EnergyX® System
Factory Installed Energy Recovery
48/50HCX WeatherMaster® Commercial Rooftop Units
3 to 12.5 Nominal Tons
with Puron® (R−410A) Refrigerant
and *ComfortLINK* Controls

Electrical Data Supplement

FOR MODELS PRODUCED ON OR AFTER MAY 18, 2015 ONLY!

NOTE: Read the entire instruction manual before starting the installation

This supplement only applies to 48/50HCX size 04 to 12 units manufactured on or after May 18, 2015. To confirm the date of manufacture of the unit, locate the unit nameplate and check the first four digits of the Serial Number which is located directly below the unit's Model Number at the top of the nameplate. If the number listed in the first 4 digits of the Serial Number is 2115 or higher KEEP THIS DOCUMENT and use it along with the furnished Installation Instructions.

SERIAL NUMBER NOMENCLATURE

Position:	**1**	**2**	**3**	**4**	5	6	7	8	9	10
Example:	**2**	**1**	**1**	**5**	X	1	2	3	4	5

Week of manufacture (fiscal calendar)

Year of manufacture ("15" = 2015)

Manufacturing location

Sequence number

C150230

SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock or other conditions which may cause personal injury or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product. Refer to the individual instructions packaged with the kits or accessories when installing.

Follow all safety codes. Wear safety glasses and work gloves. Use quenching cloths for brazing operations and have a fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions attached to the unit. Consult local building codes and appropriate national electrical codes (in USA, ANSI/NFPA70, National Electrical Code (NEC); in Canada, CSA C22.1) for special requirements.

It is important to recognize safety information. This is the safety-alert symbol ⚠. When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words DANGER, WARNING, CAUTION, and NOTE. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used to identify unsafe practices, which **may** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

⚠ CAUTION

ELECTRICAL HAZARD

Failure to follow this caution may result in personal injury or product and property damage.

The electrical data contained in this document is only for use with 48/50HCX size 04 to 12 units manufactured on or after May 18, 2015. Check the first 4 digits of the unit's Serial Number (located on the unit's nameplate) if the number listed is 2115 or higher keep this document.

⚠ WARNING

ELECTRICAL SHOCK HAZARD

Failure to follow this warning could cause personal injury or death.

Before performing service or maintenance operations on unit, always turn off main power switch to unit and install lockout tag. Unit may have more than one power switch.

Table 1 – 48HC with ERV: Unit Wire/Fuse or HACR Breaker Sizing Data

UNIT	NOM. V–Ph–Hz	IFM TYPE	NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
			w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
48HC*A04 (1–stage cool)	208/230–1–60	DD–STD	35	50	35	94	35	50	35	94	40	50	41	99	40	50	41	99
		STD	33	45	32	99	33	45	32	99	37	50	38	104	37	50	38	104
		MED	33	45	32	99	33	45	32	99	37	50	38	104	37	50	38	104
	208/230–3–60	DD–STD	27	30	28	88	27	30	28	88	32	40	34	93	32	40	34	93
		STD	25	30	26	100	25	30	26	100	30	40	31	105	30	40	31	105
		MED	25/25	30/30	26/25	117	25/25	30/30	26/25	117	30/30	40/35	31/31	122	30/30	40/35	31/31	122
		HIGH	28/28	35/35	29/29	153	28/28	35/35	29/29	153	33/33	40/40	35/35	158	33/33	40/40	35/35	158
	460–3–60	DD–STD	16	20	16	47	16	20	16	47	18	20	18	49	18	20	18	49
		STD	14	20	14	52	14	20	14	52	17	20	17	54	17	20	17	54
		MED	14	20	14	61	14	20	14	61	16	20	17	63	16	20	17	63
		HIGH	16	20	16	79	16	20	16	79	18	20	19	81	18	20	19	81
	575–3–60	DD–STD	15	20	16	47	15	20	16	47	17	20	18	49	17	20	18	49
		STD	12	15	12	50	12	15	12	50	14	15	14	52	14	15	14	52
		MED	12	15	12	50	12	15	12	50	14	15	14	52	14	15	14	52
		HIGH	13	15	13	54	13	15	13	54	15	20	15	56	15	20	15	56
48HC*A05 (1–stage cool)	208/230–1–60	DD–STD	44	60	44	135	44	60	44	135	49	60	50	140	49	60	50	140
		STD	42	60	41	140	42	60	41	140	47	60	47	145	47	60	47	145
		MED	42	60	41	140	42	60	41	140	47	60	47	145	47	60	47	145
	208/230–3–60	DD–STD	34	45	35	101	34	45	35	101	39	50	41	106	39	50	41	106
		STD	32	45	33	113	32	45	33	113	37	50	38	118	37	50	38	118
		MED	32/32	45/45	33/32	130	32/32	45/45	33/32	130	37/37	50/50	38/38	135	37/37	50/50	38/38	135
		HIGH	35/35	45/45	36/36	166	35/35	45/45	36/36	166	40/40	50/50	42/42	171	40/40	50/50	42/42	171
	460–3–60	DD–STD	17	20	17	51	17	20	17	51	19	25	20	53	19	25	20	53
		STD	16	20	16	56	16	20	16	56	18	20	18	58	18	20	18	58
		MED	15	20	15	65	15	20	15	65	18	20	18	67	18	20	18	67
		HIGH	17	20	17	83	17	20	17	83	19	25	20	85	19	25	20	85
	575–3–60	DD–STD	15	20	16	43	15	20	16	43	17	20	18	45	17	20	18	45
		STD	12	15	12	46	12	15	12	46	14	15	14	48	14	15	14	48
		MED	13	15	13	46	13	15	13	46	14	20	15	48	14	20	15	48
		HIGH	14	15	14	61	14	15	14	61	16	20	16	63	16	20	16	63

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 1 – 48HC with ERV: Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NOM. V–Ph–Hz	IFM TYPE	NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
			w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
48HC*A06 (1–stage cool)	208/230–1–60	DD–STD	48	60	48	152	48	60	48	152	53	60	53	157	53	60	53	157
		STD	46	60	45	157	46	60	45	157	51	60	50	162	51	60	50	162
		MED	48	60	47	182	48	60	47	182	53	60	53	187	53	60	53	187
	208/230–3–60	DD–STD	37	50	38	128	37	50	38	128	42	50	43	133	42	50	43	133
		STD	35	50	35	140	35	50	35	140	40	50	41	145	40	50	41	145
		MED	38/38	50/50	39/39	193	38/38	50/50	39/39	193	43/43	50/50	44/44	198	43/43	50/50	44/44	198
		HIGH	38/38	50/50	39/39	193	38/38	50/50	39/39	193	43/43	50/50	44/44	198	43/43	50/50	44/44	198
	460–3–60	DD–STD	18	20	18	62	18	20	18	62	20	25	21	64	20	25	21	64
		STD	17	20	16	67	17	20	16	67	19	25	19	69	19	25	19	69
		MED	18	20	18	94	18	20	18	94	20	25	21	96	20	25	21	96
		HIGH	18	20	18	94	18	20	18	94	20	25	21	96	20	25	21	96
	575–3–60	DD–STD	16	20	16	50	16	20	16	50	17	20	18	52	17	20	18	52
		STD	13	15	13	53	13	15	13	53	14	20	15	55	14	20	15	55
		MED	14	15	14	57	14	15	14	57	15	20	16	59	15	20	16	59
		HIGH	14	20	15	68	14	20	15	68	16	20	16	70	16	20	16	70
48HC*A07 (1–stage cool)	208/230–3–60	STD	41	60	41	169	41	60	41	169	46	60	47	174	46	60	47	174
		MED	44/44	60/60	45/45	222	44/44	60/60	45/45	222	49/49	60/60	50/50	227	49/49	60/60	50/50	227
		HIGH	50/49	60/60	51/50	238	50/49	60/60	51/50	238	54/54	60/60	56/55	243	54/54	60/60	56/55	243
	460–3–60	STD	19	25	19	83	19	25	19	83	21	25	21	85	21	25	21	85
		MED	20	25	20	110	20	25	20	110	23	30	23	112	23	30	23	112
		HIGH	23	30	23	118	23	30	23	118	25	30	26	120	25	30	26	120
	575–3–60	STD	15	20	15	70	15	20	15	70	17	20	17	72	17	20	17	72
		MED	17	20	17	85	17	20	17	85	18	20	19	87	18	20	19	87
		HIGH	19	25	20	99	19	25	20	99	21	25	22	101	21	25	22	101
48HC*D08 (2–stage cool)	208/230–3–60	STD	51	60	54	203	51	60	54	203	56	60	60	208	56	60	60	208
		MED	53/53	60/60	56/56	241	53/53	60/60	56/56	241	58/58	70/70	62/62	246	58/58	70/70	62/62	246
		HIGH	57	60	61	270	57	60	61	270	61	70	66	275	61	70	66	275
	460–3–60	STD	24	25	25	101	24	25	25	101	26	30	28	103	26	30	28	103
		MED	25	30	26	120	25	30	26	120	27	30	29	122	27	30	29	122
		HIGH	27	30	28	135	27	30	28	135	29	30	31	137	29	30	31	137
	575–3–60	STD	18	20	19	83	18	20	19	83	20	25	21	85	20	25	21	85
		MED	19	20	20	87	19	20	20	87	20	25	22	89	20	25	22	89
		HIGH	19	20	21	98	19	20	21	98	21	25	22	100	21	25	22	100

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 1 – 48HC with ERV: Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NOM. V–Ph–Hz	IFM TYPE	NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
			w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
48HC*D09 (2–stage cool)	208/230–3–60	STD	51	60	55	203	51	60	55	203	56	60	60	208	56	60	60	208
		MED	53/53	60/60	57/56	241	53/53	60/60	57/56	241	58/58	70/70	62/62	246	58/58	70/70	62/62	246
		HIGH	57	60	61	270	57	60	61	270	62	70	66	275	62	70	66	275
	460–3–60	STD	24	30	25	101	24	30	25	101	26	30	28	103	26	30	28	103
		MED	25	30	26	120	25	30	26	120	27	30	29	122	27	30	29	122
		HIGH	27	30	28	135	27	30	28	135	29	35	31	137	29	35	31	137
	575–3–60	STD	20	25	21	83	20	25	21	83	21	25	22	85	21	25	22	85
		MED	20	25	21	87	20	25	21	87	22	25	23	89	22	25	23	89
		HIGH	21	25	22	98	21	25	22	98	22	25	24	100	22	25	24	100
48HC*D11 (2–stage cool)	208/230–3–60	STD	61	70	65	269	61	70	65	269	66	80	70	274	66	80	70	274
		MED	66	80	71	325	66	80	71	325	71	80	77	330	71	80	77	330
		HIGH	69/68	80/80	74/73	327	69/68	80/80	74/73	327	74/73	80/80	80/79	332	74/73	80/80	80/79	332
	460–3–60	STD	28	30	29	129	28	30	29	129	30	35	32	131	30	35	32	131
		MED	31	35	33	157	31	35	33	157	33	35	35	159	33	35	35	159
		HIGH	32	35	34	158	32	35	34	158	34	40	36	160	34	40	36	160
	575–3–60	STD	23	25	24	101	23	25	24	101	25	30	26	103	25	30	26	103
		MED	24	25	25	112	24	25	25	112	25	30	27	114	25	30	27	114
		HIGH	27	30	29	126	27	30	29	126	28	30	31	128	28	30	31	128
48HC*D12 (2–stage cool)	208/230–3–60	STD	60	70	63	294	60	70	63	294	64	70	69	299	64	70	69	299
		MED	65	80	70	350	65	80	70	350	70	80	75	355	70	80	75	355
		HIGH	68/67	80/80	73/72	352	68/67	80/80	73/72	352	73/72	80/80	79/78	357	73/72	80/80	79/78	357
	460–3–60	STD	29	35	31	141	29	35	31	141	31	35	33	143	31	35	33	143
		MED	32	35	34	169	32	35	34	169	34	40	36	171	34	40	36	171
		HIGH	33	35	35	170	33	35	35	170	35	40	37	172	35	40	37	172
	575–3–60	STD	23	25	25	111	23	25	25	111	25	30	27	113	25	30	27	113
		MED	24	30	25	122	24	30	25	122	26	30	27	124	26	30	27	124
		HIGH	27	30	29	136	27	30	29	136	29	30	31	138	29	30	31	138
48HC*D14 (2–stage cool)	208/230–3–60	STD	73	80	77	356	73	80	77	356	78	90	83	361	78	90	83	361
		MED	76	90	81	386	76	90	81	386	81	90	87	391	81	90	87	391
		HIGH	86	100	92	392	86	100	92	392	91	100	98	397	91	100	98	397
	460–3–60	STD	32	35	34	173	32	35	34	173	34	40	36	175	34	40	36	175
		MED	34	40	36	188	34	40	36	188	36	40	38	190	36	40	38	190
		HIGH	39	45	41	191	39	45	41	191	41	50	44	193	41	50	44	193
	575–3–60	STD	27	30	29	145	27	30	29	145	29	35	31	147	29	35	31	147
		MED	27	30	29	145	27	30	29	145	29	35	31	147	29	35	31	147
		HIGH	34	40	36	157	34	40	36	157	36	40	38	159	36	40	38	159

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 2 – 48HC with ERV and Factory Installed HACR Breaker

UNIT	NOM. V–Ph–Hz	IFM TYPE	NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
			w/ ERV, w/o Economizer				w/ ERV, w/o Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
48HC*A04 (1–stage cool)	208/230–1–60	DD–STD	35	50	35	94	35	50	35	94	40	50	41	99	40	50	41	99
		STD	33	45	32	99	33	45	32	99	37	50	38	104	37	50	38	104
		MED	33	45	32	99	33	45	32	99	37	50	38	104	37	50	38	104
	208/230–3–60	DD–STD	27	30	28	88	27	30	28	88	32	40	34	93	32	40	34	93
		STD	25	30	26	100	25	30	26	100	30	40	31	105	30	40	31	105
		MED	25/25	30/30	26/25	117	25/25	30/30	26/25	117	30/30	40/40	31/31	122	30/30	40/40	31/31	122
		HIGH	28/28	35/35	29/29	153	28/28	35/35	29/29	153	33/33	40/40	35/35	158	33/33	40/40	35/35	158
	460–3–60	DD–STD	16	20	16	47	16	20	16	47	18	20	18	49	18	20	18	49
		STD	14	20	14	52	14	20	14	52	17	20	17	54	17	20	17	54
		MED	14	20	14	61	14	20	14	61	16	20	17	63	16	20	17	63
		HIGH	16	20	16	79	16	20	16	79	18	20	19	81	18	20	19	81
	575–3–60	DD–STD	15	20	16	47	15	20	16	47	17	20	18	49	17	20	18	49
		STD	12	15	12	50	12	15	12	50	14	15	14	52	14	15	14	52
		MED	12	15	12	50	12	15	12	50	14	15	14	52	14	15	14	52
		HIGH	13	15	13	54	13	15	13	54	15	20	15	56	15	20	15	56
48HC*A05 (1–stage cool)	208/230–1–60	DD–STD	44	60	44	135	44	60	44	135	49	60	50	140	49	60	50	140
		STD	42	60	41	140	42	60	41	140	47	60	47	145	47	60	47	145
		MED	42	60	41	140	42	60	41	140	47	60	47	145	47	60	47	145
	208/230–3–60	DD–STD	34	45	35	101	34	45	35	101	39	50	41	106	39	50	41	106
		STD	32	45	33	113	32	45	33	113	37	50	38	118	37	50	38	118
		MED	32/32	45/45	33/32	130	32/32	45/45	33/32	130	37/37	50/50	38/38	135	37/37	50/50	38/38	135
		HIGH	35/35	45/45	36/36	166	35/35	45/45	36/36	166	40/40	50/50	42/42	171	40/40	50/50	42/42	171
	460–3–60	DD–STD	17	20	17	51	17	20	17	51	19	25	20	53	19	25	20	53
		STD	16	20	16	56	16	20	16	56	18	20	18	58	18	20	18	58
		MED	15	20	15	65	15	20	15	65	18	20	18	67	18	20	18	67
		HIGH	17	20	17	83	17	20	17	83	19	25	20	85	19	25	20	85
	575–3–60	DD–STD	15	20	16	43	15	20	16	43	17	20	18	45	17	20	18	45
		STD	12	15	12	46	12	15	12	46	14	15	14	48	14	15	14	48
		MED	13	15	13	46	13	15	13	46	14	20	15	48	14	20	15	48
		HIGH	14	15	14	61	14	15	14	61	16	20	16	63	16	20	16	63

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 2 – 48HC with ERV and Factory Installed HACR Breaker (cont)

UNIT	NOM. V–Ph–Hz	IFM TYPE	NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
			w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
48HC*A06 (1–stage cool)	208/230–1–60	DD–STD	48	60	48	152	48	60	48	152	53	60	53	157	53	60	53	157
		STD	46	60	45	157	46	60	45	157	51	60	50	162	51	60	50	162
		MED	48	60	47	182	48	60	47	182	53	60	53	187	53	60	53	187
	208/230–3–60	DD–STD	37	50	38	128	37	50	38	128	42	50	43	133	42	50	43	133
		STD	35	50	35	140	35	50	35	140	40	50	41	145	40	50	41	145
		MED	38/38	50/50	39/39	193	38/38	50/50	39/39	193	43/43	50/50	44/44	198	43/43	50/50	44/44	198
		HIGH	38/38	50/50	39/39	193	38/38	50/50	39/39	193	43/43	50/50	44/44	198	43/43	50/50	44/44	198
	460–3–60	DD–STD	18	20	18	62	18	20	18	62	20	25	21	64	20	25	21	64
		STD	17	20	16	67	17	20	16	67	19	25	19	69	19	25	19	69
		MED	18	20	18	94	18	20	18	94	20	25	21	96	20	25	21	96
		HIGH	18	20	18	94	18	20	18	94	20	25	21	96	20	25	21	96
	575–3–60	DD–STD	16	20	16	50	16	20	16	50	17	20	18	52	17	20	18	52
		STD	13	15	13	53	13	15	13	53	14	20	15	55	14	20	15	55
		MED	14	15	14	57	14	15	14	57	15	20	16	59	15	20	16	59
		HIGH	14	20	15	68	14	20	15	68	16	20	16	70	16	20	16	70
48HC*A07 (1–stage cool)	208/230–3–60	STD	41	60	41	169	41	60	41	169	46	60	47	174	46	60	47	174
		MED	44/44	60/60	45/45	222	44/44	60/60	45/45	222	49/49	60/60	50/50	227	49/49	60/60	50/50	227
		HIGH	50/50	60/60	51/50	238	50/50	60/60	51/50	238	54/54	60/60	56/55	243	54/54	60/60	56/55	243
	460–3–60	STD	19	25	19	83	19	25	19	83	21	25	21	85	21	25	21	85
		MED	20	25	20	110	20	25	20	110	23	30	23	112	23	30	23	112
		HIGH	23	30	23	118	23	30	23	118	25	30	26	120	25	30	26	120
	575–3–60	STD	15	20	15	70	15	20	15	70	17	20	17	72	17	20	17	72
		MED	17	20	17	85	17	20	17	85	18	20	19	87	18	20	19	87
		HIGH	19	25	20	99	19	25	20	99	21	25	22	101	21	25	22	101
48HC*D08 (2–stage cool)	208/230–3–60	STD	51	60	54	203	51	60	54	203	56	60	60	208	56	60	60	208
		MED	53/53	60/60	56/56	241	53/53	60/60	56/56	241	58/58	70/70	62/62	246	58/58	70/70	62/62	246
		HIGH	57	60	61	270	57	60	61	270	61	70	66	275	61	70	66	275
	460–3–60	STD	24	25	25	101	24	25	25	101	26	30	28	103	26	30	28	103
		MED	25	30	26	120	25	30	26	120	27	30	29	122	27	30	29	122
		HIGH	27	30	28	135	27	30	28	135	29	30	31	137	29	30	31	137
	575–3–60	STD	18	20	19	83	18	20	19	83	20	25	21	85	20	25	21	85
		MED	19	20	20	87	19	20	20	87	20	25	22	89	20	25	22	89
		HIGH	19	20	21	98	19	20	21	98	21	25	22	100	21	25	22	100

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 2 – 48HC with ERV and Factory Installed HACR Breaker (cont)

UNIT	NOM. V–Ph–Hz	IFM TYPE	NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
			w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
48HC*D08 (2–stage cool)	208/230–3–60	STD	51	60	54	203	51	60	54	203	56	60	60	208	56	60	60	208
		MED	53/53	60/60	56/56	241	53/53	60/60	56/56	241	58/58	70/70	62/62	246	58/58	70/70	62/62	246
		HIGH	57	60	61	270	57	60	61	270	61	70	66	275	61	70	66	275
	460–3–60	STD	24	25	25	101	24	25	25	101	26	30	28	103	26	30	28	103
		MED	25	30	26	120	25	30	26	120	27	30	29	122	27	30	29	122
		HIGH	27	30	28	135	27	30	28	135	29	30	31	137	29	30	31	137
	575–3–60	STD	18	20	19	83	18	20	19	83	20	25	21	85	20	25	21	85
		MED	19	20	20	87	19	20	20	87	20	25	22	89	20	25	22	89
		HIGH	19	20	21	98	19	20	21	98	21	25	22	100	21	25	22	100
48HC*D09 (2–stage cool)	208/230–3–60	STD	51	60	55	203	51	60	55	203	56	60	60	208	56	60	60	208
		MED	53/53	60/60	57/56	241	53/53	60/60	57/56	241	58/58	70/70	62/62	246	58/58	70/70	62/62	246
		HIGH	57	60	61	270	57	60	61	270	62	70	66	275	62	70	66	275
	460–3–60	STD	24	30	25	101	24	30	25	101	26	30	28	103	26	30	28	103
		MED	25	30	26	120	25	30	26	120	27	30	29	122	27	30	29	122
		HIGH	27	30	28	135	27	30	28	135	29	35	31	137	29	35	31	137
	575–3–60	STD	20	25	21	83	20	25	21	83	21	25	22	85	21	25	22	85
		MED	20	25	21	87	20	25	21	87	22	25	23	89	22	25	23	89
		HIGH	21	25	22	98	21	25	22	98	22	25	24	100	22	25	24	100
48HC*D11 (2–stage cool)	208/230–3–60	STD	61	70	65	269	61	70	65	269	66	80	70	274	66	80	70	274
		MED	66	80	71	325	66	80	71	325	71	80	77	330	71	80	77	330
		HIGH	69/69	80/80	74/73	327	69/69	80/80	74/73	327	74/74	80/80	80/79	332	74/74	80/80	80/79	332
	460–3–60	STD	28	30	29	129	28	30	29	129	30	35	32	131	30	35	32	131
		MED	31	35	33	157	31	35	33	157	33	35	35	159	33	35	35	159
		HIGH	32	35	34	158	32	35	34	158	34	40	36	160	34	40	36	160
	575–3–60	STD	23	25	24	101	23	25	24	101	25	30	26	103	25	30	26	103
		MED	24	25	25	112	24	25	25	112	25	30	27	114	25	30	27	114
		HIGH	27	30	29	126	27	30	29	126	28	30	31	128	28	30	31	128
48HC*D12 (2–stage cool)	208/230–3–60	STD	60	70	63	294	60	70	63	294	64	70	69	299	64	70	69	299
		MED	65	80	70	350	65	80	70	350	70	80	75	355	70	80	75	355
		HIGH	68/68	80/80	73/72	352	68/68	80/80	73/72	352	73/73	80/80	79/78	357	73/73	80/80	79/78	357
	460–3–60	STD	29	35	31	141	29	35	31	141	31	35	33	143	31	35	33	143
		MED	32	35	34	169	32	35	34	169	34	40	36	171	34	40	36	171
		HIGH	33	35	35	170	33	35	35	170	35	40	37	172	35	40	37	172
	575–3–60	STD	23	25	25	111	23	25	25	111	25	30	27	113	25	30	27	113
		MED	24	30	25	122	24	30	25	122	26	30	27	124	26	30	27	124
		HIGH	27	30	29	136	27	30	29	136	29	30	31	138	29	30	31	138

