4	10.5	11.1	11.3	11.5	12.0
		INDOOR COIL DB TEMP RISE (°F)	15	17	21	24	27	31
	1535	LIQUID PRESSURE (PSIG)	284	293	313	326	333	351
		LIQUID TEMPERATURE (°F)	64	66	70	75	78	86
		LIQUID SUBCOOLING (°F)	28	29	29	27	25	21
		SUCTION PRESSURE (PSIG)	51	59	75	91	104	130
		SUCTION TEMPERATURE (°F)	5	11	25	35	40	52
		SUCTION SUPERHEAT (°F)	3	3	7	8	7	7
		OUTDOOR UNIT CURRENT (A)	10.1	10.2	10.8	10.9	11.1	11.5
		COMPRESSOR CURRENT (A)	10.1	10.2	10.8	10.9	11.1	11.5
		INDOOR COIL DB TEMP RISE (°F)	13	15	18	21	24	28

Continued on next page.

YHJF42S41S5 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1200	LIQUID PRESSURE (PSIG)	343	352	386	398	407	432
		LIQUID TEMPERATURE (°F)	75	76	81	85	90	98
		LIQUID SUBCOOLING (°F)	31	31	34	31	28	25
		SUCTION PRESSURE (PSIG)	53	60	78	94	106	132
		SUCTION TEMPERATURE (°F)	6	9	26	36	39	54
		SUCTION SUPERHEAT (°F)	2	1	6	8	4	8
		OUTDOOR UNIT CURRENT (A)	13.2	13.3	14.2	14.3	14.5	15.1
		COMPRESSOR CURRENT (A)	11.8	11.9	12.9	13.0	13.2	13.9
		INDOOR COIL DB TEMP RISE (°F)	16	18	23	26	29	33
	1370	LIQUID PRESSURE (PSIG)	333	343	371	384	392	415
		LIQUID TEMPERATURE (°F)	73	75	80	84	88	96
		LIQUID SUBCOOLING (°F)	30	30	32	30	27	24
		SUCTION PRESSURE (PSIG)	51	59	77	93	106	131
		SUCTION TEMPERATURE (°F)	4	9	26	36	39	53
		SUCTION SUPERHEAT (°F)	2	1	7	8	5	8
		OUTDOOR UNIT CURRENT (A)	12.9	13.1	13.8	13.9	3956.0	14.6
		COMPRESSOR CURRENT (A)	11.5	11.7	12.5	12.6	12.8	13.3
		INDOOR COIL DB TEMP RISE (°F)	14	16	20	23	26	30
	1535	LIQUID PRESSURE (PSIG)	323	333	357	370	378	398
		LIQUID TEMPERATURE (°F)	72	74	79	83	86	93
		LIQUID SUBCOOLING (°F)	29	29	30	28	26	23
		SUCTION PRESSURE (PSIG)	50	59	76	92	105	131
		SUCTION TEMPERATURE (°F)	3	9	26	36	39	53
		SUCTION SUPERHEAT (°F)	2	1	8	8	5	7
		OUTDOOR UNIT CURRENT (A)	12.6	12.8	13.4	13.4	13.6	14.1
		COMPRESSOR CURRENT (A)	11.2	11.4	12.0	12.2	12.4	12.8
		INDOOR COIL DB TEMP RISE (°F)	12	14	18	21	23	27

FOR USE WITH MODELS:

YHJF48S41S5
THJF48S41S5
THGF48S41S5
RHP14J484S21

YHJF48S41S5 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			
65	226(6)	227(6)	230(7)	237(12)
70	247(7)	248(7)	251(8)	257(12)
75	268(8)	268(8)	271(9)	278(13)
80	289(8)	289(8)	292(9)	298(13)
85	310(8)	310(8)	313(9)	319(13)
90	331(8)	330(8)	333(9)	340(12)
95	352(8)	351(7)	354(9)	360(12)
100	375(7)	374(7)	377(8)	383(11)
105	398(6)	398(6)	401(7)	406(10)
110	421(5)	421(6)	424(6)	429(9)
115	445(4)	445(5)	447(5)	453(8)
120	468(3)	468(3)	470(4)	476(7)
125	491(2)	492(3)	494(3)	499(6)

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.

YHJF48S41S5 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJF48S41S5	35	107	43.5	2.30	40.8	2.59	38.1	2.89	35.3	3.19	32.6	3.48	29.8	3.78	27.1	4.08
	40	119	49.3	2.30	46.1	2.62	42.8	2.93	39.6	3.24	36.4	3.55	33.2	3.86	30.0	4.17
	45	130	55.1	2.31	51.3	2.64	47.6	2.96	43.9	3.29	40.2	3.61	36.5	3.94	32.8	4.26
	50	143	60.8	2.32	56.6	2.66	52.4	3.00	48.2	3.34	44.0	3.68	39.8	4.02	35.7	4.36
	55	156	66.6	2.33	61.9	2.68	57.2	3.04	52.5	3.39	47.9	3.74	43.2	4.10	38.5	4.45

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJF48S41S5 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1110	LIQUID PRESSURE (PSIG)	219	261	303	345	393	441	489
		LIQUID TEMPERATURE (°F)	75	85	96	106	117	127	137
		LIQUID SUBCOOLING (°F)	1	1	1	-1	-1	-3	-5
		SUCTION PRESSURE (PSIG)	115	119	122	125	129	132	136
		SUCTION TEMPERATURE (°F)	50	52	53	55	56	58	59
		SUCTION SUPERHEAT (°F)	11	11	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	10.0	11.5	12.9	14.4	16.3	18.2	20.2
		COMPRESSOR CURRENT (A)	9.0	10.4	11.9	13.3	15.3	17.2	19.1
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	22
	1310	LIQUID PRESSURE (PSIG)	223	264	306	347	395	443	490
		LIQUID TEMPERATURE (°F)	75	85	96	106	116	127	137
		LIQUID SUBCOOLING (°F)	2	2	1	0	-1	-2	-4
		SUCTION PRESSURE (PSIG)	120	123	126	129	132	136	139
		SUCTION TEMPERATURE (°F)	52	54	55	56	58	59	61
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	10.1	11.6	13.0	14.5	16.4	18.3	20.2
		COMPRESSOR CURRENT (A)	9.1	10.5	12.0	13.4	15.3	17.2	19.1
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	22	21	20
	1510	LIQUID PRESSURE (PSIG)	227	268	308	349	397	445	492
		LIQUID TEMPERATURE (°F)	75	86	96	106	116	126	136
		LIQUID SUBCOOLING (°F)	3	3	2	0	0	-2	-4
		SUCTION PRESSURE (PSIG)	125	128	130	133	136	139	142
		SUCTION TEMPERATURE (°F)	55	56	57	58	59	61	62
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	10.2	11.7	13.1	14.5	16.4	18.3	20.3
		COMPRESSOR CURRENT (A)	9.2	10.6	12.0	13.5	15.4	17.3	19.2
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	18
80/62	1110	LIQUID PRESSURE (PSIG)	220	262	303	345	393	440	488
		LIQUID TEMPERATURE (°F)	72	84	95	106	117	127	137
		LIQUID SUBCOOLING (°F)	3	3	2	0	-1	-3	-5
		SUCTION PRESSURE (PSIG)	115	118	122	125	129	132	136
		SUCTION TEMPERATURE (°F)	50	51	53	54	56	58	59
		SUCTION SUPERHEAT (°F)	11	11	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	10.1	11.5	13.0	14.4	16.3	18.2	20.1
		COMPRESSOR CURRENT (A)	9.0	10.5	11.9	13.3	15.2	17.1	19.1
		INDOOR COIL DB TEMP DROP (°F)	31	30	30	29	28	27	26
	1310	LIQUID PRESSURE (PSIG)	222	263	305	346	394	443	491
		LIQUID TEMPERATURE (°F)	75	85	96	106	116	127	137
		LIQUID SUBCOOLING (°F)	2	2	2	0	-1	-2	-5
		SUCTION PRESSURE (PSIG)	120	123	126	129	132	136	139
		SUCTION TEMPERATURE (°F)	52	54	55	56	58	59	61
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	10.1	11.5	13.0	14.4	16.4	18.3	20.2
		COMPRESSOR CURRENT (A)	9.0	10.5	11.9	13.4	15.3	17.2	19.1
		INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	25	24
	1510	LIQUID PRESSURE (PSIG)	223	265	306	347	396	445	493
		LIQUID TEMPERATURE (°F)	77	86	96	106	116	127	138
		LIQUID SUBCOOLING (°F)	0	1	1	1	0	-2	-5
		SUCTION PRESSURE (PSIG)	125	128	130	133	136	139	142
		SUCTION TEMPERATURE (°F)	55	56	57	58	59	61	62
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	10.1	11.5	13.0	14.5	16.4	18.3	20.3
		COMPRESSOR CURRENT (A)	9.1	10.5	11.9	13.4	15.3	17.3	19.2
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	25	24	22	21

Continued on next page.

YHJF48S41S5 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1110	LIQUID PRESSURE (PSIG)	226	268	309	351	400	448	496
		LIQUID TEMPERATURE (°F)	77	87	97	106	116	127	137
		LIQUID SUBCOOLING (°F)	0	2	2	1	0	-1	-3
		SUCTION PRESSURE (PSIG)	127	130	134	137	141	144	148
		SUCTION TEMPERATURE (°F)	56	57	58	60	61	63	65
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	10.2	11.6	13.1	14.6	16.5	18.4	20.4
		COMPRESSOR CURRENT (A)	9.1	10.6	12.1	13.5	15.4	17.3	19.3
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	22
	1310	LIQUID PRESSURE (PSIG)	228	270	312	353	402	450	498
		LIQUID TEMPERATURE (°F)	75	86	96	106	116	127	137
		LIQUID SUBCOOLING (°F)	3	3	3	2	1	-1	-3
		SUCTION PRESSURE (PSIG)	131	134	138	141	144	148	152
		SUCTION TEMPERATURE (°F)	57	59	60	61	63	64	66
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	10.2	11.7	13.2	14.6	16.6	18.5	20.4
		COMPRESSOR CURRENT (A)	9.2	10.6	12.1	13.6	15.5	17.4	19.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	21	20
	1510	LIQUID PRESSURE (PSIG)	231	272	314	355	403	452	501
		LIQUID TEMPERATURE (°F)	74	84	95	106	116	127	137
		LIQUID SUBCOOLING (°F)	5	5	4	2	1	0	-3
		SUCTION PRESSURE (PSIG)	136	139	142	145	148	152	155
		SUCTION TEMPERATURE (°F)	59	61	62	63	64	66	67
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	10.3	11.7	13.2	14.7	16.6	18.6	20.5
		COMPRESSOR CURRENT (A)	9.3	10.7	12.2	13.6	15.5	17.5	19.4
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	18
80/72	1110	LIQUID PRESSURE (PSIG)	231	273	315	357	407	457	506
		LIQUID TEMPERATURE (°F)	78	87	96	106	116	127	137
		LIQUID SUBCOOLING (°F)	1	2	3	3	2	0	-2
		SUCTION PRESSURE (PSIG)	139	143	146	150	154	158	162
		SUCTION TEMPERATURE (°F)	61	62	64	65	67	68	70
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	10.3	11.8	13.2	14.7	16.7	18.7	20.7
		COMPRESSOR CURRENT (A)	9.2	10.7	12.2	13.7	15.6	17.6	19.6
		INDOOR COIL DB TEMP DROP (°F)	22	22	21	20	19	18	17
	1310	LIQUID PRESSURE (PSIG)	233	275	317	360	409	458	507
		LIQUID TEMPERATURE (°F)	76	86	96	106	116	127	137
		LIQUID SUBCOOLING (°F)	3	4	4	3	2	0	-2
		SUCTION PRESSURE (PSIG)	144	147	151	154	158	162	165
		SUCTION TEMPERATURE (°F)	63	64	65	67	68	70	71
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	10.3	11.8	13.3	14.8	16.8	18.7	20.7
		COMPRESSOR CURRENT (A)	9.3	10.8	12.2	13.7	15.7	17.6	19.6
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	17	16	15
	1510	LIQUID PRESSURE (PSIG)	235	277	320	362	411	460	509
		LIQUID TEMPERATURE (°F)	75	85	96	106	117	127	137
		LIQUID SUBCOOLING (°F)	5	6	5	3	2	0	-2
		SUCTION PRESSURE (PSIG)	148	152	155	158	162	166	169
		SUCTION TEMPERATURE (°F)	65	66	67	68	70	71	73
		SUCTION SUPERHEAT (°F)	12	12	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	10.3	11.8	13.3	14.8	16.8	18.8	20.7
		COMPRESSOR CURRENT (A)	9.3	10.8	12.3	13.8	15.7	17.7	19.6
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	15	15	14

YHJF48S41S5 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1400	LIQUID PRESSURE (PSIG)	237	253	260	277	286	306
		LIQUID TEMPERATURE (°F)	50	55	59	64	68	73
		LIQUID SUBCOOLING (°F)	31	30	27	27	25	24
		SUCTION PRESSURE (PSIG)	44	58	71	89	102	125
		SUCTION TEMPERATURE (°F)	8	17	24	34	41	53
		SUCTION SUPERHEAT (°F)	11	10	9	8	8	10
		OUTDOOR UNIT CURRENT (A)	11.7	12.1	12.3	12.8	13.2	13.7
		COMPRESSOR CURRENT (A)	10.3	10.8	11.1	11.6	11.9	12.5
		INDOOR COIL DB TEMP RISE (°F)	13	16	19	23	25	30
	1600	LIQUID PRESSURE (PSIG)	247	259	272	289	299	320
		LIQUID TEMPERATURE (°F)	51	55	61	65	70	77
		LIQUID SUBCOOLING (°F)	32	32	29	28	26	24
		SUCTION PRESSURE (PSIG)	46	57	73	89	102	126
		SUCTION TEMPERATURE (°F)	8	16	25	34	41	52
		SUCTION SUPERHEAT (°F)	10	9	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	12.0	12.4	12.7	13.2	13.6	14.2
		COMPRESSOR CURRENT (A)	10.7	11.0	11.4	12.0	12.3	12.9
		INDOOR COIL DB TEMP RISE (°F)	15	18	22	26	28	34
	1800	LIQUID PRESSURE (PSIG)	256	266	284	301	312	334
		LIQUID TEMPERATURE (°F)	52	55	63	67	72	80
		LIQUID SUBCOOLING (°F)	34	33	30	30	27	24
		SUCTION PRESSURE (PSIG)	48	56	76	89	103	127
		SUCTION TEMPERATURE (°F)	9	15	26	34	41	52
		SUCTION SUPERHEAT (°F)	10	9	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	12.3	12.6	13.1	13.6	14.0	14.6
		COMPRESSOR CURRENT (A)	11.0	11.3	11.8	12.4	12.8	13.4
		INDOOR COIL DB TEMP RISE (°F)	346	346	346	346	346	38
70	1400	LIQUID PRESSURE (PSIG)	346	346	346	346	346	346
		LIQUID TEMPERATURE (°F)	58	61	66	72	76	82
		LIQUID SUBCOOLING (°F)	48	45	40	34	30	24
		SUCTION PRESSURE (PSIG)	48	56	70	90	103	127
		SUCTION TEMPERATURE (°F)	9	16	24	35	41	53
		SUCTION SUPERHEAT (°F)	9	10	9	8	8	9
		OUTDOOR UNIT CURRENT (A)	13.0	13.5	13.7	14.3	14.5	15.0
		COMPRESSOR CURRENT (A)	11.7	12.1	12.4	13.0	13.3	13.8
		INDOOR COIL DB TEMP RISE (°F)	13	15	18	22	25	29
	1600	LIQUID PRESSURE (PSIG)	288	303	316	332	341	362
		LIQUID TEMPERATURE (°F)	59	62	68	73	78	85
		LIQUID SUBCOOLING (°F)	35	35	32	30	27	24
		SUCTION PRESSURE (PSIG)	49	56	73	91	104	128
		SUCTION TEMPERATURE (°F)	10	16	25	35	41	53
		SUCTION SUPERHEAT (°F)	9	10	9	8	8	9
		OUTDOOR UNIT CURRENT (A)	13.3	13.7	14.2	14.7	8.6	15.6
		COMPRESSOR CURRENT (A)	12.0	12.4	12.8	13.4	13.8	14.3
		INDOOR COIL DB TEMP RISE (°F)	15	17	21	25	28	33
	1800	LIQUID PRESSURE (PSIG)	298	310	330	345	354	377
		LIQUID TEMPERATURE (°F)	59	62	70	75	80	88
		LIQUID SUBCOOLING (°F)	36	36	33	31	28	24
		SUCTION PRESSURE (PSIG)	50	57	76	91	104	129
		SUCTION TEMPERATURE (°F)	10	16	27	35	41	53
		SUCTION SUPERHEAT (°F)	9	10	9	8	8	8
		OUTDOOR UNIT CURRENT (A)	13.6	14.0	14.6	15.1	15.5	16.1
		COMPRESSOR CURRENT (A)	12.3	12.7	13.3	13.9	14.2	14.8
		INDOOR COIL DB TEMP RISE (°F)	182	182	185	187	188	37

Continued on next page.

YHJF48S41S5 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1400	LIQUID PRESSURE (PSIG)	320	338	346	362	368	387
		LIQUID TEMPERATURE (°F)	66	68	73	80	84	91
		LIQUID SUBCOOLING (°F)	34	37	33	29	27	23
		SUCTION PRESSURE (PSIG)	52	54	69	91	105	130
		SUCTION TEMPERATURE (°F)	11	15	23	36	42	54
		SUCTION SUPERHEAT (°F)	8	11	9	8	8	9
		OUTDOOR UNIT CURRENT (A)	14.4	14.9	15.1	15.7	15.9	16.4
		COMPRESSOR CURRENT (A)	13.0	13.5	13.8	14.5	14.6	15.1
		INDOOR COIL DB TEMP RISE (°F)	13	14	17	21	24	28
	1600	LIQUID PRESSURE (PSIG)	329	346	361	375	382	404
		LIQUID TEMPERATURE (°F)	67	69	75	81	86	94
		LIQUID SUBCOOLING (°F)	36	37	35	31	28	24
		SUCTION PRESSURE (PSIG)	52	56	73	92	105	131
		SUCTION TEMPERATURE (°F)	11	16	26	36	42	53
		SUCTION SUPERHEAT (°F)	8	11	9	8	8	8
		OUTDOOR UNIT CURRENT (A)	14.7	15.1	15.6	16.2	3.5	17.0
		COMPRESSOR CURRENT (A)	13.3	13.7	14.3	14.9	15.2	15.7
		INDOOR COIL DB TEMP RISE (°F)	15	16	20	24	27	32
	1800	LIQUID PRESSURE (PSIG)	339	353	376	389	397	420
		LIQUID TEMPERATURE (°F)	67	69	76	83	88	97
		LIQUID SUBCOOLING (°F)	37	38	36	32	28	24
		SUCTION PRESSURE (PSIG)	52	57	76	93	106	131
		SUCTION TEMPERATURE (°F)	11	17	28	36	42	53
		SUCTION SUPERHEAT (°F)	9	10	9	8	8	8
		OUTDOOR UNIT CURRENT (A)	14.9	15.4	16.1	16.6	17.0	17.5
		COMPRESSOR CURRENT (A)	13.5	14.0	14.8	15.4	15.7	16.3
		INDOOR COIL DB TEMP RISE (°F)	17	18	23	27	30	36

FOR USE WITH MODELS:

YHJF60S41S1
THJF60S41S3
THGF60S41S3
RHP14J604S21

YHJF60S41S1 (HIGH STAGE) 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			
65	232(8)	235(9)	239(8)	246(10)
70	252(9)	255(9)	260(9)	267(10)
75	273(9)	275(10)	280(10)	287(11)
80	293(9)	295(10)	301(10)	308(11)
85	313(9)	315(10)	321(10)	328(11)
90	334(9)	335(9)	342(10)	349(10)
95	354(8)	355(8)	362(9)	369(10)
100	377(8)	378(8)	385(9)	392(9)
105	401(7)	401(7)	407(8)	415(8)
110	424(6)	424(6)	430(7)	437(7)
115	447(6)	447(5)	452(6)	460(6)
120	471(5)	470(4)	475(5)	483(5)
125	494(4)	493(3)	497(4)	506(4)

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.

YHJF60S41S1 (LOW STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJF60S41S1	35	107	43.4	1.63	38.1	2.15	32.8	2.68	27.5	3.20	22.2	3.73	16.9	4.26	11.5	4.78
	40	119	47.4	1.64	42.1	2.16	36.8	2.68	31.4	3.20	26.1	3.72	20.8	4.24	15.5	4.75
	45	130	51.4	1.66	46.1	2.17	40.7	2.68	35.4	3.19	30.1	3.70	24.8	4.22	19.4	4.73
	50	143	55.4	1.68	50.1	2.18	44.7	2.68	39.4	3.19	34.0	3.69	28.7	4.19	23.4	4.70
	55	156	59.4	1.70	54.1	2.19	48.7	2.69	43.4	3.18	38.0	3.68	32.7	4.17	27.3	4.67

YHJF60S41S1 (HIGH STAGE) CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJF60S41S1	35	107	52.5	3.01	49.6	3.33	46.7	3.64	43.8	3.95	40.9	4.26	38.0	4.57	35.1	4.88
	40	119	58.9	3.08	55.7	3.40	52.5	3.72	49.3	4.05	46.1	4.37	43.0	4.70	39.8	5.02
	45	130	65.4	3.14	61.9	3.48	58.4	3.81	54.9	4.15	51.4	4.48	47.9	4.82	44.4	5.15
	50	143	71.9	3.20	68.1	3.55	64.3	3.90	60.5	4.24	56.7	4.59	52.9	4.94	49.1	5.29
	55	156	78.3	3.27	74.2	3.62	70.1	3.98	66.0	4.34	61.9	4.70	57.8	5.06	53.7	5.42

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJF60S41S1 (LOW STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	965	LIQUID PRESSURE (PSIG)	216	255	294	334	381	427	474
		LIQUID TEMPERATURE (°F)	70	80	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	5	5	5	4	4	3	2
		SUCTION PRESSURE (PSIG)	114	117	121	124	127	131	134
		SUCTION TEMPERATURE (°F)	56	57	59	61	62	64	66
		SUCTION SUPERHEAT (°F)	18	18	18	19	18	19	19
		OUTDOOR UNIT CURRENT (A)	9.0	10.4	11.8	13.2	15.0	16.8	18.6
		COMPRESSOR CURRENT (A)	7.7	9.1	10.5	11.8	13.6	15.4	17.2
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	22	21
	1165	LIQUID PRESSURE (PSIG)	217	257	296	336	382	428	474
		LIQUID TEMPERATURE (°F)	69	79	90	100	110	119	129
		LIQUID SUBCOOLING (°F)	6	7	5	4	3	3	1
		SUCTION PRESSURE (PSIG)	119	122	125	128	131	135	138
		SUCTION TEMPERATURE (°F)	58	60	61	63	64	66	67
		SUCTION SUPERHEAT (°F)	18	18	18	19	19	19	19
		OUTDOOR UNIT CURRENT (A)	9.0	10.4	11.8	13.2	15.0	16.8	18.5
		COMPRESSOR CURRENT (A)	7.7	9.1	10.5	11.8	13.6	15.4	17.1
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	21	20	19
	1365	LIQUID PRESSURE (PSIG)	219	258	298	337	383	428	474
		LIQUID TEMPERATURE (°F)	68	79	90	101	110	120	130
		LIQUID SUBCOOLING (°F)	7	7	6	3	4	2	0
		SUCTION PRESSURE (PSIG)	124	127	130	132	135	138	141
		SUCTION TEMPERATURE (°F)	61	62	63	65	66	67	69
		SUCTION SUPERHEAT (°F)	19	18	18	19	19	19	20
		OUTDOOR UNIT CURRENT (A)	9.0	10.4	11.8	13.2	14.9	16.7	18.5
		COMPRESSOR CURRENT (A)	7.7	9.1	10.5	11.8	13.6	15.3	17.1
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	19	18	17
80/62	965	LIQUID PRESSURE (PSIG)	216	255	294	334	380	427	474
		LIQUID TEMPERATURE (°F)	70	80	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	5	5	5	4	4	3	2
		SUCTION PRESSURE (PSIG)	114	118	121	124	127	131	134
		SUCTION TEMPERATURE (°F)	56	57	59	61	62	64	66
		SUCTION SUPERHEAT (°F)	18	17	18	19	18	19	19
		OUTDOOR UNIT CURRENT (A)	9.0	10.4	11.8	13.2	15.0	16.8	18.6
		COMPRESSOR CURRENT (A)	7.7	9.1	10.5	11.8	13.6	15.4	17.2
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	28	27	26	25
	1165	LIQUID PRESSURE (PSIG)	218	257	296	335	382	428	474
		LIQUID TEMPERATURE (°F)	69	80	90	100	110	119	129
		LIQUID SUBCOOLING (°F)	6	6	5	4	3	3	1
		SUCTION PRESSURE (PSIG)	119	122	125	128	131	135	138
		SUCTION TEMPERATURE (°F)	58	60	61	63	64	66	67
		SUCTION SUPERHEAT (°F)	18	18	18	19	19	19	19
		OUTDOOR UNIT CURRENT (A)	9.0	10.4	11.8	13.2	15.0	16.8	18.6
		COMPRESSOR CURRENT (A)	7.7	9.1	10.5	11.8	13.6	15.4	17.1
		INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	24	23	22
	1365	LIQUID PRESSURE (PSIG)	220	259	298	337	383	429	475
		LIQUID TEMPERATURE (°F)	68	79	89	99	110	120	130
		LIQUID SUBCOOLING (°F)	8	7	7	5	4	2	0
		SUCTION PRESSURE (PSIG)	125	127	130	132	135	138	141
		SUCTION TEMPERATURE (°F)	61	62	63	65	66	67	69
		SUCTION SUPERHEAT (°F)	18	18	18	19	19	19	20
		OUTDOOR UNIT CURRENT (A)	9.0	10.4	11.8	13.2	14.9	16.7	18.5
		COMPRESSOR CURRENT (A)	7.7	9.1	10.4	11.8	13.6	15.3	17.1
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	20	19

Continued on next page.

YHJF60S41S1 (LOW STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	965	LIQUID PRESSURE (PSIG)	220	259	299	338	385	431	478
		LIQUID TEMPERATURE (°F)	72	81	90	99	109	120	130
		LIQUID SUBCOOLING (°F)	4	5	6	6	5	2	0
		SUCTION PRESSURE (PSIG)	126	129	132	135	139	143	147
		SUCTION TEMPERATURE (°F)	61	63	64	66	68	70	71
		SUCTION SUPERHEAT (°F)	18	18	18	19	19	20	19
		OUTDOOR UNIT CURRENT (A)	9.0	10.4	11.8	13.2	15.0	16.7	18.5
		COMPRESSOR CURRENT (A)	7.7	9.1	10.5	11.8	13.6	15.4	17.1
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	22	21
	1165	LIQUID PRESSURE (PSIG)	222	262	301	341	387	433	479
		LIQUID TEMPERATURE (°F)	70	80	90	100	110	120	130
		LIQUID SUBCOOLING (°F)	6	7	6	5	4	3	1
		SUCTION PRESSURE (PSIG)	130	133	136	139	143	147	151
		SUCTION TEMPERATURE (°F)	64	65	67	68	70	71	73
		SUCTION SUPERHEAT (°F)	19	19	20	19	20	19	20
		OUTDOOR UNIT CURRENT (A)	9.0	10.4	11.8	13.2	15.0	16.7	18.5
		COMPRESSOR CURRENT (A)	7.7	9.1	10.5	11.9	13.6	15.4	17.1
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	21	20	19
	1365	LIQUID PRESSURE (PSIG)	225	264	303	343	389	435	480
		LIQUID TEMPERATURE (°F)	68	79	90	101	110	120	130
		LIQUID SUBCOOLING (°F)	9	9	7	5	5	3	1
		SUCTION PRESSURE (PSIG)	135	138	141	144	147	151	154
		SUCTION TEMPERATURE (°F)	66	67	69	70	72	73	75
		SUCTION SUPERHEAT (°F)	19	19	20	19	20	20	21
		OUTDOOR UNIT CURRENT (A)	9.0	10.4	11.8	13.2	15.0	16.8	18.5
		COMPRESSOR CURRENT (A)	7.7	9.1	10.5	11.9	13.6	15.4	17.1
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	19	18	17
80/72	965	LIQUID PRESSURE (PSIG)	225	265	304	344	391	438	484
		LIQUID TEMPERATURE (°F)	68	79	90	101	110	120	130
		LIQUID SUBCOOLING (°F)	9	9	7	5	5	4	1
		SUCTION PRESSURE (PSIG)	136	140	144	147	152	156	160
		SUCTION TEMPERATURE (°F)	66	68	70	71	73	75	77
		SUCTION SUPERHEAT (°F)	19	19	19	19	19	20	21
		OUTDOOR UNIT CURRENT (A)	9.0	10.4	11.8	13.2	15.0	16.8	18.6
		COMPRESSOR CURRENT (A)	7.7	9.1	10.5	11.9	13.6	15.4	17.2
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	18	17	16
	1165	LIQUID PRESSURE (PSIG)	227	267	306	346	393	440	486
		LIQUID TEMPERATURE (°F)	70	80	91	101	111	120	130
		LIQUID SUBCOOLING (°F)	8	8	7	5	5	4	2
		SUCTION PRESSURE (PSIG)	142	145	149	152	156	160	164
		SUCTION TEMPERATURE (°F)	69	71	72	74	75	77	79
		SUCTION SUPERHEAT (°F)	19	20	20	20	20	21	21
		OUTDOOR UNIT CURRENT (A)	9.0	10.4	11.8	13.2	15.0	16.8	18.6
		COMPRESSOR CURRENT (A)	7.7	9.1	10.5	11.9	13.7	15.4	17.2
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	16	15	15
	1365	LIQUID PRESSURE (PSIG)	228	268	309	349	395	441	488
		LIQUID TEMPERATURE (°F)	72	82	92	101	111	120	130
		LIQUID SUBCOOLING (°F)	6	7	6	6	5	4	2
		SUCTION PRESSURE (PSIG)	147	151	154	158	161	164	167
		SUCTION TEMPERATURE (°F)	72	73	74	76	77	79	80
		SUCTION SUPERHEAT (°F)	20	20	20	20	20	21	21
		OUTDOOR UNIT CURRENT (A)	9.0	10.4	11.8	13.3	15.0	16.8	18.6
		COMPRESSOR CURRENT (A)	7.7	9.1	10.5	11.9	13.7	15.4	17.2
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	15	14	14	13

YHJF60S41S1 (HIGH STAGE) W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1650	LIQUID PRESSURE (PSIG)	233	273	314	354	399	445	490
		LIQUID TEMPERATURE (°F)	72	82	92	103	112	121	130
		LIQUID SUBCOOLING (°F)	7	8	7	5	5	4	2
		SUCTION PRESSURE (PSIG)	116	119	122	125	128	131	134
		SUCTION TEMPERATURE (°F)	59	61	62	64	65	67	68
		SUCTION SUPERHEAT (°F)	20	21	20	21	21	22	21
		OUTDOOR UNIT CURRENT (A)	13.4	15.1	16.8	18.5	20.6	22.8	25.0
		COMPRESSOR CURRENT (A)	12.2	13.9	15.5	17.2	19.4	21.6	23.7
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	19
	1850	LIQUID PRESSURE (PSIG)	234	275	315	355	400	445	491
		LIQUID TEMPERATURE (°F)	72	82	92	102	112	121	131
		LIQUID SUBCOOLING (°F)	8	8	8	6	5	4	2
		SUCTION PRESSURE (PSIG)	119	122	124	127	130	133	136
		SUCTION TEMPERATURE (°F)	61	62	63	65	66	68	69
		SUCTION SUPERHEAT (°F)	21	20	21	21	21	22	22
		OUTDOOR UNIT CURRENT (A)	13.5	15.2	16.8	18.5	20.7	22.9	25.0
		COMPRESSOR CURRENT (A)	12.3	13.9	15.6	17.3	19.4	21.6	23.8
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	18	18
	2050	LIQUID PRESSURE (PSIG)	236	276	316	357	401	446	491
		LIQUID TEMPERATURE (°F)	73	82	92	101	112	122	132
		LIQUID SUBCOOLING (°F)	7	9	8	7	5	3	1
		SUCTION PRESSURE (PSIG)	122	124	127	129	132	135	138
		SUCTION TEMPERATURE (°F)	62	63	65	66	67	69	70
		SUCTION SUPERHEAT (°F)	20	21	21	21	21	22	22
		OUTDOOR UNIT CURRENT (A)	13.5	15.2	16.9	18.6	20.8	22.9	25.1
		COMPRESSOR CURRENT (A)	12.3	14.0	15.7	17.3	19.5	21.7	23.8
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	19	18	17	17
80/62	1650	LIQUID PRESSURE (PSIG)	234	274	314	354	399	445	490
		LIQUID TEMPERATURE (°F)	72	82	92	101	111	121	131
		LIQUID SUBCOOLING (°F)	8	8	7	7	6	4	1
		SUCTION PRESSURE (PSIG)	116	119	122	125	128	131	134
		SUCTION TEMPERATURE (°F)	59	61	62	64	65	67	68
		SUCTION SUPERHEAT (°F)	20	21	20	21	21	22	21
		OUTDOOR UNIT CURRENT (A)	13.4	15.1	16.8	18.4	20.6	22.8	25.0
		COMPRESSOR CURRENT (A)	12.2	13.9	15.5	17.2	19.4	21.6	23.7
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	24	24	23
	1850	LIQUID PRESSURE (PSIG)	235	275	315	355	401	447	493
		LIQUID TEMPERATURE (°F)	72	82	92	102	112	121	131
		LIQUID SUBCOOLING (°F)	8	8	8	6	5	4	2
		SUCTION PRESSURE (PSIG)	119	122	124	127	131	135	140
		SUCTION TEMPERATURE (°F)	61	62	63	65	67	69	71
		SUCTION SUPERHEAT (°F)	21	20	21	21	22	22	22
		OUTDOOR UNIT CURRENT (A)	13.5	15.2	16.8	18.5	20.7	23.0	25.2
		COMPRESSOR CURRENT (A)	12.3	13.9	15.6	17.3	19.5	21.7	23.9
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	23	22	21
	2050	LIQUID PRESSURE (PSIG)	236	276	316	356	403	450	497
		LIQUID TEMPERATURE (°F)	73	82	92	102	112	122	132
		LIQUID SUBCOOLING (°F)	7	9	8	6	5	4	2
		SUCTION PRESSURE (PSIG)	122	125	127	129	135	140	146
		SUCTION TEMPERATURE (°F)	62	64	65	66	69	71	74
		SUCTION SUPERHEAT (°F)	20	21	21	21	22	22	23
		OUTDOOR UNIT CURRENT (A)	13.6	15.2	16.9	18.5	20.8	23.1	25.4
		COMPRESSOR CURRENT (A)	12.4	14.0	15.7	17.3	19.6	21.8	24.1
		INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	21	20	19

Continued on next page.