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 3 – 48HC with ERV and Factory Installed 2-Speed Indoor Fan Option

UNIT	NOM. V–Ph–Hz	IFM TYPE	NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
			w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
48HC*D08 (2–stage cool)	208/230–3–60	STD	52/52	60/60	55/55	207	52/52	60/60	55/55	207	57/56	60/60	61/60	212	57/56	60/60	61/60	212
		MED	53/53	60/60	57/56	211	53/53	60/60	57/56	211	58/58	70/70	62/62	216	58/58	70/70	62/62	216
		HIGH	57/56	60/60	61/60	261	57/56	60/60	61/60	261	62/61	70/70	66/65	266	62/61	70/70	66/65	266
	460–3–60	STD	24	30	25	103	24	30	25	103	26	30	28	105	26	30	28	105
		MED	25	30	26	106	25	30	26	106	27	30	29	108	27	30	29	108
		HIGH	26	30	28	131	26	30	28	131	28	30	30	133	28	30	30	133
	575–3–60	STD	19	20	21	85	19	20	21	85	21	25	22	87	21	25	22	87
		MED	20	25	21	89	20	25	21	89	22	25	23	91	22	25	23	91
		HIGH	21	25	22	98	21	25	22	98	23	25	24	100	23	25	24	100
48HC*D09 (2–stage cool)	208/230–3–60	STD	52/52	60/60	55/55	207	52/52	60/60	55/55	207	57/57	60/60	61/61	212	57/57	60/60	61/61	212
		MED	53/53	60/60	57/57	211	53/53	60/60	57/57	211	58/58	70/70	62/62	216	58/58	70/70	62/62	216
		HIGH	57/56	70/60	61/60	261	57/56	70/60	61/60	261	62/61	70/70	67/66	266	62/61	70/70	67/66	266
	460–3–60	STD	24	30	26	103	24	30	26	103	27	30	28	105	27	30	28	105
		MED	25	30	26	106	25	30	26	106	27	30	29	108	27	30	29	108
		HIGH	26	30	28	131	26	30	28	131	29	30	31	133	29	30	31	133
	575–3–60	STD	21	25	22	85	21	25	22	85	22	25	24	87	22	25	24	87
		MED	21	25	23	89	21	25	23	89	23	25	25	91	23	25	25	91
		HIGH	22	25	24	98	22	25	24	98	24	25	26	100	24	25	26	100
48HC*D11 (2–stage cool)	208/230–3–60	STD	63/62	70/70	67/67	266	63/62	70/70	67/67	266	67/67	80/80	73/72	271	67/67	80/80	73/72	271
		MED	66/65	80/80	71/70	316	66/65	80/80	71/70	316	71/70	80/80	77/76	321	71/70	80/80	77/76	321
		HIGH	69/68	80/80	74/73	327	69/68	80/80	74/73	327	74/73	80/80	80/79	332	74/73	80/80	80/79	332
	460–3–60	STD	29	30	30	128	29	30	30	128	31	35	33	130	31	35	33	130
		MED	30	35	32	153	30	35	32	153	32	35	35	155	32	35	35	155
		HIGH	32	35	34	158	32	35	34	158	34	40	36	160	34	40	36	160
	575–3–60	STD	24	30	26	103	24	30	26	103	26	30	28	105	26	30	28	105
		MED	25	30	27	112	25	30	27	112	27	30	29	114	27	30	29	114
		HIGH	27	30	29	126	27	30	29	126	29	35	31	128	29	35	31	128

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 3 – 48HC with ERV and Factory Installed 2-Speed Indoor Fan Option (cont)

UNIT	NOM. V–Ph–Hz	IFM TYPE	NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
			w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
48HC*D12 (2–stage cool)	208/230–3–60	STD	61/61	70/70	66/65	291	61/61	70/70	66/65	291	66/66	80/80	71/71	296	66/66	80/80	71/71	296
		MED	65/64	80/70	70/69	341	65/64	80/70	70/69	341	70/69	80/80	75/74	346	70/69	80/80	75/74	346
		HIGH	68/67	80/80	73/72	352	68/67	80/80	73/72	352	73/72	80/80	79/78	357	73/72	80/80	79/78	357
	460–3–60	STD	30	35	31	140	30	35	31	140	32	35	34	142	32	35	34	142
		MED	31	35	33	165	31	35	33	165	33	40	36	167	33	40	36	167
		HIGH	33	35	35	170	33	35	35	170	35	40	37	172	35	40	37	172
	575–3–60	STD	25	30	26	113	25	30	26	113	26	30	28	115	26	30	28	115
		MED	26	30	27	122	26	30	27	122	27	30	29	124	27	30	29	124
		HIGH	28	30	29	136	28	30	29	136	29	35	31	138	29	35	31	138
48HC*D14 (2–stage cool)	208/230–3–60	STD	74/73	80/80	79/78	353	74/73	80/80	79/78	353	79/78	90/90	84/83	358	79/78	90/90	84/83	358
		MED	76/75	90/80	81/80	377	76/75	90/80	81/80	377	81/80	90/90	87/86	382	81/80	90/90	87/86	382
		HIGH	86	100	92	392	86	100	92	392	91	100	98	397	91	100	98	397
	460–3–60	STD	32	35	34	172	32	35	34	172	34	40	37	174	34	40	37	174
		MED	33	40	35	184	33	40	35	184	35	40	38	186	35	40	38	186
		HIGH	39	45	41	191	39	45	41	191	41	50	44	193	41	50	44	193
	575–3–60	STD	29	35	31	145	29	35	31	145	31	35	33	147	31	35	33	147
		MED	29	35	31	145	29	35	31	145	31	35	33	147	31	35	33	147
		HIGH	34	40	36	157	34	40	36	157	36	40	38	159	36	40	38	159

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 4 – 48HC with ERV, Factory Installed HACR Breaker and 2-Speed Indoor Fan Option

UNIT	NOM. V–Ph–Hz	IFM TYPE	NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
			NO P.E.				w/ P.E. (pwrd fr/ unit)				NO P.E.				w/ P.E. (pwrd fr/ unit)			
			MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
48HC*D08 (2–stage cool)	208/230–3–60	STD	52/52	60/60	55/55	207	52/52	60/60	55/55	207	57/57	60/60	61/60	212	57/57	60/60	61/60	212
		MED	53/53	60/60	57/56	211	53/53	60/60	57/56	211	58/58	70/70	62/62	216	58/58	70/70	62/62	216
		HIGH	57/57	60/60	61/60	261	57/57	60/60	61/60	261	62/62	70/70	66/65	266	62/62	70/70	66/65	266
	460–3–60	STD	24	30	25	103	24	30	25	103	26	30	28	105	26	30	28	105
		MED	25	30	26	106	25	30	26	106	27	30	29	108	27	30	29	108
		HIGH	26	30	28	131	26	30	28	131	28	30	30	133	28	30	30	133
	575–3–60	STD	19	20	21	85	19	20	21	85	21	25	22	87	21	25	22	87
		MED	20	25	21	89	20	25	21	89	22	25	23	91	22	25	23	91
		HIGH	21	25	22	98	21	25	22	98	23	25	24	100	23	25	24	100
48HC*D09 (2–stage cool)	208/230–3–60	STD	52/52	60/60	55/55	207	52/52	60/60	55/55	207	57/57	60/60	61/61	212	57/57	60/60	61/61	212
		MED	53/53	60/60	57/57	211	53/53	60/60	57/57	211	58/58	70/70	62/62	216	58/58	70/70	62/62	216
		HIGH	57/57	70/70	61/60	261	57/57	70/70	61/60	261	62/62	70/70	67/66	266	62/62	70/70	67/66	266
	460–3–60	STD	24	30	26	103	24	30	26	103	27	30	28	105	27	30	28	105
		MED	25	30	26	106	25	30	26	106	27	30	29	108	27	30	29	108
		HIGH	26	30	28	131	26	30	28	131	29	30	31	133	29	30	31	133
	575–3–60	STD	21	25	22	85	21	25	22	85	22	25	24	87	22	25	24	87
		MED	21	25	23	89	21	25	23	89	23	25	25	91	23	25	25	91
		HIGH	22	25	24	98	22	25	24	98	24	25	26	100	24	25	26	100
48HC*D11 (2–stage cool)	208/230–3–60	STD	63/63	70/70	67/67	266	63/63	70/70	67/67	266	67/67	80/80	73/72	271	67/67	80/80	73/72	271
		MED	66/66	80/80	71/70	316	66/66	80/80	71/70	316	71/71	80/80	77/76	321	71/71	80/80	77/76	321
		HIGH	69/69	80/80	74/73	327	69/69	80/80	74/73	327	74/74	80/80	80/79	332	74/74	80/80	80/79	332
	460–3–60	STD	29	30	30	128	29	30	30	128	31	35	33	130	31	35	33	130
		MED	30	35	32	153	30	35	32	153	32	35	35	155	32	35	35	155
		HIGH	32	35	34	158	32	35	34	158	34	40	36	160	34	40	36	160
	575–3–60	STD	24	30	26	103	24	30	26	103	26	30	28	105	26	30	28	105
		MED	25	30	27	112	25	30	27	112	27	30	29	114	27	30	29	114
		HIGH	27	30	29	126	27	30	29	126	29	35	31	128	29	35	31	128

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 4 – 48HC with ERV, Factory Installed HACR Breaker and 2-Speed Indoor Fan Option (cont)

UNIT	NOM. V–Ph–Hz	IFM TYPE	NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
			NO P.E.				w/ P.E. (pwrd fr/ unit)				NO P.E.				w/ P.E. (pwrd fr/ unit)			
			MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
48HC*D12 (2–stage cool)	208/230–3–60	STD	61/61	70/70	66/65	291	61/61	70/70	66/65	291	66/66	80/80	71/71	296	66/66	80/80	71/71	296
		MED	65/65	80/80	70/69	341	65/65	80/80	70/69	341	70/70	80/80	75/74	346	70/70	80/80	75/74	346
		HIGH	68/68	80/80	73/72	352	68/68	80/80	73/72	352	73/73	80/80	79/78	357	73/73	80/80	79/78	357
	460–3–60	STD	30	35	31	140	30	35	31	140	32	35	34	142	32	35	34	142
		MED	31	35	33	165	31	35	33	165	33	40	36	167	33	40	36	167
		HIGH	33	35	35	170	33	35	35	170	35	40	37	172	35	40	37	172
	575–3–60	STD	25	30	26	113	25	30	26	113	26	30	28	115	26	30	28	115
		MED	26	30	27	122	26	30	27	122	27	30	29	124	27	30	29	124
		HIGH	28	30	29	136	28	30	29	136	29	35	31	138	29	35	31	138
48HC*D14 (2–stage cool)	208/230–3–60	STD	74/74	80/80	79/78	353	74/74	80/80	79/78	353	79/79	90/90	84/83	358	79/79	90/90	84/83	358
		MED	76/76	90/90	81/80	377	76/76	90/90	81/80	377	81/81	90/90	87/86	382	81/81	90/90	87/86	382
		HIGH	86	100	92	392	86	100	92	392	91	100	98	397	91	100	98	397
	460–3–60	STD	32	35	34	172	32	35	34	172	34	40	37	174	34	40	37	174
		MED	33	40	35	184	33	40	35	184	35	40	38	186	35	40	38	186
		HIGH	39	45	41	191	39	45	41	191	41	50	44	193	41	50	44	193
	575–3–60	STD	29	35	31	145	29	35	31	145	31	35	33	147	31	35	33	147
		MED	29	35	31	145	29	35	31	145	31	35	33	147	31	35	33	147
		HIGH	34	40	36	157	34	40	36	157	36	40	38	159	36	40	38	159

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 5 – 50HC with Electric Heat and ERV: Unit Wire/Fuse or HACR Breaker Sizing Data

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–A04 (1–stage cool)	208/230–1–60	DD–STD	NONE	–	–	35	50	35	94	35	50	35	94	40	50	41	99	40	50	41	99
			101A	3.3/4.4	15.9/18.3	36/39	50/50	35/36	94/94	36/39	50/50	35/36	94/94	42/45	50/50	41/41	99/99	42/45	50/50	41/41	99/99
			102A	4.9/6.5	23.5/27.1	46/50	50/50	42/46	94/94	46/50	50/50	42/46	94/94	52/56	60/60	47/51	99/99	52/56	60/60	47/51	99/99
			103B	6.5/8.7	31.4/36.3	56/62	60/70	51/57	94/94	56/62	60/70	51/57	94/94	62/68	70/70	56/62	99/99	62/68	70/70	56/62	99/99
			104B	7.9/10.5	37.9/43.8	64/71	70/80	58/65	94/94	64/71	70/80	58/65	94/94	70/77	70/80	64/71	99/99	70/77	70/80	64/71	99/99
			102A+102A	9.8/13.0	46.9/54.2	75/84	80/90	69/77	94/94	75/84	80/90	69/77	94/94	81/90	90/90	74/83	99/99	81/90	90/90	74/83	99/99
		STD	NONE	–	–	33	45	32	99	33	45	32	99	37	50	38	104	37	50	38	104
			101A	3.3/4.4	15.9/18.3	33/36	45/45	32/33	99/99	33/36	45/45	32/33	99/99	39/42	50/50	38/38	104/104	39/42	50/50	38/38	104/104
			102A	4.9/6.5	23.5/27.1	43/47	45/50	39/43	99/99	43/47	45/50	39/43	99/99	49/53	50/60	44/49	104/104	49/53	50/60	44/49	104/104
			103B	6.5/8.7	31.4/36.3	53/59	60/60	48/54	99/99	53/59	60/60	48/54	99/99	59/65	60/70	54/59	104/104	59/65	60/70	54/59	104/104
			104B	7.9/10.5	37.9/43.8	61/68	70/70	56/62	99/99	61/68	70/70	56/62	99/99	67/74	70/80	61/68	104/104	67/74	70/80	61/68	104/104
			102A+102A	9.8/13.0	46.9/54.2	72/81	80/90	66/74	99/99	72/81	80/90	66/74	99/99	78/87	80/90	71/80	104/104	78/87	80/90	71/80	104/104
		MED	NONE	–	–	33	45	32	99	33	45	32	99	37	50	38	104	37	50	38	104
			101A	3.3/4.4	15.9/18.3	33/36	45/45	32/33	99/99	33/36	45/45	32/33	99/99	39/42	50/50	38/38	104/104	39/42	50/50	38/38	104/104
			102A	4.9/6.5	23.5/27.1	43/47	45/50	39/43	99/99	43/47	45/50	39/43	99/99	49/53	50/60	44/49	104/104	49/53	50/60	44/49	104/104
			103B	6.5/8.7	31.4/36.3	53/59	60/60	48/54	99/99	53/59	60/60	48/54	99/99	59/65	60/70	54/59	104/104	59/65	60/70	54/59	104/104
			104B	7.9/10.5	37.9/43.8	61/68	70/70	56/62	99/99	61/68	70/70	56/62	99/99	67/74	70/80	61/68	104/104	67/74	70/80	61/68	104/104
			102A+102A	9.8/13.0	46.9/54.2	72/81	80/90	66/74	99/99	72/81	80/90	66/74	99/99	78/87	80/90	71/80	104/104	78/87	80/90	71/80	104/104
	208/230–3–60	DD–STD	NONE	–	–	27	30	28	88	27	30	28	88	32	40	34	93	32	40	34	93
			101A	3.3/4.4	9.2/10.6	28/30	30/30	28/28	88/88	28/30	30/30	28/28	88/88	34/36	40/40	34/34	93/93	34/36	40/40	34/34	93/93
			102A	4.9/6.5	13.6/15.6	34/36	35/40	31/33	88/88	34/36	35/40	31/33	88/88	40/42	40/45	36/38	93/93	40/42	40/45	36/38	93/93
			103B	6.5/8.7	18.1/20.9	39/43	40/45	36/39	88/88	39/43	40/45	36/39	88/88	45/49	45/50	41/45	93/93	45/49	45/50	41/45	93/93
			104B	7.9/10.5	21.9/25.3	44/48	45/50	40/44	88/88	44/48	45/50	40/44	88/88	50/54	50/60	46/50	93/93	50/54	50/60	46/50	93/93
			105A	12.0/16.0	33.4/38.5	58/65	60/70	53/59	88/88	58/65	60/70	53/59	88/88	64/71	70/80	59/65	93/93	64/71	70/80	59/65	93/93
		STD	NONE	–	–	25	30	26	100	25	30	26	100	30	40	31	105	30	40	31	105
			101A	3.3/4.4	9.2/10.6	25/27	30/30	26/26	100/100	25/27	30/30	26/26	100/100	31/33	40/40	31/31	105/105	31/33	40/40	31/31	105/105
			102A	4.9/6.5	13.6/15.6	31/33	35/35	28/30	100/100	31/33	35/35	28/30	100/100	37/39	40/40	34/36	105/105	37/39	40/40	34/36	105/105
			103B	6.5/8.7	18.1/20.9	37/40	40/40	33/36	100/100	37/40	40/40	33/36	100/100	43/46	45/50	39/42	105/105	43/46	45/50	39/42	105/105
			104B	7.9/10.5	21.9/25.3	41/46	45/50	38/42	100/100	41/46	45/50	38/42	100/100	47/52	50/60	43/47	105/105	47/52	50/60	43/47	105/105
			105A	12.0/16.0	33.4/38.5	56/62	60/70	51/57	100/100	56/62	60/70	51/57	100/100	62/68	70/70	56/62	105/105	62/68	70/70	56/62	105/105
		MED	NONE	–	–	25/25	30/30	26/25	117	25/25	30/30	26/25	117	30/30	40/35	31/31	122	30/30	40/35	31/31	122
			101A	3.3/4.4	9.2/10.6	25/27	30/30	26/25	117/117	25/27	30/30	26/25	117/117	31/33	40/35	31/31	122/122	31/33	40/35	31/31	122/122
			102A	4.9/6.5	13.6/15.6	31/33	35/35	28/30	117/117	31/33	35/35	28/30	117/117	37/39	40/40	34/36	122/122	37/39	40/40	34/36	122/122
			103B	6.5/8.7	18.1/20.9	37/40	40/40	33/36	117/117	37/40	40/40	33/36	117/117	43/46	45/50	39/42	122/122	43/46	45/50	39/42	122/122
			104B	7.9/10.5	21.9/25.3	41/45	45/45	38/41	117/117	41/45	45/45	38/41	117/117	47/51	50/60	43/47	122/122	47/51	50/60	43/47	122/122
			105A	12.0/16.0	33.4/38.5	56/62	60/70	51/56	117/117	56/62	60/70	51/56	117/117	62/68	70/70	56/62	122/122	62/68	70/70	56/62	122/122
		HIGH	NONE	–	–	28/28	35/35	29/29	153	28/28	35/35	29/29	153	33/33	40/40	35/35	158	33/33	40/40	35/35	158
			101A	3.3/4.4	9.2/10.6	29/31	35/35	29/29	153/153	29/31	35/35	29/29	153/153	35/37	40/40	35/35	158/158	35/37	40/40	35/35	158/158
			102A	4.9/6.5	13.6/15.6	35/37	35/40	32/34	153/153	35/37	35/40	32/34	153/153	41/43	45/45	37/39	158/158	41/43	45/45	37/39	158/158
			103B	6.5/8.7	18.1/20.9	41/44	45/45	37/40	153/153	41/44	45/45	37/40	153/153	47/50	50/50	42/46	158/158	47/50	50/50	42/46	158/158
			104B	7.9/10.5	21.9/25.3	45/49	45/50	41/45	153/153	45/49	45/50	41/45	153/153	51/55	60/60	47/51	158/158	51/55	60/60	47/51	158/158
			105A	12.0/16.0	33.4/38.5	60/66	60/70	55/60	153/153	60/66	60/70	55/60	153/153	66/72	70/80	60/66	158/158	66/72	70/80	60/66	158/158

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 5 - 50HC with Electric Heat and ERV: Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–A04 (1–stage cool)	460–3–60	DD–STD	NONE	–	–	16	20	16	47	16	20	16	47	18	20	18	49	18	20	18	49
			106A	6.0	7.2	19	20	17	47	19	20	17	47	22	25	19	49	22	25	19	49
			107A	8.8	10.6	23	25	21	47	23	25	21	47	26	30	23	49	26	30	23	49
			108A	11.5	13.8	27	30	24	47	27	30	24	47	30	30	27	49	30	30	27	49
			109A	14.0	16.8	31	35	28	47	31	35	28	47	34	35	30	49	34	35	30	49
		STD	NONE	–	–	14	20	14	52	14	20	14	52	17	20	17	54	17	20	17	54
			106A	6.0	7.2	17	20	15	52	17	20	15	52	20	20	18	54	20	20	18	54
			107A	8.8	10.6	21	25	19	52	21	25	19	52	24	25	22	54	24	25	22	54
			108A	11.5	13.8	25	25	23	52	25	25	23	52	28	30	25	54	28	30	25	54
			109A	14.0	16.8	29	30	26	52	29	30	26	52	32	35	29	54	32	35	29	54
		MED	NONE	–	–	14	20	14	61	14	20	14	61	16	20	17	63	16	20	17	63
			106A	6.0	7.2	17	20	15	61	17	20	15	61	20	20	18	63	20	20	18	63
			107A	8.8	10.6	21	25	19	61	21	25	19	61	24	25	22	63	24	25	22	63
			108A	11.5	13.8	25	25	23	61	25	25	23	61	28	30	25	63	28	30	25	63
			109A	14.0	16.8	29	30	26	61	29	30	26	61	32	35	29	63	32	35	29	63
		HIGH	NONE	–	–	16	20	16	79	16	20	16	79	18	20	19	81	18	20	19	81
			106A	6.0	7.2	19	20	17	79	19	20	17	79	22	25	20	81	22	25	20	81
			107A	8.8	10.6	23	25	21	79	23	25	21	79	26	30	24	81	26	30	24	81
			108A	11.5	13.8	27	30	25	79	27	30	25	79	30	30	27	81	30	30	27	81
			109A	14.0	16.8	31	35	28	79	31	35	28	79	34	35	31	81	34	35	31	81
	575–3–60	DD–STD	NONE	–	–	15	20	16	47	15	20	16	47	17	20	18	49	17	20	18	49
			297A	9.2	9.2	24	25	21	47	24	25	21	47	26	30	23	49	26	30	23	49
			298A	13.8	13.8	29	30	27	47	29	30	27	47	31	35	28	49	31	35	28	49
		STD	NONE	–	–	12	15	12	50	12	15	12	50	14	15	14	52	14	15	14	52
			297A	9.2	9.2	20	20	18	50	20	20	18	50	22	25	20	52	22	25	20	52
			298A	13.8	13.8	26	30	23	50	26	30	23	50	28	30	25	52	28	30	25	52
		MED	NONE	–	–	12	15	12	50	12	15	12	50	14	15	14	52	14	15	14	52
			297A	9.2	9.2	20	20	18	50	20	20	18	50	22	25	20	52	22	25	20	52
			298A	13.8	13.8	26	30	23	50	26	30	23	50	28	30	25	52	28	30	25	52
		HIGH	NONE	–	–	13	15	13	54	13	15	13	54	15	20	15	56	15	20	15	56
			297A	9.2	9.2	21	25	19	54	21	25	19	54	23	25	21	56	23	25	21	56
			298A	13.8	13.8	27	30	24	54	27	30	24	54	29	30	26	56	29	30	26	56