YHJF60S41S1 (HIGH STAGE) W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1650	LIQUID PRESSURE (PSIG)	238	279	320	361	406	451	497
		LIQUID TEMPERATURE (°F)	74	83	92	102	112	122	132
		LIQUID SUBCOOLING (°F)	7	8	9	7	6	4	2
		SUCTION PRESSURE (PSIG)	128	131	134	136	140	143	146
		SUCTION TEMPERATURE (°F)	65	67	68	69	71	73	74
		SUCTION SUPERHEAT (°F)	21	22	21	22	22	23	23
		OUTDOOR UNIT CURRENT (A)	13.7	15.4	17.1	18.8	21.0	23.2	25.4
		COMPRESSOR CURRENT (A)	12.5	14.2	15.9	17.6	19.7	21.9	24.1
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1850	LIQUID PRESSURE (PSIG)	239	280	321	362	407	452	497
		LIQUID TEMPERATURE (°F)	74	83	93	102	112	122	132
		LIQUID SUBCOOLING (°F)	7	8	8	7	6	4	2
		SUCTION PRESSURE (PSIG)	131	133	136	139	142	145	148
		SUCTION TEMPERATURE (°F)	67	68	69	71	72	74	75
		SUCTION SUPERHEAT (°F)	22	22	22	22	22	23	23
		OUTDOOR UNIT CURRENT (A)	13.8	15.5	17.2	18.9	21.0	23.2	25.4
		COMPRESSOR CURRENT (A)	12.6	14.2	15.9	17.6	19.8	22.0	24.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	17
	2050	LIQUID PRESSURE (PSIG)	241	282	322	363	408	453	498
		LIQUID TEMPERATURE (°F)	74	84	93	102	112	122	132
		LIQUID SUBCOOLING (°F)	8	8	8	8	6	4	2
		SUCTION PRESSURE (PSIG)	134	136	139	142	145	147	150
		SUCTION TEMPERATURE (°F)	68	69	71	72	73	75	76
		SUCTION SUPERHEAT (°F)	21	22	22	22	22	23	23
		OUTDOOR UNIT CURRENT (A)	13.9	15.6	17.2	18.9	21.1	23.3	25.5
		COMPRESSOR CURRENT (A)	12.7	14.3	16.0	17.7	19.9	22.0	24.2
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	16
80/72	1650	LIQUID PRESSURE (PSIG)	244	285	326	368	413	459	504
		LIQUID TEMPERATURE (°F)	75	84	93	103	113	123	133
		LIQUID SUBCOOLING (°F)	7	9	9	8	6	4	2
		SUCTION PRESSURE (PSIG)	139	143	146	149	153	156	160
		SUCTION TEMPERATURE (°F)	71	72	74	75	77	79	80
		SUCTION SUPERHEAT (°F)	22	22	23	23	23	24	24
		OUTDOOR UNIT CURRENT (A)	14.0	15.7	17.4	19.2	21.4	23.6	25.8
		COMPRESSOR CURRENT (A)	12.8	14.5	16.2	17.9	20.1	22.3	24.5
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	17	16	15	14
	1850	LIQUID PRESSURE (PSIG)	246	287	328	369	415	460	506
		LIQUID TEMPERATURE (°F)	74	84	94	103	113	123	132
		LIQUID SUBCOOLING (°F)	9	9	8	8	7	4	3
		SUCTION PRESSURE (PSIG)	143	146	149	152	155	159	162
		SUCTION TEMPERATURE (°F)	72	74	75	77	78	80	81
		SUCTION SUPERHEAT (°F)	22	23	23	23	23	24	24
		OUTDOOR UNIT CURRENT (A)	14.1	15.8	17.5	19.2	21.4	23.6	25.9
		COMPRESSOR CURRENT (A)	12.9	14.6	16.3	18.0	20.2	22.4	24.6
		INDOOR COIL DB TEMP DROP (°F)	18	17	16	15	15	14	13
	2050	LIQUID PRESSURE (PSIG)	248	289	330	371	416	461	507
		LIQUID TEMPERATURE (°F)	74	84	94	103	113	123	132
		LIQUID SUBCOOLING (°F)	9	10	9	8	7	5	3
		SUCTION PRESSURE (PSIG)	146	149	152	155	158	161	164
		SUCTION TEMPERATURE (°F)	74	75	77	78	79	81	82
		SUCTION SUPERHEAT (°F)	23	23	23	23	23	24	24
		OUTDOOR UNIT CURRENT (A)	14.3	15.9	17.6	19.3	21.5	23.7	25.9
		COMPRESSOR CURRENT (A)	13.0	14.7	16.4	18.1	20.3	22.5	24.6
		INDOOR COIL DB TEMP DROP (°F)	16	15	15	14	14	13	12

YHJF60S41S1 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1600	LIQUID PRESSURE (PSIG)	279	296	312	325	335	353
		LIQUID TEMPERATURE (°F)	52	54	61	66	70	81
		LIQUID SUBCOOLING (°F)	39	41	38	36	34	27
		SUCTION PRESSURE (PSIG)	45	55	72	85	96	119
		SUCTION TEMPERATURE (°F)	52	54	48	47	49	50
		SUCTION SUPERHEAT (°F)	55	49	32	23	20	10
		OUTDOOR UNIT CURRENT (A)	15.5	16.3	16.8	17.4	17.9	18.8
		COMPRESSOR CURRENT (A)	14.0	14.9	15.4	16.1	16.5	17.5
		INDOOR COIL DB TEMP RISE (°F)	18	21	30	30	33	38
	1800	LIQUID PRESSURE (PSIG)	271	281	301	312	321	337
		LIQUID TEMPERATURE (°F)	51	53	60	65	69	78
		LIQUID SUBCOOLING (°F)	38	39	36	34	32	26
		SUCTION PRESSURE (PSIG)	45	49	72	85	96	118
		SUCTION TEMPERATURE (°F)	48	50	44	44	45	46
		SUCTION SUPERHEAT (°F)	51	50	28	20	16	6
		OUTDOOR UNIT CURRENT (A)	15.1	15.7	16.4	16.9	17.3	18.2
		COMPRESSOR CURRENT (A)	13.7	14.2	15.0	15.5	16.0	16.9
		INDOOR COIL DB TEMP RISE (°F)	16	18	27	27	30	35
	2000	LIQUID PRESSURE (PSIG)	262	266	289	298	307	322
		LIQUID TEMPERATURE (°F)	51	52	59	64	67	75
		LIQUID SUBCOOLING (°F)	36	36	35	32	31	26
		SUCTION PRESSURE (PSIG)	45	42	72	85	95	117
		SUCTION TEMPERATURE (°F)	44	47	41	40	41	43
		SUCTION SUPERHEAT (°F)	47	52	25	16	12	4
		OUTDOOR UNIT CURRENT (A)	14.7	15.0	15.9	16.4	16.8	17.6
		COMPRESSOR CURRENT (A)	13.3	13.5	14.5	15.0	15.4	16.3
		INDOOR COIL DB TEMP RISE (°F)	14	14	24	24	27	31
70	1600	LIQUID PRESSURE (PSIG)	323	341	363	373	382	398
		LIQUID TEMPERATURE (°F)	59	62	67	74	78	88
		LIQUID SUBCOOLING (°F)	42	43	43	38	35	28
		SUCTION PRESSURE (PSIG)	46	57	71	87	97	121
		SUCTION TEMPERATURE (°F)	74	70	69	62	62	61
		SUCTION SUPERHEAT (°F)	76	64	53	37	32	20
		OUTDOOR UNIT CURRENT (A)	17.4	18.4	19.3	19.6	20.1	20.9
		COMPRESSOR CURRENT (A)	16.0	16.9	17.9	18.2	18.8	19.6
		INDOOR COIL DB TEMP RISE (°F)	17	21	30	30	33	38
	1800	LIQUID PRESSURE (PSIG)	315	329	347	358	368	382
		LIQUID TEMPERATURE (°F)	59	62	66	72	76	85
		LIQUID SUBCOOLING (°F)	41	41	40	37	35	28
		SUCTION PRESSURE (PSIG)	46	53	70	86	97	120
		SUCTION TEMPERATURE (°F)	69	67	65	58	58	57
		SUCTION SUPERHEAT (°F)	71	64	50	34	28	16
		OUTDOOR UNIT CURRENT (A)	17.1	17.8	18.5	19.0	10.8	20.2
		COMPRESSOR CURRENT (A)	15.6	16.3	17.2	17.6	18.1	18.9
		INDOOR COIL DB TEMP RISE (°F)	16	18	27	27	29	34
	2000	LIQUID PRESSURE (PSIG)	307	316	332	344	353	366
		LIQUID TEMPERATURE (°F)	59	61	66	71	75	83
		LIQUID SUBCOOLING (°F)	39	39	37	35	33	27
		SUCTION PRESSURE (PSIG)	47	50	69	85	97	118
		SUCTION TEMPERATURE (°F)	64	64	60	54	54	54
		SUCTION SUPERHEAT (°F)	65	63	46	30	24	14
		OUTDOOR UNIT CURRENT (A)	16.7	17.2	17.7	18.4	18.8	19.5
		COMPRESSOR CURRENT (A)	15.3	15.7	16.4	17.0	17.4	18.2
		INDOOR COIL DB TEMP RISE (°F)	14	15	24	24	26	31

Continued on next page.

YHJF60S41S1 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1600	LIQUID PRESSURE (PSIG)	366	386	413	420	430	444
		LIQUID TEMPERATURE (°F)	66	70	74	82	85	95
		LIQUID SUBCOOLING (°F)	44	44	45	39	37	30
		SUCTION PRESSURE (PSIG)	46	58	70	88	99	122
		SUCTION TEMPERATURE (°F)	97	86	90	76	75	73
		SUCTION SUPERHEAT (°F)	99	79	75	51	44	31
		OUTDOOR UNIT CURRENT (A)	19.4	20.4	21.9	21.8	22.4	23.1
		COMPRESSOR CURRENT (A)	17.9	19.0	20.5	20.4	21.0	21.8
		INDOOR COIL DB TEMP RISE (°F)	17	21	29	29	32	37
	1800	LIQUID PRESSURE (PSIG)	359	376	394	405	415	427
		LIQUID TEMPERATURE (°F)	66	70	73	80	84	93
		LIQUID SUBCOOLING (°F)	43	42	43	38	36	29
		SUCTION PRESSURE (PSIG)	47	58	68	87	99	121
		SUCTION TEMPERATURE (°F)	90	84	85	72	71	69
		SUCTION SUPERHEAT (°F)	91	77	71	47	40	28
		OUTDOOR UNIT CURRENT (A)	19.0	19.9	20.7	21.1	4.3	22.3
		COMPRESSOR CURRENT (A)	17.6	18.5	19.3	19.7	20.2	21.0
		INDOOR COIL DB TEMP RISE (°F)	15	19	26	26	29	33
	2000	LIQUID PRESSURE (PSIG)	351	367	374	390	399	411
		LIQUID TEMPERATURE (°F)	66	69	72	78	82	90
		LIQUID SUBCOOLING (°F)	41	41	40	37	35	29
		SUCTION PRESSURE (PSIG)	49	57	66	86	99	120
		SUCTION TEMPERATURE (°F)	83	81	79	68	66	65
		SUCTION SUPERHEAT (°F)	83	75	67	44	35	24
		OUTDOOR UNIT CURRENT (A)	18.7	19.4	19.6	20.3	20.8	21.5
		COMPRESSOR CURRENT (A)	17.3	18.0	18.2	19.0	19.5	20.2
		INDOOR COIL DB TEMP RISE (°F)	14	16	23	23	26	30

FOR USE WITH MODELS:

YHJD18S41S2
THJD18S41S3
THGD18S41S3
GHGD18S41S3
RHP13J184S21

YHJD18S41S2 SUPERHEAT CHARGING CHART													
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE												
	110	115	120	125	130	135	140	145	150	155	160	165	170
	TEMPERATURE (°F) AT SUCTION BASE VALVE												
65	..	44	47	53	60	69	79	92	105	..	..	..	..
70	..	44	47	52	58	65	74	85	97	111	..	..	..
75	..	..	47	51	56	62	70	79	90	102	..	..	..
80	..	..	46	49	54	60	67	76	85	95	106	..	..
85	..	..	..	50	53	58	64	71	79	88	98	..	..
90	..	..	..	49	52	57	62	68	75	83	92	102	..
95	..	..	..	..	52	56	60	65	71	78	86	94	..
100	..	..	..	..	52	55	58	63	69	75	83	91	100
105	..	..	..	..	..	55	57	61	66	72	78	86	95
110	..	..	..	..	..	..	57	60	64	70	76	83	91
115	..	..	..	..	..	..	57	59	63	67	72	79	86
120	..	..	..	..	..	..	..	59	62	65	70	76	82
125	..	..	..	..	..	..	..	59	61	64	68	73	79

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

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

CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJD18S41S2	35	107	17.3	0.91	15.6	1.04	13.9	1.16	12.1	1.28	10.4	1.40	8.6	1.52	6.9	1.64
	40	119	19.3	0.91	17.6	1.04	15.8	1.17	14.1	1.30	12.3	1.43	10.6	1.56	8.8	1.69
	45	130	21.3	0.90	19.6	1.04	17.8	1.18	16.0	1.31	14.3	1.45	12.5	1.59	10.7	1.73
	50	143	23.3	0.89	21.5	1.04	19.8	1.19	18.0	1.33	16.2	1.48	14.4	1.62	12.7	1.77
	55	156	25.3	0.89	23.5	1.04	21.7	1.20	19.9	1.35	18.2	1.50	16.4	1.66	14.6	1.81

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJD18S41S2 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	400	LIQUID PRESSURE (PSIG)	226	266	307	347	397	448	498
		LIQUID TEMPERATURE (°F)	73	83	94	104	115	126	137
		LIQUID SUBCOOLING (°F)	4	5	4	2	1	-1	-3
		SUCTION PRESSURE (PSIG)	120	124	127	130	135	139	143
		SUCTION TEMPERATURE (°F)	48	50	52	53	55	57	59
		SUCTION SUPERHEAT (°F)	7	8	8	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	4.1	4.6	5.2	5.7	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.4	3.9	4.4	5.0	5.6	6.3	7.0
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20
	600	LIQUID PRESSURE (PSIG)	226	267	308	350	399	449	499
		LIQUID TEMPERATURE (°F)	71	82	93	104	115	126	137
		LIQUID SUBCOOLING (°F)	6	6	5	3	2	0	-3
		SUCTION PRESSURE (PSIG)	129	132	135	138	141	145	148
		SUCTION TEMPERATURE (°F)	68	66	63	61	61	60	59
		SUCTION SUPERHEAT (°F)	23	20	16	13	12	9	7
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.2	5.8	6.5	7.2	7.9
		COMPRESSOR CURRENT (A)	3.3	3.9	4.5	5.1	5.7	6.4	7.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	17
	800	LIQUID PRESSURE (PSIG)	226	268	310	352	401	451	500
		LIQUID TEMPERATURE (°F)	70	81	92	103	114	125	136
		LIQUID SUBCOOLING (°F)	7	8	6	4	3	1	-2
		SUCTION PRESSURE (PSIG)	138	141	143	146	148	151	153
		SUCTION TEMPERATURE (°F)	87	81	75	69	66	63	60
		SUCTION SUPERHEAT (°F)	39	32	25	18	14	10	6
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.2	5.9	6.6	7.3	8.0
		COMPRESSOR CURRENT (A)	3.3	3.9	4.5	5.1	5.8	6.5	7.2
		INDOOR COIL DB TEMP DROP (°F)	17	17	17	16	16	15	14
80/62	400	LIQUID PRESSURE (PSIG)	226	266	307	347	397	448	498
		LIQUID TEMPERATURE (°F)	73	83	94	104	115	126	137
		LIQUID SUBCOOLING (°F)	4	5	4	2	1	-1	-3
		SUCTION PRESSURE (PSIG)	120	124	127	130	134	139	143
		SUCTION TEMPERATURE (°F)	48	50	52	53	55	57	59
		SUCTION SUPERHEAT (°F)	7	8	8	8	8	8	9
		OUTDOOR UNIT CURRENT (A)	4.1	4.6	5.2	5.7	6.4	7.1	7.8
		COMPRESSOR CURRENT (A)	3.4	3.9	4.4	5.0	5.6	6.3	7.0
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	24
	600	LIQUID PRESSURE (PSIG)	225	267	309	352	401	451	501
		LIQUID TEMPERATURE (°F)	72	82	93	103	114	125	136
		LIQUID SUBCOOLING (°F)	5	6	5	4	3	1	-2
		SUCTION PRESSURE (PSIG)	128	132	137	141	145	150	154
		SUCTION TEMPERATURE (°F)	67	66	65	64	65	67	68
		SUCTION SUPERHEAT (°F)	23	20	17	15	14	14	14
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.2	5.8	6.5	7.3	8.0
		COMPRESSOR CURRENT (A)	3.3	3.9	4.5	5.1	5.8	6.5	7.2
		INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	20	19
	800	LIQUID PRESSURE (PSIG)	223	267	312	356	406	455	504
		LIQUID TEMPERATURE (°F)	71	81	91	102	113	124	135
		LIQUID SUBCOOLING (°F)	6	7	8	6	5	3	0
		SUCTION PRESSURE (PSIG)	135	141	146	151	156	161	166
		SUCTION TEMPERATURE (°F)	86	82	78	75	76	77	78
		SUCTION SUPERHEAT (°F)	39	33	27	22	21	20	19
		OUTDOOR UNIT CURRENT (A)	3.9	4.6	5.3	5.9	6.7	7.4	8.2
		COMPRESSOR CURRENT (A)	3.3	3.9	4.5	5.2	5.9	6.6	7.4
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	18	17	16	15

Continued on next page.

YHJD18S41S2 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	400	LIQUID PRESSURE (PSIG)	224	267	310	352	402	452	503
		LIQUID TEMPERATURE (°F)	70	81	92	103	114	125	135
		LIQUID SUBCOOLING (°F)	7	7	6	4	3	1	-1
		SUCTION PRESSURE (PSIG)	130	134	137	141	145	150	154
		SUCTION TEMPERATURE (°F)	66	63	61	58	60	62	65
		SUCTION SUPERHEAT (°F)	21	16	13	9	9	9	11
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.2	5.8	6.5	7.2	7.9
		COMPRESSOR CURRENT (A)	3.3	3.9	4.5	5.1	5.8	6.5	7.1
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20
	600	LIQUID PRESSURE (PSIG)	227	269	312	355	405	454	504
		LIQUID TEMPERATURE (°F)	70	81	91	102	113	124	135
		LIQUID SUBCOOLING (°F)	8	8	8	6	5	2	0
		SUCTION PRESSURE (PSIG)	139	142	146	150	153	157	160
		SUCTION TEMPERATURE (°F)	86	82	78	74	73	72	70
		SUCTION SUPERHEAT (°F)	37	32	27	21	19	17	14
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.3	5.9	6.6	7.3	8.1
		COMPRESSOR CURRENT (A)	3.3	3.9	4.5	5.2	5.9	6.6	7.3
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	20	19	18	17
	800	LIQUID PRESSURE (PSIG)	229	272	315	358	407	456	505
		LIQUID TEMPERATURE (°F)	70	80	91	102	113	123	134
		LIQUID SUBCOOLING (°F)	8	10	9	7	5	4	1
		SUCTION PRESSURE (PSIG)	147	151	155	159	161	164	166
		SUCTION TEMPERATURE (°F)	106	101	96	90	86	81	76
		SUCTION SUPERHEAT (°F)	54	48	41	34	29	23	17
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.3	5.9	6.7	7.5	8.2
		COMPRESSOR CURRENT (A)	3.3	3.9	4.6	5.2	5.9	6.7	7.4
		INDOOR COIL DB TEMP DROP (°F)	16	16	16	16	15	15	15
80/72	400	LIQUID PRESSURE (PSIG)	227	270	314	358	407	456	504
		LIQUID TEMPERATURE (°F)	70	81	91	102	113	123	134
		LIQUID SUBCOOLING (°F)	8	8	8	7	5	4	1
		SUCTION PRESSURE (PSIG)	140	144	149	153	157	162	166
		SUCTION TEMPERATURE (°F)	91	85	80	75	76	77	78
		SUCTION SUPERHEAT (°F)	42	34	28	21	21	20	19
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.3	5.9	6.7	7.4	8.2
		COMPRESSOR CURRENT (A)	3.3	3.9	4.6	5.2	5.9	6.7	7.4
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	18	17	16
	600	LIQUID PRESSURE (PSIG)	229	273	317	360	410	459	509
		LIQUID TEMPERATURE (°F)	70	80	91	101	112	123	134
		LIQUID SUBCOOLING (°F)	8	10	9	8	7	4	1
		SUCTION PRESSURE (PSIG)	147	151	156	161	165	169	174
		SUCTION TEMPERATURE (°F)	103	99	95	91	91	90	90
		SUCTION SUPERHEAT (°F)	51	46	40	34	33	30	29
		OUTDOOR UNIT CURRENT (A)	4.0	4.6	5.3	6.0	6.7	7.5	8.2
		COMPRESSOR CURRENT (A)	3.3	3.9	4.6	5.3	6.0	6.7	7.4
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	14	13
	800	LIQUID PRESSURE (PSIG)	231	275	319	363	413	463	513
		LIQUID TEMPERATURE (°F)	69	80	90	101	111	122	133
		LIQUID SUBCOOLING (°F)	10	10	10	9	8	6	3
		SUCTION PRESSURE (PSIG)	153	158	164	169	173	177	181
		SUCTION TEMPERATURE (°F)	115	113	110	107	105	103	101
		SUCTION SUPERHEAT (°F)	61	57	52	47	44	41	37
		OUTDOOR UNIT CURRENT (A)	4.0	4.7	5.4	6.0	6.8	7.5	8.3
		COMPRESSOR CURRENT (A)	3.3	4.0	4.6	5.3	6.0	6.8	7.5
		INDOOR COIL DB TEMP DROP (°F)	12	12	12	12	12	11	11

YHJD18S41S2 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	450	LIQUID PRESSURE (PSIG)	259	276	299	319	334	360
		LIQUID TEMPERATURE (°F)	44	49	59	67	74	84
		LIQUID SUBCOOLING (°F)	42	42	37	33	30	25
		SUCTION PRESSURE (PSIG)	51	62	82	99	111	137
		SUCTION TEMPERATURE (°F)	17	24	34	41	46	57
		SUCTION SUPERHEAT (°F)	15	14	12	10	9	9
		OUTDOOR UNIT CURRENT (A)	5.1	5.3	5.5	5.6	5.7	5.9
		COMPRESSOR CURRENT (A)	4.3	4.5	4.7	4.8	4.9	5.2
		INDOOR COIL DB TEMP RISE (°F)	18	21	32	32	35	41
	600	LIQUID PRESSURE (PSIG)	244	258	277	293	305	327
		LIQUID TEMPERATURE (°F)	43	48	57	64	70	80
		LIQUID SUBCOOLING (°F)	39	38	34	31	27	22
		SUCTION PRESSURE (PSIG)	51	61	81	98	110	137
		SUCTION TEMPERATURE (°F)	16	23	33	41	46	57
		SUCTION SUPERHEAT (°F)	14	14	12	11	10	9
		OUTDOOR UNIT CURRENT (A)	4.9	5.0	5.2	5.2	5.3	5.5
		COMPRESSOR CURRENT (A)	4.1	4.2	4.4	4.4	4.5	4.7
		INDOOR COIL DB TEMP RISE (°F)	15	17	26	26	28	33
	750	LIQUID PRESSURE (PSIG)	228	240	254	267	277	294
		LIQUID TEMPERATURE (°F)	42	47	55	61	66	75
		LIQUID SUBCOOLING (°F)	36	34	30	27	25	20
		SUCTION PRESSURE (PSIG)	50	61	80	98	110	136
		SUCTION TEMPERATURE (°F)	16	22	31	42	46	57
		SUCTION SUPERHEAT (°F)	15	13	10	12	10	10
		OUTDOOR UNIT CURRENT (A)	4.7	4.8	4.9	4.9	4.9	5.0
		COMPRESSOR CURRENT (A)	4.0	4.0	4.1	4.1	4.1	4.2
		INDOOR COIL DB TEMP RISE (°F)	11	13	20	20	22	26
70	450	LIQUID PRESSURE (PSIG)	300	315	340	361	376	405
		LIQUID TEMPERATURE (°F)	50	55	66	74	79	91
		LIQUID SUBCOOLING (°F)	46	45	39	35	33	27
		SUCTION PRESSURE (PSIG)	52	62	83	100	111	138
		SUCTION TEMPERATURE (°F)	19	25	35	42	46	57
		SUCTION SUPERHEAT (°F)	16	15	12	11	9	9
		OUTDOOR UNIT CURRENT (A)	5.8	5.9	6.1	6.2	6.3	6.6
		COMPRESSOR CURRENT (A)	5.0	5.1	5.3	5.4	5.6	5.8
		INDOOR COIL DB TEMP RISE (°F)	17	21	30	30	34	39
	600	LIQUID PRESSURE (PSIG)	284	297	317	334	346	370
		LIQUID TEMPERATURE (°F)	49	54	64	71	76	86
		LIQUID SUBCOOLING (°F)	43	41	36	33	30	25
		SUCTION PRESSURE (PSIG)	51	62	82	99	111	137
		SUCTION TEMPERATURE (°F)	18	24	34	42	46	57
		SUCTION SUPERHEAT (°F)	16	14	12	11	9	9
		OUTDOOR UNIT CURRENT (A)	5.5	5.6	5.7	5.8	3.3	6.1
		COMPRESSOR CURRENT (A)	4.7	4.8	4.9	5.0	5.1	5.3
		INDOOR COIL DB TEMP RISE (°F)	14	17	25	25	27	32
	750	LIQUID PRESSURE (PSIG)	267	278	293	307	317	335
		LIQUID TEMPERATURE (°F)	48	53	62	68	73	81
		LIQUID SUBCOOLING (°F)	40	38	33	30	27	23
		SUCTION PRESSURE (PSIG)	51	61	81	98	111	137
		SUCTION TEMPERATURE (°F)	18	24	33	42	47	57
		SUCTION SUPERHEAT (°F)	16	15	12	12	10	9
		OUTDOOR UNIT CURRENT (A)	5.3	5.3	5.4	5.5	5.5	5.6
		COMPRESSOR CURRENT (A)	4.5	4.5	4.6	4.7	4.7	4.8
		INDOOR COIL DB TEMP RISE (°F)	11	13	19	19	21	25

Continued on next page.

YHJD18S41S2 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	450	LIQUID PRESSURE (PSIG)	341	354	380	402	418	450
		LIQUID TEMPERATURE (°F)	56	61	72	80	85	97
		LIQUID SUBCOOLING (°F)	49	47	41	37	35	29
		SUCTION PRESSURE (PSIG)	52	62	84	101	111	138
		SUCTION TEMPERATURE (°F)	20	26	35	43	47	58
		SUCTION SUPERHEAT (°F)	17	16	12	11	10	10
		OUTDOOR UNIT CURRENT (A)	6.4	6.4	6.6	6.8	6.9	7.2
		COMPRESSOR CURRENT (A)	5.6	5.6	5.8	6.0	6.2	6.5
		INDOOR COIL DB TEMP RISE (°F)	17	20	29	29	32	38
	600	LIQUID PRESSURE (PSIG)	324	335	356	374	387	413
		LIQUID TEMPERATURE (°F)	55	61	70	78	82	92
		LIQUID SUBCOOLING (°F)	47	43	38	34	32	27
		SUCTION PRESSURE (PSIG)	52	62	83	99	111	138
		SUCTION TEMPERATURE (°F)	20	26	35	42	47	57
		SUCTION SUPERHEAT (°F)	17	16	12	11	10	9
		OUTDOOR UNIT CURRENT (A)	6.1	6.1	6.3	6.4	1.3	6.7
		COMPRESSOR CURRENT (A)	5.3	5.3	5.5	5.6	5.7	5.9
		INDOOR COIL DB TEMP RISE (°F)	13	16	24	24	26	31
	750	LIQUID PRESSURE (PSIG)	306	316	332	347	357	376
		LIQUID TEMPERATURE (°F)	54	60	68	75	79	88
		LIQUID SUBCOOLING (°F)	44	40	35	31	29	24
		SUCTION PRESSURE (PSIG)	52	62	83	98	111	138
		SUCTION TEMPERATURE (°F)	20	25	35	41	47	57
		SUCTION SUPERHEAT (°F)	17	15	12	11	10	9
		OUTDOOR UNIT CURRENT (A)	5.8	5.8	6.0	6.0	6.0	6.2
		COMPRESSOR CURRENT (A)	5.0	5.0	5.2	5.3	5.2	5.4
		INDOOR COIL DB TEMP RISE (°F)	10	12	18	18	20	24

FOR USE WITH MODELS:

YHJD24S41S4
THJD24S41S4
THGD24S41S4
GHGD24S41S4
CHJD24S41Q4
RHP13J244S22

YHJD24S41S4 SUPERHEAT CHARGING CHART												
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE											
	110	115	120	125	130	135	140	145	150	155	160	165
	TEMPERATURE (°F) AT SUCTION BASE VALVE											
65	55	63	70	78	85	92	100	..	..	..	..	..
70	50	57	64	72	79	86	94	..	..	..	..	..
75	..	52	59	66	73	80	88	95	..	..	..	..
80	..	..	54	61	68	75	82	89	97	..	..	..
85	..	..	50	56	62	69	76	83	90	..	..	..
90	..	..	..	51	57	64	70	77	85	92	..	..
95	..	..	..	..	53	59	65	71	78	85	93	..
100	..	..	..	..	..	55	61	67	74	81	88	..
105	..	..	..	..	..	..	59	64	69	75	82	89
110	..	..	..	..	..	..	..	61	66	71	77	84
115	..	..	..	..	..	..	..	60	63	68	73	78
120	..	..	..	..	..	..	..	..	62	65	69	74
125	..	..	..	..	..	..	..	..	61	64	67	70

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

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

YHJD24S41S4 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJD24S41S4	35	107	23.9	1.32	20.7	1.33	17.5	1.34	14.3	1.34	11.2	1.35	8.0	1.36	4.8	1.36
	40	119	27.0	1.54	23.9	1.55	20.7	1.57	17.6	1.58	14.4	1.59	11.3	1.61	8.1	1.62
	45	130	30.1	1.75	27.0	1.77	23.9	1.80	20.8	1.82	17.7	1.84	14.6	1.86	11.5	1.88
	50	143	33.3	1.97	30.2	2.00	27.1	2.03	24.0	2.05	21.0	2.08	17.9	2.11	14.8	2.14
	55	156	36.4	2.18	33.4	2.22	30.3	2.26	27.3	2.29	24.2	2.33	21.2	2.36	18.1	2.40

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJD24S41S4 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	595	LIQUID PRESSURE (PSIG)	229	270	311	352	396	439	483
		LIQUID TEMPERATURE (°F)	70	81	92	103	113	124	134
		LIQUID SUBCOOLING (°F)	8	8	7	4	3	0	-3
		SUCTION PRESSURE (PSIG)	116	121	127	132	138	144	150
		SUCTION TEMPERATURE (°F)	61	58	56	53	56	59	62
		SUCTION SUPERHEAT (°F)	22	17	12	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	6.3	6.8	7.3	7.8	8.2	8.6	8.9
		COMPRESSOR CURRENT (A)	5.3	5.9	6.4	6.9	7.3	7.6	8.0
		INDOOR COIL DB TEMP DROP (°F)	28	26	25	24	22	20	19
	795	LIQUID PRESSURE (PSIG)	231	273	314	356	398	441	483
		LIQUID TEMPERATURE (°F)	70	81	92	102	113	124	135
		LIQUID SUBCOOLING (°F)	9	9	7	6	3	0	-4
		SUCTION PRESSURE (PSIG)	122	127	132	137	142	148	153
		SUCTION TEMPERATURE (°F)	75	70	64	59	60	61	62
		SUCTION SUPERHEAT (°F)	33	26	18	11	10	9	8
		OUTDOOR UNIT CURRENT (A)	6.3	6.9	7.4	8.0	8.3	8.7	9.1
		COMPRESSOR CURRENT (A)	5.4	5.9	6.5	7.0	7.4	7.8	8.1
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	18	17
	995	LIQUID PRESSURE (PSIG)	234	276	318	360	401	442	484
		LIQUID TEMPERATURE (°F)	70	81	91	101	113	124	136
		LIQUID SUBCOOLING (°F)	10	10	9	8	4	0	-5
		SUCTION PRESSURE (PSIG)	127	132	137	143	147	151	156
		SUCTION TEMPERATURE (°F)	90	81	73	65	64	63	61
		SUCTION SUPERHEAT (°F)	46	35	25	15	12	10	6
		OUTDOOR UNIT CURRENT (A)	6.3	6.9	7.5	8.1	8.5	8.9	9.2
		COMPRESSOR CURRENT (A)	5.4	6.0	6.5	7.1	7.5	7.9	8.3
		INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	17	16	14
80/62	595	LIQUID PRESSURE (PSIG)	229	270	311	352	395	438	482
		LIQUID TEMPERATURE (°F)	70	81	92	103	113	124	134
		LIQUID SUBCOOLING (°F)	8	8	7	4	3	0	-3
		SUCTION PRESSURE (PSIG)	117	122	127	132	137	143	149
		SUCTION TEMPERATURE (°F)	63	60	57	53	56	59	62
		SUCTION SUPERHEAT (°F)	24	18	13	7	8	9	10
		OUTDOOR UNIT CURRENT (A)	6.3	6.8	7.3	7.8	8.2	8.5	8.9
		COMPRESSOR CURRENT (A)	5.4	5.9	6.4	6.9	7.2	7.6	7.9
		INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	26	24	22
	795	LIQUID PRESSURE (PSIG)	234	274	314	355	400	446	491
		LIQUID TEMPERATURE (°F)	69	80	92	103	113	124	134
		LIQUID SUBCOOLING (°F)	11	10	7	5	4	1	-2
		SUCTION PRESSURE (PSIG)	123	127	132	137	144	151	158
		SUCTION TEMPERATURE (°F)	74	70	66	62	64	66	67
		SUCTION SUPERHEAT (°F)	32	26	20	14	13	13	11
		OUTDOOR UNIT CURRENT (A)	6.4	6.9	7.4	8.0	8.5	8.9	9.4
		COMPRESSOR CURRENT (A)	5.4	5.9	6.5	7.0	7.5	8.0	8.5
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	23	21	20
	995	LIQUID PRESSURE (PSIG)	238	278	318	358	405	453	500
		LIQUID TEMPERATURE (°F)	69	80	91	102	113	123	134
		LIQUID SUBCOOLING (°F)	12	11	9	7	5	3	0
		SUCTION PRESSURE (PSIG)	129	133	138	142	150	158	167
		SUCTION TEMPERATURE (°F)	84	80	75	71	72	72	73
		SUCTION SUPERHEAT (°F)	39	34	27	21	19	16	14
		OUTDOOR UNIT CURRENT (A)	6.4	7.0	7.5	8.1	8.7	9.3	10.0
		COMPRESSOR CURRENT (A)	5.4	6.0	6.6	7.1	7.8	8.4	9.0
		INDOOR COIL DB TEMP DROP (°F)	25	24	22	21	20	18	17

Continued on next page.

YHJD24S41S4 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	595	LIQUID PRESSURE (PSIG)	236	277	318	360	405	451	496
		LIQUID TEMPERATURE (°F)	69	80	91	101	113	125	136
		LIQUID SUBCOOLING (°F)	11	11	9	8	5	1	-3
		SUCTION PRESSURE (PSIG)	126	131	137	142	147	152	158
		SUCTION TEMPERATURE (°F)	77	73	68	64	64	63	62
		SUCTION SUPERHEAT (°F)	34	28	20	14	12	9	6
		OUTDOOR UNIT CURRENT (A)	6.4	6.9	7.5	8.0	8.6	9.1	9.7
		COMPRESSOR CURRENT (A)	5.4	6.0	6.5	7.1	7.6	8.2	8.7
		INDOOR COIL DB TEMP DROP (°F)	28	27	25	24	23	21	20
	795	LIQUID PRESSURE (PSIG)	238	280	322	364	408	452	496
		LIQUID TEMPERATURE (°F)	69	79	90	100	111	123	134
		LIQUID SUBCOOLING (°F)	12	12	11	10	7	3	-1
		SUCTION PRESSURE (PSIG)	130	136	142	148	152	157	162
		SUCTION TEMPERATURE (°F)	85	81	77	73	71	69	68
		SUCTION SUPERHEAT (°F)	40	34	27	21	17	14	11
		OUTDOOR UNIT CURRENT (A)	6.4	7.0	7.6	8.2	8.7	9.3	9.8
		COMPRESSOR CURRENT (A)	5.4	6.0	6.6	7.2	7.8	8.3	8.9
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	18
	995	LIQUID PRESSURE (PSIG)	241	283	326	368	411	454	497
		LIQUID TEMPERATURE (°F)	69	79	89	99	110	121	133
		LIQUID SUBCOOLING (°F)	13	13	13	12	9	5	1
		SUCTION PRESSURE (PSIG)	135	141	147	153	158	162	166
		SUCTION TEMPERATURE (°F)	93	90	86	82	79	76	73
		SUCTION SUPERHEAT (°F)	46	41	34	28	23	19	14
		OUTDOOR UNIT CURRENT (A)	6.4	7.0	7.7	8.3	8.9	9.4	10.0
		COMPRESSOR CURRENT (A)	5.4	6.1	6.7	7.4	7.9	8.5	9.0
		INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	18	17	16
80/72	595	LIQUID PRESSURE (PSIG)	238	281	324	366	411	456	501
		LIQUID TEMPERATURE (°F)	69	79	89	99	110	120	131
		LIQUID SUBCOOLING (°F)	12	13	13	11	9	7	3
		SUCTION PRESSURE (PSIG)	130	137	144	151	158	164	170
		SUCTION TEMPERATURE (°F)	85	83	81	79	77	76	75
		SUCTION SUPERHEAT (°F)	40	35	30	26	21	18	15
		OUTDOOR UNIT CURRENT (A)	6.3	7.0	7.6	8.3	8.9	9.5	10.1
		COMPRESSOR CURRENT (A)	5.4	6.0	6.7	7.3	7.9	8.5	9.1
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	20	19	17	16
	795	LIQUID PRESSURE (PSIG)	243	285	327	369	415	461	506
		LIQUID TEMPERATURE (°F)	68	79	89	99	109	119	129
		LIQUID SUBCOOLING (°F)	14	14	13	12	11	9	6
		SUCTION PRESSURE (PSIG)	135	142	149	156	162	169	175
		SUCTION TEMPERATURE (°F)	92	90	88	87	85	83	81
		SUCTION SUPERHEAT (°F)	45	40	36	32	28	23	19
		OUTDOOR UNIT CURRENT (A)	6.4	7.0	7.7	8.4	9.0	9.6	10.2
		COMPRESSOR CURRENT (A)	5.4	6.1	6.8	7.4	8.0	8.6	9.2
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	16	15	14
	995	LIQUID PRESSURE (PSIG)	247	289	330	372	419	465	512
		LIQUID TEMPERATURE (°F)	68	78	88	98	108	118	128
		LIQUID SUBCOOLING (°F)	15	16	15	13	12	10	8
		SUCTION PRESSURE (PSIG)	140	147	154	160	167	174	180
		SUCTION TEMPERATURE (°F)	99	97	96	95	92	89	86
		SUCTION SUPERHEAT (°F)	50	45	42	39	33	28	23
		OUTDOOR UNIT CURRENT (A)	6.4	7.1	7.8	8.5	9.1	9.7	10.3
		COMPRESSOR CURRENT (A)	5.5	6.1	6.8	7.5	8.1	8.8	9.4
		INDOOR COIL DB TEMP DROP (°F)	15	15	15	14	13	13	12

YHJD24S41S4 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	600	LIQUID PRESSURE (PSIG)	235	242	298	349	381	436
		LIQUID TEMPERATURE (°F)	62	62	61	64	65	67
		LIQUID SUBCOOLING (°F)	18	20	35	43	48	56
		SUCTION PRESSURE (PSIG)	57	61	82	98	110	126
		SUCTION TEMPERATURE (°F)	6	9	22	41	49	62
		SUCTION SUPERHEAT (°F)	0	0	0	11	13	19
		OUTDOOR UNIT CURRENT (A)	5.9	6.0	6.6	7.3	7.8	8.3
		COMPRESSOR CURRENT (A)	4.8	5.0	5.5	6.1	6.8	7.4
		INDOOR COIL DB TEMP RISE (°F)	16	18	32	32	34	39
	800	LIQUID PRESSURE (PSIG)	215	229	285	323	351	398
		LIQUID TEMPERATURE (°F)	62	59	59	61	62	64
		LIQUID SUBCOOLING (°F)	12	19	34	40	45	52
		SUCTION PRESSURE (PSIG)	50	58	79	92	103	117
		SUCTION TEMPERATURE (°F)	0	7	22	42	49	61
		SUCTION SUPERHEAT (°F)	-1	0	2	15	16	22
		OUTDOOR UNIT CURRENT (A)	5.7	6.0	6.5	7.0	7.5	8.0
		COMPRESSOR CURRENT (A)	4.6	4.9	5.4	5.9	6.4	6.9
		INDOOR COIL DB TEMP RISE (°F)	11	14	25	25	27	30
	1000	LIQUID PRESSURE (PSIG)	196	216	271	297	322	360
		LIQUID TEMPERATURE (°F)	62	56	56	58	60	62
		LIQUID SUBCOOLING (°F)	7	19	33	37	41	47
		SUCTION PRESSURE (PSIG)	42	55	76	86	95	108
		SUCTION TEMPERATURE (°F)	-5	5	22	43	49	61
		SUCTION SUPERHEAT (°F)	0	0	3	19	20	26
		OUTDOOR UNIT CURRENT (A)	5.5	5.9	6.4	6.6	7.1	7.5
		COMPRESSOR CURRENT (A)	4.5	4.8	5.3	5.6	6.0	6.5
		INDOOR COIL DB TEMP RISE (°F)	6	11	18	18	19	22
70	600	LIQUID PRESSURE (PSIG)	261	275	326	379	412	472
		LIQUID TEMPERATURE (°F)	74	72	71	72	74	76
		LIQUID SUBCOOLING (°F)	13	18	31	41	45	53
		SUCTION PRESSURE (PSIG)	58	65	84	101	113	131
		SUCTION TEMPERATURE (°F)	7	11	23	39	47	62
		SUCTION SUPERHEAT (°F)	0	-1	0	7	9	17
		OUTDOOR UNIT CURRENT (A)	6.0	6.2	6.8	7.5	8.1	8.7
		COMPRESSOR CURRENT (A)	4.9	5.1	5.8	6.4	7.0	7.7
		INDOOR COIL DB TEMP RISE (°F)	14	17	30	30	33	38
	800	LIQUID PRESSURE (PSIG)	248	264	315	357	387	437
		LIQUID TEMPERATURE (°F)	72	69	68	70	71	73
		LIQUID SUBCOOLING (°F)	11	19	32	38	43	51
		SUCTION PRESSURE (PSIG)	54	63	82	96	108	123
		SUCTION TEMPERATURE (°F)	4	10	23	41	48	62
		SUCTION SUPERHEAT (°F)	0	-1	1	12	13	20
		OUTDOOR UNIT CURRENT (A)	5.9	6.1	6.7	7.2	7.8	8.4
		COMPRESSOR CURRENT (A)	4.8	5.1	5.6	6.2	6.7	7.3
		INDOOR COIL DB TEMP RISE (°F)	10	14	23	23	26	29
	1000	LIQUID PRESSURE (PSIG)	235	253	303	334	362	401
		LIQUID TEMPERATURE (°F)	71	65	65	67	68	71
		LIQUID SUBCOOLING (°F)	9	20	32	37	41	46
		SUCTION PRESSURE (PSIG)	50	61	81	91	102	115
		SUCTION TEMPERATURE (°F)	1	9	23	43	50	62
		SUCTION SUPERHEAT (°F)	0	0	2	16	18	24
		OUTDOOR UNIT CURRENT (A)	5.8	6.1	6.6	7.0	7.5	8.0
		COMPRESSOR CURRENT (A)	4.8	5.1	5.6	6.0	6.5	7.0
		INDOOR COIL DB TEMP RISE (°F)	7	10	17	17	19	21

Continued on next page.

YHJD24S41S4 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	600	LIQUID PRESSURE (PSIG)	288	308	354	409	444	508
		LIQUID TEMPERATURE (°F)	86	82	80	81	83	85
		LIQUID SUBCOOLING (°F)	7	16	28	38	42	50
		SUCTION PRESSURE (PSIG)	59	69	86	103	116	136
		SUCTION TEMPERATURE (°F)	8	14	24	38	45	62
		SUCTION SUPERHEAT (°F)	0	0	0	5	6	15
		OUTDOOR UNIT CURRENT (A)	6.1	6.4	7.0	7.6	8.3	9.1
		COMPRESSOR CURRENT (A)	5.0	5.3	6.0	6.6	7.3	8.1
		INDOOR COIL DB TEMP RISE (°F)	11	16	28	28	31	36
	800	LIQUID PRESSURE (PSIG)	281	299	345	390	423	475
		LIQUID TEMPERATURE (°F)	83	78	77	79	80	82
		LIQUID SUBCOOLING (°F)	9	18	29	36	41	48
		SUCTION PRESSURE (PSIG)	59	68	86	100	112	129
		SUCTION TEMPERATURE (°F)	7	13	24	41	47	62
		SUCTION SUPERHEAT (°F)	-1	-1	0	10	10	17
		OUTDOOR UNIT CURRENT (A)	6.1	6.4	7.0	7.5	8.1	8.8
		COMPRESSOR CURRENT (A)	5.0	5.3	5.9	6.5	7.0	7.8
		INDOOR COIL DB TEMP RISE (°F)	10	13	22	22	25	28
	1000	LIQUID PRESSURE (PSIG)	273	289	335	372	402	441
		LIQUID TEMPERATURE (°F)	79	75	74	76	77	79
		LIQUID SUBCOOLING (°F)	11	19	30	35	40	45
		SUCTION PRESSURE (PSIG)	59	67	85	97	109	122
		SUCTION TEMPERATURE (°F)	7	13	23	44	50	63
		SUCTION SUPERHEAT (°F)	-1	0	-1	14	14	21
		OUTDOOR UNIT CURRENT (A)	6.1	6.4	6.9	7.4	8.0	8.5
		COMPRESSOR CURRENT (A)	5.0	5.4	5.9	6.3	6.9	7.5
		INDOOR COIL DB TEMP RISE (°F)	8	10	17	17	19	21

FOR USE WITH MODELS:

YHJD30S41S4
YHJD30S43S4
YHJD30S44S4
THJD30S41S4
THJD30S43S4
THJD30S44S4
THGD30S41S4
GHGD30S41S4
CHJD30S41Q4
RHP13J304S22
RHP13J304S31

YHJD30S41S4 SUPERHEAT CHARGING CHART												
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE											
	115	120	125	130	135	140	145	150	155	160	165	170
	TEMPERATURE (°F) AT SUCTION BASE VALVE											
65	40	43	49	60	75	..	..	..	..	..	..	..
70	42	42	47	55	66	81	..	..	..	..	..	..
75	..	43	46	51	59	71	85	..	..	..	..	..
80	..	..	45	50	56	65	75	88	..	..	..	..
85	..	..	46	48	52	58	67	77	90	..	..	..
90	..	..	..	48	51	56	62	70	80	..	..	..
95	..	..	..	..	50	53	57	64	72	82	..	..
100	..	..	..	..	50	52	56	61	67	75	..	..
105	..	..	..	..	..	52	54	58	63	69	77	..
110	..	..	..	..	..	..	54	57	61	65	72	79
115	..	..	..	..	..	..	55	56	58	62	67	73
120	..	..	..	..	..	..	..	57	58	60	64	68
125	..	..	..	..	..	..	..	58	58	59	62	65

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

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

YHJD30S41S4 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJD30S41S4	35	107	25.1	1.67	23.3	1.64	21.6	1.62	19.9	1.60	18.2	1.58	16.4	1.56	14.7	1.54
	40	119	29.7	1.88	27.4	1.89	25.2	1.89	23.0	1.89	20.7	1.90	18.5	1.90	16.2	1.90
	45	130	34.3	2.10	31.5	2.13	28.8	2.16	26.0	2.18	23.3	2.21	20.5	2.24	17.8	2.27
	50	143	38.9	2.32	35.6	2.37	32.4	2.42	29.1	2.47	25.8	2.52	22.6	2.58	19.3	2.63
	55	156	43.5	2.53	39.7	2.61	36.0	2.69	32.2	2.76	28.4	2.84	24.6	2.91	20.8	2.99

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJD30S41S4 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	235	274	313	352	400	448	497
		LIQUID TEMPERATURE (°F)	72	82	93	103	114	124	135
		LIQUID SUBCOOLING (°F)	8	8	6	4	3	1	-2
		SUCTION PRESSURE (PSIG)	120	125	129	133	138	143	148
		SUCTION TEMPERATURE (°F)	44	46	48	50	52	54	56
		SUCTION SUPERHEAT (°F)	3	3	3	4	4	4	4
		OUTDOOR UNIT CURRENT (A)	7.8	8.4	8.9	9.4	10.0	10.6	11.2
		COMPRESSOR CURRENT (A)	6.9	7.4	7.9	8.5	9.1	9.7	10.3
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	23	22	20	19
	1000	LIQUID PRESSURE (PSIG)	239	278	317	355	404	453	502
		LIQUID TEMPERATURE (°F)	71	82	92	102	113	124	135
		LIQUID SUBCOOLING (°F)	10	9	8	6	5	2	-1
		SUCTION PRESSURE (PSIG)	125	129	133	137	142	147	151
		SUCTION TEMPERATURE (°F)	50	51	51	51	53	55	57
		SUCTION SUPERHEAT (°F)	7	6	5	3	3	3	4
		OUTDOOR UNIT CURRENT (A)	7.9	8.4	9.0	9.6	10.2	10.7	11.3
		COMPRESSOR CURRENT (A)	6.9	7.5	8.0	8.6	9.2	9.7	10.3
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	18	17
	1200	LIQUID PRESSURE (PSIG)	243	282	320	359	408	457	506
		LIQUID TEMPERATURE (°F)	71	81	92	102	113	124	135
		LIQUID SUBCOOLING (°F)	11	11	9	7	5	3	0
		SUCTION PRESSURE (PSIG)	130	134	138	141	146	150	154
		SUCTION TEMPERATURE (°F)	57	56	54	53	55	57	58
		SUCTION SUPERHEAT (°F)	12	9	6	4	4	4	4
		OUTDOOR UNIT CURRENT (A)	7.9	8.5	9.1	9.7	10.3	10.8	11.3
		COMPRESSOR CURRENT (A)	6.9	7.5	8.2	8.8	9.3	9.8	10.3
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	18	17	15
80/62	800	LIQUID PRESSURE (PSIG)	235	274	313	352	401	450	500
		LIQUID TEMPERATURE (°F)	73	83	93	103	113	124	135
		LIQUID SUBCOOLING (°F)	7	7	6	4	4	2	-1
		SUCTION PRESSURE (PSIG)	120	124	129	133	139	146	152
		SUCTION TEMPERATURE (°F)	44	45	47	49	52	55	58
		SUCTION SUPERHEAT (°F)	3	3	2	3	3	4	4
		OUTDOOR UNIT CURRENT (A)	7.8	8.4	8.9	9.4	10.0	10.6	11.2
		COMPRESSOR CURRENT (A)	6.9	7.4	7.9	8.5	9.0	9.6	10.2
		INDOOR COIL DB TEMP DROP (°F)	32	31	29	28	26	24	23
	1000	LIQUID PRESSURE (PSIG)	239	278	317	355	404	453	503
		LIQUID TEMPERATURE (°F)	72	82	92	102	113	124	134
		LIQUID SUBCOOLING (°F)	9	9	8	6	5	2	0
		SUCTION PRESSURE (PSIG)	125	129	133	137	144	152	159
		SUCTION TEMPERATURE (°F)	50	51	51	51	54	57	61
		SUCTION SUPERHEAT (°F)	7	6	5	3	3	3	5
		OUTDOOR UNIT CURRENT (A)	7.9	8.4	9.0	9.6	10.2	10.9	11.5
		COMPRESSOR CURRENT (A)	6.9	7.5	8.0	8.6	9.3	9.9	10.6
		INDOOR COIL DB TEMP DROP (°F)	29	28	26	25	23	22	20
	1200	LIQUID PRESSURE (PSIG)	244	282	320	359	408	456	505
		LIQUID TEMPERATURE (°F)	71	81	92	102	113	123	134
		LIQUID SUBCOOLING (°F)	11	11	9	7	5	4	1
		SUCTION PRESSURE (PSIG)	131	134	138	141	150	158	166
		SUCTION TEMPERATURE (°F)	57	56	54	53	57	60	63
		SUCTION SUPERHEAT (°F)	12	9	6	4	4	4	4
		OUTDOOR UNIT CURRENT (A)	7.9	8.5	9.1	9.7	10.4	11.1	11.9
		COMPRESSOR CURRENT (A)	6.9	7.6	8.2	8.8	9.5	10.2	10.9
		INDOOR COIL DB TEMP DROP (°F)	27	25	24	22	21	19	18

Continued on next page.

YHJD30S41S4 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	800	LIQUID PRESSURE (PSIG)	245	282	320	358	406	455	503
		LIQUID TEMPERATURE (°F)	70	81	92	102	113	124	134
		LIQUID SUBCOOLING (°F)	13	11	9	7	5	3	0
		SUCTION PRESSURE (PSIG)	131	135	139	143	149	154	159
		SUCTION TEMPERATURE (°F)	57	56	55	54	56	58	61
		SUCTION SUPERHEAT (°F)	12	9	6	4	4	4	5
		OUTDOOR UNIT CURRENT (A)	7.9	8.6	9.2	9.8	10.4	11.0	11.5
		COMPRESSOR CURRENT (A)	7.0	7.6	8.2	8.8	9.4	10.0	10.6
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	22	21	19
	1000	LIQUID PRESSURE (PSIG)	240	280	320	360	408	456	504
		LIQUID TEMPERATURE (°F)	70	80	91	102	112	123	134
		LIQUID SUBCOOLING (°F)	11	11	10	7	6	4	1
		SUCTION PRESSURE (PSIG)	133	138	143	148	153	158	162
		SUCTION TEMPERATURE (°F)	70	67	64	62	61	60	59
		SUCTION SUPERHEAT (°F)	24	19	14	10	7	4	2
		OUTDOOR UNIT CURRENT (A)	7.8	8.5	9.2	9.9	10.5	11.2	11.8
		COMPRESSOR CURRENT (A)	6.8	7.5	8.2	9.0	9.6	10.2	10.8
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	22	20	19	18
	1200	LIQUID PRESSURE (PSIG)	236	278	320	362	410	457	505
		LIQUID TEMPERATURE (°F)	69	80	90	101	112	123	134
		LIQUID SUBCOOLING (°F)	11	11	11	8	7	4	1
		SUCTION PRESSURE (PSIG)	136	141	147	152	157	161	165
		SUCTION TEMPERATURE (°F)	82	78	74	69	65	61	57
		SUCTION SUPERHEAT (°F)	35	29	22	15	10	4	-1
		OUTDOOR UNIT CURRENT (A)	7.7	8.5	9.3	10.0	10.7	11.4	12.0
		COMPRESSOR CURRENT (A)	6.7	7.5	8.3	9.1	9.7	10.4	11.1
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	17	16
80/72	800	LIQUID PRESSURE (PSIG)	235	278	321	364	411	459	506
		LIQUID TEMPERATURE (°F)	69	80	90	101	112	123	134
		LIQUID SUBCOOLING (°F)	11	11	11	9	7	4	1
		SUCTION PRESSURE (PSIG)	134	141	147	154	160	166	171
		SUCTION TEMPERATURE (°F)	77	75	73	71	69	66	64
		SUCTION SUPERHEAT (°F)	30	26	21	17	13	7	4
		OUTDOOR UNIT CURRENT (A)	7.7	8.5	9.3	10.1	10.6	11.2	11.7
		COMPRESSOR CURRENT (A)	6.7	7.5	8.3	9.1	9.6	10.2	10.7
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	19	18	17	15
	1000	LIQUID PRESSURE (PSIG)	237	280	323	366	414	462	510
		LIQUID TEMPERATURE (°F)	69	79	90	100	111	122	133
		LIQUID SUBCOOLING (°F)	11	12	11	10	8	6	3
		SUCTION PRESSURE (PSIG)	137	144	151	158	164	170	176
		SUCTION TEMPERATURE (°F)	83	81	79	77	75	73	71
		SUCTION SUPERHEAT (°F)	35	30	26	21	17	13	9
		OUTDOOR UNIT CURRENT (A)	7.7	8.5	9.3	10.1	10.8	11.5	12.2
		COMPRESSOR CURRENT (A)	6.7	7.5	8.3	9.2	9.9	10.5	11.2
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	16	15	14
	1200	LIQUID PRESSURE (PSIG)	238	281	324	367	416	465	513
		LIQUID TEMPERATURE (°F)	69	79	90	100	111	122	133
		LIQUID SUBCOOLING (°F)	12	13	12	10	9	6	3
		SUCTION PRESSURE (PSIG)	140	147	154	161	167	174	180
		SUCTION TEMPERATURE (°F)	90	87	85	82	81	79	77
		SUCTION SUPERHEAT (°F)	41	35	31	25	22	18	14
		OUTDOOR UNIT CURRENT (A)	7.7	8.5	9.4	10.2	11.0	11.8	12.7
		COMPRESSOR CURRENT (A)	6.7	7.5	8.4	9.2	10.1	10.9	11.7
		INDOOR COIL DB TEMP DROP (°F)	16	16	15	15	14	13	12

YHJD30S41S4 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	800	LIQUID PRESSURE (PSIG)	225	249	298	334	362	410
		LIQUID TEMPERATURE (°F)	58	57	59	60	61	63
		LIQUID SUBCOOLING (°F)	19	27	37	44	48	56
		SUCTION PRESSURE (PSIG)	57	64	82	95	103	117
		SUCTION TEMPERATURE (°F)	4	9	23	40	46	58
		SUCTION SUPERHEAT (°F)	-2	-2	1	11	13	19
		OUTDOOR UNIT CURRENT (A)	6.8	7.1	7.9	8.6	9.0	9.7
		COMPRESSOR CURRENT (A)	5.7	6.0	6.8	7.5	7.9	8.6
		INDOOR COIL DB TEMP RISE (°F)	14	18	28	28	31	34
	1000	LIQUID PRESSURE (PSIG)	218	244	288	320	343	382
		LIQUID TEMPERATURE (°F)	56	55	57	58	59	61
		LIQUID SUBCOOLING (°F)	19	27	36	43	47	52
		SUCTION PRESSURE (PSIG)	55	64	80	92	99	110
		SUCTION TEMPERATURE (°F)	3	9	27	40	46	58
		SUCTION SUPERHEAT (°F)	-2	-2	6	13	15	22
		OUTDOOR UNIT CURRENT (A)	6.8	7.1	7.7	8.4	8.7	9.2
		COMPRESSOR CURRENT (A)	5.7	6.0	6.6	7.3	7.6	8.2
		INDOOR COIL DB TEMP RISE (°F)	12	15	23	23	25	28
	1200	LIQUID PRESSURE (PSIG)	211	239	278	306	324	354
		LIQUID TEMPERATURE (°F)	54	53	55	57	57	59
		LIQUID SUBCOOLING (°F)	19	28	36	41	45	49
		SUCTION PRESSURE (PSIG)	54	63	79	89	94	104
		SUCTION TEMPERATURE (°F)	2	9	31	40	46	58
		SUCTION SUPERHEAT (°F)	-2	-2	11	14	18	25
		OUTDOOR UNIT CURRENT (A)	6.8	7.0	7.6	8.2	8.3	8.8
		COMPRESSOR CURRENT (A)	5.7	5.9	6.5	7.1	7.3	7.7
		INDOOR COIL DB TEMP RISE (°F)	10	13	18	18	19	21
70	800	LIQUID PRESSURE (PSIG)	253	274	325	367	397	452
		LIQUID TEMPERATURE (°F)	69	67	67	69	70	72
		LIQUID SUBCOOLING (°F)	16	23	35	41	46	54
		SUCTION PRESSURE (PSIG)	58	66	83	98	107	123
		SUCTION TEMPERATURE (°F)	5	10	22	37	45	59
		SUCTION SUPERHEAT (°F)	-2	-3	-1	7	10	17
		OUTDOOR UNIT CURRENT (A)	6.9	7.2	8.1	8.9	9.3	10.2
		COMPRESSOR CURRENT (A)	5.8	6.1	7.0	7.8	8.2	9.2
		INDOOR COIL DB TEMP RISE (°F)	12	16	27	27	29	33
	1000	LIQUID PRESSURE (PSIG)	246	268	316	354	379	426
		LIQUID TEMPERATURE (°F)	67	65	66	67	68	70
		LIQUID SUBCOOLING (°F)	16	24	34	41	45	52
		SUCTION PRESSURE (PSIG)	57	65	82	96	103	117
		SUCTION TEMPERATURE (°F)	4	10	24	39	46	59
		SUCTION SUPERHEAT (°F)	-2	-2	2	10	13	20
		OUTDOOR UNIT CURRENT (A)	6.8	7.2	8.0	8.7	9.1	9.8
		COMPRESSOR CURRENT (A)	5.7	6.1	6.9	7.7	8.0	8.8
		INDOOR COIL DB TEMP RISE (°F)	10	13	22	22	24	27
	1200	LIQUID PRESSURE (PSIG)	240	262	308	341	361	400
		LIQUID TEMPERATURE (°F)	65	63	64	65	66	68
		LIQUID SUBCOOLING (°F)	16	24	34	40	43	49
		SUCTION PRESSURE (PSIG)	57	65	81	93	99	111
		SUCTION TEMPERATURE (°F)	4	9	26	40	46	58
		SUCTION SUPERHEAT (°F)	-2	-3	5	12	15	21
		OUTDOOR UNIT CURRENT (A)	6.8	7.2	7.8	8.6	8.8	9.4
		COMPRESSOR CURRENT (A)	5.6	6.1	6.7	7.5	7.7	8.4
		INDOOR COIL DB TEMP RISE (°F)	8	11	18	18	19	21

Continued on next page.

YHJD30S41S4 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	800	LIQUID PRESSURE (PSIG)	280	299	352	401	432	494
		LIQUID TEMPERATURE (°F)	80	78	76	78	79	81
		LIQUID SUBCOOLING (°F)	11	18	31	39	44	52
		SUCTION PRESSURE (PSIG)	59	67	85	101	111	129
		SUCTION TEMPERATURE (°F)	6	11	22	34	44	59
		SUCTION SUPERHEAT (°F)	-2	-2	-2	2	7	14
		OUTDOOR UNIT CURRENT (A)	6.9	7.3	8.3	9.2	9.7	10.7
		COMPRESSOR CURRENT (A)	5.8	6.2	7.2	8.1	8.6	9.7
		INDOOR COIL DB TEMP RISE (°F)	10	13	25	25	28	33
	1000	LIQUID PRESSURE (PSIG)	274	292	345	388	415	470
		LIQUID TEMPERATURE (°F)	79	75	74	76	77	79
		LIQUID SUBCOOLING (°F)	11	19	32	39	43	50
		SUCTION PRESSURE (PSIG)	59	67	84	99	108	124
		SUCTION TEMPERATURE (°F)	6	11	21	38	45	59
		SUCTION SUPERHEAT (°F)	-2	-2	-2	7	10	17
		OUTDOOR UNIT CURRENT (A)	6.8	7.3	8.2	9.1	9.4	10.4
		COMPRESSOR CURRENT (A)	5.7	6.2	7.1	8.0	8.4	9.3
		INDOOR COIL DB TEMP RISE (°F)	8	11	21	21	24	27
	1200	LIQUID PRESSURE (PSIG)	269	286	337	375	399	446
		LIQUID TEMPERATURE (°F)	77	72	72	74	75	77
		LIQUID SUBCOOLING (°F)	12	21	32	38	42	48
		SUCTION PRESSURE (PSIG)	59	67	84	98	105	119
		SUCTION TEMPERATURE (°F)	5	10	21	41	46	59
		SUCTION SUPERHEAT (°F)	-3	-3	-2	11	12	19
		OUTDOOR UNIT CURRENT (A)	6.7	7.4	8.1	9.0	9.2	10.0
		COMPRESSOR CURRENT (A)	5.6	6.3	7.0	7.9	8.1	9.0
		INDOOR COIL DB TEMP RISE (°F)	6	10	17	17	19	21

FOR USE WITH MODELS:

YHJD36S41S4
YHJD36S43S4
YHJD36S44S4
THJD36S41S4
THJD36S43S4
THJD36S44S4
THGD36S41S4
GHGD36S41S4
CHJD36S41Q4
RHP13J364S21
RHP13J364S31

YHJD36S41S4 SUPERHEAT CHARGING CHART												
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE											
	110	114	119	123	127	131	136	140	144	149	153	157
	TEMPERATURE (°F) AT SUCTION BASE VALVE											
65	42	44	47	52	58	64	72	..	..	..	..	..
70	..	42	45	49	54	60	66	74	..	..	..	..
75	..	..	43	46	51	56	62	68	75	..	..	..
80	..	..	..	44	48	53	58	64	70	..	..	..
85	..	..	..	41	45	49	54	59	65	71	..	..
90	..	..	..	..	43	47	51	56	61	66	72	..
95	..	..	..	..	..	44	48	52	57	62	67	73
100	..	..	..	..	..	..	46	50	54	59	64	70
105	..	..	..	..	..	..	45	47	51	55	60	66
110	..	..	..	..	..	..	..	47	49	53	57	63
115	..	..	..	..	..	..	..	47	48	50	53	59
120	..	..	..	..	..	..	..	..	48	48	51	55
125	..	..	..	..	..	..	..	..	49	48	49	52

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

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

YHJD36S41S4 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJD36S41S4	35	107	36.2	1.55	34.5	1.82	30.5	1.86	26.6	1.89	21.6	1.84	16.5	1.80	17.7	1.62
	40	119	39.3	1.78	37.5	2.09	33.8	2.14	30.1	2.19	25.2	2.18	20.3	2.16	21.7	1.94
	45	130	42.7	2.02	40.7	2.38	37.2	2.44	33.8	2.50	29.0	2.51	24.2	2.53	25.9	2.28
	50	143	46.3	2.28	44.0	2.68	40.9	2.75	37.8	2.83	33.1	2.88	28.5	2.93	30.5	2.64
	55	156	50.0	2.46	47.6	2.89	44.2	2.98	40.8	3.06	35.8	3.11	30.8	3.16	32.9	2.85

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJD36S41S4 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	220	263	306	349	394	439	484
		LIQUID TEMPERATURE (°F)	68	80	92	104	113	122	131
		LIQUID SUBCOOLING (°F)	8	7	6	3	3	2	0
		SUCTION PRESSURE (PSIG)	117	122	126	131	135	140	144
		SUCTION TEMPERATURE (°F)	43	43	43	43	45	47	48
		SUCTION SUPERHEAT (°F)	4	1	0	-2	-2	-2	-3
		OUTDOOR UNIT CURRENT (A)	9.2	10.2	11.1	12.0	12.6	13.2	13.8
		COMPRESSOR CURRENT (A)	8.0	8.9	9.9	10.8	11.4	12.0	12.5
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	22	21	20	18
	1200	LIQUID PRESSURE (PSIG)	227	269	310	352	397	443	488
		LIQUID TEMPERATURE (°F)	68	80	92	104	113	123	132
		LIQUID SUBCOOLING (°F)	10	9	6	3	3	2	0
		SUCTION PRESSURE (PSIG)	122	126	130	134	139	143	147
		SUCTION TEMPERATURE (°F)	50	49	48	47	47	48	48
		SUCTION SUPERHEAT (°F)	8	6	3	0	-2	-2	-4
		OUTDOOR UNIT CURRENT (A)	9.5	10.4	11.3	12.2	12.8	13.4	14.0
		COMPRESSOR CURRENT (A)	8.3	9.2	10.0	10.9	11.5	12.2	12.8
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	19	18	17
	1400	LIQUID PRESSURE (PSIG)	234	275	315	355	401	447	493
		LIQUID TEMPERATURE (°F)	68	80	92	104	114	124	134
		LIQUID SUBCOOLING (°F)	12	10	8	4	3	1	-1
		SUCTION PRESSURE (PSIG)	126	130	134	138	142	146	149
		SUCTION TEMPERATURE (°F)	56	54	53	51	50	49	48
		SUCTION SUPERHEAT (°F)	13	9	6	3	0	-2	-5
		OUTDOOR UNIT CURRENT (A)	9.8	10.6	11.5	12.3	12.9	13.6	14.2
		COMPRESSOR CURRENT (A)	8.5	9.4	10.2	11.1	11.7	12.4	13.0
		INDOOR COIL DB TEMP DROP (°F)	21	20	20	19	18	17	16
80/62	1000	LIQUID PRESSURE (PSIG)	220	263	306	349	391	434	476
		LIQUID TEMPERATURE (°F)	68	80	92	104	114	124	135
		LIQUID SUBCOOLING (°F)	8	7	6	3	1	-1	-5
		SUCTION PRESSURE (PSIG)	117	121	126	131	137	144	151
		SUCTION TEMPERATURE (°F)	44	43	43	43	46	48	51
		SUCTION SUPERHEAT (°F)	5	2	0	-2	-2	-3	-2
		OUTDOOR UNIT CURRENT (A)	9.3	10.2	11.1	12.0	12.6	13.3	13.9
		COMPRESSOR CURRENT (A)	8.1	9.0	9.9	10.8	11.4	12.1	12.7
		INDOOR COIL DB TEMP DROP (°F)	31	29	28	27	25	23	22
	1200	LIQUID PRESSURE (PSIG)	227	269	310	352	396	440	484
		LIQUID TEMPERATURE (°F)	69	80	92	104	113	123	132
		LIQUID SUBCOOLING (°F)	9	9	6	3	3	1	-1
		SUCTION PRESSURE (PSIG)	121	126	130	134	141	148	155
		SUCTION TEMPERATURE (°F)	49	49	48	47	48	50	51
		SUCTION SUPERHEAT (°F)	8	6	3	0	-1	-2	-4
		OUTDOOR UNIT CURRENT (A)	9.5	10.4	11.3	12.1	12.9	13.7	14.4
		COMPRESSOR CURRENT (A)	8.3	9.2	10.0	10.9	11.7	12.4	13.2
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	24	23	21	20
	1400	LIQUID PRESSURE (PSIG)	234	274	314	354	400	446	492
		LIQUID TEMPERATURE (°F)	69	81	92	104	113	121	130
		LIQUID SUBCOOLING (°F)	11	9	7	4	4	4	3
		SUCTION PRESSURE (PSIG)	126	130	134	138	145	152	160
		SUCTION TEMPERATURE (°F)	55	54	52	51	51	51	51
		SUCTION SUPERHEAT (°F)	12	9	5	3	0	-3	-6
		OUTDOOR UNIT CURRENT (A)	9.8	10.6	11.5	12.3	13.2	14.0	14.9
		COMPRESSOR CURRENT (A)	8.5	9.4	10.2	11.1	11.9	12.8	13.6
		INDOOR COIL DB TEMP DROP (°F)	26	25	23	22	21	19	18

Continued on next page.

YHJD36S41S4 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1000	LIQUID PRESSURE (PSIG)	234	276	317	359	399	439	479
		LIQUID TEMPERATURE (°F)	69	80	92	103	113	123	134
		LIQUID SUBCOOLING (°F)	11	11	8	6	4	1	-3
		SUCTION PRESSURE (PSIG)	127	132	137	142	146	150	154
		SUCTION TEMPERATURE (°F)	58	57	55	54	52	50	49
		SUCTION SUPERHEAT (°F)	14	11	7	4	1	-3	-5
		OUTDOOR UNIT CURRENT (A)	9.7	10.6	11.6	12.5	13.2	14.0	14.7
		COMPRESSOR CURRENT (A)	8.5	9.4	10.3	11.2	12.0	12.7	13.5
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	22	21	20	19
	1200	LIQUID PRESSURE (PSIG)	237	278	319	360	400	441	481
		LIQUID TEMPERATURE (°F)	69	80	91	102	112	123	133
		LIQUID SUBCOOLING (°F)	11	11	9	7	5	1	-2
		SUCTION PRESSURE (PSIG)	131	136	140	145	149	153	157
		SUCTION TEMPERATURE (°F)	65	63	60	58	56	54	52
		SUCTION SUPERHEAT (°F)	20	16	11	7	4	0	-3
		OUTDOOR UNIT CURRENT (A)	9.8	10.7	11.6	12.5	13.3	14.1	14.9
		COMPRESSOR CURRENT (A)	8.5	9.5	10.4	11.3	12.1	12.9	13.7
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	19	18
	1400	LIQUID PRESSURE (PSIG)	239	280	321	362	402	442	483
		LIQUID TEMPERATURE (°F)	70	80	90	101	111	122	133
		LIQUID SUBCOOLING (°F)	11	11	11	8	6	2	-2
		SUCTION PRESSURE (PSIG)	134	139	144	149	153	156	160
		SUCTION TEMPERATURE (°F)	72	69	65	62	60	58	56
		SUCTION SUPERHEAT (°F)	25	20	14	10	6	3	-1
		OUTDOOR UNIT CURRENT (A)	9.8	10.7	11.7	12.6	13.4	14.3	15.1
		COMPRESSOR CURRENT (A)	8.6	9.5	10.5	11.4	12.2	13.1	13.9
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	16
80/72	1000	LIQUID PRESSURE (PSIG)	239	281	324	366	405	445	484
		LIQUID TEMPERATURE (°F)	69	79	90	100	111	121	132
		LIQUID SUBCOOLING (°F)	12	13	12	10	7	4	-1
		SUCTION PRESSURE (PSIG)	134	140	146	153	157	162	167
		SUCTION TEMPERATURE (°F)	69	68	67	65	66	68	69
		SUCTION SUPERHEAT (°F)	22	19	16	11	11	11	10
		OUTDOOR UNIT CURRENT (A)	9.8	10.8	11.8	12.8	13.6	14.4	15.3
		COMPRESSOR CURRENT (A)	8.5	9.5	10.5	11.5	12.4	13.2	14.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	19	18	17	16	15
	1200	LIQUID PRESSURE (PSIG)	241	283	325	367	406	446	485
		LIQUID TEMPERATURE (°F)	69	79	90	100	110	121	131
		LIQUID SUBCOOLING (°F)	13	13	12	10	8	4	1
		SUCTION PRESSURE (PSIG)	136	143	149	155	160	164	169
		SUCTION TEMPERATURE (°F)	73	72	71	70	71	71	72
		SUCTION SUPERHEAT (°F)	26	22	19	15	15	13	12
		OUTDOOR UNIT CURRENT (A)	9.8	10.8	11.8	12.8	13.6	14.5	15.3
		COMPRESSOR CURRENT (A)	8.6	9.6	10.6	11.6	12.4	13.3	14.1
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	16	15	14	13
	1400	LIQUID PRESSURE (PSIG)	244	285	327	368	407	446	486
		LIQUID TEMPERATURE (°F)	69	80	90	100	110	120	130
		LIQUID SUBCOOLING (°F)	13	13	12	11	8	5	2
		SUCTION PRESSURE (PSIG)	139	145	151	158	162	167	171
		SUCTION TEMPERATURE (°F)	77	76	75	74	75	75	75
		SUCTION SUPERHEAT (°F)	28	25	22	18	18	16	15
		OUTDOOR UNIT CURRENT (A)	9.8	10.8	11.8	12.9	13.7	14.5	15.4
		COMPRESSOR CURRENT (A)	8.6	9.6	10.6	11.6	12.5	13.3	14.1
		INDOOR COIL DB TEMP DROP (°F)	16	16	15	14	14	13	12

YHJD36S41S4 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1000	LIQUID PRESSURE (PSIG)	223	254	302	338	364	395
		LIQUID TEMPERATURE (°F)	55	58	60	62	63	65
		LIQUID SUBCOOLING (°F)	22	27	37	43	47	51
		SUCTION PRESSURE (PSIG)	55	64	81	93	102	112
		SUCTION TEMPERATURE (°F)	4	10	31	43	49	61
		SUCTION SUPERHEAT (°F)	-1	-1	10	15	17	24
		OUTDOOR UNIT CURRENT (A)	9.0	9.5	10.4	11.2	11.7	12.3
		COMPRESSOR CURRENT (A)	7.6	8.1	9.0	9.9	10.4	11.0
		INDOOR COIL DB TEMP RISE (°F)	11	19	25	28	31	33
	1200	LIQUID PRESSURE (PSIG)	228	252	293	324	345	372
		LIQUID TEMPERATURE (°F)	57	56	59	60	61	63
		LIQUID SUBCOOLING (°F)	21	28	36	41	45	49
		SUCTION PRESSURE (PSIG)	56	64	79	90	97	107
		SUCTION TEMPERATURE (°F)	4	10	32	43	49	61
		SUCTION SUPERHEAT (°F)	-1	-1	12	16	19	26
		OUTDOOR UNIT CURRENT (A)	9.1	9.4	10.3	11.0	11.4	11.9
		COMPRESSOR CURRENT (A)	7.6	8.0	8.9	9.6	10.1	10.6
		INDOOR COIL DB TEMP RISE (°F)	13	17	21	24	26	28
	1400	LIQUID PRESSURE (PSIG)	233	249	283	311	326	350
		LIQUID TEMPERATURE (°F)	59	55	57	59	60	61
		LIQUID SUBCOOLING (°F)	20	29	35	40	42	46
		SUCTION PRESSURE (PSIG)	56	64	77	87	92	102
		SUCTION TEMPERATURE (°F)	5	11	33	43	49	61
		SUCTION SUPERHEAT (°F)	-1	0	14	18	21	29
		OUTDOOR UNIT CURRENT (A)	9.1	9.4	10.1	10.7	11.0	11.4
		COMPRESSOR CURRENT (A)	7.6	7.9	8.7	9.4	9.7	10.1
		INDOOR COIL DB TEMP RISE (°F)	15	15	18	20	21	23
70	1000	LIQUID PRESSURE (PSIG)	256	277	338	376	404	439
		LIQUID TEMPERATURE (°F)	65	69	69	71	72	74
		LIQUID SUBCOOLING (°F)	21	21	35	41	45	50
		SUCTION PRESSURE (PSIG)	60	64	84	97	106	118
		SUCTION TEMPERATURE (°F)	7	10	28	42	50	61
		SUCTION SUPERHEAT (°F)	-1	-1	5	12	15	21
		OUTDOOR UNIT CURRENT (A)	9.3	9.5	10.9	11.7	12.3	13.0
		COMPRESSOR CURRENT (A)	7.9	8.1	9.5	10.4	11.0	11.7
		INDOOR COIL DB TEMP RISE (°F)	11	16	24	28	30	33
	1200	LIQUID PRESSURE (PSIG)	259	274	329	363	386	417
		LIQUID TEMPERATURE (°F)	67	67	68	70	70	72
		LIQUID SUBCOOLING (°F)	19	23	35	40	44	48
		SUCTION PRESSURE (PSIG)	59	64	83	95	103	113
		SUCTION TEMPERATURE (°F)	7	10	30	43	49	61
		SUCTION SUPERHEAT (°F)	-1	-1	7	14	17	23
		OUTDOOR UNIT CURRENT (A)	9.3	9.5	10.8	11.5	12.0	12.6
		COMPRESSOR CURRENT (A)	7.8	8.1	9.4	10.2	10.7	11.3
		INDOOR COIL DB TEMP RISE (°F)	12	14	21	24	25	28
	1400	LIQUID PRESSURE (PSIG)	262	270	319	349	369	394
		LIQUID TEMPERATURE (°F)	70	65	66	68	69	70
		LIQUID SUBCOOLING (°F)	17	24	34	39	42	45
		SUCTION PRESSURE (PSIG)	59	64	82	92	99	108
		SUCTION TEMPERATURE (°F)	6	11	32	43	49	61
		SUCTION SUPERHEAT (°F)	-1	-1	10	16	18	26
		OUTDOOR UNIT CURRENT (A)	9.2	9.5	10.6	11.3	11.7	12.2
		COMPRESSOR CURRENT (A)	7.7	8.1	9.3	10.0	10.4	10.9
		INDOOR COIL DB TEMP RISE (°F)	13	13	17	19	21	22

Continued on next page.