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 5 - 50HC with Electric Heat and ERV: Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–A05 (1–stage cool)	208/230–1–60	DD–STD	NONE	–	–	44	60	44	135	44	60	44	135	49	60	50	140	49	60	50	140
			101A	3.3/4.4	15.9/18.3	44/44	60/60	44/44	135/135	44/44	60/60	44/44	135/135	49/49	60/60	50/50	140/140	49/49	60/60	50/50	140/140
			103B	6.5/8.7	31.4/36.3	59/65	60/70	54/59	135/135	59/65	60/70	54/59	135/135	65/71	70/80	59/65	140/140	65/71	70/80	59/65	140/140
			102A+102A	9.8/13.0	46.9/54.2	78/87	80/90	71/80	135/135	78/87	80/90	71/80	135/135	84/93	90/100	77/85	140/140	84/93	90/100	77/85	140/140
			103B+103B	13.1/17.4	62.8/72.5	98/110	100/110	90/101	135/135	98/110	100/110	90/101	135/135	104/116	110/125	95/106	140/140	104/116	110/125	95/106	140/140
			104B+104B	15.8/21.0	75.8/87.5	114/129	125/150	105/118	135/135	114/129	125/150	105/118	135/135	120/135	125/150	110/124	140/140	120/135	125/150	110/124	140/140
		STD	NONE	–	–	42	60	41	140	42	60	41	140	47	60	47	145	47	60	47	145
			101A	3.3/4.4	15.9/18.3	42/42	60/60	41/41	140/140	42/42	60/60	41/41	140/140	47/47	60/60	47/47	145/145	47/47	60/60	47/47	145/145
			103B	6.5/8.7	31.4/36.3	56/62	60/70	51/56	140/140	56/62	60/70	51/56	140/140	62/68	70/70	56/62	145/145	62/68	70/70	56/62	145/145
			102A+102A	9.8/13.0	46.9/54.2	75/84	80/90	68/77	140/140	75/84	80/90	68/77	140/140	81/90	90/90	74/82	145/145	81/90	90/90	74/82	145/145
			103B+103B	13.1/17.4	62.8/72.5	95/107	100/110	87/98	140/140	95/107	100/110	87/98	140/140	101/113	110/125	92/103	145/145	101/113	110/125	92/103	145/145
			104B+104B	15.8/21.0	75.8/87.5	111/126	125/150	102/115	140/140	111/126	125/150	102/115	140/140	117/132	125/150	107/121	145/145	117/132	125/150	107/121	145/145
		MED	NONE	–	–	42	60	41	140	42	60	41	140	47	60	47	145	47	60	47	145
			101A	3.3/4.4	15.9/18.3	42/42	60/60	41/41	140/140	42/42	60/60	41/41	140/140	47/47	60/60	47/47	145/145	47/47	60/60	47/47	145/145
			103B	6.5/8.7	31.4/36.3	56/62	60/70	51/56	140/140	56/62	60/70	51/56	140/140	62/68	70/70	56/62	145/145	62/68	70/70	56/62	145/145
			102A+102A	9.8/13.0	46.9/54.2	75/84	80/90	68/77	140/140	75/84	80/90	68/77	140/140	81/90	90/90	74/82	145/145	81/90	90/90	74/82	145/145
			103B+103B	13.1/17.4	62.8/72.5	95/107	100/110	87/98	140/140	95/107	100/110	87/98	140/140	101/113	110/125	92/103	145/145	101/113	110/125	92/103	145/145
			104B+104B	15.8/21.0	75.8/87.5	111/126	125/150	102/115	140/140	111/126	125/150	102/115	140/140	117/132	125/150	107/121	145/145	117/132	125/150	107/121	145/145
	208/230–3–60	DD–STD	NONE	–	–	34	45	35	101	34	45	35	101	39	50	41	106	39	50	41	106
			102A	4.9/6.5	13.6/15.6	37/39	45/45	35/36	101/101	37/39	45/45	35/36	101/101	43/45	50/50	41/41	106/106	43/45	50/50	41/41	106/106
			103B	6.5/8.7	18.1/20.9	42/46	45/50	39/42	101/101	42/46	45/50	39/42	101/101	48/52	50/60	44/47	106/106	48/52	50/60	44/47	106/106
			105A	12.0/16.0	33.4/38.5	62/68	70/70	56/62	101/101	62/68	70/70	56/62	101/101	68/74	70/80	62/68	106/106	68/74	70/80	62/68	106/106
			104B+104B	15.8/21.0	43.8/50.5	75/83	80/90	68/76	101/101	75/83	80/90	68/76	101/101	81/89	90/90	74/81	106/106	81/89	90/90	74/81	106/106
		STD	NONE	–	–	32	45	33	113	32	45	33	113	37	50	38	118	37	50	38	118
			102A	4.9/6.5	13.6/15.6	34/37	45/45	33/33	113/113	34/37	45/45	33/33	113/113	40/43	50/50	38/39	118/118	40/43	50/50	38/39	118/118
			103B	6.5/8.7	18.1/20.9	40/43	45/45	36/39	113/113	40/43	45/45	36/39	113/113	46/49	50/50	42/45	118/118	46/49	50/50	42/45	118/118
			105A	12.0/16.0	33.4/38.5	59/65	60/70	54/60	113/113	59/65	60/70	54/60	113/113	65/71	70/80	59/65	118/118	65/71	70/80	59/65	118/118
			104B+104B	15.8/21.0	43.8/50.5	72/80	80/80	66/73	113/113	72/80	80/80	66/73	113/113	78/86	80/90	71/79	118/118	78/86	80/90	71/79	118/118
		MED	NONE	–	–	32/32	45/45	33/32	130	32/32	45/45	33/32	130	37/37	50/50	38/38	135	37/37	50/50	38/38	135
			102A	4.9/6.5	13.6/15.6	34/36	45/45	33/33	130/130	34/36	45/45	33/33	130/130	40/42	50/50	38/38	135/135	40/42	50/50	38/38	135/135
			103B	6.5/8.7	18.1/20.9	40/43	45/45	36/39	130/130	40/43	45/45	36/39	130/130	46/49	50/50	42/44	135/135	46/49	50/50	42/44	135/135
			105A	12.0/16.0	33.4/38.5	59/65	60/70	54/59	130/130	59/65	60/70	54/59	130/130	65/71	70/80	59/65	135/135	65/71	70/80	59/65	135/135
			104B+104B	15.8/21.0	43.8/50.5	72/80	80/80	66/73	130/130	72/80	80/80	66/73	130/130	78/86	80/90	71/79	135/135	78/86	80/90	71/79	135/135
		HIGH	NONE	–	–	35/35	45/45	36/36	166	35/35	45/45	36/36	166	40/40	50/50	42/42	171	40/40	50/50	42/42	171
			102A	4.9/6.5	13.6/15.6	38/40	45/45	36/37	166/166	38/40	45/45	36/37	166/166	44/46	50/50	42/42	171/171	44/46	50/50	42/42	171/171
			103B	6.5/8.7	18.1/20.9	44/47	45/50	40/43	166/166	44/47	45/50	40/43	166/166	50/53	50/60	45/48	171/171	50/53	50/60	45/48	171/171
			105A	12.0/16.0	33.4/38.5	63/69	70/70	57/63	166/166	63/69	70/70	57/63	166/166	69/75	70/80	63/69	171/171	69/75	70/80	63/69	171/171
			104B+104B	15.8/21.0	43.8/50.5	76/84	80/90	69/77	166/166	76/84	80/90	69/77	166/166	82/90	90/90	75/82	171/171	82/90	90/90	75/82	171/171

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 5 - 50HC with Electric Heat and ERV: Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–A05 (1–stage cool)	460–3–60	DD–STD	NONE	–	–	17	20	17	51	17	20	17	51	19	25	20	53	19	25	20	53
			106A	6.0	7.2	19	20	17	51	19	20	17	51	22	25	20	53	22	25	20	53
			108A	11.5	13.8	27	30	25	51	27	30	25	51	30	30	27	53	30	30	27	53
			109A	14.0	16.8	31	35	28	51	31	35	28	51	34	35	31	53	34	35	31	53
			108A+108A	23.0	27.7	45	45	41	51	45	45	41	51	48	50	43	53	48	50	43	53
		STD	NONE	–	–	16	20	16	56	16	20	16	56	18	20	18	58	18	20	18	58
			106A	6.0	7.2	17	20	16	56	17	20	16	56	20	20	18	58	20	20	18	58
			108A	11.5	13.8	26	30	23	56	26	30	23	56	28	30	26	58	28	30	26	58
			109A	14.0	16.8	29	30	27	56	29	30	27	56	32	35	29	58	32	35	29	58
			108A+108A	23.0	27.7	43	45	39	56	43	45	39	56	46	50	42	58	46	50	42	58
		MED	NONE	–	–	15	20	15	65	15	20	15	65	18	20	18	67	18	20	18	67
			106A	6.0	7.2	17	20	16	65	17	20	16	65	20	20	18	67	20	20	18	67
			108A	11.5	13.8	26	30	23	65	26	30	23	65	28	30	26	67	28	30	26	67
			109A	14.0	16.8	29	30	27	65	29	30	27	65	32	35	29	67	32	35	29	67
			108A+108A	23.0	27.7	43	45	39	65	43	45	39	65	46	50	42	67	46	50	42	67
		HIGH	NONE	–	–	17	20	17	83	17	20	17	83	19	25	20	85	19	25	20	85
			106A	6.0	7.2	19	20	18	83	19	20	18	83	22	25	20	85	22	25	20	85
			108A	11.5	13.8	28	30	25	83	28	30	25	83	30	35	28	85	30	35	28	85
			109A	14.0	16.8	31	35	29	83	31	35	29	83	34	35	31	85	34	35	31	85
			108A+108A	23.0	27.7	45	45	41	83	45	45	41	83	48	50	44	85	48	50	44	85
	575–3–60	DD–STD	NONE	–	–	15	20	16	43	15	20	16	43	17	20	18	45	17	20	18	45
			297A	9.2	9.2	22	25	20	43	22	25	20	43	24	25	22	45	24	25	22	45
			298A	13.8	13.8	27	30	25	43	27	30	25	43	30	30	27	45	30	30	27	45
		STD	NONE	–	–	12	15	12	46	12	15	12	46	14	15	14	48	14	15	14	48
			297A	9.2	9.2	18	20	16	46	18	20	16	46	20	20	18	48	20	20	18	48
			298A	13.8	13.8	24	25	22	46	24	25	22	46	26	30	24	48	26	30	24	48
		MED	NONE	–	–	13	15	13	46	13	15	13	46	14	20	15	48	14	20	15	48
			297A	9.2	9.2	19	20	17	46	19	20	17	46	21	25	19	48	21	25	19	48
			298A	13.8	13.8	24	25	22	46	24	25	22	46	27	30	24	48	27	30	24	48
		HIGH	NONE	–	–	14	15	14	61	14	15	14	61	16	20	16	63	16	20	16	63
			297A	9.2	9.2	20	20	18	61	20	20	18	61	22	25	20	63	22	25	20	63
			298A	13.8	13.8	26	30	23	61	26	30	23	61	28	30	25	63	28	30	25	63

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 5 - 50HC with Electric Heat and ERV: Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–A06 (1–stage cool)	208/230–1–60	DD–STD	NONE	–	–	48	60	48	152	48	60	48	152	53	60	53	157	53	60	53	157
			102A	4.9/6.5	23.5/27.1	49/53	60/60	48/49	152/152	49/53	60/60	48/49	152/152	55/59	60/60	53/54	157/157	55/59	60/60	53/54	157/157
			103B	6.5/8.7	31.4/36.3	59/65	60/70	54/59	152/152	59/65	60/70	54/59	152/152	65/71	70/80	59/65	157/157	65/71	70/80	59/65	157/157
			102A+102A	9.8/13.0	46.9/54.2	78/87	80/90	71/80	152/152	78/87	80/90	71/80	152/152	84/93	90/100	77/85	157/157	84/93	90/100	77/85	157/157
			103B+103B	13.1/17.4	62.8/72.5	98/110	100/110	90/101	152/152	98/110	100/110	90/101	152/152	104/116	110/125	95/106	157/157	104/116	110/125	95/106	157/157
			104B+104B	15.8/21.0	75.8/87.5	114/129	125/150	105/118	152/152	114/129	125/150	105/118	152/152	120/135	125/150	110/124	157/157	120/135	125/150	110/124	157/157
		STD	NONE	–	–	46	60	45	157	46	60	45	157	51	60	50	162	51	60	50	162
			102A	4.9/6.5	23.5/27.1	46/50	60/60	45/46	157/157	46/50	60/60	45/46	157/157	52/56	60/60	50/51	162/162	52/56	60/60	50/51	162/162
			103B	6.5/8.7	31.4/36.3	56/62	60/70	51/56	157/157	56/62	60/70	51/56	157/157	62/68	70/70	56/62	162/162	62/68	70/70	56/62	162/162
			102A+102A	9.8/13.0	46.9/54.2	75/84	80/90	68/77	157/157	75/84	80/90	68/77	157/157	81/90	90/90	74/82	162/162	81/90	90/90	74/82	162/162
			103B+103B	13.1/17.4	62.8/72.5	95/107	100/110	87/98	157/157	95/107	100/110	87/98	157/157	101/113	110/125	92/103	162/162	101/113	110/125	92/103	162/162
			104B+104B	15.8/21.0	75.8/87.5	111/126	125/150	102/115	157/157	111/126	125/150	102/115	157/157	117/132	125/150	107/121	162/162	117/132	125/150	107/121	162/162
		MED	NONE	–	–	48	60	47	182	48	60	47	182	53	60	53	187	53	60	53	187
			102A	4.9/6.5	23.5/27.1	48/53	60/60	47/48	182/182	48/53	60/60	47/48	182/182	54/59	60/60	53/54	187/187	54/59	60/60	53/54	187/187
			103B	6.5/8.7	31.4/36.3	58/64	60/70	53/59	182/182	58/64	60/70	53/59	182/182	64/70	70/70	59/64	187/187	64/70	70/70	59/64	187/187
			102A+102A	9.8/13.0	46.9/54.2	78/87	80/90	71/79	182/182	78/87	80/90	71/79	182/182	84/93	90/100	76/85	187/187	84/93	90/100	76/85	187/187
			103B+103B	13.1/17.4	62.8/72.5	97/110	100/110	89/100	182/182	97/110	100/110	89/100	182/182	103/116	110/125	95/106	187/187	103/116	110/125	95/106	187/187
			104B+104B	15.8/21.0	75.8/87.5	114/128	125/150	104/118	182/182	114/128	125/150	104/118	182/182	120/134	125/150	110/123	187/187	120/134	125/150	110/123	187/187
	208/230–3–60	DD–STD	NONE	–	–	37	50	38	128	37	50	38	128	42	50	43	133	42	50	43	133
			102A	4.9/6.5	13.6/15.6	37/39	50/50	38/38	128/128	37/39	50/50	38/38	128/128	43/45	50/50	43/43	133/133	43/45	50/50	43/43	133/133
			104B	7.9/10.5	21.9/25.3	47/51	50/60	43/47	128/128	47/51	50/60	43/47	128/128	53/57	60/60	49/52	133/133	53/57	60/60	49/52	133/133
			105A	12.0/16.0	33.4/38.5	62/68	70/70	56/62	128/128	62/68	70/70	56/62	128/128	68/74	70/80	62/68	133/133	68/74	70/80	62/68	133/133
			104B+104B	15.8/21.0	43.8/50.5	75/83	80/90	68/76	128/128	75/83	80/90	68/76	128/128	81/89	90/90	74/81	133/133	81/89	90/90	74/81	133/133
			104B+105A	19.9/26.5	55.2/63.8	89/100	90/100	81/91	128/128	89/100	90/100	81/91	128/128	95/106	100/110	87/97	133/133	95/106	100/110	87/97	133/133
		STD	NONE	–	–	35	50	35	140	35	50	35	140	40	50	41	145	40	50	41	145
			102A	4.9/6.5	13.6/15.6	35/37	50/50	35/35	140/140	35/37	50/50	35/35	140/140	40/43	50/50	41/41	145/145	40/43	50/50	41/41	145/145
			104B	7.9/10.5	21.9/25.3	44/49	50/50	40/44	140/140	44/49	50/50	40/44	140/140	50/55	50/60	46/50	145/145	50/55	50/60	46/50	145/145
			105A	12.0/16.0	33.4/38.5	59/65	60/70	54/60	140/140	59/65	60/70	54/60	140/140	65/71	70/80	59/65	145/145	65/71	70/80	59/65	145/145
			104B+104B	15.8/21.0	43.8/50.5	72/80	80/80	66/73	140/140	72/80	80/80	66/73	140/140	78/86	80/90	71/79	145/145	78/86	80/90	71/79	145/145
			104B+105A	19.9/26.5	55.2/63.8	86/97	90/100	79/89	140/140	86/97	90/100	79/89	140/140	92/103	100/110	84/94	145/145	92/103	100/110	84/94	145/145
		MED	NONE	–	–	38/38	50/50	39/39	193	38/38	50/50	39/39	193	43/43	50/50	44/44	198	43/43	50/50	44/44	198
			102A	4.9/6.5	13.6/15.6	38/40	50/50	39/39	193/193	38/40	50/50	39/39	193/193	44/46	50/50	44/44	198/198	44/46	50/50	44/44	198/198
			104B	7.9/10.5	21.9/25.3	48/53	50/60	44/48	193/193	48/53	50/60	44/48	193/193	54/59	60/60	50/53	198/198	54/59	60/60	50/53	198/198
			105A	12.0/16.0	33.4/38.5	63/69	70/70	57/63	193/193	63/69	70/70	57/63	193/193	69/75	70/80	63/69	198/198	69/75	70/80	63/69	198/198
			104B+104B	15.8/21.0	43.8/50.5	76/84	80/90	69/77	193/193	76/84	80/90	69/77	193/193	82/90	90/90	75/82	198/198	82/90	90/90	75/82	198/198
			104B+105A	19.9/26.5	55.2/63.8	90/101	90/110	82/92	193/193	90/101	90/110	82/92	193/193	96/107	100/110	88/98	198/198	96/107	100/110	88/98	198/198
		HIGH	NONE	–	–	38/38	50/50	39/39	193	38/38	50/50	39/39	193	43/43	50/50	44/44	198	43/43	50/50	44/44	198
			102A	4.9/6.5	13.6/15.6	38/40	50/50	39/39	193/193	38/40	50/50	39/39	193/193	44/46	50/50	44/44	198/198	44/46	50/50	44/44	198/198
			104B	7.9/10.5	21.9/25.3	48/53	50/60	44/48	193/193	48/53	50/60	44/48	193/193	54/59	60/60	50/53	198/198	54/59	60/60	50/53	198/198
			105A	12.0/16.0	33.4/38.5	63/69	70/70	57/63	193/193	63/69	70/70	57/63	193/193	69/75	70/80	63/69	198/198	69/75	70/80	63/69	198/198
			104B+104B	15.8/21.0	43.8/50.5	76/84	80/90	69/77	193/193	76/84	80/90	69/77	193/193	82/90	90/90	75/82	198/198	82/90	90/90	75/82	198/198
			104B+105A	19.9/26.5	55.2/63.8	90/101	90/110	82/92	193/193	90/101	90/110	82/92	193/193	96/107	100/110	88/98	198/198	96/107	100/110	88/98	198/198

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 5 - 50HC with Electric Heat and ERV: Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–A06 (1–stage cool)	460–3–60	DD–STD	NONE	–	–	18	20	18	62	18	20	18	62	20	25	21	64	20	25	21	64
			106A	6.0	7.2	19	20	18	62	19	20	18	62	22	25	21	64	22	25	21	64
			108A	11.5	13.8	27	30	25	62	27	30	25	62	30	30	27	64	30	30	27	64
			109A	14.0	16.8	31	35	28	62	31	35	28	62	34	35	31	64	34	35	31	64
			108A+108A	23.0	27.7	45	45	41	62	45	45	41	62	48	50	43	64	48	50	43	64
			108A+109A	25.5	30.7	49	50	44	62	49	50	44	62	51	60	47	64	51	60	47	64
		STD	NONE	–	–	17	20	16	67	17	20	16	67	19	25	19	69	19	25	19	69
			106A	6.0	7.2	17	20	16	67	17	20	16	67	20	25	19	69	20	25	19	69
			108A	11.5	13.8	26	30	23	67	26	30	23	67	28	30	26	69	28	30	26	69
			109A	14.0	16.8	29	30	27	67	29	30	27	67	32	35	29	69	32	35	29	69
			108A+108A	23.0	27.7	43	45	39	67	43	45	39	67	46	50	42	69	46	50	42	69
			108A+109A	25.5	30.7	47	50	43	67	47	50	43	67	50	50	45	69	50	50	45	69
		MED	NONE	–	–	18	20	18	94	18	20	18	94	20	25	21	96	20	25	21	96
			106A	6.0	7.2	19	20	18	94	19	20	18	94	22	25	21	96	22	25	21	96
			108A	11.5	13.8	28	30	25	94	28	30	25	94	30	35	28	96	30	35	28	96
			109A	14.0	16.8	31	35	29	94	31	35	29	94	34	35	31	96	34	35	31	96
			108A+108A	23.0	27.7	45	45	41	94	45	45	41	94	48	50	44	96	48	50	44	96
			108A+109A	25.5	30.7	49	50	45	94	49	50	45	94	52	60	47	96	52	60	47	96
		HIGH	NONE	–	–	18	20	18	94	18	20	18	94	20	25	21	96	20	25	21	96
			106A	6.0	7.2	19	20	18	94	19	20	18	94	22	25	21	96	22	25	21	96
			108A	11.5	13.8	28	30	25	94	28	30	25	94	30	35	28	96	30	35	28	96
			109A	14.0	16.8	31	35	29	94	31	35	29	94	34	35	31	96	34	35	31	96
			108A+108A	23.0	27.7	45	45	41	94	45	45	41	94	48	50	44	96	48	50	44	96
			108A+109A	25.5	30.7	49	50	45	94	49	50	45	94	52	60	47	96	52	60	47	96
	575–3–60	DD–STD	NONE	–	–	16	20	16	50	16	20	16	50	17	20	18	52	17	20	18	52
			298A	13.8	13.8	27	30	25	50	27	30	25	50	30	30	27	52	30	30	27	52
			301A	23.0	23.1	39	40	36	50	39	40	36	50	41	45	38	52	41	45	38	52
		STD	NONE	–	–	13	15	13	53	13	15	13	53	14	20	15	55	14	20	15	55
			298A	13.8	13.8	24	25	22	53	24	25	22	53	26	30	24	55	26	30	24	55
			301A	23.0	23.1	36	40	32	53	36	40	32	53	38	40	34	55	38	40	34	55
		MED	NONE	–	–	14	15	14	57	14	15	14	57	15	20	16	59	15	20	16	59
			298A	13.8	13.8	25	25	23	57	25	25	23	57	27	30	25	59	27	30	25	59
			301A	23.0	23.1	37	40	33	57	37	40	33	57	39	40	35	59	39	40	35	59
		HIGH	NONE	–	–	14	20	15	68	14	20	15	68	16	20	16	70	16	20	16	70
			298A	13.8	13.8	26	30	23	68	26	30	23	68	28	30	25	70	28	30	25	70
			301A	23.0	23.1	38	40	34	68	38	40	34	68	40	40	36	70	40	40	36	70