YHJD36S41S4 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1000	LIQUID PRESSURE (PSIG)	290	299	375	415	445	483
		LIQUID TEMPERATURE (°F)	75	81	79	81	82	83
		LIQUID SUBCOOLING (°F)	19	15	33	39	43	48
		SUCTION PRESSURE (PSIG)	65	64	87	101	111	124
		SUCTION TEMPERATURE (°F)	10	10	24	42	50	62
		SUCTION SUPERHEAT (°F)	-1	-1	-1	10	13	19
		OUTDOOR UNIT CURRENT (A)	9.6	9.5	11.4	12.3	12.9	13.7
		COMPRESSOR CURRENT (A)	8.3	8.0	10.0	10.9	11.6	12.4
		INDOOR COIL DB TEMP RISE (°F)	11	13	23	27	30	33
	1200	LIQUID PRESSURE (PSIG)	290	296	365	401	428	461
		LIQUID TEMPERATURE (°F)	78	78	77	79	80	82
		LIQUID SUBCOOLING (°F)	16	17	33	38	42	46
		SUCTION PRESSURE (PSIG)	63	64	86	99	108	120
		SUCTION TEMPERATURE (°F)	9	10	28	43	50	61
		SUCTION SUPERHEAT (°F)	-1	-1	3	12	14	21
		OUTDOOR UNIT CURRENT (A)	9.4	9.6	11.3	12.1	12.6	13.3
		COMPRESSOR CURRENT (A)	8.0	8.1	9.9	10.8	11.3	12.0
		INDOOR COIL DB TEMP RISE (°F)	11	12	20	23	25	28
	1400	LIQUID PRESSURE (PSIG)	291	292	355	387	411	438
		LIQUID TEMPERATURE (°F)	81	76	76	77	78	80
		LIQUID SUBCOOLING (°F)	13	19	33	37	41	44
		SUCTION PRESSURE (PSIG)	62	64	86	97	105	115
		SUCTION TEMPERATURE (°F)	8	10	31	43	49	61
		SUCTION SUPERHEAT (°F)	-2	-1	7	13	16	23
		OUTDOOR UNIT CURRENT (A)	9.3	9.6	11.2	11.9	12.4	13.0
		COMPRESSOR CURRENT (A)	7.8	8.2	9.8	10.6	11.1	11.7
		INDOOR COIL DB TEMP RISE (°F)	11	11	17	19	21	22

FOR USE WITH MODELS:

YHJD42S41S4
YHJD42S43S4
YHJD42S44S4
THJD42S41S4
THJD42S43S4
THJD42S44S4
THGD42S41S4
GHGD42S41S4
CHJD42S41Q4
RHP13J424S21
RHP13J424S31

YHJD42S41S4 SUPERHEAT CHARGING CHART												
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE											
	115	120	125	130	135	140	145	150	155	160	165	170
	TEMPERATURE (°F) AT SUCTION BASE VALVE											
65	49	55	60	65	70	76	81	..	..	..	..	..
70	..	52	57	62	67	73	78	84	..	..	..	..
75	..	..	54	58	63	69	75	82	..	..	..	..
80	..	..	51	55	60	66	72	80	..	..	..	..
85	..	..	..	53	56	61	67	75	85	..	..	..
90	..	..	..	51	54	59	65	72	82	..	..	..
95	..	..	..	..	52	54	59	66	76	..	..	..
100	..	..	..	..	..	54	58	64	72	82	..	..
105	..	..	..	..	..	55	56	70	66	75	86	..
110	..	..	..	..	..	..	57	60	65	71	80	..
115	..	..	..	..	..	..	57	59	62	67	74	83
120	..	..	..	..	..	..	..	59	61	64	70	77
125	..	..	..	..	..	..	..	60	61	63	67	73

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

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

YHJD42S41S4 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJD42S41S4	35	107	39.0	2.85	34.8	2.69	30.5	2.53	26.3	2.37	22.0	2.21	17.7	2.05	13.5	1.89
	40	119	42.9	2.63	38.8	2.60	34.7	2.57	30.6	2.53	26.5	2.50	22.4	2.47	18.3	2.44
	45	130	46.7	2.42	42.7	2.51	38.8	2.61	34.9	2.70	31.0	2.80	27.0	2.89	23.1	2.99
	50	143	50.5	2.20	46.7	2.42	43.0	2.64	39.2	2.87	35.4	3.09	31.7	3.31	27.9	3.53
	55	156	54.3	1.98	50.7	2.33	47.1	2.68	43.5	3.03	39.9	3.38	36.3	3.73	32.7	4.08

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJD42S41S4 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1170	LIQUID PRESSURE (PSIG)	238	279	319	360	406	452	498
		LIQUID TEMPERATURE (°F)	75	86	97	108	119	129	140
		LIQUID SUBCOOLING (°F)	6	5	3	1	-1	-3	-6
		SUCTION PRESSURE (PSIG)	122	127	131	135	139	144	148
		SUCTION TEMPERATURE (°F)	57	56	54	52	55	57	59
		SUCTION SUPERHEAT (°F)	15	12	9	5	6	6	7
		OUTDOOR UNIT CURRENT (A)	10.5	11.3	12.1	12.9	13.6	14.3	15.0
		COMPRESSOR CURRENT (A)	9.6	10.4	11.2	12.0	12.7	13.4	14.0
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	19	18	17
	1370	LIQUID PRESSURE (PSIG)	241	281	322	363	409	455	501
		LIQUID TEMPERATURE (°F)	74	85	96	107	118	128	139
		LIQUID SUBCOOLING (°F)	8	7	5	3	1	-1	-5
		SUCTION PRESSURE (PSIG)	126	130	134	137	142	146	150
		SUCTION TEMPERATURE (°F)	61	58	56	54	56	58	59
		SUCTION SUPERHEAT (°F)	18	13	9	6	6	7	6
		OUTDOOR UNIT CURRENT (A)	10.6	11.4	12.2	13.1	13.8	14.5	15.2
		COMPRESSOR CURRENT (A)	9.6	10.4	11.3	12.1	12.8	13.5	14.2
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	18	17	16
	1570	LIQUID PRESSURE (PSIG)	243	284	325	365	412	459	505
		LIQUID TEMPERATURE (°F)	73	84	95	106	117	127	138
		LIQUID SUBCOOLING (°F)	9	8	7	4	2	0	-3
		SUCTION PRESSURE (PSIG)	130	133	137	140	144	148	152
		SUCTION TEMPERATURE (°F)	64	61	58	55	57	58	60
		SUCTION SUPERHEAT (°F)	19	15	10	6	6	6	6
		OUTDOOR UNIT CURRENT (A)	10.6	11.5	12.3	13.2	13.9	14.6	15.3
		COMPRESSOR CURRENT (A)	9.7	10.5	11.4	12.2	12.9	13.6	14.4
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	17	16	15
80/62	1170	LIQUID PRESSURE (PSIG)	238	277	317	356	406	457	508
		LIQUID TEMPERATURE (°F)	75	87	99	111	119	127	136
		LIQUID SUBCOOLING (°F)	6	4	1	-3	-1	0	-1
		SUCTION PRESSURE (PSIG)	121	125	130	134	141	147	154
		SUCTION TEMPERATURE (°F)	55	54	53	52	55	58	61
		SUCTION SUPERHEAT (°F)	14	11	8	5	6	6	7
		OUTDOOR UNIT CURRENT (A)	10.5	11.3	12.0	12.8	13.7	14.5	15.4
		COMPRESSOR CURRENT (A)	9.5	10.3	11.1	11.8	12.7	13.6	14.5
		INDOOR COIL DB TEMP DROP (°F)	29	27	26	25	23	21	19
	1370	LIQUID PRESSURE (PSIG)	241	280	320	360	408	455	502
		LIQUID TEMPERATURE (°F)	74	86	97	109	118	127	137
		LIQUID SUBCOOLING (°F)	8	5	4	0	0	0	-3
		SUCTION PRESSURE (PSIG)	125	129	133	137	144	151	159
		SUCTION TEMPERATURE (°F)	59	57	55	53	57	60	63
		SUCTION SUPERHEAT (°F)	16	12	9	5	6	7	7
		OUTDOOR UNIT CURRENT (A)	10.6	11.4	12.2	13.0	13.9	14.9	15.8
		COMPRESSOR CURRENT (A)	9.6	10.4	11.2	12.0	13.0	13.9	14.9
		INDOOR COIL DB TEMP DROP (°F)	27	26	24	23	21	20	18
	1570	LIQUID PRESSURE (PSIG)	243	284	324	365	409	452	496
		LIQUID TEMPERATURE (°F)	74	85	95	106	117	127	138
		LIQUID SUBCOOLING (°F)	8	7	7	4	2	-1	-5
		SUCTION PRESSURE (PSIG)	129	133	136	140	148	156	163
		SUCTION TEMPERATURE (°F)	64	61	58	55	58	62	65
		SUCTION SUPERHEAT (°F)	19	15	11	6	6	7	7
		OUTDOOR UNIT CURRENT (A)	10.6	11.5	12.3	13.2	14.2	15.2	16.3
		COMPRESSOR CURRENT (A)	9.6	10.5	11.4	12.2	13.3	14.3	15.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	22	21	19	18	17

Continued on next page.

YHJD42S41S4 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1170	LIQUID PRESSURE (PSIG)	247	288	329	370	412	454	496
		LIQUID TEMPERATURE (°F)	73	83	94	105	115	126	137
		LIQUID SUBCOOLING (°F)	10	10	9	6	4	0	-4
		SUCTION PRESSURE (PSIG)	133	137	141	145	150	154	159
		SUCTION TEMPERATURE (°F)	69	65	61	57	59	61	63
		SUCTION SUPERHEAT (°F)	23	17	12	6	6	7	7
		OUTDOOR UNIT CURRENT (A)	10.7	11.6	12.5	13.4	14.2	15.1	15.9
		COMPRESSOR CURRENT (A)	9.7	10.6	11.5	12.5	13.3	14.1	14.9
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	17
	1370	LIQUID PRESSURE (PSIG)	250	291	332	373	414	456	497
		LIQUID TEMPERATURE (°F)	72	83	94	104	115	125	136
		LIQUID SUBCOOLING (°F)	12	11	9	8	4	2	-3
		SUCTION PRESSURE (PSIG)	136	140	144	149	152	156	160
		SUCTION TEMPERATURE (°F)	73	69	66	62	62	62	62
		SUCTION SUPERHEAT (°F)	26	20	15	10	8	7	6
		OUTDOOR UNIT CURRENT (A)	10.7	11.7	12.6	13.6	14.4	15.2	16.0
		COMPRESSOR CURRENT (A)	9.7	10.7	11.6	12.6	13.4	14.2	15.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	18	17	17
	1570	LIQUID PRESSURE (PSIG)	252	293	334	376	417	458	499
		LIQUID TEMPERATURE (°F)	72	83	94	104	114	124	134
		LIQUID SUBCOOLING (°F)	12	12	10	8	6	3	0
		SUCTION PRESSURE (PSIG)	139	143	148	152	155	158	162
		SUCTION TEMPERATURE (°F)	76	73	70	68	65	63	60
		SUCTION SUPERHEAT (°F)	27	23	18	14	10	7	3
		OUTDOOR UNIT CURRENT (A)	10.7	11.7	12.7	13.7	14.5	15.3	16.2
		COMPRESSOR CURRENT (A)	9.8	10.8	11.7	12.7	13.6	14.4	15.2
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	17	16	16
80/72	1170	LIQUID PRESSURE (PSIG)	262	297	332	368	413	458	504
		LIQUID TEMPERATURE (°F)	73	83	93	102	113	124	135
		LIQUID SUBCOOLING (°F)	14	12	10	9	6	3	0
		SUCTION PRESSURE (PSIG)	142	147	151	155	161	166	171
		SUCTION TEMPERATURE (°F)	76	77	78	79	78	78	77
		SUCTION SUPERHEAT (°F)	26	25	25	24	21	19	17
		OUTDOOR UNIT CURRENT (A)	10.9	11.8	12.7	13.6	14.7	15.7	16.7
		COMPRESSOR CURRENT (A)	9.9	10.9	11.8	12.7	13.7	14.7	15.8
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	16	15	13
	1370	LIQUID PRESSURE (PSIG)	265	300	334	369	415	462	508
		LIQUID TEMPERATURE (°F)	73	83	92	102	113	124	134
		LIQUID SUBCOOLING (°F)	15	13	12	9	7	4	1
		SUCTION PRESSURE (PSIG)	146	150	154	158	163	169	174
		SUCTION TEMPERATURE (°F)	80	82	83	84	82	81	79
		SUCTION SUPERHEAT (°F)	29	29	29	28	24	21	18
		OUTDOOR UNIT CURRENT (A)	11.0	11.9	12.8	13.7	14.7	15.8	16.9
		COMPRESSOR CURRENT (A)	10.0	10.9	11.8	12.7	13.8	14.9	15.9
		INDOOR COIL DB TEMP DROP (°F)	18	17	16	15	14	13	13
	1570	LIQUID PRESSURE (PSIG)	268	302	337	371	418	465	512
		LIQUID TEMPERATURE (°F)	73	83	92	102	113	123	133
		LIQUID SUBCOOLING (°F)	16	14	12	9	7	5	3
		SUCTION PRESSURE (PSIG)	149	153	156	160	166	172	177
		SUCTION TEMPERATURE (°F)	85	86	87	89	87	84	82
		SUCTION SUPERHEAT (°F)	33	32	32	33	28	23	20
		OUTDOOR UNIT CURRENT (A)	11.0	11.9	12.8	13.7	14.8	15.9	17.0
		COMPRESSOR CURRENT (A)	10.1	11.0	11.9	12.8	13.9	15.0	16.0
		INDOOR COIL DB TEMP DROP (°F)	16	15	14	14	13	12	12

YHJD42S41S4 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1200	LIQUID PRESSURE (PSIG)	213	226	253	271	281	336
		LIQUID TEMPERATURE (°F)	60	58	59	61	62	70
		LIQUID SUBCOOLING (°F)	14	19	26	28	30	34
		SUCTION PRESSURE (PSIG)	54	63	79	88	93	111
		SUCTION TEMPERATURE (°F)	4	10	25	41	48	60
		SUCTION SUPERHEAT (°F)	0	-1	5	16	20	23
		OUTDOOR UNIT CURRENT (A)	9.7	9.7	10.4	10.9	11.2	12.6
		COMPRESSOR CURRENT (A)	8.4	8.5	9.2	9.7	10.0	11.4
		INDOOR COIL DB TEMP RISE (°F)	11	14	19	21	22	33
	1400	LIQUID PRESSURE (PSIG)	218	232	262	283	296	318
		LIQUID TEMPERATURE (°F)	62	60	61	63	64	68
		LIQUID SUBCOOLING (°F)	13	19	26	29	31	32
		SUCTION PRESSURE (PSIG)	55	63	79	90	96	106
		SUCTION TEMPERATURE (°F)	4	10	23	41	48	60
		SUCTION SUPERHEAT (°F)	-1	-1	3	15	19	26
		OUTDOOR UNIT CURRENT (A)	9.8	9.9	10.6	11.1	11.5	12.1
		COMPRESSOR CURRENT (A)	8.4	8.6	9.4	9.9	10.3	10.9
		INDOOR COIL DB TEMP RISE (°F)	13	16	21	24	26	29
	1600	LIQUID PRESSURE (PSIG)	223	238	271	295	310	300
		LIQUID TEMPERATURE (°F)	63	63	63	65	67	65
		LIQUID SUBCOOLING (°F)	14	18	26	30	31	31
		SUCTION PRESSURE (PSIG)	55	63	80	92	99	102
		SUCTION TEMPERATURE (°F)	5	10	21	40	48	60
		SUCTION SUPERHEAT (°F)	0	-1	0	13	17	28
		OUTDOOR UNIT CURRENT (A)	9.8	10.0	10.7	11.4	11.8	11.6
		COMPRESSOR CURRENT (A)	8.5	8.7	9.5	10.2	10.6	10.4
		INDOOR COIL DB TEMP RISE (°F)	14	18	24	27	30	24
70	1200	LIQUID PRESSURE (PSIG)	244	256	285	307	320	378
		LIQUID TEMPERATURE (°F)	68	68	68	69	70	78
		LIQUID SUBCOOLING (°F)	14	17	25	29	31	35
		SUCTION PRESSURE (PSIG)	55	64	80	92	98	116
		SUCTION TEMPERATURE (°F)	5	11	23	40	49	60
		SUCTION SUPERHEAT (°F)	0	0	2	13	19	21
		OUTDOOR UNIT CURRENT (A)	9.9	10.2	10.9	11.6	12.0	13.4
		COMPRESSOR CURRENT (A)	8.6	8.9	9.7	10.4	10.8	12.2
		INDOOR COIL DB TEMP RISE (°F)	10	12	17	20	22	32
	1400	LIQUID PRESSURE (PSIG)	249	262	293	318	334	360
		LIQUID TEMPERATURE (°F)	69	70	70	72	73	76
		LIQUID SUBCOOLING (°F)	15	17	25	28	31	33
		SUCTION PRESSURE (PSIG)	56	64	81	93	101	112
		SUCTION TEMPERATURE (°F)	5	11	22	38	48	60
		SUCTION SUPERHEAT (°F)	-1	0	1	10	16	23
		OUTDOOR UNIT CURRENT (A)	9.9	10.3	11.0	11.7	7.2	12.9
		COMPRESSOR CURRENT (A)	8.6	9.0	9.8	10.6	11.0	11.8
		INDOOR COIL DB TEMP RISE (°F)	11	14	20	23	25	28
	1600	LIQUID PRESSURE (PSIG)	254	269	302	330	347	341
		LIQUID TEMPERATURE (°F)	71	72	72	74	75	73
		LIQUID SUBCOOLING (°F)	14	17	25	29	31	32
		SUCTION PRESSURE (PSIG)	56	64	81	95	103	108
		SUCTION TEMPERATURE (°F)	5	11	21	36	48	60
		SUCTION SUPERHEAT (°F)	-1	0	-1	7	15	25
		OUTDOOR UNIT CURRENT (A)	8.7	9.1	10.0	10.8	11.3	11.3
		COMPRESSOR CURRENT (A)	8.7	9.1	10.0	10.8	11.3	11.3
		INDOOR COIL DB TEMP RISE (°F)	13	16	22	26	29	24

Continued on next page.

YHJD42S41S4 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1200	LIQUID PRESSURE (PSIG)	275	287	317	342	358	420
		LIQUID TEMPERATURE (°F)	75	79	76	78	79	86
		LIQUID SUBCOOLING (°F)	15	14	24	27	30	35
		SUCTION PRESSURE (PSIG)	56	65	82	95	103	122
		SUCTION TEMPERATURE (°F)	5	12	22	39	49	61
		SUCTION SUPERHEAT (°F)	-1	0	0	10	16	19
		OUTDOOR UNIT CURRENT (A)	10.1	10.6	11.4	12.2	12.8	14.2
		COMPRESSOR CURRENT (A)	8.8	9.4	10.2	11.0	11.6	13.0
		INDOOR COIL DB TEMP RISE (°F)	9	11	16	19	21	31
	1400	LIQUID PRESSURE (PSIG)	280	293	325	354	372	401
		LIQUID TEMPERATURE (°F)	77	80	78	80	81	84
		LIQUID SUBCOOLING (°F)	14	15	24	28	30	33
		SUCTION PRESSURE (PSIG)	57	65	82	97	105	118
		SUCTION TEMPERATURE (°F)	6	12	22	36	48	61
		SUCTION SUPERHEAT (°F)	0	0	0	6	14	21
		OUTDOOR UNIT CURRENT (A)	10.1	10.7	11.5	12.4	13.0	13.8
		COMPRESSOR CURRENT (A)	8.8	9.4	10.3	11.2	11.8	12.6
		INDOOR COIL DB TEMP RISE (°F)	10	13	18	22	24	27
	1600	LIQUID PRESSURE (PSIG)	285	299	333	365	385	383
		LIQUID TEMPERATURE (°F)	78	82	80	82	84	82
		LIQUID SUBCOOLING (°F)	15	14	23	28	30	32
		SUCTION PRESSURE (PSIG)	57	65	83	98	107	115
		SUCTION TEMPERATURE (°F)	6	12	22	33	48	61
		SUCTION SUPERHEAT (°F)	0	0	-1	3	13	23
		OUTDOOR UNIT CURRENT (A)	10.1	10.7	11.6	12.5	13.2	13.4
		COMPRESSOR CURRENT (A)	8.9	9.5	10.4	11.3	12.0	12.2
		INDOOR COIL DB TEMP RISE (°F)	11	14	20	25	28	23

FOR USE WITH MODELS:

YHJD48S41S4
YHJD48S43S3
YHJD48S44S3
THJD48S41S4
THJD48S43S3
THJD48S44S3
THGD48S41S4
GHGD48S41S4
CHJD48S41Q4
RHP13J484S21
RHP13J484S31

YHJD48S41S4 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			
65	225(8)	228(9)	234(10)	242(14)
70	245(9)	248(10)	254(11)	262(14)
75	266(10)	267(10)	274(11)	282(15)
80	286(10)	287(10)	294(11)	302(14)
85	306(10)	307(10)	314(11)	322(14)
90	327(10)	326(9)	334(10)	342(13)
95	347(9)	346(9)	354(10)	362(12)
100	371(9)	370(8)	376(9)	385(12)
105	394(9)	394(8)	399(9)	408(11)
110	418(8)	418(8)	422(8)	431(10)
115	442(7)	442(7)	445(8)	454(10)
120	465(6)	466(7)	468(7)	478(9)
125	489(5)	490(6)	491(6)	501(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.

YHJD48S41S4 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJD48S41S4	35	107	44.6	2.71	40.2	2.81	35.9	2.91	31.5	3.00	27.2	3.10	22.8	3.19	18.5	3.29
	40	119	51.7	2.76	46.7	2.90	41.6	3.03	36.6	3.17	31.6	3.30	26.5	3.44	21.5	3.58
	45	130	58.8	2.81	53.1	2.99	47.4	3.16	41.7	3.34	36.0	3.51	30.3	3.69	24.6	3.86
	50	143	65.9	2.86	59.5	3.08	53.1	3.29	46.7	3.51	40.4	3.72	34.0	3.94	27.6	4.15
	55	156	72.9	2.91	65.9	3.16	58.9	3.42	51.8	3.67	44.8	3.93	37.7	4.18	30.7	4.44

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJD48S41S4 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1510	LIQUID PRESSURE (PSIG)	223	263	304	345	390	436	482
		LIQUID TEMPERATURE (°F)	70	80	90	99	109	119	128
		LIQUID SUBCOOLING (°F)	7	7	7	7	6	4	3
		SUCTION PRESSURE (PSIG)	124	127	130	133	136	140	143
		SUCTION TEMPERATURE (°F)	61	63	64	66	67	69	71
		SUCTION SUPERHEAT (°F)	19	19	19	20	20	20	21
		OUTDOOR UNIT CURRENT (A)	10.6	11.7	12.7	13.8	14.8	15.9	16.9
		COMPRESSOR CURRENT (A)	9.4	10.5	11.6	12.6	13.7	14.7	15.7
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19
	1710	LIQUID PRESSURE (PSIG)	227	266	306	346	392	437	483
		LIQUID TEMPERATURE (°F)	69	79	89	100	109	119	128
		LIQUID SUBCOOLING (°F)	9	9	9	6	6	5	3
		SUCTION PRESSURE (PSIG)	126	129	132	135	139	142	145
		SUCTION TEMPERATURE (°F)	63	64	65	67	68	70	71
		SUCTION SUPERHEAT (°F)	20	19	19	20	19	20	20
		OUTDOOR UNIT CURRENT (A)	10.7	11.8	12.8	13.9	14.9	15.9	17.0
		COMPRESSOR CURRENT (A)	9.5	10.6	11.6	12.7	13.7	14.8	15.8
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	18
	1910	LIQUID PRESSURE (PSIG)	230	269	308	347	393	438	484
		LIQUID TEMPERATURE (°F)	68	79	89	100	109	119	128
		LIQUID SUBCOOLING (°F)	11	10	9	6	7	5	3
		SUCTION PRESSURE (PSIG)	129	132	135	138	141	144	147
		SUCTION TEMPERATURE (°F)	64	65	67	68	69	71	72
		SUCTION SUPERHEAT (°F)	19	19	20	20	20	20	20
		OUTDOOR UNIT CURRENT (A)	10.8	11.9	12.9	13.9	15.0	16.0	17.1
		COMPRESSOR CURRENT (A)	9.6	10.7	11.7	12.8	13.8	14.9	15.9
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	18	17
80/62	1510	LIQUID PRESSURE (PSIG)	226	265	305	344	392	439	487
		LIQUID TEMPERATURE (°F)	68	79	89	99	109	118	127
		LIQUID SUBCOOLING (°F)	9	9	8	7	6	6	5
		SUCTION PRESSURE (PSIG)	123	127	130	133	139	144	150
		SUCTION TEMPERATURE (°F)	61	63	64	66	68	71	74
		SUCTION SUPERHEAT (°F)	19	19	19	20	19	20	21
		OUTDOOR UNIT CURRENT (A)	10.7	11.7	12.7	13.8	14.9	16.1	17.2
		COMPRESSOR CURRENT (A)	9.5	10.6	11.6	12.6	13.8	14.9	16.1
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	25	24	22
	1710	LIQUID PRESSURE (PSIG)	228	267	307	346	394	442	490
		LIQUID TEMPERATURE (°F)	70	80	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	8	8	8	6	7	5	4
		SUCTION PRESSURE (PSIG)	126	129	132	135	142	148	155
		SUCTION TEMPERATURE (°F)	62	64	65	67	70	73	76
		SUCTION SUPERHEAT (°F)	19	19	19	20	20	21	21
		OUTDOOR UNIT CURRENT (A)	10.7	11.8	12.8	13.9	15.0	16.2	17.4
		COMPRESSOR CURRENT (A)	9.6	10.6	11.7	12.7	13.9	15.1	16.3
		INDOOR COIL DB TEMP DROP (°F)	29	28	26	25	23	22	20
	1910	LIQUID PRESSURE (PSIG)	230	269	308	347	396	444	493
		LIQUID TEMPERATURE (°F)	71	81	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	8	8	8	6	7	6	5
		SUCTION PRESSURE (PSIG)	129	132	135	137	145	152	160
		SUCTION TEMPERATURE (°F)	64	65	67	68	71	75	78
		SUCTION SUPERHEAT (°F)	19	19	20	20	20	21	22
		OUTDOOR UNIT CURRENT (A)	10.8	11.8	12.9	13.9	15.2	16.4	17.7
		COMPRESSOR CURRENT (A)	9.6	10.7	11.7	12.8	14.0	15.3	16.5
		INDOOR COIL DB TEMP DROP (°F)	28	26	24	22	21	20	19

Continued on next page.

YHJD48S41S4 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1510	LIQUID PRESSURE (PSIG)	231	271	311	352	398	444	490
		LIQUID TEMPERATURE (°F)	73	82	91	100	109	119	128
		LIQUID SUBCOOLING (°F)	6	7	8	7	7	6	4
		SUCTION PRESSURE (PSIG)	135	138	141	145	148	152	155
		SUCTION TEMPERATURE (°F)	67	68	70	71	73	74	76
		SUCTION SUPERHEAT (°F)	20	20	21	20	21	20	21
		OUTDOOR UNIT CURRENT (A)	10.8	11.9	13.0	14.2	15.3	16.4	17.5
		COMPRESSOR CURRENT (A)	9.6	10.7	11.9	13.0	14.1	15.2	16.4
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19
	1710	LIQUID PRESSURE (PSIG)	234	274	314	354	399	445	491
		LIQUID TEMPERATURE (°F)	70	80	90	100	109	119	128
		LIQUID SUBCOOLING (°F)	10	10	9	8	8	6	5
		SUCTION PRESSURE (PSIG)	137	141	144	147	151	154	157
		SUCTION TEMPERATURE (°F)	68	69	71	72	74	75	77
		SUCTION SUPERHEAT (°F)	20	20	20	20	21	21	22
		OUTDOOR UNIT CURRENT (A)	10.9	12.0	13.1	14.3	15.4	16.5	17.6
		COMPRESSOR CURRENT (A)	9.7	10.8	12.0	13.1	14.2	15.3	16.4
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	18
	1910	LIQUID PRESSURE (PSIG)	237	277	316	355	401	447	492
		LIQUID TEMPERATURE (°F)	67	78	89	100	110	119	129
		LIQUID SUBCOOLING (°F)	13	13	11	8	7	6	4
		SUCTION PRESSURE (PSIG)	140	143	146	150	153	156	159
		SUCTION TEMPERATURE (°F)	69	70	72	73	75	76	78
		SUCTION SUPERHEAT (°F)	20	20	21	20	21	21	22
		OUTDOOR UNIT CURRENT (A)	11.0	12.1	13.2	14.3	15.5	16.6	17.7
		COMPRESSOR CURRENT (A)	9.8	10.9	12.0	13.2	14.3	15.4	16.5
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	18	17
80/72	1510	LIQUID PRESSURE (PSIG)	240	280	320	360	406	453	499
		LIQUID TEMPERATURE (°F)	69	79	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	12	12	12	10	9	7	6
		SUCTION PRESSURE (PSIG)	146	149	153	157	161	165	169
		SUCTION TEMPERATURE (°F)	72	73	75	77	78	80	82
		SUCTION SUPERHEAT (°F)	21	21	21	22	21	22	22
		OUTDOOR UNIT CURRENT (A)	11.0	12.2	13.4	14.5	15.7	16.9	18.1
		COMPRESSOR CURRENT (A)	9.8	11.0	12.2	13.4	14.6	15.8	17.0
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	18	17	15	14
	1710	LIQUID PRESSURE (PSIG)	242	282	322	362	408	454	501
		LIQUID TEMPERATURE (°F)	69	79	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	13	13	12	10	9	7	6
		SUCTION PRESSURE (PSIG)	149	152	156	159	163	167	171
		SUCTION TEMPERATURE (°F)	73	75	76	78	79	81	82
		SUCTION SUPERHEAT (°F)	21	21	21	22	21	22	22
		OUTDOOR UNIT CURRENT (A)	11.0	12.2	13.4	14.6	15.8	17.0	18.2
		COMPRESSOR CURRENT (A)	9.9	11.1	12.3	13.5	14.7	15.9	17.1
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	16	15	14	13
	1910	LIQUID PRESSURE (PSIG)	243	283	323	363	410	456	502
		LIQUID TEMPERATURE (°F)	69	79	89	99	109	119	128
		LIQUID SUBCOOLING (°F)	13	13	12	11	10	8	6
		SUCTION PRESSURE (PSIG)	152	155	159	162	166	169	173
		SUCTION TEMPERATURE (°F)	74	76	77	79	80	82	83
		SUCTION SUPERHEAT (°F)	20	21	21	22	21	22	22
		OUTDOOR UNIT CURRENT (A)	11.1	12.3	13.5	14.7	15.9	17.1	18.3
		COMPRESSOR CURRENT (A)	9.9	11.1	12.3	13.5	14.7	16.0	17.2
		INDOOR COIL DB TEMP DROP (°F)	18	17	16	15	14	13	12

YHJD48S41S4 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1400	LIQUID PRESSURE (PSIG)	220	246	279	363	403	477
		LIQUID TEMPERATURE (°F)	57	54	56	60	62	65
		LIQUID SUBCOOLING (°F)	19	29	35	50	55	65
		SUCTION PRESSURE (PSIG)	53	63	73	98	108	127
		SUCTION TEMPERATURE (°F)	4	11	17	37	43	57
		SUCTION SUPERHEAT (°F)	1	1	0	7	8	13
		OUTDOOR UNIT CURRENT (A)	9.3	10.4	11.2	13.4	14.4	16.3
		COMPRESSOR CURRENT (A)	8.0	9.0	9.8	12.1	13.2	15.1
		INDOOR COIL DB TEMP RISE (°F)	13	17	20	27	30	34
	1600	LIQUID PRESSURE (PSIG)	219	245	283	357	396	465
		LIQUID TEMPERATURE (°F)	54	53	56	59	61	64
		LIQUID SUBCOOLING (°F)	21	30	36	49	55	64
		SUCTION PRESSURE (PSIG)	55	64	74	97	107	125
		SUCTION TEMPERATURE (°F)	5	11	18	37	43	57
		SUCTION SUPERHEAT (°F)	0	0	1	7	8	14
		OUTDOOR UNIT CURRENT (A)	9.4	10.4	11.3	13.3	14.3	16.1
		COMPRESSOR CURRENT (A)	8.0	9.0	9.9	12.0	13.0	14.9
		INDOOR COIL DB TEMP RISE (°F)	12	15	18	24	26	30
	1800	LIQUID PRESSURE (PSIG)	218	245	287	352	388	453
		LIQUID TEMPERATURE (°F)	52	52	55	58	60	63
		LIQUID SUBCOOLING (°F)	23	31	38	49	55	63
		SUCTION PRESSURE (PSIG)	56	64	76	95	105	123
		SUCTION TEMPERATURE (°F)	5	11	19	36	43	57
		SUCTION SUPERHEAT (°F)	-1	0	0	7	9	15
		OUTDOOR UNIT CURRENT (A)	9.4	10.4	11.4	13.1	14.1	15.8
		COMPRESSOR CURRENT (A)	8.0	9.0	10.0	11.9	12.8	14.6
		INDOOR COIL DB TEMP RISE (°F)	11	14	17	21	23	26
70	1400	LIQUID PRESSURE (PSIG)	253	273	317	387	431	512
		LIQUID TEMPERATURE (°F)	67	64	65	68	70	73
		LIQUID SUBCOOLING (°F)	18	26	35	46	52	63
		SUCTION PRESSURE (PSIG)	56	64	78	98	110	131
		SUCTION TEMPERATURE (°F)	5	11	20	34	41	57
		SUCTION SUPERHEAT (°F)	-1	0	0	4	5	12
		OUTDOOR UNIT CURRENT (A)	9.7	10.7	11.9	13.6	14.8	16.9
		COMPRESSOR CURRENT (A)	8.4	9.2	10.5	12.3	13.6	15.7
		INDOOR COIL DB TEMP RISE (°F)	12	15	20	25	28	33
	1600	LIQUID PRESSURE (PSIG)	251	271	318	382	425	501
		LIQUID TEMPERATURE (°F)	65	63	64	67	69	72
		LIQUID SUBCOOLING (°F)	19	26	36	46	52	62
		SUCTION PRESSURE (PSIG)	57	64	79	97	109	129
		SUCTION TEMPERATURE (°F)	6	11	21	34	42	57
		SUCTION SUPERHEAT (°F)	0	0	1	4	6	12
		OUTDOOR UNIT CURRENT (A)	9.7	10.7	11.9	13.5	14.7	16.7
		COMPRESSOR CURRENT (A)	8.4	9.2	10.5	12.3	13.4	15.5
		INDOOR COIL DB TEMP RISE (°F)	11	14	18	22	25	29
	1800	LIQUID PRESSURE (PSIG)	249	269	319	378	418	491
		LIQUID TEMPERATURE (°F)	63	62	63	66	68	71
		LIQUID SUBCOOLING (°F)	21	27	37	47	52	62
		SUCTION PRESSURE (PSIG)	57	64	80	97	108	128
		SUCTION TEMPERATURE (°F)	6	12	21	34	43	57
		SUCTION SUPERHEAT (°F)	0	1	0	4	8	13
		OUTDOOR UNIT CURRENT (A)	8.4	9.3	10.5	12.2	13.3	15.3
		COMPRESSOR CURRENT (A)	8.4	9.3	10.5	12.2	13.3	15.3
		INDOOR COIL DB TEMP RISE (°F)	10	13	16	20	22	26

Continued on next page.