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 5 - 50HC with Electric Heat and ERV: Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–A07 (1–stage cool)	208/230–3–60	STD	NONE	–	–	41	60	41	169	41	60	41	169	46	60	47	174	46	60	47	174
			264A	4.9/6.5	13.6/15.6	41/41	60/60	41/41	169/169	41/41	60/60	41/41	169/169	46/46	60/60	47/47	174/174	46/46	60/60	47/47	174/174
			117A	7.8/10.4	21.7/25.0	44/48	60/60	41/44	169/169	44/48	60/60	41/44	169/169	50/54	60/60	47/50	174/174	50/54	60/60	47/50	174/174
			110A	12.0/16.0	33.4/38.5	59/65	60/70	54/60	169/169	59/65	60/70	54/60	169/169	65/71	70/80	59/65	174/174	65/71	70/80	59/65	174/174
			117A+117A	15.8/21.0	43.8/50.5	72/80	80/80	66/73	169/169	72/80	80/80	66/73	169/169	78/86	80/90	71/79	174/174	78/86	80/90	71/79	174/174
			110A+117A	19.9/26.5	55.2/63.8	86/97	90/100	79/89	169/169	86/97	90/100	79/89	169/169	92/103	100/110	84/94	174/174	92/103	100/110	84/94	174/174
		MED	NONE	–	–	44/44	60/60	45/45	222	44/44	60/60	45/45	222	49/49	60/60	50/50	227	49/49	60/60	50/50	227
			264A	4.9/6.5	13.6/15.6	44/44	60/60	45/45	222/222	44/44	60/60	45/45	222/222	49/49	60/60	50/50	227/227	49/49	60/60	50/50	227/227
			117A	7.8/10.4	21.7/25.0	48/52	60/60	45/48	222/222	48/52	60/60	45/48	222/222	54/58	60/60	50/53	227/227	54/58	60/60	50/53	227/227
			110A	12.0/16.0	33.4/38.5	63/69	70/70	57/63	222/222	63/69	70/70	57/63	222/222	69/75	70/80	63/69	227/227	69/75	70/80	63/69	227/227
			117A+117A	15.8/21.0	43.8/50.5	76/84	80/90	69/77	222/222	76/84	80/90	69/77	222/222	82/90	90/90	75/82	227/227	82/90	90/90	75/82	227/227
			110A+117A	19.9/26.5	55.2/63.8	90/101	90/110	82/92	222/222	90/101	90/110	82/92	222/222	96/107	100/110	88/98	227/227	96/107	100/110	88/98	227/227
		HIGH	NONE	–	–	50/49	60/60	51/50	238	50/49	60/60	51/50	238	54/54	60/60	56/55	243	54/54	60/60	56/55	243
			264A	4.9/6.5	13.6/15.6	50/49	60/60	51/50	238/238	50/49	60/60	51/50	238/238	54/54	60/60	56/55	243/243	54/54	60/60	56/55	243/243
			117A	7.8/10.4	21.7/25.0	55/58	60/60	51/53	238/238	55/58	60/60	51/53	238/238	61/64	70/70	56/58	243/243	61/64	70/70	56/58	243/243
			110A	12.0/16.0	33.4/38.5	69/75	70/80	63/68	238/238	69/75	70/80	63/68	238/238	75/81	80/90	69/74	243/243	75/81	80/90	69/74	243/243
			117A+117A	15.8/21.0	43.8/50.5	82/90	90/90	75/82	238/238	82/90	90/90	75/82	238/238	88/96	90/100	81/87	243/243	88/96	90/100	81/87	243/243
			110A+117A	19.9/26.5	55.2/63.8	97/106	100/110	88/97	238/238	97/106	100/110	88/97	238/238	103/112	110/125	94/103	243/243	103/112	110/125	94/103	243/243
	460–3–60	STD	NONE	–	–	19	25	19	83	19	25	19	83	21	25	21	85	21	25	21	85
			265A	6.0	7.2	19	25	19	83	19	25	19	83	21	25	21	85	21	25	21	85
			266A	11.5	13.8	26	30	23	83	26	30	23	83	28	30	26	85	28	30	26	85
			267A	14.0	16.8	29	30	27	83	29	30	27	83	32	35	29	85	32	35	29	85
			268A	23.0	27.7	43	45	39	83	43	45	39	83	46	50	42	85	46	50	42	85
			269A	25.5	30.7	47	50	43	83	47	50	43	83	50	50	45	85	50	50	45	85
		MED	NONE	–	–	20	25	20	110	20	25	20	110	23	30	23	112	23	30	23	112
			265A	6.0	7.2	20	25	20	110	20	25	20	110	23	30	23	112	23	30	23	112
			266A	11.5	13.8	28	30	25	110	28	30	25	110	30	35	28	112	30	35	28	112
			267A	14.0	16.8	31	35	29	110	31	35	29	110	34	35	31	112	34	35	31	112
			268A	23.0	27.7	45	45	41	110	45	45	41	110	48	50	44	112	48	50	44	112
			269A	25.5	30.7	49	50	45	110	49	50	45	110	52	60	47	112	52	60	47	112
		HIGH	NONE	–	–	23	30	23	118	23	30	23	118	25	30	26	120	25	30	26	120
			265A	6.0	7.2	23	30	23	118	23	30	23	118	25	30	26	120	25	30	26	120
			266A	11.5	13.8	30	35	28	118	30	35	28	118	33	35	30	120	33	35	30	120
			267A	14.0	16.8	34	35	31	118	34	35	31	118	37	40	34	120	37	40	34	120
			268A	23.0	27.7	48	50	44	118	48	50	44	118	51	60	46	120	51	60	46	120
			269A	25.5	30.7	52	60	47	118	52	60	47	118	54	60	50	120	54	60	50	120
	575–3–60	STD	NONE	–	–	15	20	15	70	15	20	15	70	17	20	17	72	17	20	17	72
			118A	17.0	20.4	33	35	30	70	33	35	30	70	35	35	32	72	35	35	32	72
			299A	25.7	25.8	39	40	36	70	39	40	36	70	42	45	38	72	42	45	38	72
		MED	NONE	–	–	17	20	17	85	17	20	17	85	18	20	19	87	18	20	19	87
			118A	17.0	20.4	34	35	31	85	34	35	31	85	36	40	33	87	36	40	33	87
			299A	25.7	25.8	41	45	37	85	41	45	37	85	43	45	39	87	43	45	39	87
		HIGH	NONE	–	–	19	25	20	99	19	25	20	99	21	25	22	101	21	25	22	101
			118A	17.0	20.4	38	40	34	99	38	40	34	99	40	40	36	101	40	40	36	101
			299A	25.7	25.8	44	45	41	99	44	45	41	99	47	50	42	101	47	50	42	101

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 5 - 50HC with Electric Heat and ERV: Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D08 (2–stage cool)	208/230–3–60	STD	NONE	–	–	51	60	54	203	51	60	54	203	56	60	60	208	56	60	60	208
			117A	7.8/10.4	21.7/25.0	51/53	60/60	54/54	203/203	51/53	60/60	54/54	203/203	56/59	60/60	60/60	208/208	56/59	60/60	60/60	208/208
			110A	12.0/16.0	33.4/38.5	64/70	70/70	58/64	203/203	64/70	70/70	58/64	203/203	70/76	70/80	64/70	208/208	70/76	70/80	64/70	208/208
			111A	18.6/24.8	51.7/59.7	87/97	90/100	79/88	203/203	87/97	90/100	79/88	203/203	93/103	100/110	85/94	208/208	93/103	100/110	85/94	208/208
			112A	24.0/32.0	66.7/77.0	105/118	110/125	96/108	203/203	105/118	110/125	96/108	203/203	111/124	125/125	102/114	208/208	111/124	125/125	102/114	208/208
			112A+117A	31.8/42.4	88.4/102.0	132/149	150/150	121/137	203/203	132/149	150/150	121/137	203/203	138/155	150/175	127/143	208/208	138/155	150/175	127/143	208/208
		MED	NONE	–	–	53/53	60/60	56/56	241	53/53	60/60	56/56	241	58/58	70/70	62/62	246	58/58	70/70	62/62	246
			117A	7.8/10.4	21.7/25.0	53/55	60/60	56/56	241/241	53/55	60/60	56/56	241/241	58/61	70/70	62/62	246/246	58/61	70/70	62/62	246/246
			110A	12.0/16.0	33.4/38.5	66/72	70/80	60/66	241/241	66/72	70/80	60/66	241/241	72/78	80/80	66/71	246/246	72/78	80/80	66/71	246/246
			111A	18.6/24.8	51.7/59.7	89/98	90/100	81/90	241/241	89/98	90/100	81/90	241/241	95/104	100/110	87/96	246/246	95/104	100/110	87/96	246/246
			112A	24.0/32.0	66.7/77.0	107/120	110/125	98/110	241/241	107/120	110/125	98/110	241/241	113/126	125/150	104/116	246/246	113/126	125/150	104/116	246/246
			112A+117A	31.8/42.4	88.4/102.0	135/151	150/175	123/139	241/241	135/151	150/175	123/139	241/241	141/157	150/175	129/144	246/246	141/157	150/175	129/144	246/246
		HIGH	NONE	–	–	57	60	61	270	57	60	61	270	61	70	66	275	61	70	66	275
			117A	7.8/10.4	21.7/25.0	57/60	60/60	61/61	270/270	57/60	60/60	61/61	270/270	62/66	70/70	66/66	275/275	62/66	70/70	66/66	275/275
			110A	12.0/16.0	33.4/38.5	70/77	70/80	64/70	270/270	70/77	70/80	64/70	270/270	76/83	80/90	70/76	275/275	76/83	80/90	70/76	275/275
			111A	18.6/24.8	51.7/59.7	93/103	100/110	85/95	270/270	93/103	100/110	85/95	270/270	99/109	100/110	91/100	275/275	99/109	100/110	91/100	275/275
			112A	24.0/32.0	66.7/77.0	112/125	125/125	103/115	270/270	112/125	125/125	103/115	270/270	118/131	125/150	108/120	275/275	118/131	125/150	108/120	275/275
			112A+117A	31.8/42.4	88.4/102.0	139/156	150/175	128/143	270/270	139/156	150/175	128/143	270/270	145/162	150/175	133/149	275/275	145/162	150/175	133/149	275/275
	460–3–60	STD	NONE	–	–	24	25	25	101	24	25	25	101	26	30	28	103	26	30	28	103
			116A	13.9	16.7	31	35	28	101	31	35	28	101	34	35	31	103	34	35	31	103
			113A	16.5	19.8	35	35	32	101	35	35	32	101	38	40	35	103	38	40	35	103
			114A	27.8	33.4	52	60	48	101	52	60	48	101	55	60	50	103	55	60	50	103
			115A	33.0	39.7	60	60	55	101	60	60	55	101	63	70	57	103	63	70	57	103
			114A+116A	41.7	50.2	73	80	67	101	73	80	67	101	76	80	70	103	76	80	70	103
		MED	NONE	–	–	25	30	26	120	25	30	26	120	27	30	29	122	27	30	29	122
			116A	13.9	16.7	32	35	29	120	32	35	29	120	35	35	32	122	35	35	32	122
			113A	16.5	19.8	36	40	33	120	36	40	33	120	39	40	35	122	39	40	35	122
			114A	27.8	33.4	53	60	49	120	53	60	49	120	56	60	51	122	56	60	51	122
			115A	33.0	39.7	61	70	56	120	61	70	56	120	64	70	58	122	64	70	58	122
			114A+116A	41.7	50.2	74	80	68	120	74	80	68	120	77	80	70	122	77	80	70	122
		HIGH	NONE	–	–	27	30	28	135	27	30	28	135	29	30	31	137	29	30	31	137
			116A	13.9	16.7	35	35	32	135	35	35	32	135	38	40	34	137	38	40	34	137
			113A	16.5	19.8	39	40	35	135	39	40	35	135	41	45	38	137	41	45	38	137
			114A	27.8	33.4	56	60	51	135	56	60	51	135	58	60	53	137	58	60	53	137
			115A	33.0	39.7	64	70	58	135	64	70	58	135	66	70	61	137	66	70	61	137
			114A+116A	41.7	50.2	77	80	70	135	77	80	70	135	79	80	73	137	79	80	73	137
	575–3–60	STD	NONE	–	–	18	20	19	83	18	20	19	83	20	25	21	85	20	25	21	85
			118A	17.0	20.4	35	35	32	83	35	35	32	83	37	40	34	85	37	40	34	85
			119A	34.0	40.9	60	60	55	83	60	60	55	83	63	70	57	85	63	70	57	85
		MED	NONE	–	–	19	20	20	87	19	20	20	87	20	25	22	89	20	25	22	89
			118A	17.0	20.4	35	35	32	87	35	35	32	87	37	40	34	89	37	40	34	89
			119A	34.0	40.9	61	70	56	87	61	70	56	87	63	70	58	89	63	70	58	89
		HIGH	NONE	–	–	19	20	21	98	19	20	21	98	21	25	22	100	21	25	22	100
			118A	17.0	20.4	36	40	33	98	36	40	33	98	38	40	35	100	38	40	35	100
			119A	34.0	40.9	62	70	57	98	62	70	57	98	64	70	58	100	64	70	58	100

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 5 - 50HC with Electric Heat and ERV: Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D09 (2–stage cool)	208/230–3–60	STD	NONE	–	–	51	60	55	203	51	60	55	203	56	60	60	208	56	60	60	208
			117A	7.8/10.4	21.7/25.0	51/53	60/60	55/55	203/203	51/53	60/60	55/55	203/203	56/59	60/60	60/60	208/208	56/59	60/60	60/60	208/208
			110A	12.0/16.0	33.4/38.5	64/70	70/70	58/64	203/203	64/70	70/70	58/64	203/203	70/76	70/80	64/70	208/208	70/76	70/80	64/70	208/208
			111A	18.6/24.8	51.7/59.7	87/97	90/100	79/88	203/203	87/97	90/100	79/88	203/203	93/103	100/110	85/94	208/208	93/103	100/110	85/94	208/208
			112A	24.0/32.0	66.7/77.0	105/118	110/125	96/108	203/203	105/118	110/125	96/108	203/203	111/124	125/125	102/114	208/208	111/124	125/125	102/114	208/208
			112A+117A	31.8/42.4	88.4/102.0	132/149	150/150	121/137	203/203	132/149	150/150	121/137	203/203	138/155	150/175	127/143	208/208	138/155	150/175	127/143	208/208
		MED	NONE	–	–	53/53	60/60	57/56	241	53/53	60/60	57/56	241	58/58	70/70	62/62	246	58/58	70/70	62/62	246
			117A	7.8/10.4	21.7/25.0	53/55	60/60	57/56	241/241	53/55	60/60	57/56	241/241	58/61	70/70	62/62	246/246	58/61	70/70	62/62	246/246
			110A	12.0/16.0	33.4/38.5	66/72	70/80	60/66	241/241	66/72	70/80	60/66	241/241	72/78	80/80	66/71	246/246	72/78	80/80	66/71	246/246
			111A	18.6/24.8	51.7/59.7	89/98	90/100	81/90	241/241	89/98	90/100	81/90	241/241	95/104	100/110	87/96	246/246	95/104	100/110	87/96	246/246
			112A	24.0/32.0	66.7/77.0	107/120	110/125	98/110	241/241	107/120	110/125	98/110	241/241	113/126	125/150	104/116	246/246	113/126	125/150	104/116	246/246
			112A+117A	31.8/42.4	88.4/102.0	135/151	150/175	123/139	241/241	135/151	150/175	123/139	241/241	141/157	150/175	129/144	246/246	141/157	150/175	129/144	246/246
		HIGH	NONE	–	–	57	60	61	270	57	60	61	270	62	70	66	275	62	70	66	275
			117A	7.8/10.4	21.7/25.0	57/60	60/60	61/61	270/270	57/60	60/60	61/61	270/270	62/66	70/70	66/66	275/275	62/66	70/70	66/66	275/275
			110A	12.0/16.0	33.4/38.5	70/77	70/80	64/70	270/270	70/77	70/80	64/70	270/270	76/83	80/90	70/76	275/275	76/83	80/90	70/76	275/275
			111A	18.6/24.8	51.7/59.7	93/103	100/110	85/95	270/270	93/103	100/110	85/95	270/270	99/109	100/110	91/100	275/275	99/109	100/110	91/100	275/275
			112A	24.0/32.0	66.7/77.0	112/125	125/125	103/115	270/270	112/125	125/125	103/115	270/270	118/131	125/150	108/120	275/275	118/131	125/150	108/120	275/275
			112A+117A	31.8/42.4	88.4/102.0	139/156	150/175	128/143	270/270	139/156	150/175	128/143	270/270	145/162	150/175	133/149	275/275	145/162	150/175	133/149	275/275
	460–3–60	STD	NONE	–	–	24	30	25	101	24	30	25	101	26	30	28	103	26	30	28	103
			116A	13.9	16.7	31	35	28	101	31	35	28	101	34	35	31	103	34	35	31	103
			113A	16.5	19.8	35	35	32	101	35	35	32	101	38	40	35	103	38	40	35	103
			114A	27.8	33.4	52	60	48	101	52	60	48	101	55	60	50	103	55	60	50	103
			115A	33.0	39.7	60	60	55	101	60	60	55	101	63	70	57	103	63	70	57	103
			114A+116A	41.7	50.2	73	80	67	101	73	80	67	101	76	80	70	103	76	80	70	103
		MED	NONE	–	–	25	30	26	120	25	30	26	120	27	30	29	122	27	30	29	122
			116A	13.9	16.7	32	35	29	120	32	35	29	120	35	35	32	122	35	35	32	122
			113A	16.5	19.8	36	40	33	120	36	40	33	120	39	40	35	122	39	40	35	122
			114A	27.8	33.4	53	60	49	120	53	60	49	120	56	60	51	122	56	60	51	122
			115A	33.0	39.7	61	70	56	120	61	70	56	120	64	70	58	122	64	70	58	122
			114A+116A	41.7	50.2	74	80	68	120	74	80	68	120	77	80	70	122	77	80	70	122
		HIGH	NONE	–	–	27	30	28	135	27	30	28	135	29	35	31	137	29	35	31	137
			116A	13.9	16.7	35	35	32	135	35	35	32	135	38	40	34	137	38	40	34	137
			113A	16.5	19.8	39	40	35	135	39	40	35	135	41	45	38	137	41	45	38	137
			114A	27.8	33.4	56	60	51	135	56	60	51	135	58	60	53	137	58	60	53	137
			115A	33.0	39.7	64	70	58	135	64	70	58	135	66	70	61	137	66	70	61	137
			114A+116A	41.7	50.2	77	80	70	135	77	80	70	135	79	80	73	137	79	80	73	137
	575–3–60	STD	NONE	–	–	20	25	21	83	20	25	21	83	21	25	22	85	21	25	22	85
			118A	17.0	20.4	35	35	32	83	35	35	32	83	37	40	34	85	37	40	34	85
			119A	34.0	40.9	60	60	55	83	60	60	55	83	63	70	57	85	63	70	57	85
		MED	NONE	–	–	20	25	21	87	20	25	21	87	22	25	23	89	22	25	23	89
			118A	17.0	20.4	35	35	32	87	35	35	32	87	37	40	34	89	37	40	34	89
			119A	34.0	40.9	61	70	56	87	61	70	56	87	63	70	58	89	63	70	58	89
		HIGH	NONE	–	–	21	25	22	98	21	25	22	98	22	25	24	100	22	25	24	100
			118A	17.0	20.4	36	40	33	98	36	40	33	98	38	40	35	100	38	40	35	100
			119A	34.0	40.9	62	70	57	98	62	70	57	98	64	70	58	100	64	70	58	100