YHJD48S41S4 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1400	LIQUID PRESSURE (PSIG)	286	300	355	411	460	547
		LIQUID TEMPERATURE (°F)	77	74	74	76	78	81
		LIQUID SUBCOOLING (°F)	16	22	34	43	49	60
		SUCTION PRESSURE (PSIG)	59	65	83	99	112	135
		SUCTION TEMPERATURE (°F)	7	12	23	31	39	56
		SUCTION SUPERHEAT (°F)	-1	0	0	0	2	9
		OUTDOOR UNIT CURRENT (A)	10.1	10.9	12.5	13.8	15.2	17.5
		COMPRESSOR CURRENT (A)	8.8	9.4	11.1	12.5	13.9	16.3
		INDOOR COIL DB TEMP RISE (°F)	11	14	20	23	27	32
	1600	LIQUID PRESSURE (PSIG)	282	297	353	407	454	538
		LIQUID TEMPERATURE (°F)	75	72	72	75	77	80
		LIQUID SUBCOOLING (°F)	17	23	36	43	49	60
		SUCTION PRESSURE (PSIG)	59	65	84	98	112	134
		SUCTION TEMPERATURE (°F)	7	12	23	31	41	57
		SUCTION SUPERHEAT (°F)	-1	0	0	1	4	10
		OUTDOOR UNIT CURRENT (A)	10.1	11.0	12.4	13.8	15.1	17.4
		COMPRESSOR CURRENT (A)	8.8	9.5	11.1	12.5	13.8	16.1
		INDOOR COIL DB TEMP RISE (°F)	10	13	18	21	24	28
	1800	LIQUID PRESSURE (PSIG)	279	293	351	404	448	528
		LIQUID TEMPERATURE (°F)	74	71	71	74	76	79
		LIQUID SUBCOOLING (°F)	17	24	36	44	49	59
		SUCTION PRESSURE (PSIG)	59	65	84	98	111	132
		SUCTION TEMPERATURE (°F)	7	12	23	31	43	57
		SUCTION SUPERHEAT (°F)	-1	0	0	1	6	11
		OUTDOOR UNIT CURRENT (A)	10.1	11.0	12.3	13.8	15.0	17.2
		COMPRESSOR CURRENT (A)	8.7	9.5	11.0	12.5	13.7	15.9
		INDOOR COIL DB TEMP RISE (°F)	9	11	16	19	21	25

FOR USE WITH MODELS:

YHJD60S41S6
YHJD60S43S4
YHJD60S44S4
THJD60S41S6
THJD60S43S4
THJD60S44S4
THGD60S41S6
GHGD60S41S6
RHP13J604S22
RHP13J604S31

YHJD60S41S6 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			
65	222 (4)	226 (5)	229 (6)	234 (7)
70	243 (5)	246 (5)	250 (7)	255 (7)
75	264 (6)	266 (6)	271 (7)	276 (8)
80	284 (6)	286 (6)	291 (7)	297 (7)
85	305 (5)	307 (5)	312 (7)	318 (7)
90	326 (5)	327 (5)	332 (6)	339 (6)
95	347 (4)	347 (4)	353 (5)	359 (5)
100	371 (4)	371 (3)	377 (4)	383 (4)
105	395 (3)	395 (3)	401 (3)	408 (4)
110	420 (2)	420 (2)	425 (2)	432 (2)
115	444 (1)	444 (1)	449 (1)	456 (1)
120	468 (1)	468 (1)	473 (1)	480 (1)
125	493 (1)	492 (1)	497 (1)	504 (1)

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.

YHJD60S41S6 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJD60S41S6	35	107	54.9	2.79	50.5	3.17	46.2	3.54	41.8	3.91	37.5	4.28	33.1	4.66	28.8	5.03
	40	119	60.1	2.84	55.6	3.21	51.2	3.59	46.7	3.97	42.3	4.34	37.8	4.72	33.3	5.10
	45	130	65.3	2.88	60.8	3.26	56.2	3.64	51.6	4.02	47.0	4.40	42.4	4.79	37.9	5.17
	50	143	70.6	2.92	65.9	3.31	61.2	3.69	56.5	4.08	51.8	4.47	47.1	4.85	42.4	5.24
	55	156	75.8	2.96	71.0	3.35	66.2	3.74	61.3	4.13	56.5	4.53	51.7	4.92	46.9	5.31

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJD60S41S6 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1650	LIQUID PRESSURE (PSIG)	225	266	306	346	394	441	489
		LIQUID TEMPERATURE (°F)	73	83	93	104	115	125	136
		LIQUID SUBCOOLING (°F)	5	5	4	2	1	-1	-4
		SUCTION PRESSURE (PSIG)	120	123	125	128	131	134	138
		SUCTION TEMPERATURE (°F)	56	57	59	60	61	63	64
		SUCTION SUPERHEAT (°F)	15	16	16	16	16	16	16
		OUTDOOR UNIT CURRENT (A)	13.2	14.9	16.6	18.4	20.7	23.0	25.3
		COMPRESSOR CURRENT (A)	12.0	13.7	15.4	17.2	19.5	21.7	24.0
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1850	LIQUID PRESSURE (PSIG)	226	266	307	347	395	443	490
		LIQUID TEMPERATURE (°F)	73	83	94	104	115	125	136
		LIQUID SUBCOOLING (°F)	4	5	4	2	1	-1	-4
		SUCTION PRESSURE (PSIG)	123	126	128	131	134	136	139
		SUCTION TEMPERATURE (°F)	58	59	60	61	62	64	65
		SUCTION SUPERHEAT (°F)	16	16	16	16	16	16	16
		OUTDOOR UNIT CURRENT (A)	13.2	15.0	16.7	18.4	20.7	23.0	25.3
		COMPRESSOR CURRENT (A)	12.0	13.7	15.5	17.2	19.5	21.8	24.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	18
	2050	LIQUID PRESSURE (PSIG)	227	267	308	348	396	444	491
		LIQUID TEMPERATURE (°F)	74	84	94	104	115	126	136
		LIQUID SUBCOOLING (°F)	4	4	4	2	1	-1	-4
		SUCTION PRESSURE (PSIG)	126	128	131	133	136	139	141
		SUCTION TEMPERATURE (°F)	59	60	61	62	63	65	66
		SUCTION SUPERHEAT (°F)	16	16	16	16	16	16	16
		OUTDOOR UNIT CURRENT (A)	13.2	15.0	16.7	18.5	20.8	23.1	25.4
		COMPRESSOR CURRENT (A)	12.0	13.8	15.5	17.2	19.5	21.9	24.2
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	17
80/62	1650	LIQUID PRESSURE (PSIG)	224	264	305	346	394	441	489
		LIQUID TEMPERATURE (°F)	74	84	94	104	115	125	136
		LIQUID SUBCOOLING (°F)	3	4	3	2	1	-1	-4
		SUCTION PRESSURE (PSIG)	120	123	126	128	131	134	138
		SUCTION TEMPERATURE (°F)	56	58	59	60	61	63	64
		SUCTION SUPERHEAT (°F)	16	16	16	16	16	16	16
		OUTDOOR UNIT CURRENT (A)	13.1	14.9	16.6	18.4	20.7	23.0	25.3
		COMPRESSOR CURRENT (A)	11.9	13.7	15.4	17.1	19.4	21.7	24.0
		INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	24	23	22
	1850	LIQUID PRESSURE (PSIG)	226	266	307	347	395	444	492
		LIQUID TEMPERATURE (°F)	74	84	94	104	115	126	136
		LIQUID SUBCOOLING (°F)	4	4	4	2	1	-1	-4
		SUCTION PRESSURE (PSIG)	124	126	128	131	135	139	143
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	65	67
		SUCTION SUPERHEAT (°F)	16	16	16	16	16	16	16
		OUTDOOR UNIT CURRENT (A)	13.2	14.9	16.7	18.4	20.7	23.1	25.4
		COMPRESSOR CURRENT (A)	12.0	13.7	15.5	17.2	19.5	21.9	24.2
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	22	21
	2050	LIQUID PRESSURE (PSIG)	227	268	308	348	397	446	495
		LIQUID TEMPERATURE (°F)	73	84	94	105	115	126	137
		LIQUID SUBCOOLING (°F)	4	5	4	2	1	-1	-4
		SUCTION PRESSURE (PSIG)	127	129	131	133	139	144	149
		SUCTION TEMPERATURE (°F)	59	60	61	62	65	67	69
		SUCTION SUPERHEAT (°F)	16	16	16	16	16	16	17
		OUTDOOR UNIT CURRENT (A)	13.3	15.0	16.7	18.5	20.8	23.2	25.5
		COMPRESSOR CURRENT (A)	12.1	13.8	15.5	17.2	19.6	22.0	24.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19

Continued on next page.

YHJD60S41S6 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1650	LIQUID PRESSURE (PSIG)	228	269	311	352	400	447	495
		LIQUID TEMPERATURE (°F)	72	83	94	105	115	126	137
		LIQUID SUBCOOLING (°F)	6	6	5	3	1	-1	-4
		SUCTION PRESSURE (PSIG)	130	134	137	140	144	147	150
		SUCTION TEMPERATURE (°F)	61	62	64	65	67	68	70
		SUCTION SUPERHEAT (°F)	16	16	16	16	16	17	17
		OUTDOOR UNIT CURRENT (A)	13.3	15.1	16.8	18.6	20.9	23.2	25.6
		COMPRESSOR CURRENT (A)	12.1	13.8	15.6	17.4	19.7	22.0	24.3
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1850	LIQUID PRESSURE (PSIG)	229	271	312	353	401	449	497
		LIQUID TEMPERATURE (°F)	73	84	94	105	116	126	137
		LIQUID SUBCOOLING (°F)	5	6	5	3	1	-1	-4
		SUCTION PRESSURE (PSIG)	133	137	140	143	146	149	152
		SUCTION TEMPERATURE (°F)	62	64	65	66	68	69	70
		SUCTION SUPERHEAT (°F)	16	16	16	16	16	17	17
		OUTDOOR UNIT CURRENT (A)	13.3	15.1	16.9	18.6	21.0	23.3	25.6
		COMPRESSOR CURRENT (A)	12.1	13.9	15.7	17.4	19.7	22.1	24.4
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	17
	2050	LIQUID PRESSURE (PSIG)	230	272	313	354	402	450	498
		LIQUID TEMPERATURE (°F)	73	84	94	105	116	126	137
		LIQUID SUBCOOLING (°F)	5	6	5	3	1	-1	-3
		SUCTION PRESSURE (PSIG)	137	139	142	145	148	151	154
		SUCTION TEMPERATURE (°F)	64	65	66	67	69	70	71
		SUCTION SUPERHEAT (°F)	16	16	16	16	16	17	17
		OUTDOOR UNIT CURRENT (A)	13.4	15.2	16.9	18.7	21.0	23.4	25.7
		COMPRESSOR CURRENT (A)	12.2	13.9	15.7	17.5	19.8	22.1	24.5
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	17
80/72	1650	LIQUID PRESSURE (PSIG)	233	275	316	358	406	455	503
		LIQUID TEMPERATURE (°F)	73	84	95	106	116	127	137
		LIQUID SUBCOOLING (°F)	6	6	5	3	2	0	-3
		SUCTION PRESSURE (PSIG)	142	146	150	154	157	160	163
		SUCTION TEMPERATURE (°F)	66	68	69	71	72	73	75
		SUCTION SUPERHEAT (°F)	16	16	17	17	17	17	17
		OUTDOOR UNIT CURRENT (A)	13.5	15.3	17.1	18.8	21.2	23.6	25.9
		COMPRESSOR CURRENT (A)	12.3	14.1	15.8	17.6	20.0	22.3	24.7
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	16	16	15	14
	1850	LIQUID PRESSURE (PSIG)	234	276	318	359	408	456	504
		LIQUID TEMPERATURE (°F)	74	84	95	106	116	127	137
		LIQUID SUBCOOLING (°F)	6	6	5	3	2	0	-3
		SUCTION PRESSURE (PSIG)	146	149	153	156	159	163	166
		SUCTION TEMPERATURE (°F)	68	69	71	72	73	74	76
		SUCTION SUPERHEAT (°F)	16	17	17	17	17	17	17
		OUTDOOR UNIT CURRENT (A)	13.5	15.3	17.1	18.9	21.3	23.6	26.0
		COMPRESSOR CURRENT (A)	12.3	14.1	15.9	17.7	20.0	22.4	24.7
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	15	15	14	13
	2050	LIQUID PRESSURE (PSIG)	235	277	319	361	409	457	505
		LIQUID TEMPERATURE (°F)	74	85	95	106	117	127	138
		LIQUID SUBCOOLING (°F)	6	6	5	3	2	0	-3
		SUCTION PRESSURE (PSIG)	149	152	156	159	162	165	168
		SUCTION TEMPERATURE (°F)	69	70	72	73	74	75	76
		SUCTION SUPERHEAT (°F)	17	17	17	17	17	17	17
		OUTDOOR UNIT CURRENT (A)	13.6	15.4	17.2	19.0	21.3	23.6	26.0
		COMPRESSOR CURRENT (A)	12.4	14.2	15.9	17.7	20.1	22.4	24.8
		INDOOR COIL DB TEMP DROP (°F)	16	15	15	14	14	13	12

YHJD60S41S6 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1600	LIQUID PRESSURE (PSIG)	224	226	268	291	311	343
		LIQUID TEMPERATURE (°F)	69	70	68	70	71	73
		LIQUID SUBCOOLING (°F)	8	7	21	24	28	33
		SUCTION PRESSURE (PSIG)	44	46	73	86	97	112
		SUCTION TEMPERATURE (°F)	-3	-2	17	25	39	53
		SUCTION SUPERHEAT (°F)	1	0	0	1	9	16
		OUTDOOR UNIT CURRENT (A)	13.6	13.7	15.1	15.9	16.7	18.0
		COMPRESSOR CURRENT (A)	12.1	12.2	13.7	14.5	15.3	16.6
		INDOOR COIL DB TEMP RISE (°F)	15	16	24	28	31	36
	1800	LIQUID PRESSURE (PSIG)	220	228	254	279	301	329
		LIQUID TEMPERATURE (°F)	68	68	67	68	69	71
		LIQUID SUBCOOLING (°F)	8	10	18	23	27	32
		SUCTION PRESSURE (PSIG)	44	50	68	83	96	110
		SUCTION TEMPERATURE (°F)	-3	2	14	24	39	53
		SUCTION SUPERHEAT (°F)	1	1	0	1	10	17
		OUTDOOR UNIT CURRENT (A)	13.4	13.7	14.5	15.4	16.3	17.4
		COMPRESSOR CURRENT (A)	12.0	12.2	13.1	14.0	14.9	16.1
		INDOOR COIL DB TEMP RISE (°F)	14	15	21	25	28	32
	2000	LIQUID PRESSURE (PSIG)	216	229	240	268	290	316
		LIQUID TEMPERATURE (°F)	67	66	65	65	66	68
		LIQUID SUBCOOLING (°F)	8	12	16	24	28	32
		SUCTION PRESSURE (PSIG)	44	55	63	81	94	108
		SUCTION TEMPERATURE (°F)	-3	6	11	22	39	54
		SUCTION SUPERHEAT (°F)	1	1	1	1	11	19
		OUTDOOR UNIT CURRENT (A)	13.2	13.6	13.9	14.9	15.8	16.9
		COMPRESSOR CURRENT (A)	11.8	12.2	12.5	13.6	14.5	15.5
		INDOOR COIL DB TEMP RISE (°F)	12	15	17	22	25	28
70	1600	LIQUID PRESSURE (PSIG)	254	265	304	314	353	388
		LIQUID TEMPERATURE (°F)	76	79	79	80	80	82
		LIQUID SUBCOOLING (°F)	9	9	18	19	28	33
		SUCTION PRESSURE (PSIG)	41	49	74	79	99	115
		SUCTION TEMPERATURE (°F)	-6	1	18	21	38	53
		SUCTION SUPERHEAT (°F)	0	0	1	1	7	15
		OUTDOOR UNIT CURRENT (A)	14.8	15.2	16.5	16.9	18.4	19.9
		COMPRESSOR CURRENT (A)	13.3	13.7	15.1	15.5	17.0	18.6
		INDOOR COIL DB TEMP RISE (°F)	13	16	23	25	31	35
	1800	LIQUID PRESSURE (PSIG)	249	262	290	312	342	374
		LIQUID TEMPERATURE (°F)	75	78	78	78	78	80
		LIQUID SUBCOOLING (°F)	9	9	16	21	27	32
		SUCTION PRESSURE (PSIG)	40	50	69	82	98	114
		SUCTION TEMPERATURE (°F)	-7	1	15	23	38	53
		SUCTION SUPERHEAT (°F)	0	0	1	1	8	15
		OUTDOOR UNIT CURRENT (A)	14.7	15.1	15.9	16.7	17.9	19.3
		COMPRESSOR CURRENT (A)	13.1	13.6	14.5	15.3	16.5	18.0
		INDOOR COIL DB TEMP RISE (°F)	12	15	20	23	28	32
	2000	LIQUID PRESSURE (PSIG)	244	259	276	309	331	360
		LIQUID TEMPERATURE (°F)	74	76	76	75	76	78
		LIQUID SUBCOOLING (°F)	8	10	15	23	27	31
		SUCTION PRESSURE (PSIG)	39	52	65	85	97	112
		SUCTION TEMPERATURE (°F)	-7	3	12	24	39	54
		SUCTION SUPERHEAT (°F)	1	0	0	0	9	17
		OUTDOOR UNIT CURRENT (A)	12.9	13.4	14.0	15.2	16.1	17.4
		COMPRESSOR CURRENT (A)	12.9	13.4	14.0	15.2	16.1	17.4
		INDOOR COIL DB TEMP RISE (°F)	11	14	17	22	25	28

Continued on next page.

YHJD60S41S6 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1600	LIQUID PRESSURE (PSIG)	283	304	340	337	395	432
		LIQUID TEMPERATURE (°F)	83	88	89	91	90	92
		LIQUID SUBCOOLING (°F)	9	9	16	13	26	31
		SUCTION PRESSURE (PSIG)	37	51	75	73	101	119
		SUCTION TEMPERATURE (°F)	-9	3	18	17	37	53
		SUCTION SUPERHEAT (°F)	1	1	0	0	5	13
		OUTDOOR UNIT CURRENT (A)	16.1	16.7	18.0	17.8	20.1	21.9
		COMPRESSOR CURRENT (A)	14.4	15.3	16.5	16.4	18.7	20.5
		INDOOR COIL DB TEMP RISE (°F)	11	16	22	22	30	35
	1800	LIQUID PRESSURE (PSIG)	277	297	326	344	383	419
		LIQUID TEMPERATURE (°F)	82	87	88	88	88	89
		LIQUID SUBCOOLING (°F)	9	8	14	18	26	31
		SUCTION PRESSURE (PSIG)	36	50	71	81	100	117
		SUCTION TEMPERATURE (°F)	-10	1	16	22	37	53
		SUCTION SUPERHEAT (°F)	0	0	0	1	6	14
		OUTDOOR UNIT CURRENT (A)	15.9	16.5	17.4	18.0	19.6	21.2
		COMPRESSOR CURRENT (A)	14.2	15.0	16.0	16.6	18.2	19.9
		INDOOR COIL DB TEMP RISE (°F)	10	14	19	22	27	31
	2000	LIQUID PRESSURE (PSIG)	271	289	312	350	371	405
		LIQUID TEMPERATURE (°F)	81	85	87	85	85	87
		LIQUID SUBCOOLING (°F)	8	9	12	22	26	31
		SUCTION PRESSURE (PSIG)	34	48	67	90	99	116
		SUCTION TEMPERATURE (°F)	-12	0	14	27	38	54
		SUCTION SUPERHEAT (°F)	0	1	1	1	7	15
		OUTDOOR UNIT CURRENT (A)	15.8	16.2	16.8	18.2	19.1	20.6
		COMPRESSOR CURRENT (A)	14.0	14.7	15.4	16.8	17.8	19.2
		INDOOR COIL DB TEMP RISE (°F)	9	12	16	22	24	28

FOR USE WITH MODELS:**YHJR18S41S3****THJR18S41S3****RHP13R184S21**

YHJR18S41S3 SUPERHEAT CHARGING CHART												
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE											
	110	115	120	125	130	135	140	145	150	155	160	165
	TEMPERATURE (°F) AT SUCTION BASE VALVE											
65	38	44	51	57	64	70	77	..	..	..	..	..
70	35	41	48	54	60	66	73	80	..	..	..	..
75	..	39	45	51	57	63	69	76	..	..	..	..
80	..	..	42	48	54	60	66	72	78	..	..	..
85	..	..	..	45	51	57	62	68	74	..	..	..
90	..	..	..	43	49	54	59	65	71	76	..	..
95	..	..	..	..	46	51	56	62	67	73	78	..
100	..	..	..	..	..	48	53	58	63	69	75	..
105	..	..	..	..	..	..	50	55	60	65	70	76
110	..	..	..	..	..	..	..	52	56	61	67	72
115	..	..	..	..	..	..	..	..	54	58	63	68
120	..	..	..	..	..	..	..	..	..	55	59	64
125	..	..	..	..	..	..	..	..	..	53	57	61

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

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

YHJR18S41S3 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJR18S41S3	35	107	21.0	2.27	18.0	2.32	15.0	2.36	12.1	2.41	9.1	2.46	6.1	2.51	3.1	2.55
	40	119	23.3	2.43	20.3	2.49	17.3	2.56	14.2	2.62	11.2	2.69	8.2	2.75	5.1	2.82
	45	130	25.7	2.59	22.6	2.67	19.5	2.75	16.4	2.84	13.3	2.92	10.2	3.00	7.1	3.08
	50	143	28.1	2.75	24.9	2.85	21.7	2.95	18.6	3.05	15.4	3.15	12.3	3.25	9.1	3.35
	55	156	30.4	2.91	27.2	3.03	24.0	3.15	20.8	3.26	17.5	3.38	14.3	3.50	11.1	3.61

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJR18S41S3 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	450	LIQUID PRESSURE (PSIG)	247	286	324	363	409	456	502
		LIQUID TEMPERATURE (°F)	68	80	91	103	113	123	133
		LIQUID SUBCOOLING (°F)	15	13	11	7	6	4	1
		SUCTION PRESSURE (PSIG)	118	123	128	132	140	148	156
		SUCTION TEMPERATURE (°F)	47	48	49	50	51	53	54
		SUCTION SUPERHEAT (°F)	7	6	5	4	2	1	-1
		OUTDOOR UNIT CURRENT (A)	5.6	6.0	6.3	6.7	7.0	7.3	7.5
		COMPRESSOR CURRENT (A)	4.8	5.2	5.5	5.9	6.2	6.5	6.7
		INDOOR COIL DB TEMP DROP (°F)	28	27	25	24	22	19	17
	600	LIQUID PRESSURE (PSIG)	253	292	330	369	416	464	512
		LIQUID TEMPERATURE (°F)	68	79	90	102	112	123	134
		LIQUID SUBCOOLING (°F)	17	15	13	9	8	5	2
		SUCTION PRESSURE (PSIG)	124	129	133	138	145	151	158
		SUCTION TEMPERATURE (°F)	55	55	54	54	54	55	55
		SUCTION SUPERHEAT (°F)	13	10	8	6	3	2	-1
		OUTDOOR UNIT CURRENT (A)	5.7	6.1	6.4	6.8	7.1	7.4	7.7
		COMPRESSOR CURRENT (A)	4.9	5.3	5.6	6.0	6.3	6.6	6.9
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	19	18	16
	750	LIQUID PRESSURE (PSIG)	259	297	336	374	424	473	522
		LIQUID TEMPERATURE (°F)	67	78	89	100	111	123	134
		LIQUID SUBCOOLING (°F)	19	17	15	12	10	7	3
		SUCTION PRESSURE (PSIG)	130	134	139	143	149	155	161
		SUCTION TEMPERATURE (°F)	63	61	60	58	57	57	56
		SUCTION SUPERHEAT (°F)	18	14	11	8	5	2	-1
		OUTDOOR UNIT CURRENT (A)	5.8	6.1	6.5	6.9	7.2	7.6	7.9
		COMPRESSOR CURRENT (A)	5.0	5.3	5.7	6.1	6.4	6.8	7.1
		INDOOR COIL DB TEMP DROP (°F)	20	19	19	18	17	16	15
80/62	450	LIQUID PRESSURE (PSIG)	245	284	324	363	411	460	508
		LIQUID TEMPERATURE (°F)	69	80	92	103	113	124	134
		LIQUID SUBCOOLING (°F)	14	12	10	7	6	3	1
		SUCTION PRESSURE (PSIG)	118	123	128	132	143	153	163
		SUCTION TEMPERATURE (°F)	50	50	50	50	52	54	57
		SUCTION SUPERHEAT (°F)	10	8	6	4	2	0	-1
		OUTDOOR UNIT CURRENT (A)	5.6	6.0	6.3	6.7	7.0	7.4	7.7
		COMPRESSOR CURRENT (A)	4.8	5.2	5.5	5.9	6.2	6.6	6.9
		INDOOR COIL DB TEMP DROP (°F)	31	30	29	28	25	23	20
	600	LIQUID PRESSURE (PSIG)	253	292	330	369	414	460	506
		LIQUID TEMPERATURE (°F)	68	79	90	102	112	123	134
		LIQUID SUBCOOLING (°F)	17	15	13	9	7	4	1
		SUCTION PRESSURE (PSIG)	125	129	133	138	147	157	167
		SUCTION TEMPERATURE (°F)	57	56	55	55	57	59	62
		SUCTION SUPERHEAT (°F)	14	11	9	7	5	4	3
		OUTDOOR UNIT CURRENT (A)	5.7	6.1	6.4	6.8	7.2	7.6	7.9
		COMPRESSOR CURRENT (A)	4.9	5.3	5.6	6.0	6.4	6.8	7.1
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	24	22	20	18
	750	LIQUID PRESSURE (PSIG)	261	299	337	375	418	460	503
		LIQUID TEMPERATURE (°F)	67	78	89	100	111	123	134
		LIQUID SUBCOOLING (°F)	20	18	15	12	9	4	0
		SUCTION PRESSURE (PSIG)	131	135	139	143	152	161	170
		SUCTION TEMPERATURE (°F)	63	62	60	59	62	64	67
		SUCTION SUPERHEAT (°F)	18	15	11	9	8	7	7
		OUTDOOR UNIT CURRENT (A)	5.8	6.2	6.5	6.9	7.3	7.7	8.2
		COMPRESSOR CURRENT (A)	5.0	5.4	5.7	6.1	6.5	6.9	7.4
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	19	18	16

Continued on next page.

YHJR18S41S3 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	450	LIQUID PRESSURE (PSIG)	255	294	334	374	422	471	520
		LIQUID TEMPERATURE (°F)	68	79	90	100	112	123	134
		LIQUID SUBCOOLING (°F)	17	16	14	12	9	6	3
		SUCTION PRESSURE (PSIG)	127	132	138	143	150	157	163
		SUCTION TEMPERATURE (°F)	61	61	60	60	59	58	57
		SUCTION SUPERHEAT (°F)	17	15	12	10	6	3	-1
		OUTDOOR UNIT CURRENT (A)	5.7	6.1	6.5	6.9	7.3	7.7	8.1
		COMPRESSOR CURRENT (A)	4.9	5.3	5.7	6.1	6.5	6.9	7.3
		INDOOR COIL DB TEMP DROP (°F)	28	26	25	24	22	21	19
	600	LIQUID PRESSURE (PSIG)	259	299	340	380	426	472	519
		LIQUID TEMPERATURE (°F)	68	78	89	100	111	123	134
		LIQUID SUBCOOLING (°F)	18	18	16	13	11	6	3
		SUCTION PRESSURE (PSIG)	132	137	143	148	154	160	166
		SUCTION TEMPERATURE (°F)	67	67	66	66	65	64	64
		SUCTION SUPERHEAT (°F)	21	19	16	14	11	8	5
		OUTDOOR UNIT CURRENT (A)	5.8	6.2	6.6	7.0	7.4	7.8	8.1
		COMPRESSOR CURRENT (A)	5.0	5.4	5.8	6.2	6.6	7.0	7.3
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	18	17
	750	LIQUID PRESSURE (PSIG)	264	304	345	385	430	474	518
		LIQUID TEMPERATURE (°F)	68	78	88	99	111	123	135
		LIQUID SUBCOOLING (°F)	20	19	18	15	11	7	2
		SUCTION PRESSURE (PSIG)	137	142	148	153	158	163	168
		SUCTION TEMPERATURE (°F)	74	73	72	71	71	71	71
		SUCTION SUPERHEAT (°F)	26	23	20	17	15	13	12
		OUTDOOR UNIT CURRENT (A)	5.8	6.2	6.7	7.1	7.5	7.8	8.2
		COMPRESSOR CURRENT (A)	5.0	5.4	5.9	6.3	6.7	7.0	7.4
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	16	15
80/72	450	LIQUID PRESSURE (PSIG)	261	303	345	387	439	490	542
		LIQUID TEMPERATURE (°F)	68	78	88	99	109	119	129
		LIQUID SUBCOOLING (°F)	19	19	18	15	15	13	11
		SUCTION PRESSURE (PSIG)	133	140	146	153	159	166	172
		SUCTION TEMPERATURE (°F)	68	68	69	69	66	63	60
		SUCTION SUPERHEAT (°F)	22	19	18	15	10	4	-1
		OUTDOOR UNIT CURRENT (A)	5.8	6.2	6.7	7.1	7.5	7.9	8.3
		COMPRESSOR CURRENT (A)	5.0	5.4	5.9	6.3	6.7	7.1	7.5
		INDOOR COIL DB TEMP DROP (°F)	24	22	21	20	19	17	16
	600	LIQUID PRESSURE (PSIG)	265	307	349	391	440	490	540
		LIQUID TEMPERATURE (°F)	68	78	88	98	109	119	129
		LIQUID SUBCOOLING (°F)	20	20	19	17	15	13	11
		SUCTION PRESSURE (PSIG)	138	144	151	157	163	169	176
		SUCTION TEMPERATURE (°F)	74	74	74	75	73	71	69
		SUCTION SUPERHEAT (°F)	26	23	21	20	15	11	7
		OUTDOOR UNIT CURRENT (A)	5.8	6.3	6.7	7.2	7.6	8.0	8.4
		COMPRESSOR CURRENT (A)	5.0	5.5	5.9	6.4	6.8	7.2	7.6
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	16	15	14
	750	LIQUID PRESSURE (PSIG)	269	311	353	395	442	490	537
		LIQUID TEMPERATURE (°F)	67	78	88	98	109	119	129
		LIQUID SUBCOOLING (°F)	22	21	20	18	15	13	11
		SUCTION PRESSURE (PSIG)	142	148	155	161	167	173	179
		SUCTION TEMPERATURE (°F)	80	80	80	80	80	79	78
		SUCTION SUPERHEAT (°F)	30	28	25	23	21	18	15
		OUTDOOR UNIT CURRENT (A)	5.9	6.3	6.8	7.3	7.7	8.0	8.4
		COMPRESSOR CURRENT (A)	5.1	5.5	6.0	6.5	6.8	7.2	7.6
		INDOOR COIL DB TEMP DROP (°F)	16	15	14	14	13	12	11

YHJR18S41S3 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	450	LIQUID PRESSURE (PSIG)	245	277	311	336	352	384
		LIQUID TEMPERATURE (°F)	33	42	52	61	68	80
		LIQUID SUBCOOLING (°F)	50	49	47	43	39	34
		SUCTION PRESSURE (PSIG)	48	64	81	97	110	135
		SUCTION TEMPERATURE (°F)	10	19	29	38	43	53
		SUCTION SUPERHEAT (°F)	10	8	8	8	7	6
		OUTDOOR UNIT CURRENT (A)	4.9	5.3	5.9	6.1	6.4	6.8
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	5.3	5.6	6.0
		INDOOR COIL DB TEMP RISE (°F)	13	19	31	31	35	42
	600	LIQUID PRESSURE (PSIG)	236	264	293	314	333	353
		LIQUID TEMPERATURE (°F)	34	41	51	59	65	76
		LIQUID SUBCOOLING (°F)	46	47	44	40	38	32
		SUCTION PRESSURE (PSIG)	49	63	80	95	117	133
		SUCTION TEMPERATURE (°F)	8	18	28	37	48	52
		SUCTION SUPERHEAT (°F)	8	8	7	8	9	6
		OUTDOOR UNIT CURRENT (A)	4.9	5.2	5.8	6.0	6.0	6.6
		COMPRESSOR CURRENT (A)	3.9	4.4	5.0	5.2	5.6	5.8
		INDOOR COIL DB TEMP RISE (°F)	11	15	25	25	27	35
	750	LIQUID PRESSURE (PSIG)	226	250	274	291	315	321
		LIQUID TEMPERATURE (°F)	34	41	49	57	62	73
		LIQUID SUBCOOLING (°F)	43	43	41	37	38	28
		SUCTION PRESSURE (PSIG)	49	62	80	93	123	132
		SUCTION TEMPERATURE (°F)	7	17	28	36	53	51
		SUCTION SUPERHEAT (°F)	7	7	7	8	11	5
		OUTDOOR UNIT CURRENT (A)	4.9	5.2	5.8	5.9	5.5	6.3
		COMPRESSOR CURRENT (A)	4.0	4.4	4.9	5.1	5.5	5.5
		INDOOR COIL DB TEMP RISE (°F)	9	12	20	20	20	29
70	450	LIQUID PRESSURE (PSIG)	280	306	342	370	388	421
		LIQUID TEMPERATURE (°F)	37	45	57	66	73	84
		LIQUID SUBCOOLING (°F)	54	53	48	45	42	37
		SUCTION PRESSURE (PSIG)	52	65	83	99	112	137
		SUCTION TEMPERATURE (°F)	11	19	30	39	44	54
		SUCTION SUPERHEAT (°F)	8	7	7	8	7	6
		OUTDOOR UNIT CURRENT (A)	4.9	5.2	5.9	6.2	6.6	7.0
		COMPRESSOR CURRENT (A)	4.0	4.4	5.0	5.4	5.8	6.2
		INDOOR COIL DB TEMP RISE (°F)	12	16	28	28	33	39
	600	LIQUID PRESSURE (PSIG)	271	293	324	348	366	390
		LIQUID TEMPERATURE (°F)	38	45	56	64	70	81
		LIQUID SUBCOOLING (°F)	51	50	46	43	40	34
		SUCTION PRESSURE (PSIG)	52	64	82	98	115	136
		SUCTION TEMPERATURE (°F)	10	18	30	38	46	53
		SUCTION SUPERHEAT (°F)	7	7	8	8	8	6
		OUTDOOR UNIT CURRENT (A)	4.9	5.2	5.8	6.1	3.7	6.8
		COMPRESSOR CURRENT (A)	4.0	4.4	5.0	5.3	5.7	6.0
		INDOOR COIL DB TEMP RISE (°F)	10	13	23	23	26	33
	750	LIQUID PRESSURE (PSIG)	262	280	307	325	343	358
		LIQUID TEMPERATURE (°F)	38	45	55	63	68	78
		LIQUID SUBCOOLING (°F)	49	46	43	39	38	31
		SUCTION PRESSURE (PSIG)	52	63	81	96	117	134
		SUCTION TEMPERATURE (°F)	10	18	29	37	48	53
		SUCTION SUPERHEAT (°F)	7	8	8	8	9	6
		OUTDOOR UNIT CURRENT (A)	5.0	5.2	5.8	6.1	6.0	6.6
		COMPRESSOR CURRENT (A)	4.1	4.4	5.0	5.3	5.6	5.8
		INDOOR COIL DB TEMP RISE (°F)	8	11	19	19	20	27

Continued on next page.

YHJR18S41S3 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	450	LIQUID PRESSURE (PSIG)	316	336	372	404	424	458
		LIQUID TEMPERATURE (°F)	41	49	62	71	78	89
		LIQUID SUBCOOLING (°F)	59	55	49	47	43	38
		SUCTION PRESSURE (PSIG)	56	65	84	102	114	139
		SUCTION TEMPERATURE (°F)	13	19	32	40	45	56
		SUCTION SUPERHEAT (°F)	7	7	9	8	7	7
		OUTDOOR UNIT CURRENT (A)	4.9	5.2	5.8	6.4	6.7	7.3
		COMPRESSOR CURRENT (A)	4.1	4.3	5.0	5.6	5.9	6.5
		INDOOR COIL DB TEMP RISE (°F)	11	14	26	26	30	37
	600	LIQUID PRESSURE (PSIG)	307	323	356	381	398	427
		LIQUID TEMPERATURE (°F)	42	49	62	70	76	86
		LIQUID SUBCOOLING (°F)	56	52	46	43	40	36
		SUCTION PRESSURE (PSIG)	56	65	84	100	113	138
		SUCTION TEMPERATURE (°F)	13	19	31	39	44	55
		SUCTION SUPERHEAT (°F)	7	7	8	8	6	7
		OUTDOOR UNIT CURRENT (A)	5.0	5.2	5.9	6.3	1.4	7.1
		COMPRESSOR CURRENT (A)	4.1	4.4	5.0	5.5	5.8	6.3
		INDOOR COIL DB TEMP RISE (°F)	9	11	22	22	25	31
	750	LIQUID PRESSURE (PSIG)	299	310	340	359	372	395
		LIQUID TEMPERATURE (°F)	42	49	61	69	74	84
		LIQUID SUBCOOLING (°F)	54	49	44	40	37	32
		SUCTION PRESSURE (PSIG)	56	64	83	99	112	136
		SUCTION TEMPERATURE (°F)	13	19	31	39	44	54
		SUCTION SUPERHEAT (°F)	7	8	8	8	7	7
		OUTDOOR UNIT CURRENT (A)	5.0	5.3	5.9	6.2	6.5	6.9
		COMPRESSOR CURRENT (A)	4.2	4.4	5.1	5.4	5.7	6.1
		INDOOR COIL DB TEMP RISE (°F)	7	9	17	17	20	25

FOR USE WITH MODELS:

YHJR24S41S4
THJR24S41S4
RHP13R244S21

YHJR24S41S4 SUPERHEAT CHARGING CHART												
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE											
	119	123	127	131	136	145	149	154	158	162	166	171
	TEMPERATURE (°F) AT SUCTION BASE VALVE											
65	47	56	64	73	82	100	..	..	..	..	..	..
70	42	50	59	67	75	92	100	..	..	..	..	..
75	..	46	54	62	69	85	93	100	..	..	..	..
80	..	..	50	57	63	78	85	93	100	..	..	..
85	..	..	48	53	58	71	78	85	93	100	..	..
90	..	..	..	51	55	66	72	78	85	93	101	..
95	..	..	..	50	52	60	65	71	77	85	93	102
100	..	..	..	..	52	58	63	67	73	79	87	95
105	..	..	..	..	54	57	59	63	68	74	80	88
110	..	..	..	..	..	57	59	61	65	70	75	82
115	..	..	..	..	..	58	58	60	62	66	70	76
120	..	..	..	..	..	60	59	60	61	63	67	71
125	..	..	..	..	..	..	61	61	61	62	64	67

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

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

YHJR24S41S4 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJR24S41S4	35	107	20.0	1.53	19.5	1.54	19.0	1.55	18.5	1.55	18.0	1.56	17.5	1.57	17.0	1.58
	40	119	23.7	1.60	22.5	1.62	21.4	1.64	20.2	1.66	19.0	1.68	17.9	1.70	16.7	1.72
	45	130	27.4	1.66	25.5	1.70	23.7	1.73	21.9	1.76	20.0	1.80	18.2	1.83	16.3	1.87
	50	143	31.1	1.73	28.6	1.77	26.0	1.82	23.5	1.87	21.0	1.92	18.5	1.97	16.0	2.01
	55	156	34.8	1.79	31.6	1.85	28.4	1.91	25.2	1.97	22.0	2.04	18.8	2.10	15.6	2.16

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJR24S41S4 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	600	LIQUID PRESSURE (PSIG)	258	300	342	385	433	481	529
		LIQUID TEMPERATURE (°F)	74	84	94	104	115	126	136
		LIQUID SUBCOOLING (°F)	12	12	11	10	8	5	3
		SUCTION PRESSURE (PSIG)	123	125	128	130	136	141	146
		SUCTION TEMPERATURE (°F)	46	47	49	50	53	55	58
		SUCTION SUPERHEAT (°F)	4	4	5	5	6	6	7
		OUTDOOR UNIT CURRENT (A)	7.0	7.3	7.6	7.8	8.2	8.5	8.8
		COMPRESSOR CURRENT (A)	6.2	6.5	6.8	7.0	7.4	7.7	8.0
		INDOOR COIL DB TEMP DROP (°F)	27	25	23	22	21	19	18
	800	LIQUID PRESSURE (PSIG)	265	306	347	389	437	486	534
		LIQUID TEMPERATURE (°F)	73	84	94	104	115	125	136
		LIQUID SUBCOOLING (°F)	15	14	12	11	9	7	3
		SUCTION PRESSURE (PSIG)	130	132	135	137	142	147	152
		SUCTION TEMPERATURE (°F)	65	61	57	53	56	58	61
		SUCTION SUPERHEAT (°F)	20	15	10	5	6	6	7
		OUTDOOR UNIT CURRENT (A)	7.1	7.4	7.8	8.1	8.4	8.8	9.1
		COMPRESSOR CURRENT (A)	6.3	6.6	7.0	7.3	7.6	8.0	8.3
		INDOOR COIL DB TEMP DROP (°F)	24	22	21	19	18	17	16
	1000	LIQUID PRESSURE (PSIG)	271	312	353	393	442	491	540
		LIQUID TEMPERATURE (°F)	73	83	94	104	114	125	135
		LIQUID SUBCOOLING (°F)	16	16	14	12	10	8	5
		SUCTION PRESSURE (PSIG)	137	139	141	143	148	153	158
		SUCTION TEMPERATURE (°F)	84	75	66	56	59	61	64
		SUCTION SUPERHEAT (°F)	36	26	17	6	7	7	8
		OUTDOOR UNIT CURRENT (A)	7.2	7.6	8.0	8.3	8.7	9.0	9.4
		COMPRESSOR CURRENT (A)	6.4	6.8	7.2	7.5	7.9	8.2	8.6
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	16	15	14	13
80/62	600	LIQUID PRESSURE (PSIG)	257	299	342	384	437	489	542
		LIQUID TEMPERATURE (°F)	74	84	94	105	114	124	133
		LIQUID SUBCOOLING (°F)	12	12	11	9	10	8	7
		SUCTION PRESSURE (PSIG)	120	125	129	134	141	147	153
		SUCTION TEMPERATURE (°F)	44	47	49	52	55	58	62
		SUCTION SUPERHEAT (°F)	3	4	4	5	6	6	8
		OUTDOOR UNIT CURRENT (A)	6.9	7.3	7.6	8.0	8.4	8.7	9.1
		COMPRESSOR CURRENT (A)	6.1	6.5	6.8	7.2	7.6	7.9	8.3
		INDOOR COIL DB TEMP DROP (°F)	32	30	28	26	24	22	20
	800	LIQUID PRESSURE (PSIG)	257	303	348	393	445	496	548
		LIQUID TEMPERATURE (°F)	74	84	94	104	114	124	134
		LIQUID SUBCOOLING (°F)	12	13	13	12	11	9	7
		SUCTION PRESSURE (PSIG)	123	130	136	143	150	157	163
		SUCTION TEMPERATURE (°F)	60	60	60	60	61	63	64
		SUCTION SUPERHEAT (°F)	18	15	13	10	8	8	6
		OUTDOOR UNIT CURRENT (A)	6.9	7.4	7.9	8.3	8.8	9.3	9.7
		COMPRESSOR CURRENT (A)	6.1	6.6	7.1	7.5	8.0	8.4	8.9
		INDOOR COIL DB TEMP DROP (°F)	30	27	25	22	21	19	17
	1000	LIQUID PRESSURE (PSIG)	258	306	354	401	452	503	554
		LIQUID TEMPERATURE (°F)	74	84	94	104	114	124	134
		LIQUID SUBCOOLING (°F)	12	14	14	13	12	10	8
		SUCTION PRESSURE (PSIG)	126	135	143	152	159	166	173
		SUCTION TEMPERATURE (°F)	75	73	70	68	67	67	67
		SUCTION SUPERHEAT (°F)	32	26	20	14	11	8	6
		OUTDOOR UNIT CURRENT (A)	6.9	7.5	8.1	8.7	9.2	9.8	10.3
		COMPRESSOR CURRENT (A)	6.1	6.7	7.3	7.9	8.4	9.0	9.5
		INDOOR COIL DB TEMP DROP (°F)	27	25	22	19	17	16	14

Continued on next page.

YHJR24S41S4 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	600	LIQUID PRESSURE (PSIG)	271	313	354	395	443	491	539
		LIQUID TEMPERATURE (°F)	72	83	94	104	114	124	135
		LIQUID SUBCOOLING (°F)	17	16	14	12	11	9	5
		SUCTION PRESSURE (PSIG)	137	140	143	145	149	153	157
		SUCTION TEMPERATURE (°F)	84	75	66	57	59	61	63
		SUCTION SUPERHEAT (°F)	36	26	16	6	7	7	8
		OUTDOOR UNIT CURRENT (A)	7.2	7.6	8.0	8.4	8.7	9.0	9.3
		COMPRESSOR CURRENT (A)	6.4	6.8	7.2	7.6	7.9	8.2	8.5
		INDOOR COIL DB TEMP DROP (°F)	27	26	24	23	22	20	18
	800	LIQUID PRESSURE (PSIG)	274	316	358	400	448	496	544
		LIQUID TEMPERATURE (°F)	72	83	93	104	114	124	135
		LIQUID SUBCOOLING (°F)	18	17	16	13	11	9	6
		SUCTION PRESSURE (PSIG)	141	144	147	150	154	158	162
		SUCTION TEMPERATURE (°F)	94	83	73	63	63	64	64
		SUCTION SUPERHEAT (°F)	45	32	21	10	9	8	7
		OUTDOOR UNIT CURRENT (A)	7.2	7.7	8.1	8.6	9.0	9.3	9.7
		COMPRESSOR CURRENT (A)	6.4	6.9	7.3	7.8	8.2	8.5	8.9
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	19	18	16
	1000	LIQUID PRESSURE (PSIG)	277	320	362	405	453	500	548
		LIQUID TEMPERATURE (°F)	72	82	93	103	114	124	135
		LIQUID SUBCOOLING (°F)	19	19	16	15	12	10	6
		SUCTION PRESSURE (PSIG)	145	149	152	155	159	164	168
		SUCTION TEMPERATURE (°F)	103	92	80	69	68	66	65
		SUCTION SUPERHEAT (°F)	52	40	26	14	12	8	6
		OUTDOOR UNIT CURRENT (A)	7.2	7.7	8.3	8.8	9.2	9.6	10.0
		COMPRESSOR CURRENT (A)	6.4	6.9	7.5	8.0	8.4	8.8	9.2
		INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	17	15	14
80/72	600	LIQUID PRESSURE (PSIG)	274	318	362	406	456	507	557
		LIQUID TEMPERATURE (°F)	72	83	93	103	113	123	133
		LIQUID SUBCOOLING (°F)	18	17	16	15	14	12	10
		SUCTION PRESSURE (PSIG)	142	147	152	158	163	169	174
		SUCTION TEMPERATURE (°F)	93	90	87	84	76	68	61
		SUCTION SUPERHEAT (°F)	43	38	33	28	18	8	0
		OUTDOOR UNIT CURRENT (A)	7.1	7.7	8.3	8.9	9.4	9.9	10.3
		COMPRESSOR CURRENT (A)	6.3	6.9	7.5	8.1	8.6	9.0	9.5
		INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	19	16	14
	800	LIQUID PRESSURE (PSIG)	277	323	369	414	462	509	556
		LIQUID TEMPERATURE (°F)	72	82	93	103	113	123	133
		LIQUID SUBCOOLING (°F)	19	19	18	16	15	12	10
		SUCTION PRESSURE (PSIG)	145	151	158	164	169	174	179
		SUCTION TEMPERATURE (°F)	98	96	94	92	86	81	75
		SUCTION SUPERHEAT (°F)	47	43	38	34	26	20	12
		OUTDOOR UNIT CURRENT (A)	7.2	7.8	8.4	9.1	9.6	10.0	10.5
		COMPRESSOR CURRENT (A)	6.4	7.0	7.6	8.3	8.7	9.2	9.7
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	17	16	16	15
	1000	LIQUID PRESSURE (PSIG)	280	327	375	422	467	511	556
		LIQUID TEMPERATURE (°F)	72	82	92	103	113	123	133
		LIQUID SUBCOOLING (°F)	19	20	20	18	16	13	10
		SUCTION PRESSURE (PSIG)	148	156	163	171	175	180	184
		SUCTION TEMPERATURE (°F)	104	102	101	100	97	94	90
		SUCTION SUPERHEAT (°F)	52	47	43	40	35	31	25
		OUTDOOR UNIT CURRENT (A)	7.2	7.9	8.6	9.2	9.7	10.2	10.7
		COMPRESSOR CURRENT (A)	6.4	7.1	7.8	8.4	8.9	9.4	9.9
		INDOOR COIL DB TEMP DROP (°F)	14	14	13	13	14	15	17

YHJR24S41S4 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	600	LIQUID PRESSURE (PSIG)	417	265	287	313	333	363
		LIQUID TEMPERATURE (°F)	96	45	55	62	67	78
		LIQUID SUBCOOLING (°F)	24	43	38	37	36	32
		SUCTION PRESSURE (PSIG)	129	58	71	91	102	129
		SUCTION TEMPERATURE (°F)	43	17	23	35	41	53
		SUCTION SUPERHEAT (°F)	-2	10	7	8	9	8
		OUTDOOR UNIT CURRENT (A)	7.6	5.8	6.4	6.8	7.2	7.9
		COMPRESSOR CURRENT (A)	7.6	4.9	5.5	5.9	6.3	7.0
		INDOOR COIL DB TEMP RISE (°F)	1	18	29	29	33	40
	800	LIQUID PRESSURE (PSIG)	323	253	273	293	308	334
		LIQUID TEMPERATURE (°F)	68	45	54	60	65	76
		LIQUID SUBCOOLING (°F)	33	40	36	35	33	28
		SUCTION PRESSURE (PSIG)	90	59	73	91	102	127
		SUCTION TEMPERATURE (°F)	28	17	26	34	41	52
		SUCTION SUPERHEAT (°F)	2	9	9	7	9	8
		OUTDOOR UNIT CURRENT (A)	6.6	5.8	6.3	6.7	7.0	7.5
		COMPRESSOR CURRENT (A)	6.1	4.9	5.4	5.8	6.1	6.7
		INDOOR COIL DB TEMP RISE (°F)	5	15	24	24	28	34
	1000	LIQUID PRESSURE (PSIG)	229	241	258	272	282	304
		LIQUID TEMPERATURE (°F)	40	45	52	58	63	73
		LIQUID SUBCOOLING (°F)	38	37	34	32	29	24
		SUCTION PRESSURE (PSIG)	51	59	75	90	101	125
		SUCTION TEMPERATURE (°F)	12	17	28	34	40	51
		SUCTION SUPERHEAT (°F)	10	9	10	8	8	8
		OUTDOOR UNIT CURRENT (A)	5.5	5.7	6.2	6.5	6.7	7.2
		COMPRESSOR CURRENT (A)	4.6	4.8	5.3	5.6	5.9	6.3
		INDOOR COIL DB TEMP RISE (°F)	10	12	19	19	22	27
70	600	LIQUID PRESSURE (PSIG)	367	299	327	352	372	402
		LIQUID TEMPERATURE (°F)	74	51	61	68	73	84
		LIQUID SUBCOOLING (°F)	36	45	41	39	38	33
		SUCTION PRESSURE (PSIG)	92	61	76	93	105	130
		SUCTION TEMPERATURE (°F)	29	18	27	37	42	54
		SUCTION SUPERHEAT (°F)	2	9	8	9	8	9
		OUTDOOR UNIT CURRENT (A)	6.7	5.9	6.6	7.1	7.5	8.2
		COMPRESSOR CURRENT (A)	6.2	5.0	5.7	6.2	6.6	7.3
		INDOOR COIL DB TEMP RISE (°F)	7	17	28	28	31	38
	800	LIQUID PRESSURE (PSIG)	315	287	311	331	346	372
		LIQUID TEMPERATURE (°F)	60	51	60	66	71	81
		LIQUID SUBCOOLING (°F)	40	42	39	37	35	30
		SUCTION PRESSURE (PSIG)	72	60	77	93	104	129
		SUCTION TEMPERATURE (°F)	21	18	27	37	42	53
		SUCTION SUPERHEAT (°F)	5	10	8	9	9	8
		OUTDOOR UNIT CURRENT (A)	6.1	5.9	6.5	7.0	4.3	7.9
		COMPRESSOR CURRENT (A)	5.4	4.9	5.7	6.1	6.4	7.0
		INDOOR COIL DB TEMP RISE (°F)	8	14	23	23	26	31
	1000	LIQUID PRESSURE (PSIG)	262	274	295	310	320	343
		LIQUID TEMPERATURE (°F)	46	50	58	65	69	78
		LIQUID SUBCOOLING (°F)	41	40	37	33	32	28
		SUCTION PRESSURE (PSIG)	52	60	77	92	104	127
		SUCTION TEMPERATURE (°F)	12	17	28	36	42	51
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	7
		OUTDOOR UNIT CURRENT (A)	5.6	5.8	6.5	6.8	7.1	7.6
		COMPRESSOR CURRENT (A)	4.7	4.9	5.6	5.9	6.2	6.7
		INDOOR COIL DB TEMP RISE (°F)	9	11	18	18	20	25

Continued on next page.

YHJR24S41S4 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	600	LIQUID PRESSURE (PSIG)	317	334	366	390	410	440
		LIQUID TEMPERATURE (°F)	52	57	67	74	78	89
		LIQUID SUBCOOLING (°F)	48	47	43	41	41	35
		SUCTION PRESSURE (PSIG)	55	63	81	95	108	132
		SUCTION TEMPERATURE (°F)	14	19	30	39	43	55
		SUCTION SUPERHEAT (°F)	9	9	9	10	8	9
		OUTDOOR UNIT CURRENT (A)	5.7	6.0	6.8	7.4	7.7	8.5
		COMPRESSOR CURRENT (A)	4.8	5.1	6.0	6.5	6.9	7.6
		INDOOR COIL DB TEMP RISE (°F)	13	15	26	26	29	35
	800	LIQUID PRESSURE (PSIG)	306	320	349	369	384	411
		LIQUID TEMPERATURE (°F)	51	56	66	72	77	86
		LIQUID SUBCOOLING (°F)	47	45	41	39	37	33
		SUCTION PRESSURE (PSIG)	54	62	80	95	107	131
		SUCTION TEMPERATURE (°F)	14	18	29	39	43	53
		SUCTION SUPERHEAT (°F)	10	8	8	10	8	8
		OUTDOOR UNIT CURRENT (A)	5.7	5.9	6.8	7.3	1.6	8.2
		COMPRESSOR CURRENT (A)	4.8	5.0	5.9	6.4	6.7	7.4
		INDOOR COIL DB TEMP RISE (°F)	10	12	21	21	24	29
	1000	LIQUID PRESSURE (PSIG)	296	307	332	347	358	381
		LIQUID TEMPERATURE (°F)	51	56	65	71	75	84
		LIQUID SUBCOOLING (°F)	44	42	38	35	34	29
		SUCTION PRESSURE (PSIG)	53	61	80	94	106	129
		SUCTION TEMPERATURE (°F)	13	18	28	38	43	52
		SUCTION SUPERHEAT (°F)	10	9	7	10	9	7
		OUTDOOR UNIT CURRENT (A)	5.6	5.9	6.7	7.1	7.4	8.0
		COMPRESSOR CURRENT (A)	4.8	5.0	5.8	6.3	6.6	7.1
		INDOOR COIL DB TEMP RISE (°F)	8	9	17	17	19	23

FOR USE WITH MODELS:**YHJR30S41S4****THJR30S41S4****RHP13R304S21**

YHJR30S41S4 SUPERHEAT CHARGING CHART												
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE											
	119	123	127	131	136	145	149	154	158	162	166	171
	TEMPERATURE (°F) AT SUCTION BASE VALVE											
65	43	48	54	58	63	74	78	..	..	..	..	..
70	41	46	51	56	61	72	76	..	..	..	..	..
75	39	44	49	54	59	70	75	80	..	..	..	..
80	..	42	47	52	57	68	73	78	..	..	..	..
85	..	..	45	50	55	65	71	76	81	..	..	..
90	..	..	44	48	53	63	69	74	79	..	..	..
95	..	..	..	47	51	61	66	71	77	83	..	..
100	..	..	..	..	49	59	64	69	74	80	..	..
105	..	..	..	..	48	56	61	66	71	77	83	..
110	..	..	..	..	..	55	59	64	69	74	80	..
115	..	..	..	..	..	53	57	61	66	71	77	84
120	..	..	..	..	..	52	55	59	63	68	74	80
125	..	..	..	..	..	..	54	57	61	66	71	77

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

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

YHJR30S41S4 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJR30S41S4	35	107	27.9	1.51	23.7	1.55	19.5	1.59	15.3	1.63	11.2	1.67	7.0	1.70	2.8	1.74
	40	119	30.1	1.51	26.0	1.56	22.0	1.62	17.9	1.67	13.9	1.72	9.8	1.77	5.7	1.82
	45	130	32.3	1.52	28.4	1.58	24.5	1.65	20.5	1.71	16.6	1.78	12.6	1.84	8.7	1.90
	50	143	34.6	1.52	30.7	1.60	26.9	1.68	23.1	1.75	19.3	1.83	15.4	1.91	11.6	1.99
	55	156	36.8	1.52	33.1	1.61	29.4	1.70	25.7	1.79	22.0	1.89	18.3	1.98	14.5	2.07

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJR30S41S4 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	800	LIQUID PRESSURE (PSIG)	269	311	353	395	442	490	537
		LIQUID TEMPERATURE (°F)	70	81	92	102	114	125	136
		LIQUID SUBCOOLING (°F)	19	18	16	14	10	7	4
		SUCTION PRESSURE (PSIG)	119	124	128	133	137	142	146
		SUCTION TEMPERATURE (°F)	41	43	45	47	49	51	53
		SUCTION SUPERHEAT (°F)	1	1	1	1	1	1	2
		OUTDOOR UNIT CURRENT (A)	8.3	8.8	9.4	10.0	10.5	11.1	11.6
		COMPRESSOR CURRENT (A)	7.4	7.9	8.5	9.1	9.6	10.2	10.7
		INDOOR COIL DB TEMP DROP (°F)	29	27	26	24	23	22	21
	1000	LIQUID PRESSURE (PSIG)	274	316	357	398	446	493	541
		LIQUID TEMPERATURE (°F)	70	81	91	102	113	125	136
		LIQUID SUBCOOLING (°F)	20	19	17	14	12	8	4
		SUCTION PRESSURE (PSIG)	126	129	133	137	141	145	149
		SUCTION TEMPERATURE (°F)	51	51	51	52	52	52	53
		SUCTION SUPERHEAT (°F)	8	6	5	4	3	1	1
		OUTDOOR UNIT CURRENT (A)	8.4	9.0	9.6	10.2	10.7	11.3	11.9
		COMPRESSOR CURRENT (A)	7.5	8.1	8.7	9.3	9.8	10.4	11.0
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19
	1200	LIQUID PRESSURE (PSIG)	280	321	361	402	449	497	544
		LIQUID TEMPERATURE (°F)	70	81	91	102	113	124	135
		LIQUID SUBCOOLING (°F)	21	20	18	15	13	10	6
		SUCTION PRESSURE (PSIG)	132	135	138	141	145	149	152
		SUCTION TEMPERATURE (°F)	61	59	58	56	55	54	52
		SUCTION SUPERHEAT (°F)	15	12	10	7	4	2	-2
		OUTDOOR UNIT CURRENT (A)	8.5	9.1	9.7	10.3	11.0	11.6	12.2
		COMPRESSOR CURRENT (A)	7.6	8.2	8.8	9.4	10.1	10.7	11.3
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	19	18	17
80/62	800	LIQUID PRESSURE (PSIG)	269	311	353	395	442	490	537
		LIQUID TEMPERATURE (°F)	70	81	92	102	114	125	136
		LIQUID SUBCOOLING (°F)	19	18	16	14	10	7	4
		SUCTION PRESSURE (PSIG)	119	124	128	133	137	142	146
		SUCTION TEMPERATURE (°F)	41	43	45	47	49	51	53
		SUCTION SUPERHEAT (°F)	1	1	1	1	1	1	2
		OUTDOOR UNIT CURRENT (A)	8.3	8.8	9.4	10.0	10.5	11.1	11.6
		COMPRESSOR CURRENT (A)	7.4	7.9	8.5	9.1	9.6	10.2	10.7
		INDOOR COIL DB TEMP DROP (°F)	33	32	30	29	28	26	25
	1000	LIQUID PRESSURE (PSIG)	274	315	357	399	448	498	547
		LIQUID TEMPERATURE (°F)	70	81	91	102	113	124	135
		LIQUID SUBCOOLING (°F)	20	19	17	15	12	10	6
		SUCTION PRESSURE (PSIG)	125	129	133	137	143	149	155
		SUCTION TEMPERATURE (°F)	51	51	51	52	54	57	59
		SUCTION SUPERHEAT (°F)	8	6	5	4	4	5	4
		OUTDOOR UNIT CURRENT (A)	8.4	9.0	9.6	10.2	10.8	11.5	12.2
		COMPRESSOR CURRENT (A)	7.5	8.1	8.7	9.3	9.9	10.6	11.3
		INDOOR COIL DB TEMP DROP (°F)	30	29	27	26	25	23	22
	1200	LIQUID PRESSURE (PSIG)	279	320	361	402	454	506	558
		LIQUID TEMPERATURE (°F)	70	81	91	102	112	123	133
		LIQUID SUBCOOLING (°F)	21	20	18	15	14	12	10
		SUCTION PRESSURE (PSIG)	131	134	138	141	149	156	163
		SUCTION TEMPERATURE (°F)	60	59	58	56	59	62	65
		SUCTION SUPERHEAT (°F)	15	12	10	7	7	7	7
		OUTDOOR UNIT CURRENT (A)	8.5	9.1	9.7	10.3	11.1	11.9	12.7
		COMPRESSOR CURRENT (A)	7.6	8.2	8.8	9.4	10.2	11.0	11.8
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	23	22	20	19

Continued on next page.

YHJR30S41S4 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	800	LIQUID PRESSURE (PSIG)	280	322	363	405	454	503	552
		LIQUID TEMPERATURE (°F)	70	81	91	102	113	124	135
		LIQUID SUBCOOLING (°F)	21	20	19	16	13	10	7
		SUCTION PRESSURE (PSIG)	132	136	140	144	149	154	160
		SUCTION TEMPERATURE (°F)	59	59	59	60	61	62	63
		SUCTION SUPERHEAT (°F)	13	12	10	9	9	8	7
		OUTDOOR UNIT CURRENT (A)	8.5	9.2	9.8	10.4	11.1	11.8	12.5
		COMPRESSOR CURRENT (A)	7.6	8.3	8.9	9.5	10.2	10.9	11.6
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	23	22	20
	1000	LIQUID PRESSURE (PSIG)	284	327	369	411	458	506	554
		LIQUID TEMPERATURE (°F)	70	80	91	101	112	123	134
		LIQUID SUBCOOLING (°F)	22	22	20	18	15	12	8
		SUCTION PRESSURE (PSIG)	137	141	145	149	153	158	162
		SUCTION TEMPERATURE (°F)	65	66	66	66	67	67	68
		SUCTION SUPERHEAT (°F)	17	17	15	14	13	11	11
		OUTDOOR UNIT CURRENT (A)	8.6	9.3	9.9	10.6	11.3	11.9	12.6
		COMPRESSOR CURRENT (A)	7.7	8.4	9.0	9.7	10.4	11.0	11.7
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19
	1200	LIQUID PRESSURE (PSIG)	289	331	374	417	463	509	556
		LIQUID TEMPERATURE (°F)	69	80	90	101	112	123	133
		LIQUID SUBCOOLING (°F)	25	23	22	19	16	12	10
		SUCTION PRESSURE (PSIG)	142	145	149	153	157	161	165
		SUCTION TEMPERATURE (°F)	72	72	72	72	72	73	73
		SUCTION SUPERHEAT (°F)	22	21	20	18	17	16	15
		OUTDOOR UNIT CURRENT (A)	8.7	9.4	10.1	10.8	11.4	12.1	12.7
		COMPRESSOR CURRENT (A)	7.8	8.5	9.2	9.9	10.5	11.2	11.8
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	17
80/72	800	LIQUID PRESSURE (PSIG)	292	335	377	420	469	518	567
		LIQUID TEMPERATURE (°F)	69	80	90	101	111	122	133
		LIQUID SUBCOOLING (°F)	25	24	22	20	18	15	11
		SUCTION PRESSURE (PSIG)	142	146	151	155	160	165	170
		SUCTION TEMPERATURE (°F)	68	69	71	73	74	75	76
		SUCTION SUPERHEAT (°F)	18	18	18	18	18	17	16
		OUTDOOR UNIT CURRENT (A)	8.7	9.4	10.1	10.8	11.5	12.2	12.9
		COMPRESSOR CURRENT (A)	7.8	8.5	9.2	9.9	10.6	11.3	12.0
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	16
	1000	LIQUID PRESSURE (PSIG)	296	339	382	425	474	523	571
		LIQUID TEMPERATURE (°F)	69	80	90	100	111	121	132
		LIQUID SUBCOOLING (°F)	26	25	23	21	19	17	13
		SUCTION PRESSURE (PSIG)	146	151	155	159	164	168	173
		SUCTION TEMPERATURE (°F)	74	75	77	78	79	80	81
		SUCTION SUPERHEAT (°F)	23	22	22	22	21	21	20
		OUTDOOR UNIT CURRENT (A)	8.8	9.5	10.2	10.9	11.6	12.3	13.1
		COMPRESSOR CURRENT (A)	7.9	8.6	9.3	10.0	10.7	11.4	12.1
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	18	17	15	14
	1200	LIQUID PRESSURE (PSIG)	300	343	386	430	478	527	576
		LIQUID TEMPERATURE (°F)	70	80	90	100	111	121	131
		LIQUID SUBCOOLING (°F)	26	26	24	22	19	17	14
		SUCTION PRESSURE (PSIG)	151	155	159	163	167	172	177
		SUCTION TEMPERATURE (°F)	80	81	82	83	84	85	85
		SUCTION SUPERHEAT (°F)	27	26	26	25	25	24	23
		OUTDOOR UNIT CURRENT (A)	8.8	9.6	10.3	11.0	11.7	12.4	13.2
		COMPRESSOR CURRENT (A)	7.9	8.7	9.4	10.1	10.8	11.5	12.2
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	15	14	13	13

YHJR30S41S4 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	800	LIQUID PRESSURE (PSIG)	261	265	300	304	318	362
		LIQUID TEMPERATURE (°F)	49	53	59	62	69	78
		LIQUID SUBCOOLING (°F)	38	35	37	35	31	31
		SUCTION PRESSURE (PSIG)	50	56	73	81	97	120
		SUCTION TEMPERATURE (°F)	13	16	24	31	39	52
		SUCTION SUPERHEAT (°F)	12	10	7	10	9	11
		OUTDOOR UNIT CURRENT (A)	6.4	6.8	7.7	8.2	8.8	9.5
		COMPRESSOR CURRENT (A)	5.3	5.8	6.6	7.1	7.8	8.5
		INDOOR COIL DB TEMP RISE (°F)	14	17	25	25	30	36
	1000	LIQUID PRESSURE (PSIG)	252	256	283	282	297	340
		LIQUID TEMPERATURE (°F)	48	52	57	61	66	75
		LIQUID SUBCOOLING (°F)	36	33	35	31	29	30
		SUCTION PRESSURE (PSIG)	49	55	70	81	95	119
		SUCTION TEMPERATURE (°F)	13	16	26	33	41	53
		SUCTION SUPERHEAT (°F)	13	11	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	6.4	6.8	7.5	8.0	8.5	9.1
		COMPRESSOR CURRENT (A)	5.3	5.7	6.4	7.0	7.5	8.1
		INDOOR COIL DB TEMP RISE (°F)	12	14	21	21	25	31
	1200	LIQUID PRESSURE (PSIG)	243	247	266	261	275	318
		LIQUID TEMPERATURE (°F)	48	51	55	60	64	72
		LIQUID SUBCOOLING (°F)	34	32	33	27	26	28
		SUCTION PRESSURE (PSIG)	49	55	68	81	94	117
		SUCTION TEMPERATURE (°F)	12	16	28	36	42	55
		SUCTION SUPERHEAT (°F)	12	11	14	15	14	16
		OUTDOOR UNIT CURRENT (A)	6.3	6.7	7.3	7.8	8.2	8.8
		COMPRESSOR CURRENT (A)	5.3	5.6	6.3	6.8	7.2	7.7
		INDOOR COIL DB TEMP RISE (°F)	10	11	18	18	21	26
70	800	LIQUID PRESSURE (PSIG)	294	295	334	348	354	393
		LIQUID TEMPERATURE (°F)	55	59	65	70	76	85
		LIQUID SUBCOOLING (°F)	40	36	39	37	32	31
		SUCTION PRESSURE (PSIG)	51	54	73	85	100	122
		SUCTION TEMPERATURE (°F)	14	15	27	35	41	52
		SUCTION SUPERHEAT (°F)	12	11	10	11	10	10
		OUTDOOR UNIT CURRENT (A)	6.4	6.7	7.9	8.6	9.2	10.0
		COMPRESSOR CURRENT (A)	5.4	5.6	6.8	7.5	8.1	9.0
		INDOOR COIL DB TEMP RISE (°F)	13	14	24	24	28	35
	1000	LIQUID PRESSURE (PSIG)	285	289	318	329	334	370
		LIQUID TEMPERATURE (°F)	55	59	64	69	74	82
		LIQUID SUBCOOLING (°F)	38	35	36	34	30	29
		SUCTION PRESSURE (PSIG)	50	55	71	85	98	121
		SUCTION TEMPERATURE (°F)	14	17	28	36	42	53
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	6.4	6.8	7.7	8.4	5.3	9.7
		COMPRESSOR CURRENT (A)	5.4	5.7	6.7	7.4	7.9	8.7
		INDOOR COIL DB TEMP RISE (°F)	11	13	21	21	24	30
	1200	LIQUID PRESSURE (PSIG)	276	284	301	310	315	347
		LIQUID TEMPERATURE (°F)	55	58	63	68	72	79
		LIQUID SUBCOOLING (°F)	36	34	33	30	28	27
		SUCTION PRESSURE (PSIG)	50	57	69	84	97	121
		SUCTION TEMPERATURE (°F)	13	19	28	37	43	54
		SUCTION SUPERHEAT (°F)	12	13	14	14	13	13
		OUTDOOR UNIT CURRENT (A)	6.4	6.9	7.5	8.2	8.7	9.4
		COMPRESSOR CURRENT (A)	5.4	5.8	6.5	7.2	7.7	8.4
		INDOOR COIL DB TEMP RISE (°F)	9	11	17	17	20	25