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 5 - 50HC with Electric Heat and ERV: Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D11 (2–stage cool)	208/230–3–60	STD	NONE	–	–	61	70	65	269	61	70	65	269	66	80	70	274	66	80	70	274
			117A	7.8/10.4	21.7/25.0	61/61	70/70	65/65	269/269	61/61	70/70	65/65	269/269	66/66	80/80	70/70	274/274	66/66	80/80	70/70	274/274
			110A	12.0/16.0	33.4/38.5	64/70	70/70	65/65	269/269	64/70	70/70	65/65	269/269	70/76	80/80	70/70	274/274	70/76	80/80	70/70	274/274
			112A	24.0/32.0	66.7/77.0	105/118	110/125	96/108	269/269	105/118	110/125	96/108	269/269	111/124	125/125	102/114	274/274	111/124	125/125	102/114	274/274
			112A+117A	31.8/42.4	88.4/102.0	132/149	150/150	121/137	269/269	132/149	150/150	121/137	269/269	138/155	150/175	127/143	274/274	138/155	150/175	127/143	274/274
			112A+110A	37.6/50.0	104.2/120.3	152/142	175/150	140/158	269/269	152/142	175/150	140/158	269/269	158/148	175/175	145/164	274/274	158/148	175/175	145/164	274/274
		MED	NONE	–	–	66	80	71	325	66	80	71	325	71	80	77	330	71	80	77	330
			117A	7.8/10.4	21.7/25.0	66/66	80/80	71/71	325/325	66/66	80/80	71/71	325/325	71/71	80/80	77/77	330/330	71/71	80/80	77/77	330/330
			110A	12.0/16.0	33.4/38.5	70/77	80/80	71/71	325/325	70/77	80/80	71/71	325/325	76/83	80/90	77/77	330/330	76/83	80/90	77/77	330/330
			112A	24.0/32.0	66.7/77.0	112/125	125/125	103/115	325/325	112/125	125/125	103/115	325/325	118/131	125/150	108/120	330/330	118/131	125/150	108/120	330/330
			112A+117A	31.8/42.4	88.4/102.0	139/156	150/175	128/143	325/325	139/156	150/175	128/143	325/325	145/162	150/175	133/149	330/330	145/162	150/175	133/149	330/330
			112A+110A	37.6/50.0	104.2/120.3	159/149	175/175	146/164	325/325	159/149	175/175	146/164	325/325	165/155	175/175	151/170	330/330	165/155	175/175	151/170	330/330
		HIGH	NONE	–	–	69/68	80/80	74/73	327	69/68	80/80	74/73	327	74/73	80/80	80/79	332	74/73	80/80	80/79	332
			117A	7.8/10.4	21.7/25.0	69/68	80/80	74/73	327/327	69/68	80/80	74/73	327/327	74/73	80/80	80/79	332/332	74/73	80/80	80/79	332/332
			110A	12.0/16.0	33.4/38.5	74/79	80/80	74/73	327/327	74/79	80/80	74/73	327/327	80/85	80/90	80/79	332/332	80/85	80/90	80/79	332/332
			112A	24.0/32.0	66.7/77.0	116/128	125/150	106/117	327/327	116/128	125/150	106/117	327/327	122/134	125/150	112/122	332/332	122/134	125/150	112/122	332/332
			112A+117A	31.8/42.4	88.4/102.0	143/159	150/175	131/146	327/327	143/159	150/175	131/146	327/327	149/165	150/175	137/151	332/332	149/165	150/175	137/151	332/332
			112A+110A	37.6/50.0	104.2/120.3	163/152	175/175	149/167	327/327	163/152	175/175	149/167	327/327	169/158	175/175	155/172	332/332	169/158	175/175	155/172	332/332
	460–3–60	STD	NONE	–	–	28	30	29	129	28	30	29	129	30	35	32	131	30	35	32	131
			116A	13.9	16.7	31	35	29	129	31	35	29	129	34	35	32	131	34	35	32	131
			113A	16.5	19.8	35	35	32	129	35	35	32	129	38	40	35	131	38	40	35	131
			115A	33.0	39.7	60	60	55	129	60	60	55	129	63	70	57	131	63	70	57	131
			114A+116A	41.7	50.2	73	80	67	129	73	80	67	129	76	80	70	131	76	80	70	131
			115A+113A	50.0	60.1	71	80	78	129	71	80	78	129	73	80	81	131	73	80	81	131
		MED	NONE	–	–	31	35	33	157	31	35	33	157	33	35	35	159	33	35	35	159
			116A	13.9	16.7	35	35	33	157	35	35	33	157	38	40	35	159	38	40	35	159
			113A	16.5	19.8	39	40	35	157	39	40	35	157	41	45	38	159	41	45	38	159
			115A	33.0	39.7	64	70	58	157	64	70	58	157	66	70	61	159	66	70	61	159
			114A+116A	41.7	50.2	77	80	70	157	77	80	70	157	79	80	73	159	79	80	73	159
			115A+113A	50.0	60.1	74	80	81	157	74	80	81	157	77	80	84	159	77	80	84	159
		HIGH	NONE	–	–	32	35	34	158	32	35	34	158	34	40	36	160	34	40	36	160
			116A	13.9	16.7	36	40	34	158	36	40	34	158	39	40	36	160	39	40	36	160
			113A	16.5	19.8	40	40	36	158	40	40	36	158	43	45	39	160	43	45	39	160
			115A	33.0	39.7	65	70	59	158	65	70	59	158	68	70	62	160	68	70	62	160
			114A+116A	41.7	50.2	78	80	71	158	78	80	71	158	81	90	74	160	81	90	74	160
			115A+113A	50.0	60.1	75	80	83	158	75	80	83	158	78	80	85	160	78	80	85	160
	575–3–60	STD	NONE	–	–	23	25	24	101	23	25	24	101	25	30	26	103	25	30	26	103
			118A	17.0	20.4	35	35	32	101	35	35	32	101	37	40	34	103	37	40	34	103
			119A	34.0	40.9	61	70	56	101	61	70	56	101	63	70	58	103	63	70	58	103
			118A+119A	51.0	61.3	71	80	79	101	71	80	79	101	73	80	81	103	73	80	81	103
		MED	NONE	–	–	24	25	25	112	24	25	25	112	25	30	27	114	25	30	27	114
			118A	17.0	20.4	36	40	33	112	36	40	33	112	38	40	35	114	38	40	35	114
			119A	34.0	40.9	62	70	57	112	62	70	57	112	64	70	58	114	64	70	58	114
			118A+119A	51.0	61.3	72	80	80	112	72	80	80	112	74	80	82	114	74	80	82	114
		HIGH	NONE	–	–	27	30	29	126	27	30	29	126	28	30	31	128	28	30	31	128
			118A	17.0	20.4	40	40	36	126	40	40	36	126	42	45	38	128	42	45	38	128
			119A	34.0	40.9	65	70	60	126	65	70	60	126	68	70	62	128	68	70	62	128
			118A+119A	51.0	61.3	76	80	83	126	76	80	83	126	78	80	85	128	78	80	85	128

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 5 - 50HC with Electric Heat and ERV: Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D12 (2–stage cool)	208/230–3–60	STD	NONE	–	–	60	70	63	294	60	70	63	294	64	70	69	299	64	70	69	299
			117A	7.8/10.4	21.7/25.0	60/60	70/70	63/63	294/294	60/60	70/70	63/63	294/294	64/64	70/70	69/69	299/299	64/64	70/70	69/69	299/299
			110A	12.0/16.0	33.4/38.5	64/70	70/70	63/64	294/294	64/70	70/70	63/64	294/294	70/76	70/80	69/70	299/299	70/76	70/80	69/70	299/299
			112A	24.0/32.0	66.7/77.0	105/118	110/125	96/108	294/294	105/118	110/125	96/108	294/294	111/124	125/125	102/114	299/299	111/124	125/125	102/114	299/299
			112A+117A	31.8/42.4	88.4/102.0	132/149	150/150	121/137	294/294	132/149	150/150	121/137	294/294	138/155	150/175	127/143	299/299	138/155	150/175	127/143	299/299
			112A+110A	37.6/50.0	104.2/120.3	152/142	175/150	140/158	294/294	152/142	175/150	140/158	294/294	158/148	175/175	145/164	299/299	158/148	175/175	145/164	299/299
		MED	NONE	–	–	65	80	70	350	65	80	70	350	70	80	75	355	70	80	75	355
			117A	7.8/10.4	21.7/25.0	65/65	80/80	70/70	350/350	65/65	80/80	70/70	350/350	70/70	80/80	75/75	355/355	70/70	80/80	75/75	355/355
			110A	12.0/16.0	33.4/38.5	70/77	80/80	70/70	350/350	70/77	80/80	70/70	350/350	76/83	80/90	75/76	355/355	76/83	80/90	75/76	355/355
			112A	24.0/32.0	66.7/77.0	112/125	125/125	103/115	350/350	112/125	125/125	103/115	350/350	118/131	125/150	108/120	355/355	118/131	125/150	108/120	355/355
			112A+117A	31.8/42.4	88.4/102.0	139/156	150/175	128/143	350/350	139/156	150/175	128/143	350/350	145/162	150/175	133/149	355/355	145/162	150/175	133/149	355/355
			112A+110A	37.6/50.0	104.2/120.3	159/149	175/175	146/164	350/350	159/149	175/175	146/164	350/350	165/155	175/175	151/170	355/355	165/155	175/175	151/170	355/355
		HIGH	NONE	–	–	68/67	80/80	73/72	352	68/67	80/80	73/72	352	73/72	80/80	79/78	357	73/72	80/80	79/78	357
			117A	7.8/10.4	21.7/25.0	68/67	80/80	73/72	352/352	68/67	80/80	73/72	352/352	73/72	80/80	79/78	357/357	73/72	80/80	79/78	357/357
			110A	12.0/16.0	33.4/38.5	74/79	80/80	73/73	352/352	74/79	80/80	73/73	352/352	80/85	80/90	79/78	357/357	80/85	80/90	79/78	357/357
			112A	24.0/32.0	66.7/77.0	116/128	125/150	106/117	352/352	116/128	125/150	106/117	352/352	122/134	125/150	112/122	357/357	122/134	125/150	112/122	357/357
			112A+117A	31.8/42.4	88.4/102.0	143/159	150/175	131/146	352/352	143/159	150/175	131/146	352/352	149/165	150/175	137/151	357/357	149/165	150/175	137/151	357/357
			112A+110A	37.6/50.0	104.2/120.3	163/152	175/175	149/167	352/352	163/152	175/175	149/167	352/352	169/158	175/175	155/172	357/357	169/158	175/175	155/172	357/357
	460–3–60	STD	NONE	–	–	29	35	31	141	29	35	31	141	31	35	33	143	31	35	33	143
			116A	13.9	16.7	31	35	31	141	31	35	31	141	34	35	33	143	34	35	33	143
			113A	16.5	19.8	35	35	32	141	35	35	32	141	38	40	35	143	38	40	35	143
			115A	33.0	39.7	60	60	55	141	60	60	55	141	63	70	57	143	63	70	57	143
			114A+116A	41.7	50.2	73	80	67	141	73	80	67	141	76	80	70	143	76	80	70	143
			115A+113A	50.0	60.1	71	80	78	141	71	80	78	141	73	80	81	143	73	80	81	143
		MED	NONE	–	–	32	35	34	169	32	35	34	169	34	40	36	171	34	40	36	171
			116A	13.9	16.7	35	35	34	169	35	35	34	169	38	40	36	171	38	40	36	171
			113A	16.5	19.8	39	40	35	169	39	40	35	169	41	45	38	171	41	45	38	171
			115A	33.0	39.7	64	70	58	169	64	70	58	169	66	70	61	171	66	70	61	171
			114A+116A	41.7	50.2	77	80	70	169	77	80	70	169	79	80	73	171	79	80	73	171
			115A+113A	50.0	60.1	74	80	81	169	74	80	81	169	77	80	84	171	77	80	84	171
		HIGH	NONE	–	–	33	35	35	170	33	35	35	170	35	40	37	172	35	40	37	172
			116A	13.9	16.7	36	40	35	170	36	40	35	170	39	40	37	172	39	40	37	172
			113A	16.5	19.8	40	40	36	170	40	40	36	170	43	45	39	172	43	45	39	172
			115A	33.0	39.7	65	70	59	170	65	70	59	170	68	70	62	172	68	70	62	172
			114A+116A	41.7	50.2	78	80	71	170	78	80	71	170	81	90	74	172	81	90	74	172
			115A+113A	50.0	60.1	75	80	83	170	75	80	83	170	78	80	85	172	78	80	85	172
	575–3–60	STD	NONE	–	–	23	25	25	111	23	25	25	111	25	30	27	113	25	30	27	113
			118A	17.0	20.4	35	35	32	111	35	35	32	111	37	40	34	113	37	40	34	113
			119A	34.0	40.9	61	70	56	111	61	70	56	111	63	70	58	113	63	70	58	113
			118A+119A	51.0	61.3	71	80	79	111	71	80	79	111	73	80	81	113	73	80	81	113
		MED	NONE	–	–	24	30	25	122	24	30	25	122	26	30	27	124	26	30	27	124
			118A	17.0	20.4	36	40	33	122	36	40	33	122	38	40	35	124	38	40	35	124
			119A	34.0	40.9	62	70	57	122	62	70	57	122	64	70	58	124	64	70	58	124
			118A+119A	51.0	61.3	72	80	80	122	72	80	80	122	74	80	82	124	74	80	82	124
		HIGH	NONE	–	–	27	30	29	136	27	30	29	136	29	30	31	138	29	30	31	138
			118A	17.0	20.4	40	40	36	136	40	40	36	136	42	45	38	138	42	45	38	138
			119A	34.0	40.9	65	70	60	136	65	70	60	136	68	70	62	138	68	70	62	138
			118A+119A	51.0	61.3	76	80	83	136	76	80	83	136	78	80	85	138	78	80	85	138

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 5 - 50HC with Electric Heat and ERV: Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D14 (2–stage cool)	208/230–3–60	STD	NONE	–	–	73	80	77	356	73	80	77	356	78	90	83	361	78	90	83	361
			291A	12.4/16.5	34.4/39.7	73/80	80/80	77/77	356/356	73/80	80/80	77/77	356/356	79/86	90/90	83/83	361/361	79/86	90/90	83/83	361/361
			288A+291A	19.9/26.5	55.3/63.8	99/110	100/110	91/101	356/356	99/110	100/110	91/101	356/356	105/116	110/125	96/106	361/361	105/116	110/125	96/106	361/361
			294A	25.2/33.5	69.9/80.6	117/131	125/150	108/120	356/356	117/131	125/150	108/120	356/356	123/137	125/150	113/125	361/361	123/137	125/150	113/125	361/361
			288A+294A	32.7/43.5	90.7/104.7	143/161	150/175	132/148	356/356	143/161	150/175	132/148	356/356	149/167	150/175	137/153	361/361	149/167	150/175	137/153	361/361
			291A+294A	37.6/50.0	104.3/120.3	160/150	175/175	147/166	356/356	160/150	175/175	147/166	356/356	166/156	175/175	153/171	361/361	166/156	175/175	153/171	361/361
		MED	NONE	–	–	76	90	81	386	76	90	81	386	81	90	87	391	81	90	87	391
			291A	12.4/16.5	34.4/39.7	77/84	90/90	81/81	386/386	77/84	90/90	81/81	386/386	83/90	90/90	87/87	391/391	83/90	90/90	87/87	391/391
			288A+291A	19.9/26.5	55.3/63.8	103/114	110/125	94/104	386/386	103/114	110/125	94/104	386/386	109/120	110/125	100/110	391/391	109/120	110/125	100/110	391/391
			294A	25.2/33.5	69.9/80.6	121/135	125/150	111/123	386/386	121/135	125/150	111/123	386/386	127/141	150/150	117/129	391/391	127/141	150/150	117/129	391/391
			288A+294A	32.7/43.5	90.7/104.7	147/165	150/175	135/151	386/386	147/165	150/175	135/151	386/386	153/171	175/175	141/157	391/391	153/171	175/175	141/157	391/391
			291A+294A	37.6/50.0	104.3/120.3	164/154	175/175	151/169	386/386	164/154	175/175	151/169	386/386	170/160	175/175	156/175	391/391	170/160	175/175	156/175	391/391
		HIGH	NONE	–	–	86	100	92	392	86	100	92	392	91	100	98	397	91	100	98	397
			291A	12.4/16.5	34.4/39.7	89/96	100/100	92/92	392/392	89/96	100/100	92/92	392/392	95/102	100/110	98/98	397/397	95/102	100/110	98/98	397/397
			288A+291A	19.9/26.5	55.3/63.8	115/126	125/150	106/115	392/392	115/126	125/150	106/115	392/392	121/132	125/150	111/121	397/397	121/132	125/150	111/121	397/397
			294A	25.2/33.5	69.9/80.6	134/147	150/150	122/135	392/392	134/147	150/150	122/135	392/392	140/153	150/175	128/140	397/397	140/153	150/175	128/140	397/397
			288A+294A	32.7/43.5	90.7/104.7	160/177	175/200	146/162	392/392	160/177	175/200	146/162	392/392	166/183	175/200	152/168	397/397	166/183	175/200	152/168	397/397
			291A+294A	37.6/50.0	104.3/120.3	177/166	200/175	162/180	392/392	177/166	200/175	162/180	392/392	183/172	200/175	168/186	397/397	183/172	200/175	168/186	397/397
	460–3–60	STD	NONE	–	–	32	35	34	173	32	35	34	173	34	40	36	175	34	40	36	175
			292A	16.5	19.9	38	40	35	173	38	40	35	173	41	45	37	175	41	45	37	175
			289A+292A	26.5	31.9	53	60	49	173	53	60	49	173	56	60	51	175	56	60	51	175
			295A	33.5	40.3	64	70	58	173	64	70	58	173	67	70	61	175	67	70	61	175
			289A+295A	43.5	52.3	79	80	72	173	79	80	72	173	82	90	75	175	82	90	75	175
			292A+295A	50.0	60.2	74	80	81	173	74	80	81	173	76	80	84	175	76	80	84	175
		MED	NONE	–	–	34	40	36	188	34	40	36	188	36	40	38	190	36	40	38	190
			292A	16.5	19.9	41	45	37	188	41	45	37	188	43	45	40	190	43	45	40	190
			289A+292A	26.5	31.9	56	60	51	188	56	60	51	188	58	60	53	190	58	60	53	190
			295A	33.5	40.3	66	70	61	188	66	70	61	188	69	70	63	190	69	70	63	190
			289A+295A	43.5	52.3	81	90	74	188	81	90	74	188	84	90	77	190	84	90	77	190
			292A+295A	50.0	60.2	76	80	83	188	76	80	83	188	79	80	86	190	79	80	86	190
		HIGH	NONE	–	–	39	45	41	191	39	45	41	191	41	50	44	193	41	50	44	193
			292A	16.5	19.9	47	50	43	191	47	50	43	191	50	50	45	193	50	50	45	193
			289A+292A	26.5	31.9	62	70	56	191	62	70	56	191	65	70	59	193	65	70	59	193
			295A	33.5	40.3	72	80	66	191	72	80	66	191	75	80	69	193	75	80	69	193
			289A+295A	43.5	52.3	87	90	80	191	87	90	80	191	90	90	82	193	90	90	82	193
			292A+295A	50.0	60.2	82	90	89	191	82	90	89	191	85	90	92	193	85	90	92	193
	575–3–60	STD	NONE	–	–	27	30	29	145	27	30	29	145	29	35	31	147	29	35	31	147
			293A	16.5	15.9	33	35	30	145	33	35	30	145	35	35	32	147	35	35	32	147
			290A+293A	26.5	25.5	45	45	41	145	45	45	41	145	47	50	43	147	47	50	43	147
			296A	33.5	32.2	53	60	48	145	53	60	48	145	55	60	50	147	55	60	50	147
			290A+296A	43.5	41.8	65	70	59	145	65	70	59	145	67	70	61	147	67	70	61	147
			293A+296A	50.0	48.1	61	70	67	145	61	70	67	145	63	70	69	147	63	70	69	147
		MED	NONE	–	–	27	30	29	145	27	30	29	145	29	35	31	147	29	35	31	147
			293A	16.5	15.9	33	35	30	145	33	35	30	145	35	35	32	147	35	35	32	147
			290A+293A	26.5	25.5	45	45	41	145	45	45	41	145	47	50	43	147	47	50	43	147
			296A	33.5	32.2	53	60	48	145	53	60	48	145	55	60	50	147	55	60	50	147
			290A+296A	43.5	41.8	65	70	59	145	65	70	59	145	67	70	61	147	67	70	61	147
			293A+296A	50.0	48.1	61	70	67	145	61	70	67	145	63	70	69	147	63	70	69	147
		HIGH	NONE	–	–	34	40	36	157	34	40	36	157	36	40	38	159	36	40	38	159
			293A	16.5	15.9	40	40	37	157	40	40	37	157	42	45	39	159	42	45	39	159
			290A+293A	26.5	25.5	52	60	48	157	52	60	48	157	54	60	50	159	54	60	50	159
			296A	33.5	32.2	61	70	55	157	61	70	55	157	63	70	57	159	63	70	57	159
			290A+296A	43.5	41.8	73	80	67	157	73	80	67	157	75	80	68	159	75	80	68	159
			293A+296A	50.0	48.1	69	70	74	157	69	70	74	157	71	80	76	159	71	80	76	159

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 6 – 50HC with Electric Heat, ERV and Factory-Installed HACR Breaker Sizing Data