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YHJR30S41S4 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	800	LIQUID PRESSURE (PSIG)	327	324	368	392	390	423
		LIQUID TEMPERATURE (°F)	62	65	72	78	82	92
		LIQUID SUBCOOLING (°F)	40	37	39	37	33	29
		SUCTION PRESSURE (PSIG)	52	52	74	90	102	125
		SUCTION TEMPERATURE (°F)	14	14	30	39	44	53
		SUCTION SUPERHEAT (°F)	11	11	13	13	12	10
		OUTDOOR UNIT CURRENT (A)	6.5	6.6	8.1	9.0	9.5	10.6
		COMPRESSOR CURRENT (A)	5.5	5.5	7.0	8.0	8.5	9.6
		INDOOR COIL DB TEMP RISE (°F)	11	12	23	23	27	33
	1000	LIQUID PRESSURE (PSIG)	319	323	352	376	372	400
		LIQUID TEMPERATURE (°F)	62	66	71	77	81	89
		LIQUID SUBCOOLING (°F)	38	35	36	35	30	28
		SUCTION PRESSURE (PSIG)	51	55	72	89	101	124
		SUCTION TEMPERATURE (°F)	14	17	29	38	44	53
		SUCTION SUPERHEAT (°F)	12	12	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	6.5	6.8	7.9	8.8	9.4	10.3
		COMPRESSOR CURRENT (A)	5.4	5.8	6.9	7.8	8.3	9.3
		INDOOR COIL DB TEMP RISE (°F)	10	11	20	20	23	28
	1200	LIQUID PRESSURE (PSIG)	310	322	336	360	354	377
		LIQUID TEMPERATURE (°F)	62	66	70	76	79	86
		LIQUID SUBCOOLING (°F)	36	35	34	33	29	26
		SUCTION PRESSURE (PSIG)	51	59	71	88	100	124
		SUCTION TEMPERATURE (°F)	15	21	29	38	44	53
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	11
		OUTDOOR UNIT CURRENT (A)	6.5	7.1	7.8	8.7	9.2	10.0
		COMPRESSOR CURRENT (A)	5.4	6.0	6.7	7.7	8.2	9.0
		INDOOR COIL DB TEMP RISE (°F)	8	10	17	17	19	24

FOR USE WITH MODELS:

YHJR36S41S4
THJR36S41S4
RHP13R364S21

YHJR36S41S4 SUPERHEAT CHARGING CHART												
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE											
	119	123	127	131	136	140	144	149	153	157	161	166
	TEMPERATURE (°F) AT SUCTION BASE VALVE											
65	49	52	55	59	64	70	76	..	..	..	..	..
70	49	51	54	58	62	67	73	79	..	..	..	..
75	49	51	54	57	61	65	70	76	..	..	..	..
80	..	51	54	57	60	64	68	73	79	..	..	..
85	..	52	54	56	58	62	65	70	75	..	..	..
90	..	..	54	56	58	61	65	68	73	78	..	..
95	..	..	..	56	58	60	62	66	70	75	..	..
100	..	..	..	..	58	60	62	65	69	72	77	..
105	..	..	..	..	59	60	62	64	67	70	74	..
110	..	..	..	..	..	60	62	64	67	69	72	75
115	..	..	..	..	..	60	63	65	67	69	71	72
120	..	..	..	..	..	..	62	65	67	69	70	71
125	..	..	..	..	..	..	..	65	67	69	70	71

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

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

YHJR36S41S4 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJR36S41S4	35	107	30.1	1.89	26.5	1.94	22.9	1.98	19.3	2.02	15.7	2.07	12.1	2.11	8.4	2.15
	40	119	33.5	1.91	29.8	1.98	26.2	2.06	22.5	2.14	18.9	2.21	15.2	2.29	11.5	2.36
	45	130	36.9	1.92	33.1	2.03	29.4	2.14	25.7	2.25	22.0	2.36	18.3	2.47	14.6	2.57
	50	143	40.2	1.94	36.5	2.08	32.7	2.22	29.0	2.36	25.2	2.50	21.5	2.64	17.7	2.79
	55	156	43.6	1.95	39.8	2.13	36.0	2.30	32.2	2.47	28.4	2.65	24.6	2.82	20.8	3.00

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJR36S41S4 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1000	LIQUID PRESSURE (PSIG)	244	286	329	371	420	469	517
		LIQUID TEMPERATURE (°F)	70	81	92	103	113	124	135
		LIQUID SUBCOOLING (°F)	12	12	11	8	8	5	2
		SUCTION PRESSURE (PSIG)	118	122	126	130	135	140	145
		SUCTION TEMPERATURE (°F)	49	51	53	55	58	60	63
		SUCTION SUPERHEAT (°F)	9	9	10	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	10.4	10.9	11.4	12.0	12.6	13.2	13.9
		COMPRESSOR CURRENT (A)	9.0	9.5	10.1	10.6	11.2	11.8	12.5
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	20	19	18	16
	1200	LIQUID PRESSURE (PSIG)	248	290	332	374	423	471	519
		LIQUID TEMPERATURE (°F)	70	81	92	103	113	124	135
		LIQUID SUBCOOLING (°F)	13	13	11	9	8	5	2
		SUCTION PRESSURE (PSIG)	121	125	129	133	138	142	147
		SUCTION TEMPERATURE (°F)	51	53	55	57	59	62	64
		SUCTION SUPERHEAT (°F)	10	10	10	11	11	12	12
		OUTDOOR UNIT CURRENT (A)	10.3	10.9	11.5	12.1	12.7	13.4	14.0
		COMPRESSOR CURRENT (A)	8.9	9.5	10.1	10.7	11.3	12.0	12.6
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	18	16	15
	1400	LIQUID PRESSURE (PSIG)	251	293	335	377	425	473	522
		LIQUID TEMPERATURE (°F)	69	80	91	103	113	124	135
		LIQUID SUBCOOLING (°F)	15	15	13	9	8	6	2
		SUCTION PRESSURE (PSIG)	125	129	133	136	141	145	149
		SUCTION TEMPERATURE (°F)	53	55	57	59	61	63	65
		SUCTION SUPERHEAT (°F)	10	10	11	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	10.1	10.8	11.5	12.2	12.8	13.5	14.1
		COMPRESSOR CURRENT (A)	8.8	9.4	10.1	10.8	11.5	12.1	12.7
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	16	15	14
80/62	1000	LIQUID PRESSURE (PSIG)	244	286	329	371	422	472	523
		LIQUID TEMPERATURE (°F)	70	81	92	103	113	124	135
		LIQUID SUBCOOLING (°F)	12	12	11	8	8	5	3
		SUCTION PRESSURE (PSIG)	117	122	126	130	137	144	151
		SUCTION TEMPERATURE (°F)	49	51	53	55	59	62	66
		SUCTION SUPERHEAT (°F)	10	9	10	10	11	11	13
		OUTDOOR UNIT CURRENT (A)	10.4	10.9	11.4	11.9	12.7	13.4	14.2
		COMPRESSOR CURRENT (A)	9.0	9.5	10.1	10.6	11.3	12.0	12.8
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	24	23	21	19
	1200	LIQUID PRESSURE (PSIG)	248	290	332	374	425	476	527
		LIQUID TEMPERATURE (°F)	70	81	92	103	113	124	134
		LIQUID SUBCOOLING (°F)	13	13	11	9	8	6	4
		SUCTION PRESSURE (PSIG)	121	125	129	133	141	149	157
		SUCTION TEMPERATURE (°F)	51	53	55	57	61	65	69
		SUCTION SUPERHEAT (°F)	10	10	10	11	12	13	14
		OUTDOOR UNIT CURRENT (A)	10.3	10.9	11.5	12.1	12.9	13.7	14.5
		COMPRESSOR CURRENT (A)	8.9	9.5	10.1	10.7	11.5	12.3	13.1
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	21	19	17
	1400	LIQUID PRESSURE (PSIG)	251	293	335	377	428	480	531
		LIQUID TEMPERATURE (°F)	69	80	92	103	113	124	134
		LIQUID SUBCOOLING (°F)	15	15	12	9	9	7	5
		SUCTION PRESSURE (PSIG)	125	129	132	136	145	154	163
		SUCTION TEMPERATURE (°F)	53	55	57	58	63	67	71
		SUCTION SUPERHEAT (°F)	10	10	11	11	12	13	13
		OUTDOOR UNIT CURRENT (A)	10.1	10.8	11.5	12.2	13.1	14.0	14.8
		COMPRESSOR CURRENT (A)	8.8	9.4	10.1	10.8	11.7	12.6	13.5
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	22	19	17	14

Continued on next page.

YHJR36S41S4 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1000	LIQUID PRESSURE (PSIG)	256	298	340	382	431	479	527
		LIQUID TEMPERATURE (°F)	71	81	91	101	112	123	135
		LIQUID SUBCOOLING (°F)	14	15	14	12	10	8	3
		SUCTION PRESSURE (PSIG)	129	133	137	141	146	151	156
		SUCTION TEMPERATURE (°F)	55	57	59	61	63	66	68
		SUCTION SUPERHEAT (°F)	10	11	11	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	10.3	11.0	11.7	12.4	13.1	13.8	14.5
		COMPRESSOR CURRENT (A)	8.9	9.6	10.3	11.0	11.7	12.4	13.1
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	19	18	17
	1200	LIQUID PRESSURE (PSIG)	257	299	341	384	432	480	528
		LIQUID TEMPERATURE (°F)	70	81	91	101	112	124	135
		LIQUID SUBCOOLING (°F)	16	15	14	13	11	7	3
		SUCTION PRESSURE (PSIG)	133	137	141	145	149	154	158
		SUCTION TEMPERATURE (°F)	62	62	62	63	65	67	69
		SUCTION SUPERHEAT (°F)	16	14	13	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	10.3	11.0	11.8	12.5	13.2	13.9	14.7
		COMPRESSOR CURRENT (A)	8.9	9.7	10.4	11.1	11.9	12.6	13.3
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	18	17	16
	1400	LIQUID PRESSURE (PSIG)	258	300	343	385	433	481	528
		LIQUID TEMPERATURE (°F)	70	80	91	101	112	124	135
		LIQUID SUBCOOLING (°F)	16	16	15	13	11	7	3
		SUCTION PRESSURE (PSIG)	138	141	145	148	152	156	160
		SUCTION TEMPERATURE (°F)	69	68	66	64	66	68	70
		SUCTION SUPERHEAT (°F)	21	19	15	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	10.3	11.1	11.9	12.7	13.4	14.1	14.8
		COMPRESSOR CURRENT (A)	8.9	9.7	10.5	11.3	12.0	12.7	13.4
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	16	15	14
80/72	1000	LIQUID PRESSURE (PSIG)	263	305	347	389	437	485	533
		LIQUID TEMPERATURE (°F)	69	80	90	101	112	123	135
		LIQUID SUBCOOLING (°F)	18	17	16	14	12	9	4
		SUCTION PRESSURE (PSIG)	141	145	149	153	158	163	168
		SUCTION TEMPERATURE (°F)	71	69	68	67	69	71	74
		SUCTION SUPERHEAT (°F)	22	18	16	13	13	13	15
		OUTDOOR UNIT CURRENT (A)	10.5	11.3	12.1	12.9	13.7	14.5	15.4
		COMPRESSOR CURRENT (A)	9.1	9.9	10.7	11.5	12.3	13.2	14.0
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	16	14	13
	1200	LIQUID PRESSURE (PSIG)	265	307	349	391	440	488	536
		LIQUID TEMPERATURE (°F)	69	79	90	101	112	122	133
		LIQUID SUBCOOLING (°F)	19	19	17	14	12	10	7
		SUCTION PRESSURE (PSIG)	144	148	153	157	161	166	170
		SUCTION TEMPERATURE (°F)	76	75	75	74	73	72	72
		SUCTION SUPERHEAT (°F)	25	23	21	19	16	13	12
		OUTDOOR UNIT CURRENT (A)	10.5	11.3	12.1	13.0	13.8	14.7	15.6
		COMPRESSOR CURRENT (A)	9.1	9.9	10.8	11.6	12.5	13.3	14.2
		INDOOR COIL DB TEMP DROP (°F)	18	17	16	15	14	13	12
	1400	LIQUID PRESSURE (PSIG)	268	310	352	394	442	491	540
		LIQUID TEMPERATURE (°F)	68	79	90	101	111	121	132
		LIQUID SUBCOOLING (°F)	21	19	17	15	13	12	8
		SUCTION PRESSURE (PSIG)	148	152	157	161	165	168	172
		SUCTION TEMPERATURE (°F)	82	81	81	81	77	74	70
		SUCTION SUPERHEAT (°F)	30	27	26	24	19	15	9
		OUTDOOR UNIT CURRENT (A)	10.5	11.4	12.2	13.1	14.0	14.9	15.7
		COMPRESSOR CURRENT (A)	9.1	10.0	10.9	11.7	12.6	13.5	14.4
		INDOOR COIL DB TEMP DROP (°F)	16	15	14	13	13	12	11

YHJR36S41S4 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1000	LIQUID PRESSURE (PSIG)	264	269	302	315	308	356
		LIQUID TEMPERATURE (°F)	49	51	57	65	70	80
		LIQUID SUBCOOLING (°F)	39	38	40	35	28	28
		SUCTION PRESSURE (PSIG)	48	53	66	86	98	123
		SUCTION TEMPERATURE (°F)	15	16	14	36	42	56
		SUCTION SUPERHEAT (°F)	15	13	2	12	12	14
		OUTDOOR UNIT CURRENT (A)	8.3	8.5	9.4	10.2	10.6	11.6
		COMPRESSOR CURRENT (A)	6.7	7.0	8.0	8.7	9.0	10.1
		INDOOR COIL DB TEMP RISE (°F)	14	16	26	26	29	35
	1200	LIQUID PRESSURE (PSIG)	256	259	287	302	302	339
		LIQUID TEMPERATURE (°F)	49	51	58	63	68	76
		LIQUID SUBCOOLING (°F)	36	35	35	34	29	29
		SUCTION PRESSURE (PSIG)	48	52	69	85	98	121
		SUCTION TEMPERATURE (°F)	15	16	21	36	42	57
		SUCTION SUPERHEAT (°F)	15	13	7	12	12	16
		OUTDOOR UNIT CURRENT (A)	8.2	8.4	9.4	10.0	10.4	11.3
		COMPRESSOR CURRENT (A)	6.6	6.9	7.9	8.4	8.8	9.8
		INDOOR COIL DB TEMP RISE (°F)	12	13	22	22	25	31
	1400	LIQUID PRESSURE (PSIG)	249	249	272	288	296	322
		LIQUID TEMPERATURE (°F)	49	51	58	61	67	73
		LIQUID SUBCOOLING (°F)	35	33	32	32	28	28
		SUCTION PRESSURE (PSIG)	48	51	72	84	97	119
		SUCTION TEMPERATURE (°F)	15	15	28	37	42	59
		SUCTION SUPERHEAT (°F)	15	13	12	14	12	19
		OUTDOOR UNIT CURRENT (A)	8.2	8.3	9.4	9.8	10.2	11.0
		COMPRESSOR CURRENT (A)	6.6	6.7	7.8	8.2	8.6	9.5
		INDOOR COIL DB TEMP RISE (°F)	10	11	19	19	22	26
70	1000	LIQUID PRESSURE (PSIG)	298	300	338	354	358	394
		LIQUID TEMPERATURE (°F)	55	57	65	72	77	87
		LIQUID SUBCOOLING (°F)	41	39	40	36	32	29
		SUCTION PRESSURE (PSIG)	49	52	70	88	101	125
		SUCTION TEMPERATURE (°F)	15	15	23	37	43	55
		SUCTION SUPERHEAT (°F)	15	12	8	12	11	12
		OUTDOOR UNIT CURRENT (A)	8.2	8.5	9.9	10.7	11.2	12.2
		COMPRESSOR CURRENT (A)	6.6	6.9	8.4	9.2	9.6	10.7
		INDOOR COIL DB TEMP RISE (°F)	12	13	24	24	27	34
	1200	LIQUID PRESSURE (PSIG)	290	294	324	340	346	377
		LIQUID TEMPERATURE (°F)	55	58	65	71	75	84
		LIQUID SUBCOOLING (°F)	39	37	37	34	31	28
		SUCTION PRESSURE (PSIG)	49	54	72	88	100	123
		SUCTION TEMPERATURE (°F)	15	17	26	37	43	56
		SUCTION SUPERHEAT (°F)	15	13	10	12	12	14
		OUTDOOR UNIT CURRENT (A)	8.2	8.6	9.8	10.5	6.4	11.9
		COMPRESSOR CURRENT (A)	6.6	7.0	8.3	9.0	9.4	10.4
		INDOOR COIL DB TEMP RISE (°F)	11	12	21	21	24	29
	1400	LIQUID PRESSURE (PSIG)	282	288	311	327	335	359
		LIQUID TEMPERATURE (°F)	55	58	65	69	73	81
		LIQUID SUBCOOLING (°F)	37	35	34	33	31	28
		SUCTION PRESSURE (PSIG)	49	55	73	87	100	122
		SUCTION TEMPERATURE (°F)	15	18	29	37	44	56
		SUCTION SUPERHEAT (°F)	15	13	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	8.3	8.7	9.8	10.4	10.7	11.6
		COMPRESSOR CURRENT (A)	6.7	7.1	8.2	8.8	9.2	10.0
		INDOOR COIL DB TEMP RISE (°F)	9	11	18	18	20	25

Continued on next page.

YHJR36S41S4 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1000	LIQUID PRESSURE (PSIG)	331	330	374	394	407	433
		LIQUID TEMPERATURE (°F)	62	63	73	79	84	94
		LIQUID SUBCOOLING (°F)	41	40	39	37	34	29
		SUCTION PRESSURE (PSIG)	50	52	75	90	103	127
		SUCTION TEMPERATURE (°F)	16	14	31	38	45	54
		SUCTION SUPERHEAT (°F)	15	11	13	12	12	10
		OUTDOOR UNIT CURRENT (A)	8.1	8.5	10.3	11.2	11.7	12.8
		COMPRESSOR CURRENT (A)	6.5	6.8	8.7	9.7	10.2	11.3
		INDOOR COIL DB TEMP RISE (°F)	11	11	23	23	26	32
	1200	LIQUID PRESSURE (PSIG)	324	329	362	379	391	414
		LIQUID TEMPERATURE (°F)	62	64	72	78	82	91
		LIQUID SUBCOOLING (°F)	40	39	37	35	33	28
		SUCTION PRESSURE (PSIG)	50	55	74	90	103	125
		SUCTION TEMPERATURE (°F)	16	18	31	38	45	54
		SUCTION SUPERHEAT (°F)	15	13	14	12	12	11
		OUTDOOR UNIT CURRENT (A)	8.2	8.8	10.3	11.1	2.5	12.5
		COMPRESSOR CURRENT (A)	6.6	7.1	8.7	9.5	10.0	11.0
		INDOOR COIL DB TEMP RISE (°F)	9	11	20	20	23	28
	1400	LIQUID PRESSURE (PSIG)	316	327	350	365	375	396
		LIQUID TEMPERATURE (°F)	62	66	72	77	80	89
		LIQUID SUBCOOLING (°F)	38	36	35	33	32	27
		SUCTION PRESSURE (PSIG)	50	59	74	90	103	124
		SUCTION TEMPERATURE (°F)	16	21	30	38	45	54
		SUCTION SUPERHEAT (°F)	15	13	13	12	12	12
		OUTDOOR UNIT CURRENT (A)	8.3	9.1	10.2	10.9	11.3	12.1
		COMPRESSOR CURRENT (A)	6.7	7.5	8.6	9.4	9.8	10.6
		INDOOR COIL DB TEMP RISE (°F)	8	10	17	17	19	24

FOR USE WITH MODELS:**YHJR42S41S4****THJR42S41S4****RHP13R424S21**

YHJD42S41S4 SUPERHEAT CHARGING CHART												
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE											
	124	129	133	137	141	146	150	154	159	163	167	171
	TEMPERATURE (°F) AT SUCTION BASE VALVE											
65	51	54	58	62	66	71	76	82	..	..	..	..
70	51	54	57	61	64	69	74	79	84	..	..	..
75	51	53	56	59	63	67	71	76	81	..	..	..
80	..	53	56	59	62	66	69	74	78	..	..	..
85	..	..	56	58	60	63	67	71	75	80	..	..
90	..	..	..	58	60	63	66	69	74	79	..	..
95	..	..	..	58	60	62	64	67	71	75	79	..
100	..	..	..	..	60	62	64	67	70	73	77	..
105	..	..	..	..	..	62	64	66	69	71	74	77
110	..	..	..	..	..	62	64	66	69	71	73	76
115	..	..	..	..	..	..	64	66	68	71	72	74
120	..	..	..	..	..	..	..	66	68	71	72	74
125	..	..	..	..	..	..	..	..	68	71	72	74

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

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

YHJD42S41S4 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJR42S41S4	35	107	38.8	2.39	33.5	2.46	28.2	2.53	22.8	2.60	17.5	2.67	12.1	2.74	6.8	2.81
	40	119	43.8	2.42	38.6	2.53	33.3	2.63	28.1	2.74	22.8	2.85	17.6	2.95	12.3	3.06
	45	130	48.8	2.45	43.7	2.59	38.5	2.73	33.3	2.88	28.2	3.02	23.0	3.16	17.9	3.31
	50	143	53.8	2.48	48.7	2.66	43.7	2.84	38.6	3.02	33.5	3.19	28.5	3.37	23.4	3.55
	55	156	58.8	2.50	53.8	2.72	48.8	2.94	43.8	3.15	38.9	3.37	33.9	3.58	28.9	3.80

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJD42S41S4 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1200	LIQUID PRESSURE (PSIG)	237	275	314	352	398	444	489
		LIQUID TEMPERATURE (°F)	69	80	90	101	112	123	135
		LIQUID SUBCOOLING (°F)	11	10	9	6	4	2	-3
		SUCTION PRESSURE (PSIG)	121	125	128	132	137	142	147
		SUCTION TEMPERATURE (°F)	43	45	46	48	50	52	54
		SUCTION SUPERHEAT (°F)	2	2	2	2	2	2	2
		OUTDOOR UNIT CURRENT (A)	12.8	13.6	14.4	15.3	16.0	16.7	17.5
		COMPRESSOR CURRENT (A)	11.5	12.4	13.2	14.1	14.8	15.5	16.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	20	19	18
	1400	LIQUID PRESSURE (PSIG)	240	279	318	357	402	446	491
		LIQUID TEMPERATURE (°F)	69	80	91	101	112	124	135
		LIQUID SUBCOOLING (°F)	12	11	9	7	5	1	-3
		SUCTION PRESSURE (PSIG)	124	128	131	135	139	144	148
		SUCTION TEMPERATURE (°F)	47	48	49	49	51	53	55
		SUCTION SUPERHEAT (°F)	5	4	4	2	2	2	3
		OUTDOOR UNIT CURRENT (A)	12.8	13.7	14.6	15.5	16.2	16.9	17.7
		COMPRESSOR CURRENT (A)	11.5	12.5	13.4	14.3	15.0	15.7	16.5
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	17
	1600	LIQUID PRESSURE (PSIG)	244	283	323	362	406	449	492
		LIQUID TEMPERATURE (°F)	70	80	91	101	112	124	135
		LIQUID SUBCOOLING (°F)	12	12	10	8	6	2	-2
		SUCTION PRESSURE (PSIG)	128	131	134	138	142	146	150
		SUCTION TEMPERATURE (°F)	51	51	51	51	52	54	56
		SUCTION SUPERHEAT (°F)	7	6	4	3	2	3	3
		OUTDOOR UNIT CURRENT (A)	12.8	13.7	14.7	15.7	16.4	17.2	17.9
		COMPRESSOR CURRENT (A)	11.5	12.5	13.5	14.5	15.2	16.0	16.7
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	18	17	16
80/62	1200	LIQUID PRESSURE (PSIG)	236	275	315	354	402	449	496
		LIQUID TEMPERATURE (°F)	68	80	91	103	113	123	133
		LIQUID SUBCOOLING (°F)	12	10	9	5	4	3	0
		SUCTION PRESSURE (PSIG)	121	125	129	133	139	146	152
		SUCTION TEMPERATURE (°F)	43	45	47	48	51	54	57
		SUCTION SUPERHEAT (°F)	2	2	2	2	2	3	3
		OUTDOOR UNIT CURRENT (A)	12.7	13.6	14.5	15.3	16.2	17.1	17.9
		COMPRESSOR CURRENT (A)	11.5	12.4	13.3	14.1	15.0	15.9	16.7
		INDOOR COIL DB TEMP DROP (°F)	30	28	27	26	24	23	21
	1400	LIQUID PRESSURE (PSIG)	240	279	318	357	402	446	491
		LIQUID TEMPERATURE (°F)	69	80	91	102	112	122	133
		LIQUID SUBCOOLING (°F)	12	11	9	6	5	3	-1
		SUCTION PRESSURE (PSIG)	124	128	131	135	142	149	156
		SUCTION TEMPERATURE (°F)	47	48	49	49	52	55	58
		SUCTION SUPERHEAT (°F)	5	4	4	2	2	3	3
		OUTDOOR UNIT CURRENT (A)	12.7	13.6	14.6	15.5	16.5	17.5	18.5
		COMPRESSOR CURRENT (A)	11.5	12.4	13.4	14.3	15.3	16.3	17.3
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	24	23	21	20
	1600	LIQUID PRESSURE (PSIG)	245	283	321	360	402	444	486
		LIQUID TEMPERATURE (°F)	70	80	90	100	111	122	132
		LIQUID SUBCOOLING (°F)	13	12	11	9	6	3	0
		SUCTION PRESSURE (PSIG)	128	131	134	137	145	152	159
		SUCTION TEMPERATURE (°F)	51	51	51	50	54	57	60
		SUCTION SUPERHEAT (°F)	7	6	4	2	3	3	4
		OUTDOOR UNIT CURRENT (A)	12.7	13.7	14.7	15.6	16.8	18.0	19.1
		COMPRESSOR CURRENT (A)	11.5	12.5	13.5	14.4	15.6	16.8	17.9
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	22	21	20	18

Continued on next page.

YHJD42S41S4 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1200	LIQUID PRESSURE (PSIG)	251	291	331	371	408	445	482
		LIQUID TEMPERATURE (°F)	68	79	90	101	111	121	132
		LIQUID SUBCOOLING (°F)	16	15	13	10	7	4	-1
		SUCTION PRESSURE (PSIG)	133	137	140	144	148	152	156
		SUCTION TEMPERATURE (°F)	57	56	55	53	55	57	58
		SUCTION SUPERHEAT (°F)	11	8	6	2	3	3	3
		OUTDOOR UNIT CURRENT (A)	13.3	14.3	15.3	16.2	17.1	17.9	18.8
		COMPRESSOR CURRENT (A)	12.1	13.1	14.1	15.0	15.9	16.7	17.6
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19
	1400	LIQUID PRESSURE (PSIG)	260	296	332	368	407	445	484
		LIQUID TEMPERATURE (°F)	69	79	90	101	111	121	132
		LIQUID SUBCOOLING (°F)	18	16	13	10	7	4	-1
		SUCTION PRESSURE (PSIG)	137	140	143	147	151	155	159
		SUCTION TEMPERATURE (°F)	60	61	61	62	62	62	62
		SUCTION SUPERHEAT (°F)	12	12	11	10	9	7	6
		OUTDOOR UNIT CURRENT (A)	13.6	14.5	15.5	16.4	17.3	18.2	19.0
		COMPRESSOR CURRENT (A)	12.4	13.3	14.3	15.2	16.1	17.0	17.8
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1600	LIQUID PRESSURE (PSIG)	269	301	333	365	406	446	486
		LIQUID TEMPERATURE (°F)	70	80	90	100	111	121	132
		LIQUID SUBCOOLING (°F)	19	16	13	10	7	4	0
		SUCTION PRESSURE (PSIG)	141	144	147	149	153	157	161
		SUCTION TEMPERATURE (°F)	63	66	68	71	69	67	65
		SUCTION SUPERHEAT (°F)	14	15	16	19	15	12	8
		OUTDOOR UNIT CURRENT (A)	13.8	14.7	15.7	16.6	17.5	18.4	19.3
		COMPRESSOR CURRENT (A)	12.6	13.5	14.5	15.4	16.3	17.2	18.1
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	19	18	17	17
80/72	1200	LIQUID PRESSURE (PSIG)	273	307	341	374	415	457	498
		LIQUID TEMPERATURE (°F)	70	80	89	99	110	120	131
		LIQUID SUBCOOLING (°F)	20	18	16	13	10	7	3
		SUCTION PRESSURE (PSIG)	146	149	153	156	161	165	170
		SUCTION TEMPERATURE (°F)	68	71	74	77	78	80	81
		SUCTION SUPERHEAT (°F)	17	19	20	22	21	22	21
		OUTDOOR UNIT CURRENT (A)	14.0	15.0	16.0	17.0	18.0	19.0	19.9
		COMPRESSOR CURRENT (A)	12.8	13.8	14.8	15.8	16.8	17.8	18.7
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	17	16	15
	1400	LIQUID PRESSURE (PSIG)	277	310	342	374	416	459	501
		LIQUID TEMPERATURE (°F)	70	80	89	99	110	120	130
		LIQUID SUBCOOLING (°F)	21	18	16	13	10	7	4
		SUCTION PRESSURE (PSIG)	149	152	154	157	162	167	172
		SUCTION TEMPERATURE (°F)	71	74	77	80	81	82	84
		SUCTION SUPERHEAT (°F)	19	20	23	25	24	23	23
		OUTDOOR UNIT CURRENT (A)	14.2	15.2	16.1	17.1	18.1	19.1	20.1
		COMPRESSOR CURRENT (A)	13.0	14.0	14.9	15.9	16.9	17.9	18.9
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	16	15	14	14
	1600	LIQUID PRESSURE (PSIG)	281	312	343	374	417	460	504
		LIQUID TEMPERATURE (°F)	70	79	89	99	109	120	130
		LIQUID SUBCOOLING (°F)	22	20	17	13	11	7	5
		SUCTION PRESSURE (PSIG)	152	154	156	158	163	169	174
		SUCTION TEMPERATURE (°F)	74	77	80	83	84	85	86
		SUCTION SUPERHEAT (°F)	20	23	25	27	26	25	25
		OUTDOOR UNIT CURRENT (A)	14.4	15.3	16.2	17.1	18.1	19.2	20.2
		COMPRESSOR CURRENT (A)	13.2	14.1	15.0	15.9	16.9	18.0	19.0
		INDOOR COIL DB TEMP DROP (°F)	17	16	15	15	14	13	12

YHJD42S41S4 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1200	LIQUID PRESSURE (PSIG)	230	244	267	283	297	321
		LIQUID TEMPERATURE (°F)	44	49	55	63	67	72
		LIQUID SUBCOOLING (°F)	35	33	33	29	28	29
		SUCTION PRESSURE (PSIG)	50	60	76	91	102	115
		SUCTION TEMPERATURE (°F)	2	14	26	35	44	60
		SUCTION SUPERHEAT (°F)	1	6	7	8	12	22
		OUTDOOR UNIT CURRENT (A)	8.9	9.7	10.3	11.0	11.4	12.2
		COMPRESSOR CURRENT (A)	7.4	8.2	8.8	9.5	10.0	10.7
		INDOOR COIL DB TEMP RISE (°F)	15	18	27	27	30	34
	1400	LIQUID PRESSURE (PSIG)	223	238	257	273	285	304
		LIQUID TEMPERATURE (°F)	43	48	54	61	65	69
		LIQUID SUBCOOLING (°F)	34	33	32	29	28	28
		SUCTION PRESSURE (PSIG)	48	59	74	91	100	112
		SUCTION TEMPERATURE (°F)	4	15	26	35	45	60
		SUCTION SUPERHEAT (°F)	4	7	9	8	14	23
		OUTDOOR UNIT CURRENT (A)	8.8	9.6	10.2	10.8	11.2	11.8
		COMPRESSOR CURRENT (A)	7.2	8.1	8.7	9.3	9.7	10.3
		INDOOR COIL DB TEMP RISE (°F)	13	16	24	24	26	29
	1600	LIQUID PRESSURE (PSIG)	216	231	247	263	272	287
		LIQUID TEMPERATURE (°F)	42	46	52	59	62	67
		LIQUID SUBCOOLING (°F)	33	33	31	28	28	26
		SUCTION PRESSURE (PSIG)	47	59	73	90	98	108
		SUCTION TEMPERATURE (°F)	5	17	27	35	46	60
		SUCTION SUPERHEAT (°F)	6	9	10	9	16	25
		OUTDOOR UNIT CURRENT (A)	8.8	9.5	10.1	10.6	11.0	11.3
		COMPRESSOR CURRENT (A)	7.1	7.9	8.6	9.1	9.5	9.9
		INDOOR COIL DB TEMP RISE (°F)	11	14	21	21	23	25
70	1200	LIQUID PRESSURE (PSIG)	262	280	301	320	334	360
		LIQUID TEMPERATURE (°F)	48	54	62	68	73	79
		LIQUID SUBCOOLING (°F)	39	37	34	33	31	30
		SUCTION PRESSURE (PSIG)	50	61	78	93	104	120
		SUCTION TEMPERATURE (°F)	5	16	28	37	43	60
		SUCTION SUPERHEAT (°F)	4	7	8	9	10	19
		OUTDOOR UNIT CURRENT (A)	9.0	10.0	10.7	11.5	12.1	12.9
		COMPRESSOR CURRENT (A)	7.4	8.4	9.3	10.0	10.6	11.5
		INDOOR COIL DB TEMP RISE (°F)	13	17	25	25	28	33
	1400	LIQUID PRESSURE (PSIG)	256	274	292	309	322	344
		LIQUID TEMPERATURE (°F)	48	53	61	67	71	76
		LIQUID SUBCOOLING (°F)	37	37	33	31	30	30
		SUCTION PRESSURE (PSIG)	49	60	77	92	103	117
		SUCTION TEMPERATURE (°F)	4	16	28	36	44	60
		SUCTION SUPERHEAT (°F)	4	8	9	9	11	21
		OUTDOOR UNIT CURRENT (A)	9.0	9.9	10.6	11.3	6.9	12.6
		COMPRESSOR CURRENT (A)	7.4	8.3	9.1	9.9	10.4	11.1
		INDOOR COIL DB TEMP RISE (°F)	11	15	23	23	25	29
	1600	LIQUID PRESSURE (PSIG)	251	267	283	299	310	328
		LIQUID TEMPERATURE (°F)	47	52	59	66	69	74
		LIQUID SUBCOOLING (°F)	37	36	33	30	29	28
		SUCTION PRESSURE (PSIG)	48	60	75	92	102	114
		SUCTION TEMPERATURE (°F)	4	17	28	36	45	60
		SUCTION SUPERHEAT (°F)	4	9	10	9	13	22
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.5	11.1	11.6	12.2
		COMPRESSOR CURRENT (A)	7.3	8.2	9.0	9.7	10.2	10.8
		INDOOR COIL DB TEMP RISE (°F)	10	13	20	20	22	25

Continued on next page.