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–A04 (1–stage cool)	208/230–1–60	DD–STD	NONE	–	–	35	50	35	94	35	50	35	94	40	50	41	99	40	50	41	99
			101A	3.3/4.4	15.9/18.3	39/39	50/50	35/36	94/94	39/39	50/50	35/36	94/94	45/45	50/50	41/41	99/99	45/45	50/50	41/41	99/99
			102A	4.9/6.5	23.5/27.1	50/50	50/50	42/46	94/94	50/50	50/50	42/46	94/94	56/56	60/60	47/51	99/99	56/56	60/60	47/51	99/99
			103B	6.5/8.7	31.4/36.3	62/62	70/70	51/57	94/94	62/62	70/70	51/57	94/94	68/68	70/70	56/62	99/99	68/68	70/70	56/62	99/99
			104B	7.9/10.5	37.9/43.8	71/71	80/80	58/65	94/94	71/71	80/80	58/65	94/94	77/77	80/80	64/71	99/99	77/77	80/80	64/71	99/99
			102A+102A	9.8/13.0	46.9/54.2	84/84	90/90	69/77	94/94	84/84	90/90	69/77	94/94	90/90	90/90	74/83	99/99	90/90	90/90	74/83	99/99
		STD	NONE	–	–	33	45	32	99	33	45	32	99	37	50	38	104	37	50	38	104
			101A	3.3/4.4	15.9/18.3	36/36	45/45	32/33	99/99	36/36	45/45	32/33	99/99	42/42	50/50	38/38	104/104	42/42	50/50	38/38	104/104
			102A	4.9/6.5	23.5/27.1	47/47	50/50	39/43	99/99	47/47	50/50	39/43	99/99	53/53	60/60	44/49	104/104	53/53	60/60	44/49	104/104
			103B	6.5/8.7	31.4/36.3	59/59	60/60	48/54	99/99	59/59	60/60	48/54	99/99	65/65	70/70	54/59	104/104	65/65	70/70	54/59	104/104
			104B	7.9/10.5	37.9/43.8	68/68	70/70	56/62	99/99	68/68	70/70	56/62	99/99	74/74	80/80	61/68	104/104	74/74	80/80	61/68	104/104
			102A+102A	9.8/13.0	46.9/54.2	81/81	90/90	66/74	99/99	81/81	90/90	66/74	99/99	87/87	90/90	71/80	104/104	87/87	90/90	71/80	104/104
		MED	NONE	–	–	33	45	32	99	33	45	32	99	37	50	38	104	37	50	38	104
			101A	3.3/4.4	15.9/18.3	36/36	45/45	32/33	99/99	36/36	45/45	32/33	99/99	42/42	50/50	38/38	104/104	42/42	50/50	38/38	104/104
			102A	4.9/6.5	23.5/27.1	47/47	50/50	39/43	99/99	47/47	50/50	39/43	99/99	53/53	60/60	44/49	104/104	53/53	60/60	44/49	104/104
			103B	6.5/8.7	31.4/36.3	59/59	60/60	48/54	99/99	59/59	60/60	48/54	99/99	65/65	70/70	54/59	104/104	65/65	70/70	54/59	104/104
			104B	7.9/10.5	37.9/43.8	68/68	70/70	56/62	99/99	68/68	70/70	56/62	99/99	74/74	80/80	61/68	104/104	74/74	80/80	61/68	104/104
			102A+102A	9.8/13.0	46.9/54.2	81/81	90/90	66/74	99/99	81/81	90/90	66/74	99/99	87/87	90/90	71/80	104/104	87/87	90/90	71/80	104/104
	208/230–3–60	DD–STD	NONE	–	–	27	30	28	88	27	30	28	88	32	40	34	93	32	40	34	93
			101A	3.3/4.4	9.2/10.6	30/30	30/30	28/28	88/88	30/30	30/30	28/28	88/88	36/36	40/40	34/34	93/93	36/36	40/40	34/34	93/93
			102A	4.9/6.5	13.6/15.6	36/36	40/40	31/33	88/88	36/36	40/40	31/33	88/88	42/42	45/45	36/38	93/93	42/42	45/45	36/38	93/93
			103B	6.5/8.7	18.1/20.9	43/43	45/45	36/39	88/88	43/43	45/45	36/39	88/88	49/49	50/50	41/45	93/93	49/49	50/50	41/45	93/93
			104B	7.9/10.5	21.9/25.3	48/48	50/50	40/44	88/88	48/48	50/50	40/44	88/88	54/54	60/60	46/50	93/93	54/54	60/60	46/50	93/93
			105A	12.0/16.0	33.4/38.5	65/65	70/70	53/59	88/88	65/65	70/70	53/59	88/88	71/71	80/80	59/65	93/93	71/71	80/80	59/65	93/93
		STD	NONE	–	–	25	30	26	100	25	30	26	100	30	40	31	105	30	40	31	105
			101A	3.3/4.4	9.2/10.6	27/27	30/30	26/26	100/100	27/27	30/30	26/26	100/100	33/33	40/40	31/31	105/105	33/33	40/40	31/31	105/105
			102A	4.9/6.5	13.6/15.6	33/33	35/35	28/30	100/100	33/33	35/35	28/30	100/100	39/39	40/40	34/36	105/105	39/39	40/40	34/36	105/105
			103B	6.5/8.7	18.1/20.9	40/40	40/40	33/36	100/100	40/40	40/40	33/36	100/100	46/46	50/50	39/42	105/105	46/46	50/50	39/42	105/105
			104B	7.9/10.5	21.9/25.3	46/46	50/50	38/42	100/100	46/46	50/50	38/42	100/100	52/52	60/60	43/47	105/105	52/52	60/60	43/47	105/105
			105A	12.0/16.0	33.4/38.5	62/62	70/70	51/57	100/100	62/62	70/70	51/57	100/100	68/68	70/70	56/62	105/105	68/68	70/70	56/62	105/105
		MED	NONE	–	–	25/25	30/30	26/25	117	25/25	30/30	26/25	117	30/30	40/40	31/31	122	30/30	40/40	31/31	122
			101A	3.3/4.4	9.2/10.6	27/27	30/30	26/25	117/117	27/27	30/30	26/25	117/117	33/33	40/40	31/31	122/122	33/33	40/40	31/31	122/122
			102A	4.9/6.5	13.6/15.6	33/33	35/35	28/30	117/117	33/33	35/35	28/30	117/117	39/39	40/40	34/36	122/122	39/39	40/40	34/36	122/122
			103B	6.5/8.7	18.1/20.9	40/40	40/40	33/36	117/117	40/40	40/40	33/36	117/117	46/46	50/50	39/42	122/122	46/46	50/50	39/42	122/122
			104B	7.9/10.5	21.9/25.3	45/45	45/45	38/41	117/117	45/45	45/45	38/41	117/117	51/51	60/60	43/47	122/122	51/51	60/60	43/47	122/122
			105A	12.0/16.0	33.4/38.5	62/62	70/70	51/56	117/117	62/62	70/70	51/56	117/117	68/68	70/70	56/62	122/122	68/68	70/70	56/62	122/122
		HIGH	NONE	–	–	28/28	35/35	29/29	153	28/28	35/35	29/29	153	33/33	40/40	35/35	158	33/33	40/40	35/35	158
			101A	3.3/4.4	9.2/10.6	31/31	35/35	29/29	153/153	31/31	35/35	29/29	153/153	37/37	40/40	35/35	158/158	37/37	40/40	35/35	158/158
			102A	4.9/6.5	13.6/15.6	37/37	40/40	32/34	153/153	37/37	40/40	32/34	153/153	43/43	45/45	37/39	158/158	43/43	45/45	37/39	158/158
			103B	6.5/8.7	18.1/20.9	44/44	45/45	37/40	153/153	44/44	45/45	37/40	153/153	50/50	50/50	42/46	158/158	50/50	50/50	42/46	158/158
			104B	7.9/10.5	21.9/25.3	49/49	50/50	41/45	153/153	49/49	50/50	41/45	153/153	55/55	60/60	47/51	158/158	55/55	60/60	47/51	158/158
			105A	12.0/16.0	33.4/38.5	66/66	70/70	55/60	153/153	66/66	70/70	55/60	153/153	72/72	80/80	60/66	158/158	72/72	80/80	60/66	158/158

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 6 – 50HC with Electric Heat, ERV and Factory-Installed HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–A04 (1–stage cool)	460–3–60	DD–STD	NONE	–	–	16	20	16	47	16	20	16	47	18	20	18	49	18	20	18	49
			106A	6.0	7.2	19	20	17	47	19	20	17	47	22	25	19	49	22	25	19	49
			107A	8.8	10.6	23	25	21	47	23	25	21	47	26	30	23	49	26	30	23	49
			108A	11.5	13.8	27	30	24	47	27	30	24	47	30	30	27	49	30	30	27	49
			109A	14.0	16.8	31	35	28	47	31	35	28	47	34	35	30	49	34	35	30	49
		STD	NONE	–	–	14	20	14	52	14	20	14	52	17	20	17	54	17	20	17	54
			106A	6.0	7.2	17	20	15	52	17	20	15	52	20	20	18	54	20	20	18	54
			107A	8.8	10.6	21	25	19	52	21	25	19	52	24	25	22	54	24	25	22	54
			108A	11.5	13.8	25	25	23	52	25	25	23	52	28	30	25	54	28	30	25	54
			109A	14.0	16.8	29	30	26	52	29	30	26	52	32	35	29	54	32	35	29	54
		MED	NONE	–	–	14	20	14	61	14	20	14	61	16	20	17	63	16	20	17	63
			106A	6.0	7.2	17	20	15	61	17	20	15	61	20	20	18	63	20	20	18	63
			107A	8.8	10.6	21	25	19	61	21	25	19	61	24	25	22	63	24	25	22	63
			108A	11.5	13.8	25	25	23	61	25	25	23	61	28	30	25	63	28	30	25	63
			109A	14.0	16.8	29	30	26	61	29	30	26	61	32	35	29	63	32	35	29	63
		HIGH	NONE	–	–	16	20	16	79	16	20	16	79	18	20	19	81	18	20	19	81
			106A	6.0	7.2	19	20	17	79	19	20	17	79	22	25	20	81	22	25	20	81
			107A	8.8	10.6	23	25	21	79	23	25	21	79	26	30	24	81	26	30	24	81
			108A	11.5	13.8	27	30	25	79	27	30	25	79	30	30	27	81	30	30	27	81
			109A	14.0	16.8	31	35	28	79	31	35	28	79	34	35	31	81	34	35	31	81
	575–3–60	DD–STD	NONE	–	–	15	20	16	47	15	20	16	47	17	20	18	49	17	20	18	49
			297A	9.2	9.2	24	25	21	47	24	25	21	47	26	30	23	49	26	30	23	49
			298A	13.8	13.8	29	30	27	47	29	30	27	47	31	35	28	49	31	35	28	49
		STD	NONE	–	–	12	15	12	50	12	15	12	50	14	15	14	52	14	15	14	52
			297A	9.2	9.2	20	20	18	50	20	20	18	50	22	25	20	52	22	25	20	52
			298A	13.8	13.8	26	30	23	50	26	30	23	50	28	30	25	52	28	30	25	52
		MED	NONE	–	–	12	15	12	50	12	15	12	50	14	15	14	52	14	15	14	52
			297A	9.2	9.2	20	20	18	50	20	20	18	50	22	25	20	52	22	25	20	52
			298A	13.8	13.8	26	30	23	50	26	30	23	50	28	30	25	52	28	30	25	52
		HIGH	NONE	–	–	13	15	13	54	13	15	13	54	15	20	15	56	15	20	15	56
			297A	9.2	9.2	21	25	19	54	21	25	19	54	23	25	21	56	23	25	21	56
			298A	13.8	13.8	27	30	24	54	27	30	24	54	29	30	26	56	29	30	26	56

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 6 – 50HC with Electric Heat, ERV and Factory-Installed HACR Breaker Sizing Data (cont)

UNIT	NO M. V-Ph-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC-A05 (1-stage cool)	208/230-1-60	DD-STD	NONE	–	–	44	60	44	135	44	60	44	135	49	60	50	140	49	60	50	140
			101A	3.3/4.4	15.9/18.3	44/44	60/60	44/44	135/135	44/44	60/60	44/44	135/135	49/49	60/60	50/50	140/140	49/49	60/60	50/50	140/140
			103B	6.5/8.7	31.4/36.3	65/65	70/70	54/59	135/135	65/65	70/70	54/59	135/135	71/71	80/80	59/65	140/140	71/71	80/80	59/65	140/140
			102A+102A	9.8/13.0	46.9/54.2	87/87	90/90	71/80	135/135	87/87	90/90	71/80	135/135	93/93	100/100	77/85	140/140	93/93	100/100	77/85	140/140
			103B+103B	13.1/17.4	62.8/72.5	110/110	110/110	90/101	135/135	110/110	110/110	90/101	135/135	116/116	125/125	95/106	140/140	116/116	125/125	95/106	140/140
			104B+104B	15.8/21.0	75.8/87.5	129/129	150/150	105/118	135/135	129/129	150/150	105/118	135/135	135/135	150/150	110/124	140/140	135/135	150/150	110/124	140/140
		STD	NONE	–	–	42	60	41	140	42	60	41	140	47	60	47	145	47	60	47	145
			101A	3.3/4.4	15.9/18.3	42/42	60/60	41/41	140/140	42/42	60/60	41/41	140/140	47/47	60/60	47/47	145/145	47/47	60/60	47/47	145/145
			103B	6.5/8.7	31.4/36.3	62/62	70/70	51/56	140/140	62/62	70/70	51/56	140/140	68/68	70/70	56/62	145/145	68/68	70/70	56/62	145/145
			102A+102A	9.8/13.0	46.9/54.2	84/84	90/90	68/77	140/140	84/84	90/90	68/77	140/140	90/90	90/90	74/82	145/145	90/90	90/90	74/82	145/145
			103B+103B	13.1/17.4	62.8/72.5	107/107	110/110	87/98	140/140	107/107	110/110	87/98	140/140	113/113	125/125	92/103	145/145	113/113	125/125	92/103	145/145
			104B+104B	15.8/21.0	75.8/87.5	126/126	150/150	102/115	140/140	126/126	150/150	102/115	140/140	132/132	150/150	107/121	145/145	132/132	150/150	107/121	145/145
		MED	NONE	–	–	42	60	41	140	42	60	41	140	47	60	47	145	47	60	47	145
			101A	3.3/4.4	15.9/18.3	42/42	60/60	41/41	140/140	42/42	60/60	41/41	140/140	47/47	60/60	47/47	145/145	47/47	60/60	47/47	145/145
			103B	6.5/8.7	31.4/36.3	62/62	70/70	51/56	140/140	62/62	70/70	51/56	140/140	68/68	70/70	56/62	145/145	68/68	70/70	56/62	145/145
			102A+102A	9.8/13.0	46.9/54.2	84/84	90/90	68/77	140/140	84/84	90/90	68/77	140/140	90/90	90/90	74/82	145/145	90/90	90/90	74/82	145/145
			103B+103B	13.1/17.4	62.8/72.5	107/107	110/110	87/98	140/140	107/107	110/110	87/98	140/140	113/113	125/125	92/103	145/145	113/113	125/125	92/103	145/145
	208/230-3-60	DD-STD	NONE	–	–	34	45	35	101	34	45	35	101	39	50	41	106	39	50	41	106
			102A	4.9/6.5	13.6/15.6	39/39	45/45	35/36	101/101	39/39	45/45	35/36	101/101	45/45	50/50	41/41	106/106	45/45	50/50	41/41	106/106
			103B	6.5/8.7	18.1/20.9	46/46	50/50	39/42	101/101	46/46	50/50	39/42	101/101	52/52	60/60	44/47	106/106	52/52	60/60	44/47	106/106
			105A	12.0/16.0	33.4/38.5	68/68	70/70	56/62	101/101	68/68	70/70	56/62	101/101	74/74	80/80	62/68	106/106	74/74	80/80	62/68	106/106
			104B+104B	15.8/21.0	43.8/50.5	83/83	90/90	68/76	101/101	83/83	90/90	68/76	101/101	89/89	90/90	74/81	106/106	89/89	90/90	74/81	106/106
		STD	NONE	–	–	32	45	33	113	32	45	33	113	37	50	38	118	37	50	38	118
			102A	4.9/6.5	13.6/15.6	37/37	45/45	33/33	113/113	37/37	45/45	33/33	113/113	43/43	50/50	38/39	118/118	43/43	50/50	38/39	118/118
			103B	6.5/8.7	18.1/20.9	43/43	45/45	36/39	113/113	43/43	45/45	36/39	113/113	49/49	50/50	42/45	118/118	49/49	50/50	42/45	118/118
			105A	12.0/16.0	33.4/38.5	65/65	70/70	54/60	113/113	65/65	70/70	54/60	113/113	71/71	80/80	59/65	118/118	71/71	80/80	59/65	118/118
			104B+104B	15.8/21.0	43.8/50.5	80/80	80/80	66/73	113/113	80/80	80/80	66/73	113/113	86/86	90/90	71/79	118/118	86/86	90/90	71/79	118/118
		MED	NONE	–	–	32/32	45/45	33/32	130	32/32	45/45	33/32	130	37/37	50/50	38/38	135	37/37	50/50	38/38	135
			102A	4.9/6.5	13.6/15.6	36/36	45/45	33/33	130/130	36/36	45/45	33/33	130/130	42/42	50/50	38/38	135/135	42/42	50/50	38/38	135/135
			103B	6.5/8.7	18.1/20.9	43/43	45/45	36/39	130/130	43/43	45/45	36/39	130/130	49/49	50/50	42/44	135/135	49/49	50/50	42/44	135/135
			105A	12.0/16.0	33.4/38.5	65/65	70/70	54/59	130/130	65/65	70/70	54/59	130/130	71/71	80/80	59/65	135/135	71/71	80/80	59/65	135/135
			104B+104B	15.8/21.0	43.8/50.5	80/80	80/80	66/73	130/130	80/80	80/80	66/73	130/130	86/86	90/90	71/79	135/135	86/86	90/90	71/79	135/135
		HIGH	NONE	–	–	35/35	45/45	36/36	166	35/35	45/45	36/36	166	40/40	50/50	42/42	171	40/40	50/50	42/42	171
			102A	4.9/6.5	13.6/15.6	40/40	45/45	36/37	166/166	40/40	45/45	36/37	166/166	46/46	50/50	42/42	171/171	46/46	50/50	42/42	171/171
			103B	6.5/8.7	18.1/20.9	47/47	50/50	40/43	166/166	47/47	50/50	40/43	166/166	53/53	60/60	45/48	171/171	53/53	60/60	45/48	171/171
			105A	12.0/16.0	33.4/38.5	69/69	70/70	57/63	166/166	69/69	70/70	57/63	166/166	75/75	80/80	63/69	171/171	75/75	80/80	63/69	171/171
			104B+104B	15.8/21.0	43.8/50.5	84/84	90/90	69/77	166/166	84/84	90/90	69/77	166/166	90/90	90/90	75/82	171/171	90/90	90/90	75/82	171/171

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 6 – 50HC with Electric Heat, ERV and Factory-Installed HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–A05 (1–stage cool)	460–3–60	DD–STD	NONE	–	–	17	20	17	51	17	20	17	51	19	25	20	53	19	25	20	53
			106A	6.0	7.2	19	20	17	51	19	20	17	51	22	25	20	53	22	25	20	53
			108A	11.5	13.8	27	30	25	51	27	30	25	51	30	30	27	53	30	30	27	53
			109A	14.0	16.8	31	35	28	51	31	35	28	51	34	35	31	53	34	35	31	53
			108A+108A	23.0	27.7	45	45	41	51	45	45	41	51	48	50	43	53	48	50	43	53
		STD	NONE	–	–	16	20	16	56	16	20	16	56	18	20	18	58	18	20	18	58
			106A	6.0	7.2	17	20	16	56	17	20	16	56	20	20	18	58	20	20	18	58
			108A	11.5	13.8	26	30	23	56	26	30	23	56	28	30	26	58	28	30	26	58
			109A	14.0	16.8	29	30	27	56	29	30	27	56	32	35	29	58	32	35	29	58
			108A+108A	23.0	27.7	43	45	39	56	43	45	39	56	46	50	42	58	46	50	42	58
		MED	NONE	–	–	15	20	15	65	15	20	15	65	18	20	18	67	18	20	18	67
			106A	6.0	7.2	17	20	16	65	17	20	16	65	20	20	18	67	20	20	18	67
			108A	11.5	13.8	26	30	23	65	26	30	23	65	28	30	26	67	28	30	26	67
			109A	14.0	16.8	29	30	27	65	29	30	27	65	32	35	29	67	32	35	29	67
			108A+108A	23.0	27.7	43	45	39	65	43	45	39	65	46	50	42	67	46	50	42	67
		HIGH	NONE	–	–	17	20	17	83	17	20	17	83	19	25	20	85	19	25	20	85
			106A	6.0	7.2	19	20	18	83	19	20	18	83	22	25	20	85	22	25	20	85
			108A	11.5	13.8	28	30	25	83	28	30	25	83	30	35	28	85	30	35	28	85
			109A	14.0	16.8	31	35	29	83	31	35	29	83	34	35	31	85	34	35	31	85
			108A+108A	23.0	27.7	45	45	41	83	45	45	41	83	48	50	44	85	48	50	44	85
	575–3–60	DD–STD	NONE	–	–	15	20	16	43	15	20	16	43	17	20	18	45	17	20	18	45
			297A	9.2	9.2	22	25	20	43	22	25	20	43	24	25	22	45	24	25	22	45
			298A	13.8	13.8	27	30	25	43	27	30	25	43	30	30	27	45	30	30	27	45
		STD	NONE	–	–	12	15	12	46	12	15	12	46	14	15	14	48	14	15	14	48
			297A	9.2	9.2	18	20	16	46	18	20	16	46	20	20	18	48	20	20	18	48
			298A	13.8	13.8	24	25	22	46	24	25	22	46	26	30	24	48	26	30	24	48
		MED	NONE	–	–	13	15	13	46	13	15	13	46	14	20	15	48	14	20	15	48
			297A	9.2	9.2	19	20	17	46	19	20	17	46	21	25	19	48	21	25	19	48
			298A	13.8	13.8	24	25	22	46	24	25	22	46	27	30	24	48	27	30	24	48
		HIGH	NONE	–	–	14	15	14	61	14	15	14	61	16	20	16	63	16	20	16	63
			297A	9.2	9.2	20	20	18	61	20	20	18	61	22	25	20	63	22	25	20	63
			298A	13.8	13.8	26	30	23	61	26	30	23	61	28	30	25	63	28	30	25	63

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 6 – 50HC with Electric Heat, ERV and Factory-Installed HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–A06 (1–stage cool)	208/230–1–60	DD–STD	NONE	–	–	48	60	48	152	48	60	48	152	53	60	53	157	53	60	53	157
			102A	4.9/6.5	23.5/27.1	53/53	60/60	48/49	152/152	53/53	60/60	48/49	152/152	59/59	60/60	53/54	157/157	59/59	60/60	53/54	157/157
			103B	6.5/8.7	31.4/36.3	65/65	70/70	54/59	152/152	65/65	70/70	54/59	152/152	71/71	80/80	59/65	157/157	71/71	80/80	59/65	157/157
			102A+102A	9.8/13.0	46.9/54.2	87/87	90/90	71/80	152/152	87/87	90/90	71/80	152/152	93/93	100/100	77/85	157/157	93/93	100/100	77/85	157/157
			103B+103B	13.1/17.4	62.8/72.5	110/110	110/110	90/101	152/152	110/110	110/110	90/101	152/152	116/116	125/125	95/106	157/157	116/116	125/125	95/106	157/157
			104B+104B	15.8/21.0	75.8/87.5	129/129	150/150	105/118	152/152	129/129	150/150	105/118	152/152	135/135	150/150	110/124	157/157	135/135	150/150	110/124	157/157
		STD	NONE	–	–	46	60	45	157	46	60	45	157	51	60	50	162	51	60	50	162
			102A	4.9/6.5	23.5/27.1	50/50	60/60	45/46	157/157	50/50	60/60	45/46	157/157	56/56	60/60	50/51	162/162	56/56	60/60	50/51	162/162
			103B	6.5/8.7	31.4/36.3	62/62	70/70	51/56	157/157	62/62	70/70	51/56	157/157	68/68	70/70	56/62	162/162	68/68	70/70	56/62	162/162
			102A+102A	9.8/13.0	46.9/54.2	84/84	90/90	68/77	157/157	84/84	90/90	68/77	157/157	90/90	90/90	74/82	162/162	90/90	90/90	74/82	162/162
			103B+103B	13.1/17.4	62.8/72.5	107/107	110/110	87/98	157/157	107/107	110/110	87/98	157/157	113/113	125/125	92/103	162/162	113/113	125/125	92/103	162/162
			104B+104B	15.8/21.0	75.8/87.5	126/126	150/150	102/115	157/157	126/126	150/150	102/115	157/157	132/132	150/150	107/121	162/162	132/132	150/150	107/121	162/162
		MED	NONE	–	–	48	60	47	182	48	60	47	182	53	60	53	187	53	60	53	187
			102A	4.9/6.5	23.5/27.1	53/53	60/60	47/48	182/182	53/53	60/60	47/48	182/182	59/59	60/60	53/54	187/187	59/59	60/60	53/54	187/187
			103B	6.5/8.7	31.4/36.3	64/64	70/70	53/59	182/182	64/64	70/70	53/59	182/182	70/70	70/70	59/64	187/187	70/70	70/70	59/64	187/187
			102A+102A	9.8/13.0	46.9/54.2	87/87	90/90	71/79	182/182	87/87	90/90	71/79	182/182	93/93	100/100	76/85	187/187	93/93	100/100	76/85	187/187
			103B+103B	13.1/17.4	62.8/72.5	110/110	110/110	89/100	182/182	110/110	110/110	89/100	182/182	116/116	125/125	95/106	187/187	116/116	125/125	95/106	187/187
			104B+104B	15.8/21.0	75.8/87.5	128/128	150/150	104/118	182/182	128/128	150/150	104/118	182/182	134/134	150/150	110/123	187/187	134/134	150/150	110/123	187/187
	208/230–3–60	DD–STD	NONE	–	–	37	50	38	128	37	50	38	128	42	50	43	133	42	50	43	133
			102A	4.9/6.5	13.6/15.6	39/39	50/50	38/38	128/128	39/39	50/50	38/38	128/128	45/45	50/50	43/43	133/133	45/45	50/50	43/43	133/133
			104B	7.9/10.5	21.9/25.3	51/51	60/60	43/47	128/128	51/51	60/60	43/47	128/128	57/57	60/60	49/52	133/133	57/57	60/60	49/52	133/133
			105A	12.0/16.0	33.4/38.5	68/68	70/70	56/62	128/128	68/68	70/70	56/62	128/128	74/74	80/80	62/68	133/133	74/74	80/80	62/68	133/133
			104B+104B	15.8/21.0	43.8/50.5	83/83	90/90	68/76	128/128	83/83	90/90	68/76	128/128	89/89	90/90	74/81	133/133	89/89	90/90	74/81	133/133
			104B+105A	19.9/26.5	55.2/63.8	100/100	100/100	81/91	128/128	100/100	100/100	81/91	128/128	106/106	110/110	87/97	133/133	106/106	110/110	87/97	133/133
		STD	NONE	–	–	35	50	35	140	35	50	35	140	40	50	41	145	40	50	41	145
			102A	4.9/6.5	13.6/15.6	37/37	50/50	35/35	140/140	37/37	50/50	35/35	140/140	43/43	50/50	41/41	145/145	43/43	50/50	41/41	145/145
			104B	7.9/10.5	21.9/25.3	49/49	50/50	40/44	140/140	49/49	50/50	40/44	140/140	55/55	60/60	46/50	145/145	55/55	60/60	46/50	145/145
			105A	12.0/16.0	33.4/38.5	65/65	70/70	54/60	140/140	65/65	70/70	54/60	140/140	71/71	80/80	59/65	145/145	71/71	80/80	59/65	145/145
			104B+104B	15.8/21.0	43.8/50.5	80/80	80/80	66/73	140/140	80/80	80/80	66/73	140/140	86/86	90/90	71/79	145/145	86/86	90/90	71/79	145/145
			104B+105A	19.9/26.5	55.2/63.8	97/97	100/100	79/89	140/140	97/97	100/100	79/89	140/140	103/103	110/110	84/94	145/145	103/103	110/110	84/94	145/145
		MED	NONE	–	–	38/38	50/50	39/39	193	38/38	50/50	39/39	193	43/43	50/50	44/44	198	43/43	50/50	44/44	198
			102A	4.9/6.5	13.6/15.6	40/40	50/50	39/39	193/193	40/40	50/50	39/39	193/193	46/46	50/50	44/44	198/198	46/46	50/50	44/44	198/198
			104B	7.9/10.5	21.9/25.3	53/53	60/60	44/48	193/193	53/53	60/60	44/48	193/193	59/59	60/60	50/53	198/198	59/59	60/60	50/53	198/198
			105A	12.0/16.0	33.4/38.5	69/69	70/70	57/63	193/193	69/69	70/70	57/63	193/193	75/75	80/80	63/69	198/198	75/75	80/80	63/69	198/198
			104B+104B	15.8/21.0	43.8/50.5	84/84	90/90	69/77	193/193	84/84	90/90	69/77	193/193	90/90	90/90	75/82	198/198	90/90	90/90	75/82	198/198
			104B+105A	19.9/26.5	55.2/63.8	101/101	110/110	82/92	193/193	101/101	110/110	82/92	193/193	107/107	110/110	88/98	198/198	107/107	110/110	88/98	198/198
		HIGH	NONE	–	–	38/38	50/50	39/39	193	38/38	50/50	39/39	193	43/43	50/50	44/44	198	43/43	50/50	44/44	198
			102A	4.9/6.5	13.6/15.6	40/40	50/50	39/39	193/193	40/40	50/50	39/39	193/193	46/46	50/50	44/44	198/198	46/46	50/50	44/44	198/198
			104B	7.9/10.5	21.9/25.3	53/53	60/60	44/48	193/193	53/53	60/60	44/48	193/193	59/59	60/60	50/53	198/198	59/59	60/60	50/53	198/198
			105A	12.0/16.0	33.4/38.5	69/69	70/70	57/63	193/193	69/69	70/70	57/63	193/193	75/75	80/80	63/69	198/198	75/75	80/80	63/69	198/198
			104B+104B	15.8/21.0	43.8/50.5	84/84	90/90	69/77	193/193	84/84	90/90	69/77	193/193	90/90	90/90	75/82	198/198	90/90	90/90	75/82	198/198
			104B+105A	19.9/26.5	55.2/63.8	101/101	110/110	82/92	193/193	101/101	110/110	82/92	193/193	107/107	110/110	88/98	198/198	107/107	110/110	88/98	198/198

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 6 – 50HC with Electric Heat, ERV and Factory–Installed HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–A06 (1–stage cool)	460–3–60	DD–STD	NONE	–	–	18	20	18	62	18	20	18	62	20	25	21	64	20	25	21	64
			106A	6.0	7.2	19	20	18	62	19	20	18	62	22	25	21	64	22	25	21	64
			108A	11.5	13.8	27	30	25	62	27	30	25	62	30	30	27	64	30	30	27	64
			109A	14.0	16.8	31	35	28	62	31	35	28	62	34	35	31	64	34	35	31	64
			108A+108A	23.0	27.7	45	45	41	62	45	45	41	62	48	50	43	64	48	50	43	64
			108A+109A	25.5	30.7	49	50	44	62	49	50	44	62	51	60	47	64	51	60	47	64
		STD	NONE	–	–	17	20	16	67	17	20	16	67	19	25	19	69	19	25	19	69
			106A	6.0	7.2	17	20	16	67	17	20	16	67	20	25	19	69	20	25	19	69
			108A	11.5	13.8	26	30	23	67	26	30	23	67	28	30	26	69	28	30	26	69
			109A	14.0	16.8	29	30	27	67	29	30	27	67	32	35	29	69	32	35	29	69
			108A+108A	23.0	27.7	43	45	39	67	43	45	39	67	46	50	42	69	46	50	42	69
			108A+109A	25.5	30.7	47	50	43	67	47	50	43	67	50	50	45	69	50	50	45	69
		MED	NONE	–	–	18	20	18	94	18	20	18	94	20	25	21	96	20	25	21	96
			106A	6.0	7.2	19	20	18	94	19	20	18	94	22	25	21	96	22	25	21	96
			108A	11.5	13.8	28	30	25	94	28	30	25	94	30	35	28	96	30	35	28	96
			109A	14.0	16.8	31	35	29	94	31	35	29	94	34	35	31	96	34	35	31	96
			108A+108A	23.0	27.7	45	45	41	94	45	45	41	94	48	50	44	96	48	50	44	96
			108A+109A	25.5	30.7	49	50	45	94	49	50	45	94	52	60	47	96	52	60	47	96
		HIGH	NONE	–	–	18	20	18	94	18	20	18	94	20	25	21	96	20	25	21	96
			106A	6.0	7.2	19	20	18	94	19	20	18	94	22	25	21	96	22	25	21	96
			108A	11.5	13.8	28	30	25	94	28	30	25	94	30	35	28	96	30	35	28	96
			109A	14.0	16.8	31	35	29	94	31	35	29	94	34	35	31	96	34	35	31	96
			108A+108A	23.0	27.7	45	45	41	94	45	45	41	94	48	50	44	96	48	50	44	96
			108A+109A	25.5	30.7	49	50	45	94	49	50	45	94	52	60	47	96	52	60	47	96
	575–3–60	DD–STD	NONE	–	–	16	20	16	50	16	20	16	50	17	20	18	52	17	20	18	52
			298A	13.8	13.8	27	30	25	50	27	30	25	50	30	30	27	52	30	30	27	52
			301A	23.0	23.1	39	40	36	50	39	40	36	50	41	45	38	52	41	45	38	52
		STD	NONE	–	–	13	15	13	53	13	15	13	53	14	20	15	55	14	20	15	55
			298A	13.8	13.8	24	25	22	53	24	25	22	53	26	30	24	55	26	30	24	55
			301A	23.0	23.1	36	40	32	53	36	40	32	53	38	40	34	55	38	40	34	55
		MED	NONE	–	–	14	15	14	57	14	15	14	57	15	20	16	59	15	20	16	59
			298A	13.8	13.8	25	25	23	57	25	25	23	57	27	30	25	59	27	30	25	59
			301A	23.0	23.1	37	40	33	57	37	40	33	57	39	40	35	59	39	40	35	59
		HIGH	NONE	–	–	14	20	15	68	14	20	15	68	16	20	16	70	16	20	16	70
			298A	13.8	13.8	26	30	23	68	26	30	23	68	28	30	25	70	28	30	25	70
			301A	23.0	23.1	38	40	34	68	38	40	34	68	40	40	36	70	40	40	36	70

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 6 – 50HC with Electric Heat, ERV and Factory-Installed HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–A07 (1–stage cool)	208/230–3–60	STD	NONE	–	–	41	60	41	169	41	60	41	169	46	60	47	174	46	60	47	174
			264A	4.9/6.5	13.6/15.6	41/41	60/60	41/41	169/169	41/41	60/60	41/41	169/169	46/46	60/60	47/47	174/174	46/46	60/60	47/47	174/174
			117A	7.8/10.4	21.7/25.0	48/48	60/60	41/44	169/169	48/48	60/60	41/44	169/169	54/54	60/60	47/50	174/174	54/54	60/60	47/50	174/174
			110A	12.0/16.0	33.4/38.5	65/65	70/70	54/60	169/169	65/65	70/70	54/60	169/169	71/71	80/80	59/65	174/174	71/71	80/80	59/65	174/174
			117A+117A	15.8/21.0	43.8/50.5	80/80	80/80	66/73	169/169	80/80	80/80	66/73	169/169	86/86	90/90	71/79	174/174	86/86	90/90	71/79	174/174
			110A+117A	19.9/26.5	55.2/63.8	97/97	100/100	79/89	169/169	97/97	100/100	79/89	169/169	103/103	110/110	84/94	174/174	103/103	110/110	84/94	174/174
		MED	NONE	–	–	44/44	60/60	45/45	222	44/44	60/60	45/45	222	49/49	60/60	50/50	227	49/49	60/60	50/50	227
			264A	4.9/6.5	13.6/15.6	44/44	60/60	45/45	222/222	44/44	60/60	45/45	222/222	49/49	60/60	50/50	227/227	49/49	60/60	50/50	227/227
			117A	7.8/10.4	21.7/25.0	52/52	60/60	45/48	222/222	52/52	60/60	45/48	222/222	58/58	60/60	50/53	227/227	58/58	60/60	50/53	227/227
			110A	12.0/16.0	33.4/38.5	69/69	70/70	57/63	222/222	69/69	70/70	57/63	222/222	75/75	80/80	63/69	227/227	75/75	80/80	63/69	227/227
			117A+117A	15.8/21.0	43.8/50.5	84/84	90/90	69/77	222/222	84/84	90/90	69/77	222/222	90/90	90/90	75/82	227/227	90/90	90/90	75/82	227/227
			110A+117A	19.9/26.5	55.2/63.8	101/101	110/110	82/92	222/222	101/101	110/110	82/92	222/222	107/107	110/110	88/98	227/227	107/107	110/110	88/98	227/227
		HIGH	NONE	–	–	50/50	60/60	51/50	238	50/50	60/60	51/50	238	54/54	60/60	56/55	243	54/54	60/60	56/55	243
			264A	4.9/6.5	13.6/15.6	50/50	60/60	51/50	238/238	50/50	60/60	51/50	238/238	54/54	60/60	56/55	243/243	54/54	60/60	56/55	243/243
			117A	7.8/10.4	21.7/25.0	58/58	60/60	51/53	238/238	58/58	60/60	51/53	238/238	64/64	70/70	56/58	243/243	64/64	70/70	56/58	243/243
			110A	12.0/16.0	33.4/38.5	75/75	80/80	63/68	238/238	75/75	80/80	63/68	238/238	81/81	90/90	69/74	243/243	81/81	90/90	69/74	243/243
			117A+117A	15.8/21.0	43.8/50.5	90/90	90/90	75/82	238/238	90/90	90/90	75/82	238/238	96/96	100/100	81/87	243/243	96/96	100/100	81/87	243/243
			110A+117A	19.9/26.5	55.2/63.8	106/106	110/110	88/97	238/238	106/106	110/110	88/97	238/238	112/112	125/125	94/103	243/243	112/112	125/125	94/103	243/243
	460–3–60	STD	NONE	–	–	19	25	19	83	19	25	19	83	21	25	21	85	21	25	21	85
			265A	6.0	7.2	19	25	19	83	19	25	19	83	21	25	21	85	21	25	21	85
			266A	11.5	13.8	26	30	23	83	26	30	23	83	28	30	26	85	28	30	26	85
			267A	14.0	16.8	29	30	27	83	29	30	27	83	32	35	29	85	32	35	29	85
			268A	23.0	27.7	43	45	39	83	43	45	39	83	46	50	42	85	46	50	42	85
			269A	25.5	30.7	47	50	43	83	47	50	43	83	50	50	45	85	50	50	45	85
		MED	NONE	–	–	20	25	20	110	20	25	20	110	23	30	23	112	23	30	23	112
			265A	6.0	7.2	20	25	20	110	20	25	20	110	23	30	23	112	23	30	23	112
			266A	11.5	13.8	28	30	25	110	28	30	25	110	30	35	28	112	30	35	28	112
			267A	14.0	16.8	31	35	29	110	31	35	29	110	34	35	31	112	34	35	31	112
			268A	23.0	27.7	45	45	41	110	45	45	41	110	48	50	44	112	48	50	44	112
			269A	25.5	30.7	49	50	45	110	49	50	45	110	52	60	47	112	52	60	47	112
		HIGH	NONE	–	–	23	30	23	118	23	30	23	118	25	30	26	120	25	30	26	120
			265A	6.0	7.2	23	30	23	118	23	30	23	118	25	30	26	120	25	30	26	120
			266A	11.5	13.8	30	35	28	118	30	35	28	118	33	35	30	120	33	35	30	120
			267A	14.0	16.8	34	35	31	118	34	35	31	118	37	40	34	120	37	40	34	120
			268A	23.0	27.7	48	50	44	118	48	50	44	118	51	60	46	120	51	60	46	120
			269A	25.5	30.7	52	60	47	118	52	60	47	118	54	60	50	120	54	60	50	120
	575–3–60	STD	NONE	–	–	15	20	15	70	15	20	15	70	17	20	17	72	17	20	17	72
			118A	17.0	20.4	33	35	30	70	33	35	30	70	35	35	32	72	35	35	32	72
			299A	25.7	25.8	39	40	36	70	39	40	36	70	42	45	38	72	42	45	38	72
		MED	NONE	–	–	17	20	17	85	17	20	17	85	18	20	19	87	18	20	19	87
			118A	17.0	20.4	34	35	31	85	34	35	31	85	36	40	33	87	36	40	33	87
			299A	25.7	25.8	41	45	37	85	41	45	37	85	43	45	39	87	43	45	39	87
		HIGH	NONE	–	–	19	25	20	99	19	25	20	99	21	25	22	101	21	25	22	101
			118A	17.0	20.4	38	40	34	99	38	40	34	99	40	40	36	101	40	40	36	101
			299A	25.7	25.8	44	45	41	99	44	45	41	99	47	50	42	101	47	50	42	101

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 6 – 50HC with Electric Heat, ERV and Factory–Installed HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D08 (2–stage cool)	208/230–3–60	STD	NONE	–	–	51	60	54	203	51	60	54	203	56	60	60	208	56	60	60	208
			117A	7.8/10.4	21.7/25.0	53/53	60/60	54/54	203/203	53/53	60/60	54/54	203/203	59/59	60/60	60/60	208/208	59/59	60/60	60/60	208/208
			110A	12.0/16.0	33.4/38.5	70/70	70/70	58/64	203/203	70/70	70/70	58/64	203/203	76/76	80/80	64/70	208/208	76/76	80/80	64/70	208/208
			111A	18.6/24.8	51.7/59.7	97/97	100/100	79/88	203/203	97/97	100/100	79/88	203/203	103/103	110/110	85/94	208/208	103/103	110/110	85/94	208/208
			112A	24.0/32.0	66.7/77.0	118/118	125/125	96/108	203/203	118/118	125/125	96/108	203/203	124/124	125/125	102/114	208/208	124/124	125/125	102/114	208/208
			112A+117A	31.8/42.4	88.4/102.0	149/149	150/150	121/137	203/203	149/149	150/150	121/137	203/203	155/155	175/175	127/143	208/208	155/155	175/175	127/143	208/208
		MED	NONE	–	–	53/53	60/60	56/56	241	53/53	60/60	56/56	241	58/58	70/70	62/62	246	58/58	70/70	62/62	246
			117A	7.8/10.4	21.7/25.0	55/55	60/60	56/56	241/241	55/55	60/60	56/56	241/241	61/61	70/70	62/62	246/246	61/61	70/70	62/62	246/246
			110A	12.0/16.0	33.4/38.5	72/72	80/80	60/66	241/241	72/72	80/80	60/66	241/241	78/78	80/80	66/71	246/246	78/78	80/80	66/71	246/246
			111A	18.6/24.8	51.7/59.7	98/98	100/100	81/90	241/241	98/98	100/100	81/90	241/241	104/104	110/110	87/96	246/246	104/104	110/110	87/96	246/246
			112A	24.0/32.0	66.7/77.0	120/120	125/125	98/110	241/241	120/120	125/125	98/110	241/241	126/126	150/150	104/116	246/246	126/126	150/150	104/116	246/246
			112A+117A	31.8/42.4	88.4/102.0	151/151	175/175	123/139	241/241	151/151	175/175	123/139	241/241	157/157	175/175	129/144	246/246	157/157	175/175	129/144	246/246
		HIGH	NONE	–	–	57	60	61	270	57	60	61	270	61	70	66	275	61	70	66	275
			117A	7.8/10.4	21.7/25.0	60/60	60/60	61/61	270/270	60/60	60/60	61/61	270/270	66/66	70/70	66/66	275/275	66/66	70/70	66/66	275/275
			110A	12.0/16.0	33.4/38.5	77/77	80/80	64/70	270/270	77/77	80/80	64/70	270/270	83/83	90/90	70/76	275/275	83/83	90/90	70/76	275/275
			111A	18.6/24.8	51.7/59.7	103/103	110/110	85/95	270/270	103/103	110/110	85/95	270/270	109/109	110/110	91/100	275/275	109/109	110/110	91/100	275/275
			112A	24.0/32.0	66.7/77.0	125/125	125/125	103/115	270/270	125/125	125/125	103/115	270/270	131/131	150/150	108/120	275/275	131/131	150/150	108/120	275/275
			112A+117A	31.8/42.4	88.4/102.0	156/156	175/175	128/143	270/270	156/156	175/175	128/143	270/270	162/162	175/175	133/149	275/275	162/162	175/175	133/149	275/275
	460–3–60	STD	NONE	–	–	24	25	25	101	24	25	25	101	26	30	28	103	26	30	28	103
			116A	13.9	16.7	31	35	28	101	31	35	28	101	34	35	31	103	34	35	31	103
			113A	16.5	19.8	35	35	32	101	35	35	32	101	38	40	35	103	38	40	35	103
			114A	27.8	33.4	52	60	48	101	52	60	48	101	55	60	50	103	55	60	50	103
			115A	33.0	39.7	60	60	55	101	60	60	55	101	63	70	57	103	63	70	57	103
			114A+116A	41.7	50.2	73	80	67	101	73	80	67	101	76	80	70	103	76	80	70	103
		MED	NONE	–	–	25	30	26	120	25	30	26	120	27	30	29	122	27	30	29	122
			116A	13.9	16.7	32	35	29	120	32	35	29	120	35	35	32	122	35	35	32	122
			113A	16.5	19.8	36	40	33	120	36	40	33	120	39	40	35	122	39	40	35	122
			114A	27.8	33.4	53	60	49	120	53	60	49	120	56	60	51	122	56	60	51	122
			115A	33.0	39.7	61	70	56	120	61	70	56	120	64	70	58	122	64	70	58	122
			114A+116A	41.7	50.2	74	80	68	120	74	80	68	120	77	80	70	122	77	80	70	122
		HIGH	NONE	–	–	27	30	28	135	27	30	28	135	29	30	31	137	29	30	31	137
			116A	13.9	16.7	35	35	32	135	35	35	32	135	38	40	34	137	38	40	34	137
			113A	16.5	19.8	39	40	35	135	39	40	35	135	41	45	38	137	41	45	38	137
			114A	27.8	33.4	56	60	51	135	56	60	51	135	58	60	53	137	58	60	53	137
			115A	33.0	39.7	64	70	58	135	64	70	58	135	66	70	61	137	66	70	61	137
			114A+116A	41.7	50.2	77	80	70	135	77	80	70	135	79	80	73	137	79	80	73	137
	575–3–60	STD	NONE	–	–	18	20	19	83	18	20	19	83	20	25	21	85	20	25	21	85
			118A	17.0	20.4	35	35	32	83	35	35	32	83	37	40	34	85	37	40	34	85
			119A	34.0	40.9	60	60	55	83	60	60	55	83	63	70	57	85	63	70	57	85
		MED	NONE	–	–	19	20	20	87	19	20	20	87	20	25	22	89	20	25	22	89
			118A	17.0	20.4	35	35	32	87	35	35	32	87	37	40	34	89	37	40	34	89
			119A	34.0	40.9	61	70	56	87	61	70	56	87	63	70	58	89	63	70	58	89
		HIGH	NONE	–	–	19	20	21	98	19	20	21	98	21	25	22	100	21	25	22	100
			118A	17.0	20.4	36	40	33	98	36	40	33	98	38	40	35	100	38	40	35	100
			119A	34.0	40.9	62	70	57	98	62	70	57	98	64	70	58	100	64	70	58	100