YHJD42S41S4 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1200	LIQUID PRESSURE (PSIG)	293	316	334	358	371	398
		LIQUID TEMPERATURE (°F)	53	58	69	74	79	85
		LIQUID SUBCOOLING (°F)	42	42	35	35	32	31
		SUCTION PRESSURE (PSIG)	50	62	80	94	107	124
		SUCTION TEMPERATURE (°F)	7	18	30	38	43	60
		SUCTION SUPERHEAT (°F)	6	8	9	10	8	18
		OUTDOOR UNIT CURRENT (A)	9.1	10.2	11.2	12.0	12.7	13.7
		COMPRESSOR CURRENT (A)	7.5	8.7	9.7	10.5	11.2	12.2
		INDOOR COIL DB TEMP RISE (°F)	11	15	24	24	27	31
	1400	LIQUID PRESSURE (PSIG)	289	309	326	346	359	383
		LIQUID TEMPERATURE (°F)	53	58	67	73	77	83
		LIQUID SUBCOOLING (°F)	41	40	35	33	32	31
		SUCTION PRESSURE (PSIG)	50	62	79	94	106	122
		SUCTION TEMPERATURE (°F)	5	18	30	38	43	60
		SUCTION SUPERHEAT (°F)	4	8	10	10	9	18
		OUTDOOR UNIT CURRENT (A)	9.1	10.1	11.0	11.9	2.7	13.4
		COMPRESSOR CURRENT (A)	7.5	8.6	9.6	10.4	11.0	12.0
		INDOOR COIL DB TEMP RISE (°F)	10	14	21	21	24	28
	1600	LIQUID PRESSURE (PSIG)	285	303	318	334	347	368
		LIQUID TEMPERATURE (°F)	52	57	66	73	76	80
		LIQUID SUBCOOLING (°F)	41	40	34	31	30	31
		SUCTION PRESSURE (PSIG)	50	61	78	94	106	120
		SUCTION TEMPERATURE (°F)	3	17	29	37	43	61
		SUCTION SUPERHEAT (°F)	2	8	9	9	9	20
		OUTDOOR UNIT CURRENT (A)	9.1	10.1	10.9	11.7	12.3	13.1
		COMPRESSOR CURRENT (A)	7.5	8.5	9.5	10.3	10.9	11.7
		INDOOR COIL DB TEMP RISE (°F)	9	12	19	19	21	24

FOR USE WITH MODELS:

YHJR48S41S4
THJR48S41S4
RHP13R484S21

YHJR48S41S4 SUPERHEAT CHARGING CHART												
OUTDOOR AMBIENT DB (°F)	PRESSURE (PSIG) AT SUCTION BASE VALVE											
	117	121	124	128	131	140	144	147	151	154	158	161
	TEMPERATURE (°F) AT SUCTION BASE VALVE											
65	42	45	48	51	54	62	66	69	72	..	..	..
70	41	44	47	50	53	61	65	69	73	..	..	..
75	..	43	45	48	52	60	64	68	73	..	..	..
80	..	..	44	47	50	59	64	68	73	77	..	..
85	..	..	..	46	49	57	61	66	71	77	..	..
90	..	..	..	45	48	56	61	65	71	77	..	..
95	..	..	..	..	48	53	57	62	68	75	..	..
100	..	..	..	..	..	53	56	61	66	72	78	..
105	..	..	..	..	..	51	54	57	61	67	73	80
110	..	..	..	..	..	51	53	56	60	65	70	76
115	..	..	..	..	..	..	53	54	57	61	65	71
120	..	..	..	..	..	..	..	54	56	59	63	67
125	..	..	..	..	..	..	..	55	56	57	60	64

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

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

YHJR48S41S4 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJR48S41S4	35	107	44.6	2.71	40.2	2.81	35.9	2.91	31.5	3.00	27.2	3.10	22.8	3.19	18.5	3.29
	40	119	51.7	2.76	46.7	2.90	41.6	3.03	36.6	3.17	31.6	3.30	26.5	3.44	21.5	3.58
	45	130	58.8	2.81	53.1	2.99	47.4	3.16	41.7	3.34	36.0	3.51	30.3	3.69	24.6	3.86
	50	143	65.9	2.86	59.5	3.08	53.1	3.29	46.7	3.51	40.4	3.72	34.0	3.94	27.6	4.15
	55	156	72.9	2.91	65.9	3.16	58.9	3.42	51.8	3.67	44.8	3.93	37.7	4.18	30.7	4.44

NOTES:

- For condensing unit performance only. Data does not include the effects of air handler power or heat.
- Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - Increase capacity by 1% for each 2°F increase in subcooling.
 - Decrease capacity by 1% for each 2°F decrease in subcooling.
- Maximum recommended condensing temperature is 140°F.

YHJR48S41S4 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1400	LIQUID PRESSURE (PSIG)	237	275	314	352	398	444	489
		LIQUID TEMPERATURE (°F)	69	80	90	101	112	123	135
		LIQUID SUBCOOLING (°F)	11	10	9	6	4	2	-3
		SUCTION PRESSURE (PSIG)	121	125	128	132	137	142	147
		SUCTION TEMPERATURE (°F)	43	45	46	48	50	52	54
		SUCTION SUPERHEAT (°F)	2	2	2	2	2	2	2
		OUTDOOR UNIT CURRENT (A)	12.8	13.6	14.4	15.3	16.0	16.7	17.5
		COMPRESSOR CURRENT (A)	11.5	12.4	13.2	14.1	14.8	15.5	16.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	20	19	18
	1600	LIQUID PRESSURE (PSIG)	240	279	318	357	402	446	491
		LIQUID TEMPERATURE (°F)	69	80	91	101	112	124	135
		LIQUID SUBCOOLING (°F)	12	11	9	7	5	1	-3
		SUCTION PRESSURE (PSIG)	124	128	131	135	139	144	148
		SUCTION TEMPERATURE (°F)	47	48	49	49	51	53	55
		SUCTION SUPERHEAT (°F)	5	4	4	2	2	2	3
		OUTDOOR UNIT CURRENT (A)	12.8	13.7	14.6	15.5	16.2	16.9	17.7
		COMPRESSOR CURRENT (A)	11.5	12.5	13.4	14.3	15.0	15.7	16.5
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	17
	1800	LIQUID PRESSURE (PSIG)	244	283	323	362	406	449	492
		LIQUID TEMPERATURE (°F)	70	80	91	101	112	124	135
		LIQUID SUBCOOLING (°F)	12	12	10	8	6	2	-2
		SUCTION PRESSURE (PSIG)	128	131	134	138	142	146	150
		SUCTION TEMPERATURE (°F)	51	51	51	51	52	54	56
		SUCTION SUPERHEAT (°F)	7	6	4	3	2	3	3
		OUTDOOR UNIT CURRENT (A)	12.8	13.7	14.7	15.7	16.4	17.2	17.9
		COMPRESSOR CURRENT (A)	11.5	12.5	13.5	14.5	15.2	16.0	16.7
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	18	17	16
80/62	1400	LIQUID PRESSURE (PSIG)	236	275	315	354	402	449	496
		LIQUID TEMPERATURE (°F)	68	80	91	103	113	123	133
		LIQUID SUBCOOLING (°F)	12	10	9	5	4	3	0
		SUCTION PRESSURE (PSIG)	121	125	129	133	139	146	152
		SUCTION TEMPERATURE (°F)	43	45	47	48	51	54	57
		SUCTION SUPERHEAT (°F)	2	2	2	2	2	3	3
		OUTDOOR UNIT CURRENT (A)	12.7	13.6	14.5	15.3	16.2	17.1	17.9
		COMPRESSOR CURRENT (A)	11.5	12.4	13.3	14.1	15.0	15.9	16.7
		INDOOR COIL DB TEMP DROP (°F)	30	28	27	26	24	23	21
	1600	LIQUID PRESSURE (PSIG)	240	279	318	357	402	446	491
		LIQUID TEMPERATURE (°F)	69	80	91	102	112	122	133
		LIQUID SUBCOOLING (°F)	12	11	9	6	5	3	-1
		SUCTION PRESSURE (PSIG)	124	128	131	135	142	149	156
		SUCTION TEMPERATURE (°F)	47	48	49	49	52	55	58
		SUCTION SUPERHEAT (°F)	5	4	4	2	2	3	3
		OUTDOOR UNIT CURRENT (A)	12.7	13.6	14.6	15.5	16.5	17.5	18.5
		COMPRESSOR CURRENT (A)	11.5	12.4	13.4	14.3	15.3	16.3	17.3
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	24	23	21	20
	1800	LIQUID PRESSURE (PSIG)	245	283	321	360	402	444	486
		LIQUID TEMPERATURE (°F)	70	80	90	100	111	122	132
		LIQUID SUBCOOLING (°F)	13	12	11	9	6	3	0
		SUCTION PRESSURE (PSIG)	128	131	134	137	145	152	159
		SUCTION TEMPERATURE (°F)	51	51	51	50	54	57	60
		SUCTION SUPERHEAT (°F)	7	6	4	2	3	3	4
		OUTDOOR UNIT CURRENT (A)	12.7	13.7	14.7	15.6	16.8	18.0	19.1
		COMPRESSOR CURRENT (A)	11.5	12.5	13.5	14.4	15.6	16.8	17.9
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	22	21	20	18

Continued on next page.

YHJR48S41S4 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1400	LIQUID PRESSURE (PSIG)	251	291	331	371	408	445	482
		LIQUID TEMPERATURE (°F)	68	79	90	101	111	121	132
		LIQUID SUBCOOLING (°F)	16	15	13	10	7	4	-1
		SUCTION PRESSURE (PSIG)	133	137	140	144	148	152	156
		SUCTION TEMPERATURE (°F)	57	56	55	53	55	57	58
		SUCTION SUPERHEAT (°F)	11	8	6	2	3	3	3
		OUTDOOR UNIT CURRENT (A)	13.3	14.3	15.3	16.2	17.1	17.9	18.8
		COMPRESSOR CURRENT (A)	12.1	13.1	14.1	15.0	15.9	16.7	17.6
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19
	1600	LIQUID PRESSURE (PSIG)	260	296	332	368	407	445	484
		LIQUID TEMPERATURE (°F)	69	79	90	101	111	121	132
		LIQUID SUBCOOLING (°F)	18	16	13	10	7	4	-1
		SUCTION PRESSURE (PSIG)	137	140	143	147	151	155	159
		SUCTION TEMPERATURE (°F)	60	61	61	62	62	62	62
		SUCTION SUPERHEAT (°F)	12	12	11	10	9	7	6
		OUTDOOR UNIT CURRENT (A)	13.6	14.5	15.5	16.4	17.3	18.2	19.0
		COMPRESSOR CURRENT (A)	12.4	13.3	14.3	15.2	16.1	17.0	17.8
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1800	LIQUID PRESSURE (PSIG)	269	301	333	365	406	446	486
		LIQUID TEMPERATURE (°F)	70	80	90	100	111	121	132
		LIQUID SUBCOOLING (°F)	19	16	13	10	7	4	0
		SUCTION PRESSURE (PSIG)	141	144	147	149	153	157	161
		SUCTION TEMPERATURE (°F)	63	66	68	71	69	67	65
		SUCTION SUPERHEAT (°F)	14	15	16	19	15	12	8
		OUTDOOR UNIT CURRENT (A)	13.8	14.7	15.7	16.6	17.5	18.4	19.3
		COMPRESSOR CURRENT (A)	12.6	13.5	14.5	15.4	16.3	17.2	18.1
		INDOOR COIL DB TEMP DROP (°F)	21	21	20	19	18	17	17
80/72	1400	LIQUID PRESSURE (PSIG)	273	307	341	374	415	457	498
		LIQUID TEMPERATURE (°F)	70	80	89	99	110	120	131
		LIQUID SUBCOOLING (°F)	20	18	16	13	10	7	3
		SUCTION PRESSURE (PSIG)	146	149	153	156	161	165	170
		SUCTION TEMPERATURE (°F)	68	71	74	77	78	80	81
		SUCTION SUPERHEAT (°F)	17	19	20	22	21	22	21
		OUTDOOR UNIT CURRENT (A)	14.0	15.0	16.0	17.0	18.0	19.0	19.9
		COMPRESSOR CURRENT (A)	12.8	13.8	14.8	15.8	16.8	17.8	18.7
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	17	16	15
	1600	LIQUID PRESSURE (PSIG)	277	310	342	374	416	459	501
		LIQUID TEMPERATURE (°F)	70	80	89	99	110	120	130
		LIQUID SUBCOOLING (°F)	21	18	16	13	10	7	4
		SUCTION PRESSURE (PSIG)	149	152	154	157	162	167	172
		SUCTION TEMPERATURE (°F)	71	74	77	80	81	82	84
		SUCTION SUPERHEAT (°F)	19	20	23	25	24	23	23
		OUTDOOR UNIT CURRENT (A)	14.2	15.2	16.1	17.1	18.1	19.1	20.1
		COMPRESSOR CURRENT (A)	13.0	14.0	14.9	15.9	16.9	17.9	18.9
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	16	15	14	14
	1800	LIQUID PRESSURE (PSIG)	281	312	343	374	417	460	504
		LIQUID TEMPERATURE (°F)	70	79	89	99	109	120	130
		LIQUID SUBCOOLING (°F)	22	20	17	13	11	7	5
		SUCTION PRESSURE (PSIG)	152	154	156	158	163	169	174
		SUCTION TEMPERATURE (°F)	74	77	80	83	84	85	86
		SUCTION SUPERHEAT (°F)	20	23	25	27	26	25	25
		OUTDOOR UNIT CURRENT (A)	14.4	15.3	16.2	17.1	18.1	19.2	20.2
		COMPRESSOR CURRENT (A)	13.2	14.1	15.0	15.9	16.9	18.0	19.0
		INDOOR COIL DB TEMP DROP (°F)	17	16	15	15	14	13	12

YHJR48S41S4 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1400	LIQUID PRESSURE (PSIG)	219	245	279	363	402	476
		LIQUID TEMPERATURE (°F)	56	54	56	59	61	64
		LIQUID SUBCOOLING (°F)	19	29	35	51	56	66
		SUCTION PRESSURE (PSIG)	53	63	72	97	108	127
		SUCTION TEMPERATURE (°F)	3	10	16	36	43	56
		SUCTION SUPERHEAT (°F)	-1	-1	0	6	8	12
		OUTDOOR UNIT CURRENT (A)	9.3	10.3	11.1	13.3	14.3	16.2
		COMPRESSOR CURRENT (A)	8.0	9.0	9.8	12.1	13.1	15.1
		INDOOR COIL DB TEMP RISE (°F)	12	16	27	27	29	34
	1600	LIQUID PRESSURE (PSIG)	218	245	283	357	395	464
		LIQUID TEMPERATURE (°F)	54	53	55	59	60	63
		LIQUID SUBCOOLING (°F)	21	30	37	49	56	65
		SUCTION PRESSURE (PSIG)	54	63	74	96	106	125
		SUCTION TEMPERATURE (°F)	4	11	17	36	43	57
		SUCTION SUPERHEAT (°F)	0	1	0	7	9	14
		OUTDOOR UNIT CURRENT (A)	9.3	10.3	11.3	13.2	14.2	16.0
		COMPRESSOR CURRENT (A)	8.0	9.0	9.8	12.0	13.0	14.8
		INDOOR COIL DB TEMP RISE (°F)	12	15	23	23	26	30
	1800	LIQUID PRESSURE (PSIG)	217	244	287	351	388	452
		LIQUID TEMPERATURE (°F)	51	52	55	58	60	62
		LIQUID SUBCOOLING (°F)	24	30	38	49	55	64
		SUCTION PRESSURE (PSIG)	55	63	75	95	105	122
		SUCTION TEMPERATURE (°F)	5	11	18	36	43	57
		SUCTION SUPERHEAT (°F)	0	1	0	7	9	15
		OUTDOOR UNIT CURRENT (A)	9.3	10.3	11.3	13.1	14.1	15.8
		COMPRESSOR CURRENT (A)	8.0	9.0	10.0	11.8	12.8	14.6
		INDOOR COIL DB TEMP RISE (°F)	11	13	20	20	22	26
70	1400	LIQUID PRESSURE (PSIG)	252	272	317	387	431	511
		LIQUID TEMPERATURE (°F)	66	64	64	68	69	72
		LIQUID SUBCOOLING (°F)	18	26	36	46	53	64
		SUCTION PRESSURE (PSIG)	56	63	78	98	110	131
		SUCTION TEMPERATURE (°F)	5	11	20	33	41	56
		SUCTION SUPERHEAT (°F)	-1	1	0	3	5	11
		OUTDOOR UNIT CURRENT (A)	9.7	10.6	11.8	13.6	14.7	16.8
		COMPRESSOR CURRENT (A)	8.3	9.1	10.4	12.3	13.5	15.6
		INDOOR COIL DB TEMP RISE (°F)	12	15	25	25	28	33
	1600	LIQUID PRESSURE (PSIG)	250	270	318	382	424	501
		LIQUID TEMPERATURE (°F)	64	62	64	67	68	71
		LIQUID SUBCOOLING (°F)	20	27	36	46	53	63
		SUCTION PRESSURE (PSIG)	56	64	78	97	109	129
		SUCTION TEMPERATURE (°F)	5	11	20	33	42	56
		SUCTION SUPERHEAT (°F)	-1	0	0	3	6	11
		OUTDOOR UNIT CURRENT (A)	9.7	10.6	11.8	13.5	14.6	16.7
		COMPRESSOR CURRENT (A)	8.3	9.2	10.4	12.2	13.3	15.4
		INDOOR COIL DB TEMP RISE (°F)	11	13	22	22	25	29
	1800	LIQUID PRESSURE (PSIG)	248	269	319	377	418	490
		LIQUID TEMPERATURE (°F)	63	61	63	66	68	70
		LIQUID SUBCOOLING (°F)	20	28	37	46	52	62
		SUCTION PRESSURE (PSIG)	57	64	79	96	108	127
		SUCTION TEMPERATURE (°F)	6	11	21	33	42	57
		SUCTION SUPERHEAT (°F)	0	0	1	4	7	13
		OUTDOOR UNIT CURRENT (A)	9.7	10.6	11.8	13.4	14.5	16.5
		COMPRESSOR CURRENT (A)	8.3	9.2	10.5	12.1	13.2	15.2
		INDOOR COIL DB TEMP RISE (°F)	10	12	19	19	22	25

Continued on next page.

YHJR48S41S4 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1400	LIQUID PRESSURE (PSIG)	285	300	355	411	459	546
		LIQUID TEMPERATURE (°F)	76	73	73	76	77	81
		LIQUID SUBCOOLING (°F)	17	23	35	43	50	60
		SUCTION PRESSURE (PSIG)	58	64	83	98	112	135
		SUCTION TEMPERATURE (°F)	7	11	23	31	39	56
		SUCTION SUPERHEAT (°F)	0	0	0	1	2	9
		OUTDOOR UNIT CURRENT (A)	10.1	10.8	12.5	13.8	15.1	17.5
		COMPRESSOR CURRENT (A)	8.8	9.3	11.1	12.5	13.8	16.2
		INDOOR COIL DB TEMP RISE (°F)	11	13	23	23	26	32
	1600	LIQUID PRESSURE (PSIG)	282	296	353	407	453	537
		LIQUID TEMPERATURE (°F)	75	72	72	75	76	80
		LIQUID SUBCOOLING (°F)	17	23	36	43	50	60
		SUCTION PRESSURE (PSIG)	58	64	83	98	111	133
		SUCTION TEMPERATURE (°F)	7	11	23	31	40	56
		SUCTION SUPERHEAT (°F)	0	0	0	1	3	10
		OUTDOOR UNIT CURRENT (A)	10.1	10.9	12.3	13.8	15.1	17.3
		COMPRESSOR CURRENT (A)	8.7	9.4	11.0	12.5	13.8	16.1
		INDOOR COIL DB TEMP RISE (°F)	10	12	20	20	24	28
	1800	LIQUID PRESSURE (PSIG)	279	293	351	403	448	528
		LIQUID TEMPERATURE (°F)	74	70	71	74	76	79
		LIQUID SUBCOOLING (°F)	17	25	36	43	49	59
		SUCTION PRESSURE (PSIG)	59	64	83	97	111	132
		SUCTION TEMPERATURE (°F)	7	11	23	31	42	56
		SUCTION SUPERHEAT (°F)	-1	0	0	1	5	10
		OUTDOOR UNIT CURRENT (A)	10.1	11.0	12.3	13.8	15.0	17.2
		COMPRESSOR CURRENT (A)	8.6	9.5	11.0	12.5	13.6	15.8
		INDOOR COIL DB TEMP RISE (°F)	9	11	18	18	21	24

FOR USE WITH MODELS:**YHJR60S41S6****THJR60S41S6****RHP13R604S22**

YHJR60S41S6 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			
65	222 (4)	226 (5)	229 (6)	234 (7)
70	243 (5)	246 (5)	250 (7)	255 (7)
75	264 (6)	266 (6)	271 (7)	276 (8)
80	284 (6)	286 (6)	291 (7)	297 (7)
85	305 (5)	307 (5)	312 (7)	318 (7)
90	326 (5)	327 (5)	332 (6)	339 (6)
95	347 (4)	347 (4)	353 (5)	359 (5)
100	371 (4)	371 (3)	377 (4)	383 (4)
105	395 (3)	395 (3)	401 (3)	408 (4)
110	420 (2)	420 (2)	425 (2)	432 (2)
115	444 (1)	444 (1)	449 (1)	456 (1)
120	468 (1)	468 (1)	473 (1)	480 (1)
125	493 (1)	492 (1)	497 (1)	504 (1)

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.

YHJR60S41S6 CONDENSER TABLE																
MODEL	SATURATED SUCTION @ COMPRESSOR		OUTDOOR AMBIENT DB (°F)													
			65		75		85		95		105		115		125	
	T (°F)	P (PSIG)	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
YHJR60S41S6	35	107	54.9	2.79	50.5	3.17	46.2	3.54	41.8	3.91	37.5	4.28	33.1	4.66	28.8	5.03
	40	119	60.1	2.84	55.7	3.21	51.2	3.59	46.7	3.97	42.3	4.34	37.8	4.72	33.3	5.10
	45	130	65.3	2.88	60.8	3.26	56.2	3.64	51.6	4.02	47.0	4.40	42.4	4.79	37.9	5.17
	50	143	70.6	2.92	65.9	3.31	61.2	3.69	56.5	4.08	51.8	4.47	47.1	4.85	42.4	5.24
	55	156	75.8	2.96	71.0	3.35	66.2	3.74	61.4	4.13	56.5	4.53	51.7	4.92	46.9	5.31

NOTES:

1. For condensing unit performance only. Data does not include the effects of air handler power or heat.
2. Performance based on 15°F subcooling and 15°F superheat at the condensing unit base valves.
 - a. Increase capacity by 1% for each 2°F increase in subcooling.
 - b. Decrease capacity by 1% for each 2°F decrease in subcooling.
3. Maximum recommended condensing temperature is 140°F.

YHJR60S41S6 W/ NOMINAL COIL

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
75/62	1650	LIQUID PRESSURE (PSIG)	225	266	306	346	394	441	489
		LIQUID TEMPERATURE (°F)	73	83	93	104	115	125	136
		LIQUID SUBCOOLING (°F)	4	5	5	2	1	-1	-4
		SUCTION PRESSURE (PSIG)	120	123	125	128	131	134	138
		SUCTION TEMPERATURE (°F)	56	57	59	60	61	63	64
		SUCTION SUPERHEAT (°F)	15	15	16	16	16	16	16
		OUTDOOR UNIT CURRENT (A)	13.2	14.9	16.6	18.4	20.7	23.0	25.3
		COMPRESSOR CURRENT (A)	12.0	13.7	15.4	17.2	19.5	21.7	24.0
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1850	LIQUID PRESSURE (PSIG)	226	266	307	347	395	443	490
		LIQUID TEMPERATURE (°F)	73	83	94	104	115	125	136
		LIQUID SUBCOOLING (°F)	4	5	4	2	1	-1	-4
		SUCTION PRESSURE (PSIG)	123	126	128	131	134	136	139
		SUCTION TEMPERATURE (°F)	58	59	60	61	62	64	65
		SUCTION SUPERHEAT (°F)	16	16	16	16	15	17	16
		OUTDOOR UNIT CURRENT (A)	13.2	15.0	16.7	18.4	20.7	23.0	25.3
		COMPRESSOR CURRENT (A)	12.0	13.7	15.5	17.2	19.5	21.8	24.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	18
	2050	LIQUID PRESSURE (PSIG)	227	267	308	348	396	444	491
		LIQUID TEMPERATURE (°F)	74	84	94	104	115	126	136
		LIQUID SUBCOOLING (°F)	4	4	4	3	1	-1	-4
		SUCTION PRESSURE (PSIG)	126	128	131	133	136	139	141
		SUCTION TEMPERATURE (°F)	59	60	61	62	63	65	66
		SUCTION SUPERHEAT (°F)	16	16	16	16	16	16	17
		OUTDOOR UNIT CURRENT (A)	13.2	15.0	16.7	18.5	20.8	23.1	25.4
		COMPRESSOR CURRENT (A)	12.0	13.8	15.5	17.2	19.5	21.9	24.2
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	17
80/62	1650	LIQUID PRESSURE (PSIG)	224	264	305	346	394	441	489
		LIQUID TEMPERATURE (°F)	74	84	94	104	115	125	136
		LIQUID SUBCOOLING (°F)	3	4	3	2	1	-1	-4
		SUCTION PRESSURE (PSIG)	120	123	126	128	131	134	138
		SUCTION TEMPERATURE (°F)	56	58	59	60	61	63	64
		SUCTION SUPERHEAT (°F)	15	16	16	16	16	16	16
		OUTDOOR UNIT CURRENT (A)	13.1	14.9	16.6	18.4	20.7	23.0	25.3
		COMPRESSOR CURRENT (A)	11.9	13.7	15.4	17.1	19.4	21.7	24.0
		INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	24	23	22
	1850	LIQUID PRESSURE (PSIG)	226	266	307	347	395	444	492
		LIQUID TEMPERATURE (°F)	74	84	94	104	115	126	136
		LIQUID SUBCOOLING (°F)	3	4	4	2	1	-1	-3
		SUCTION PRESSURE (PSIG)	124	126	128	131	135	139	143
		SUCTION TEMPERATURE (°F)	58	59	60	61	63	65	67
		SUCTION SUPERHEAT (°F)	16	16	16	16	16	16	17
		OUTDOOR UNIT CURRENT (A)	13.2	14.9	16.7	18.4	20.7	23.1	25.4
		COMPRESSOR CURRENT (A)	12.0	13.7	15.5	17.2	19.5	21.9	24.2
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	23	22	21
	2050	LIQUID PRESSURE (PSIG)	227	268	308	348	397	446	495
		LIQUID TEMPERATURE (°F)	73	84	94	105	115	126	137
		LIQUID SUBCOOLING (°F)	5	5	4	2	1	-1	-4
		SUCTION PRESSURE (PSIG)	127	129	131	133	139	144	149
		SUCTION TEMPERATURE (°F)	59	60	61	62	65	67	69
		SUCTION SUPERHEAT (°F)	15	15	16	16	16	16	17
		OUTDOOR UNIT CURRENT (A)	13.3	15.0	16.7	18.5	20.8	23.2	25.5
		COMPRESSOR CURRENT (A)	12.1	13.8	15.5	17.2	19.6	22.0	24.3
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19

Continued on next page.

YHJR60S41S6 W/ NOMINAL COIL (Continued)

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
80/67	1650	LIQUID PRESSURE (PSIG)	228	269	311	352	400	447	495
		LIQUID TEMPERATURE (°F)	72	83	94	105	115	126	137
		LIQUID SUBCOOLING (°F)	6	6	5	2	2	-1	-4
		SUCTION PRESSURE (PSIG)	130	134	137	140	144	147	150
		SUCTION TEMPERATURE (°F)	61	62	64	65	67	68	70
		SUCTION SUPERHEAT (°F)	16	15	16	16	16	16	17
		OUTDOOR UNIT CURRENT (A)	13.3	15.1	16.8	18.6	20.9	23.2	25.6
		COMPRESSOR CURRENT (A)	12.1	13.8	15.6	17.4	19.7	22.0	24.3
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	19	18
	1850	LIQUID PRESSURE (PSIG)	229	271	312	353	401	449	497
		LIQUID TEMPERATURE (°F)	73	84	94	105	116	126	137
		LIQUID SUBCOOLING (°F)	5	5	5	3	1	0	-4
		SUCTION PRESSURE (PSIG)	133	137	140	143	146	149	152
		SUCTION TEMPERATURE (°F)	62	64	65	66	68	69	70
		SUCTION SUPERHEAT (°F)	16	16	16	16	17	17	16
		OUTDOOR UNIT CURRENT (A)	13.3	15.1	16.9	18.6	21.0	23.3	25.6
		COMPRESSOR CURRENT (A)	12.1	13.9	15.7	17.4	19.7	22.1	24.4
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	20	19	18	17
	2050	LIQUID PRESSURE (PSIG)	230	272	313	354	402	450	498
		LIQUID TEMPERATURE (°F)	73	84	94	105	116	126	137
		LIQUID SUBCOOLING (°F)	6	6	5	3	1	0	-3
		SUCTION PRESSURE (PSIG)	137	139	142	145	148	151	154
		SUCTION TEMPERATURE (°F)	64	65	66	67	69	70	71
		SUCTION SUPERHEAT (°F)	16	16	16	16	17	17	17
		OUTDOOR UNIT CURRENT (A)	13.4	15.2	16.9	18.7	21.0	23.4	25.7
		COMPRESSOR CURRENT (A)	12.2	13.9	15.7	17.5	19.8	22.1	24.5
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	17
80/72	1650	LIQUID PRESSURE (PSIG)	233	275	316	358	406	455	503
		LIQUID TEMPERATURE (°F)	73	84	95	106	116	127	137
		LIQUID SUBCOOLING (°F)	6	6	5	3	2	0	-3
		SUCTION PRESSURE (PSIG)	142	146	150	154	157	160	163
		SUCTION TEMPERATURE (°F)	66	68	69	71	72	73	75
		SUCTION SUPERHEAT (°F)	16	17	16	17	17	17	17
		OUTDOOR UNIT CURRENT (A)	13.5	15.3	17.1	18.8	21.2	23.6	25.9
		COMPRESSOR CURRENT (A)	12.3	14.1	15.8	17.6	20.0	22.3	24.7
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	16	16	15	14
	1850	LIQUID PRESSURE (PSIG)	234	276	318	359	408	456	504
		LIQUID TEMPERATURE (°F)	74	84	95	106	116	127	137
		LIQUID SUBCOOLING (°F)	6	7	5	3	2	0	-2
		SUCTION PRESSURE (PSIG)	146	149	153	156	159	163	166
		SUCTION TEMPERATURE (°F)	68	69	71	72	73	74	76
		SUCTION SUPERHEAT (°F)	17	17	17	17	17	16	17
		OUTDOOR UNIT CURRENT (A)	13.5	15.3	17.1	18.9	21.3	23.6	26.0
		COMPRESSOR CURRENT (A)	12.3	14.1	15.9	17.7	20.0	22.4	24.7
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	15	15	14	13
	2050	LIQUID PRESSURE (PSIG)	235	277	319	361	409	457	505
		LIQUID TEMPERATURE (°F)	74	85	95	106	117	127	138
		LIQUID SUBCOOLING (°F)	6	6	5	3	2	0	-3
		SUCTION PRESSURE (PSIG)	149	152	156	159	162	165	168
		SUCTION TEMPERATURE (°F)	69	70	72	73	74	75	76
		SUCTION SUPERHEAT (°F)	17	16	17	17	17	17	17
		OUTDOOR UNIT CURRENT (A)	13.6	15.4	17.2	19.0	21.3	23.6	26.0
		COMPRESSOR CURRENT (A)	12.4	14.2	15.9	17.7	20.1	22.4	24.8
		INDOOR COIL DB TEMP DROP (°F)	16	15	15	14	14	13	12

YHJR60S41S6 W/ NOMINAL COIL

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
60	1600	LIQUID PRESSURE (PSIG)	244	259	278	328	355	397
		LIQUID TEMPERATURE (°F)	62	60	63	64	65	67
		LIQUID SUBCOOLING (°F)	20	26	28	38	43	49
		SUCTION PRESSURE (PSIG)	51	62	65	85	94	107
		SUCTION TEMPERATURE (°F)	2	9	12	34	42	56
		SUCTION SUPERHEAT (°F)	0	-1	0	10	14	21
		OUTDOOR UNIT CURRENT (A)	14.8	15.1	15.7	17.2	18.1	19.6
		COMPRESSOR CURRENT (A)	13.4	13.7	14.3	15.8	16.9	18.3
		INDOOR COIL DB TEMP RISE (°F)	18	19	28	28	31	35
	1800	LIQUID PRESSURE (PSIG)	235	255	256	280	343	380
		LIQUID TEMPERATURE (°F)	61	59	62	63	63	65
		LIQUID SUBCOOLING (°F)	19	26	23	28	43	48
		SUCTION PRESSURE (PSIG)	49	61	58	67	92	103
		SUCTION TEMPERATURE (°F)	0	9	7	18	43	56
		SUCTION SUPERHEAT (°F)	-1	0	0	5	16	23
		OUTDOOR UNIT CURRENT (A)	14.3	15.0	15.0	15.6	17.6	18.8
		COMPRESSOR CURRENT (A)	12.9	13.6	13.5	14.2	16.3	17.6
		INDOOR COIL DB TEMP RISE (°F)	15	17	21	21	28	31
	2000	LIQUID PRESSURE (PSIG)	226	252	235	232	330	362
		LIQUID TEMPERATURE (°F)	60	59	61	62	62	64
		LIQUID SUBCOOLING (°F)	17	25	19	17	41	45
		SUCTION PRESSURE (PSIG)	47	60	51	49	90	100
		SUCTION TEMPERATURE (°F)	-2	8	2	2	44	57
		SUCTION SUPERHEAT (°F)	-1	-1	0	2	18	26
		OUTDOOR UNIT CURRENT (A)	13.9	14.8	14.4	14.0	17.0	18.1
		COMPRESSOR CURRENT (A)	12.5	13.5	12.8	12.5	15.7	16.8
		INDOOR COIL DB TEMP RISE (°F)	13	16	14	14	24	27
70	1600	LIQUID PRESSURE (PSIG)	274	297	328	372	399	449
		LIQUID TEMPERATURE (°F)	74	70	72	74	75	76
		LIQUID SUBCOOLING (°F)	16	25	30	37	42	50
		SUCTION PRESSURE (PSIG)	50	62	72	89	97	112
		SUCTION TEMPERATURE (°F)	1	9	16	34	42	56
		SUCTION SUPERHEAT (°F)	0	-1	0	8	12	19
		OUTDOOR UNIT CURRENT (A)	15.9	16.5	17.7	19.1	20.0	22.0
		COMPRESSOR CURRENT (A)	14.5	15.2	16.4	17.8	18.8	20.7
		INDOOR COIL DB TEMP RISE (°F)	16	19	28	28	31	35
	1800	LIQUID PRESSURE (PSIG)	266	291	312	343	387	431
		LIQUID TEMPERATURE (°F)	73	70	71	72	73	75
		LIQUID SUBCOOLING (°F)	15	24	28	34	41	47
		SUCTION PRESSURE (PSIG)	48	61	68	79	96	109
		SUCTION TEMPERATURE (°F)	-1	9	13	25	42	56
		SUCTION SUPERHEAT (°F)	-1	0	-1	5	13	20
		OUTDOOR UNIT CURRENT (A)	15.5	16.3	17.1	18.1	11.1	21.2
		COMPRESSOR CURRENT (A)	14.1	15.0	15.8	16.7	18.2	19.9
		INDOOR COIL DB TEMP RISE (°F)	14	17	23	23	28	31
	2000	LIQUID PRESSURE (PSIG)	258	285	295	313	375	413
		LIQUID TEMPERATURE (°F)	72	69	70	71	71	73
		LIQUID SUBCOOLING (°F)	14	24	25	28	41	46
		SUCTION PRESSURE (PSIG)	46	60	63	69	94	106
		SUCTION TEMPERATURE (°F)	-2	8	10	17	43	57
		SUCTION SUPERHEAT (°F)	0	-1	-1	3	15	23
		OUTDOOR UNIT CURRENT (A)	15.2	16.1	16.6	17.0	18.9	20.4
		COMPRESSOR CURRENT (A)	13.7	14.8	15.1	15.6	17.6	19.1
		INDOOR COIL DB TEMP RISE (°F)	12	16	18	18	24	27

Continued on next page.

YHJR60S41S6 W/ NOMINAL COIL (Continued)

ID DB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			10	17	30	40	47	60
80	1600	LIQUID PRESSURE (PSIG)	304	334	379	416	444	501
		LIQUID TEMPERATURE (°F)	86	81	82	83	84	86
		LIQUID SUBCOOLING (°F)	11	23	31	37	41	48
		SUCTION PRESSURE (PSIG)	48	62	79	92	10	117
		SUCTION TEMPERATURE (°F)	-1	9	20	33	41	56
		SUCTION SUPERHEAT (°F)	-1	-1	0	6	82	17
		OUTDOOR UNIT CURRENT (A)	17.0	17.9	19.8	21.1	21.9	24.3
		COMPRESSOR CURRENT (A)	15.6	16.7	18.4	19.8	20.6	23.1
		INDOOR COIL DB TEMP RISE (°F)	15	19	28	28	31	35
	1800	LIQUID PRESSURE (PSIG)	297	326	368	405	431	483
		LIQUID TEMPERATURE (°F)	85	80	80	82	83	84
		LIQUID SUBCOOLING (°F)	10	22	31	36	39	47
		SUCTION PRESSURE (PSIG)	47	61	77	91	99	115
		SUCTION TEMPERATURE (°F)	-2	9	19	33	41	56
		SUCTION SUPERHEAT (°F)	-1	0	0	6	10	18
		OUTDOOR UNIT CURRENT (A)	16.7	17.6	19.3	20.6	4.6	23.5
		COMPRESSOR CURRENT (A)	15.3	16.4	18.0	19.3	20.1	22.3
		INDOOR COIL DB TEMP RISE (°F)	13	17	25	25	28	32
	2000	LIQUID PRESSURE (PSIG)	290	318	356	394	419	465
		LIQUID TEMPERATURE (°F)	84	79	79	80	81	83
		LIQUID SUBCOOLING (°F)	10	21	29	36	39	45
		SUCTION PRESSURE (PSIG)	45	60	75	90	98	112
		SUCTION TEMPERATURE (°F)	-3	8	18	32	41	56
		SUCTION SUPERHEAT (°F)	0	-1	0	6	11	19
		OUTDOOR UNIT CURRENT (A)	16.5	17.3	18.8	20.1	20.8	22.7
		COMPRESSOR CURRENT (A)	15.0	16.1	17.5	18.8	19.5	21.4
		INDOOR COIL DB TEMP RISE (°F)	11	15	22	22	24	28