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 6 – 50HC with Electric Heat, ERV and Factory–Installed HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D09 (2–stage cool)	208/230–3–60	STD	NONE	–	–	51	60	55	203	51	60	55	203	56	60	60	208	56	60	60	208
			117A	7.8/10.4	21.7/25.0	53/53	60/60	55/55	203/203	53/53	60/60	55/55	203/203	59/59	60/60	60/60	208/208	59/59	60/60	60/60	208/208
			110A	12.0/16.0	33.4/38.5	70/70	70/70	58/64	203/203	70/70	70/70	58/64	203/203	76/76	80/80	64/70	208/208	76/76	80/80	64/70	208/208
			111A	18.6/24.8	51.7/59.7	97/97	100/100	79/88	203/203	97/97	100/100	79/88	203/203	103/103	110/110	85/94	208/208	103/103	110/110	85/94	208/208
			112A	24.0/32.0	66.7/77.0	118/118	125/125	96/108	203/203	118/118	125/125	96/108	203/203	124/124	125/125	102/114	208/208	124/124	125/125	102/114	208/208
			112A+117A	31.8/42.4	88.4/102.0	149/149	150/150	121/137	203/203	149/149	150/150	121/137	203/203	155/155	175/175	127/143	208/208	155/155	175/175	127/143	208/208
		MED	NONE	–	–	53/53	60/60	57/56	241	53/53	60/60	57/56	241	58/58	70/70	62/62	246	58/58	70/70	62/62	246
			117A	7.8/10.4	21.7/25.0	55/55	60/60	57/56	241/241	55/55	60/60	57/56	241/241	61/61	70/70	62/62	246/246	61/61	70/70	62/62	246/246
			110A	12.0/16.0	33.4/38.5	72/72	80/80	60/66	241/241	72/72	80/80	60/66	241/241	78/78	80/80	66/71	246/246	78/78	80/80	66/71	246/246
			111A	18.6/24.8	51.7/59.7	98/98	100/100	81/90	241/241	98/98	100/100	81/90	241/241	104/104	110/110	87/96	246/246	104/104	110/110	87/96	246/246
			112A	24.0/32.0	66.7/77.0	120/120	125/125	98/110	241/241	120/120	125/125	98/110	241/241	126/126	150/150	104/116	246/246	126/126	150/150	104/116	246/246
			112A+117A	31.8/42.4	88.4/102.0	151/151	175/175	123/139	241/241	151/151	175/175	123/139	241/241	157/157	175/175	129/144	246/246	157/157	175/175	129/144	246/246
		HIGH	NONE	–	–	57	60	61	270	57	60	61	270	62	70	66	275	62	70	66	275
			117A	7.8/10.4	21.7/25.0	60/60	60/60	61/61	270/270	60/60	60/60	61/61	270/270	66/66	70/70	66/66	275/275	66/66	70/70	66/66	275/275
			110A	12.0/16.0	33.4/38.5	77/77	80/80	64/70	270/270	77/77	80/80	64/70	270/270	83/83	90/90	70/76	275/275	83/83	90/90	70/76	275/275
			111A	18.6/24.8	51.7/59.7	103/103	110/110	85/95	270/270	103/103	110/110	85/95	270/270	109/109	110/110	91/100	275/275	109/109	110/110	91/100	275/275
			112A	24.0/32.0	66.7/77.0	125/125	125/125	103/115	270/270	125/125	125/125	103/115	270/270	131/131	150/150	108/120	275/275	131/131	150/150	108/120	275/275
			112A+117A	31.8/42.4	88.4/102.0	156/156	175/175	128/143	270/270	156/156	175/175	128/143	270/270	162/162	175/175	133/149	275/275	162/162	175/175	133/149	275/275
	460–3–60	STD	NONE	–	–	24	30	25	101	24	30	25	101	26	30	28	103	26	30	28	103
			116A	13.9	16.7	31	35	28	101	31	35	28	101	34	35	31	103	34	35	31	103
			113A	16.5	19.8	35	35	32	101	35	35	32	101	38	40	35	103	38	40	35	103
			114A	27.8	33.4	52	60	48	101	52	60	48	101	55	60	50	103	55	60	50	103
			115A	33.0	39.7	60	60	55	101	60	60	55	101	63	70	57	103	63	70	57	103
			114A+116A	41.7	50.2	73	80	67	101	73	80	67	101	76	80	70	103	76	80	70	103
		MED	NONE	–	–	25	30	26	120	25	30	26	120	27	30	29	122	27	30	29	122
			116A	13.9	16.7	32	35	29	120	32	35	29	120	35	35	32	122	35	35	32	122
			113A	16.5	19.8	36	40	33	120	36	40	33	120	39	40	35	122	39	40	35	122
			114A	27.8	33.4	53	60	49	120	53	60	49	120	56	60	51	122	56	60	51	122
			115A	33.0	39.7	61	70	56	120	61	70	56	120	64	70	58	122	64	70	58	122
			114A+116A	41.7	50.2	74	80	68	120	74	80	68	120	77	80	70	122	77	80	70	122
		HIGH	NONE	–	–	27	30	28	135	27	30	28	135	29	35	31	137	29	35	31	137
			116A	13.9	16.7	35	35	32	135	35	35	32	135	38	40	34	137	38	40	34	137
			113A	16.5	19.8	39	40	35	135	39	40	35	135	41	45	38	137	41	45	38	137
			114A	27.8	33.4	56	60	51	135	56	60	51	135	58	60	53	137	58	60	53	137
			115A	33.0	39.7	64	70	58	135	64	70	58	135	66	70	61	137	66	70	61	137
			114A+116A	41.7	50.2	77	80	70	135	77	80	70	135	79	80	73	137	79	80	73	137
	575–3–60	STD	NONE	–	–	20	25	21	83	20	25	21	83	21	25	22	85	21	25	22	85
			118A	17.0	20.4	35	35	32	83	35	35	32	83	37	40	34	85	37	40	34	85
			119A	34.0	40.9	60	60	55	83	60	60	55	83	63	70	57	85	63	70	57	85
		MED	NONE	–	–	20	25	21	87	20	25	21	87	22	25	23	89	22	25	23	89
			118A	17.0	20.4	35	35	32	87	35	35	32	87	37	40	34	89	37	40	34	89
			119A	34.0	40.9	61	70	56	87	61	70	56	87	63	70	58	89	63	70	58	89
		HIGH	NONE	–	–	21	25	22	98	21	25	22	98	22	25	24	100	22	25	24	100
			118A	17.0	20.4	36	40	33	98	36	40	33	98	38	40	35	100	38	40	35	100
			119A	34.0	40.9	62	70	57	98	62	70	57	98	64	70	58	100	64	70	58	100

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 6 – 50HC with Electric Heat, ERV and Factory-Installed HACR Breaker Sizing Data (cont)

UNIT	NOM. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D11 (2–stage cool)	208/230–3–60	STD	NONE	–	–	61	70	65	269	61	70	65	269	66	80	70	274	66	80	70	274
			117A	7.8/10.4	21.7/25.0	61/61	70/70	65/65	269/269	61/61	70/70	65/65	269/269	66/66	80/80	70/70	274/274	66/66	80/80	70/70	274/274
			110A	12.0/16.0	33.4/38.5	70/70	70/70	65/65	269/269	70/70	70/70	65/65	269/269	76/76	80/80	70/70	274/274	76/76	80/80	70/70	274/274
			112A	24.0/32.0	66.7/77.0	118/118	125/125	96/108	269/269	118/118	125/125	96/108	269/269	124/124	125/125	102/114	274/274	124/124	125/125	102/114	274/274
			112A+117A	31.8/42.4	88.4/102.0	149/149	150/150	121/137	269/269	149/149	150/150	121/137	269/269	155/155	175/175	127/143	274/274	155/155	175/175	127/143	274/274
			112A+110A	37.6/50.0	104.2/120.3	152/152	175/175	140/158	269/269	152/152	175/175	140/158	269/269	158/158	175/175	145/164	274/274	158/158	175/175	145/164	274/274
		MED	NONE	–	–	66	80	71	325	66	80	71	325	71	80	77	330	71	80	77	330
			117A	7.8/10.4	21.7/25.0	66/66	80/80	71/71	325/325	66/66	80/80	71/71	325/325	71/71	80/80	77/77	330/330	71/71	80/80	77/77	330/330
			110A	12.0/16.0	33.4/38.5	77/77	80/80	71/71	325/325	77/77	80/80	71/71	325/325	83/83	90/90	77/77	330/330	83/83	90/90	77/77	330/330
			112A	24.0/32.0	66.7/77.0	125/125	125/125	103/115	325/325	125/125	125/125	103/115	325/325	131/131	150/150	108/120	330/330	131/131	150/150	108/120	330/330
			112A+117A	31.8/42.4	88.4/102.0	156/156	175/175	128/143	325/325	156/156	175/175	128/143	325/325	162/162	175/175	133/149	330/330	162/162	175/175	133/149	330/330
			112A+110A	37.6/50.0	104.2/120.3	159/159	175/175	146/164	325/325	159/159	175/175	146/164	325/325	165/165	175/175	151/170	330/330	165/165	175/175	151/170	330/330
		HIGH	NONE	–	–	69/69	80/80	74/73	327	69/69	80/80	74/73	327	74/74	80/80	80/79	332	74/74	80/80	80/79	332
			117A	7.8/10.4	21.7/25.0	69/69	80/80	74/73	327/327	69/69	80/80	74/73	327/327	74/74	80/80	80/79	332/332	74/74	80/80	80/79	332/332
			110A	12.0/16.0	33.4/38.5	79/79	80/80	74/73	327/327	79/79	80/80	74/73	327/327	85/85	90/90	80/79	332/332	85/85	90/90	80/79	332/332
			112A	24.0/32.0	66.7/77.0	128/128	150/150	106/117	327/327	128/128	150/150	106/117	327/327	134/134	150/150	112/122	332/332	134/134	150/150	112/122	332/332
			112A+117A	31.8/42.4	88.4/102.0	159/159	175/175	131/146	327/327	159/159	175/175	131/146	327/327	165/165	175/175	137/151	332/332	165/165	175/175	137/151	332/332
			112A+110A	37.6/50.0	104.2/120.3	163/163	175/175	149/167	327/327	163/163	175/175	149/167	327/327	169/169	175/175	155/172	332/332	169/169	175/175	155/172	332/332
	460–3–60	STD	NONE	–	–	28	30	29	129	28	30	29	129	30	35	32	131	30	35	32	131
			116A	13.9	16.7	31	35	29	129	31	35	29	129	34	35	32	131	34	35	32	131
			113A	16.5	19.8	35	35	32	129	35	35	32	129	38	40	35	131	38	40	35	131
			115A	33.0	39.7	60	60	55	129	60	60	55	129	63	70	57	131	63	70	57	131
			114A+116A	41.7	50.2	73	80	67	129	73	80	67	129	76	80	70	131	76	80	70	131
			115A+113A	50.0	60.1	71	80	78	129	71	80	78	129	73	80	81	131	73	80	81	131
		MED	NONE	–	–	31	35	33	157	31	35	33	157	33	35	35	159	33	35	35	159
			116A	13.9	16.7	35	35	33	157	35	35	33	157	38	40	35	159	38	40	35	159
			113A	16.5	19.8	39	40	35	157	39	40	35	157	41	45	38	159	41	45	38	159
			115A	33.0	39.7	64	70	58	157	64	70	58	157	66	70	61	159	66	70	61	159
			114A+116A	41.7	50.2	77	80	70	157	77	80	70	157	79	80	73	159	79	80	73	159
			115A+113A	50.0	60.1	74	80	81	157	74	80	81	157	77	80	84	159	77	80	84	159
		HIGH	NONE	–	–	32	35	34	158	32	35	34	158	34	40	36	160	34	40	36	160
			116A	13.9	16.7	36	40	34	158	36	40	34	158	39	40	36	160	39	40	36	160
			113A	16.5	19.8	40	40	36	158	40	40	36	158	43	45	39	160	43	45	39	160
			115A	33.0	39.7	65	70	59	158	65	70	59	158	68	70	62	160	68	70	62	160
			114A+116A	41.7	50.2	78	80	71	158	78	80	71	158	81	90	74	160	81	90	74	160
			115A+113A	50.0	60.1	75	80	83	158	75	80	83	158	78	80	85	160	78	80	85	160
	575–3–60	STD	NONE	–	–	23	25	24	101	23	25	24	101	25	30	26	103	25	30	26	103
			118A	17.0	20.4	35	35	32	101	35	35	32	101	37	40	34	103	37	40	34	103
			119A	34.0	40.9	61	70	56	101	61	70	56	101	63	70	58	103	63	70	58	103
			118A+119A	51.0	61.3	71	80	79	101	71	80	79	101	73	80	81	103	73	80	81	103
		MED	NONE	–	–	24	25	25	112	24	25	25	112	25	30	27	114	25	30	27	114
			118A	17.0	20.4	36	40	33	112	36	40	33	112	38	40	35	114	38	40	35	114
			119A	34.0	40.9	62	70	57	112	62	70	57	112	64	70	58	114	64	70	58	114
			118A+119A	51.0	61.3	72	80	80	112	72	80	80	112	74	80	82	114	74	80	82	114
		HIGH	NONE	–	–	27	30	29	126	27	30	29	126	28	30	31	128	28	30	31	128
			118A	17.0	20.4	40	40	36	126	40	40	36	126	42	45	38	128	42	45	38	128
			119A	34.0	40.9	65	70	60	126	65	70	60	126	68	70	62	128	68	70	62	128
			118A+119A	51.0	61.3	76	80	83	126	76	80	83	126	78	80	85	128	78	80	85	128

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 6 – 50HC with Electric Heat, ERV and Factory–Installed HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D12 (2–stage cool)	208/230–3–60	STD	NONE	–	–	60	70	63	294	60	70	63	294	64	70	69	299	64	70	69	299
			117A	7.8/10.4	21.7/25.0	60/60	70/70	63/63	294/294	60/60	70/70	63/63	294/294	64/64	70/70	69/69	299/299	64/64	70/70	69/69	299/299
			110A	12.0/16.0	33.4/38.5	70/70	70/70	63/64	294/294	70/70	70/70	63/64	294/294	76/76	80/80	69/70	299/299	76/76	80/80	69/70	299/299
			112A	24.0/32.0	66.7/77.0	118/118	125/125	96/108	294/294	118/118	125/125	96/108	294/294	124/124	125/125	102/114	299/299	124/124	125/125	102/114	299/299
			112A+117A	31.8/42.4	88.4/102.0	149/149	150/150	121/137	294/294	149/149	150/150	121/137	294/294	155/155	175/175	127/143	299/299	155/155	175/175	127/143	299/299
			112A+110A	37.6/50.0	104.2/120.3	152/152	175/175	140/158	294/294	152/152	175/175	140/158	294/294	158/158	175/175	145/164	299/299	158/158	175/175	145/164	299/299
		MED	NONE	–	–	65	80	70	350	65	80	70	350	70	80	75	355	70	80	75	355
			117A	7.8/10.4	21.7/25.0	65/65	80/80	70/70	350/350	65/65	80/80	70/70	350/350	70/70	80/80	75/75	355/355	70/70	80/80	75/75	355/355
			110A	12.0/16.0	33.4/38.5	77/77	80/80	70/70	350/350	77/77	80/80	70/70	350/350	83/83	90/90	75/76	355/355	83/83	90/90	75/76	355/355
			112A	24.0/32.0	66.7/77.0	125/125	125/125	103/115	350/350	125/125	125/125	103/115	350/350	131/131	150/150	108/120	355/355	131/131	150/150	108/120	355/355
			112A+117A	31.8/42.4	88.4/102.0	156/156	175/175	128/143	350/350	156/156	175/175	128/143	350/350	162/162	175/175	133/149	355/355	162/162	175/175	133/149	355/355
			112A+110A	37.6/50.0	104.2/120.3	159/159	175/175	146/164	350/350	159/159	175/175	146/164	350/350	165/165	175/175	151/170	355/355	165/165	175/175	151/170	355/355
		HIGH	NONE	–	–	68/68	80/80	73/72	352	68/68	80/80	73/72	352	73/73	80/80	79/78	357	73/73	80/80	79/78	357
			117A	7.8/10.4	21.7/25.0	68/68	80/80	73/72	352/352	68/68	80/80	73/72	352/352	73/73	80/80	79/78	357/357	73/73	80/80	79/78	357/357
			110A	12.0/16.0	33.4/38.5	79/79	80/80	73/73	352/352	79/79	80/80	73/73	352/352	85/85	90/90	79/78	357/357	85/85	90/90	79/78	357/357
			112A	24.0/32.0	66.7/77.0	128/128	150/150	106/117	352/352	128/128	150/150	106/117	352/352	134/134	150/150	112/122	357/357	134/134	150/150	112/122	357/357
			112A+117A	31.8/42.4	88.4/102.0	159/159	175/175	131/146	352/352	159/159	175/175	131/146	352/352	165/165	175/175	137/151	357/357	165/165	175/175	137/151	357/357
			112A+110A	37.6/50.0	104.2/120.3	163/163	175/175	149/167	352/352	163/163	175/175	149/167	352/352	169/169	175/175	155/172	357/357	169/169	175/175	155/172	357/357
	460–3–60	STD	NONE	–	–	29	35	31	141	29	35	31	141	31	35	33	143	31	35	33	143
			116A	13.9	16.7	31	35	31	141	31	35	31	141	34	35	33	143	34	35	33	143
			113A	16.5	19.8	35	35	32	141	35	35	32	141	38	40	35	143	38	40	35	143
			115A	33.0	39.7	60	60	55	141	60	60	55	141	63	70	57	143	63	70	57	143
			114A+116A	41.7	50.2	73	80	67	141	73	80	67	141	76	80	70	143	76	80	70	143
			115A+113A	50.0	60.1	71	80	78	141	71	80	78	141	73	80	81	143	73	80	81	143
		MED	NONE	–	–	32	35	34	169	32	35	34	169	34	40	36	171	34	40	36	171
			116A	13.9	16.7	35	35	34	169	35	35	34	169	38	40	36	171	38	40	36	171
			113A	16.5	19.8	39	40	35	169	39	40	35	169	41	45	38	171	41	45	38	171
			115A	33.0	39.7	64	70	58	169	64	70	58	169	66	70	61	171	66	70	61	171
			114A+116A	41.7	50.2	77	80	70	169	77	80	70	169	79	80	73	171	79	80	73	171
			115A+113A	50.0	60.1	74	80	81	169	74	80	81	169	77	80	84	171	77	80	84	171
		HIGH	NONE	–	–	33	35	35	170	33	35	35	170	35	40	37	172	35	40	37	172
			116A	13.9	16.7	36	40	35	170	36	40	35	170	39	40	37	172	39	40	37	172
			113A	16.5	19.8	40	40	36	170	40	40	36	170	43	45	39	172	43	45	39	172
			115A	33.0	39.7	65	70	59	170	65	70	59	170	68	70	62	172	68	70	62	172
			114A+116A	41.7	50.2	78	80	71	170	78	80	71	170	81	90	74	172	81	90	74	172
			115A+113A	50.0	60.1	75	80	83	170	75	80	83	170	78	80	85	172	78	80	85	172
	575–3–60	STD	NONE	–	–	23	25	25	111	23	25	25	111	25	30	27	113	25	30	27	113
			118A	17.0	20.4	35	35	32	111	35	35	32	111	37	40	34	113	37	40	34	113
			119A	34.0	40.9	61	70	56	111	61	70	56	111	63	70	58	113	63	70	58	113
			118A+119A	51.0	61.3	71	80	79	111	71	80	79	111	73	80	81	113	73	80	81	113
		MED	NONE	–	–	24	30	25	122	24	30	25	122	26	30	27	124	26	30	27	124
			118A	17.0	20.4	36	40	33	122	36	40	33	122	38	40	35	124	38	40	35	124
			119A	34.0	40.9	62	70	57	122	62	70	57	122	64	70	58	124	64	70	58	124
			118A+119A	51.0	61.3	72	80	80	122	72	80	80	122	74	80	82	124	74	80	82	124
		HIGH	NONE	–	–	27	30	29	136	27	30	29	136	29	30	31	138	29	30	31	138
			118A	17.0	20.4	40	40	36	136	40	40	36	136	42	45	38	138	42	45	38	138
			119A	34.0	40.9	65	70	60	136	65	70	60	136	68	70	62	138	68	70	62	138
			118A+119A	51.0	61.3	76	80	83	136	76	80	83	136	78	80	85	138	78	80	85	138

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 6 – 50HC with Electric Heat, ERV and Factory–Installed HACR Breaker Sizing Data (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D14 (2–stage cool)	208/230–3–60	STD	NONE	–	–	73	80	77	356	73	80	77	356	78	90	83	361	78	90	83	361
			291A	12.4/16.5	34.4/39.7	80/80	80/80	77/77	356/356	80/80	80/80	77/77	356/356	86/86	90/90	83/83	361/361	86/86	90/90	83/83	361/361
			288A+291A	19.9/26.5	55.3/63.8	110/110	110/110	91/101	356/356	110/110	110/110	91/101	356/356	116/116	125/125	96/106	361/361	116/116	125/125	96/106	361/361
			294A	25.2/33.5	69.9/80.6	131/131	150/150	108/120	356/356	131/131	150/150	108/120	356/356	137/137	150/150	113/125	361/361	137/137	150/150	113/125	361/361
			288A+294A	32.7/43.5	90.7/104.7	161/161	175/175	132/148	356/356	161/161	175/175	132/148	356/356	167/167	175/175	137/153	361/361	167/167	175/175	137/153	361/361
			291A+294A	37.6/50.0	104.3/120.3	160/160	175/175	147/166	356/356	160/160	175/175	147/166	356/356	166/166	175/175	153/171	361/361	166/166	175/175	153/171	361/361
		MED	NONE	–	–	76	90	81	386	76	90	81	386	81	90	87	391	81	90	87	391
			291A	12.4/16.5	34.4/39.7	84/84	90/90	81/81	386/386	84/84	90/90	81/81	386/386	90/90	90/90	87/87	391/391	90/90	90/90	87/87	391/391
			288A+291A	19.9/26.5	55.3/63.8	114/114	125/125	94/104	386/386	114/114	125/125	94/104	386/386	120/120	125/125	100/110	391/391	120/120	125/125	100/110	391/391
			294A	25.2/33.5	69.9/80.6	135/135	150/150	111/123	386/386	135/135	150/150	111/123	386/386	141/141	150/150	117/129	391/391	141/141	150/150	117/129	391/391
			288A+294A	32.7/43.5	90.7/104.7	165/165	175/175	135/151	386/386	165/165	175/175	135/151	386/386	171/171	175/175	141/157	391/391	171/171	175/175	141/157	391/391
			291A+294A	37.6/50.0	104.3/120.3	164/164	175/175	151/169	386/386	164/164	175/175	151/169	386/386	170/170	175/175	156/175	391/391	170/170	175/175	156/175	391/391
		HIGH	NONE	–	–	86	100	92	392	86	100	92	392	91	100	98	397	91	100	98	397
			291A	12.4/16.5	34.4/39.7	96/96	100/100	92/92	392/392	96/96	100/100	92/92	392/392	102/102	110/110	98/98	397/397	102/102	110/110	98/98	397/397
			288A+291A	19.9/26.5	55.3/63.8	126/126	150/150	106/115	392/392	126/126	150/150	106/115	392/392	132/132	150/150	111/121	397/397	132/132	150/150	111/121	397/397
			294A	25.2/33.5	69.9/80.6	147/147	150/150	122/135	392/392	147/147	150/150	122/135	392/392	153/153	175/175	128/140	397/397	153/153	175/175	128/140	397/397
			288A+294A	32.7/43.5	90.7/104.7	177/177	200/200	146/162	392/392	177/177	200/200	146/162	392/392	183/183	200/200	152/168	397/397	183/183	200/200	152/168	397/397
			291A+294A	37.6/50.0	104.3/120.3	177/177	200/200	162/180	392/392	177/177	200/200	162/180	392/392	183/183	200/200	168/186	397/397	183/183	200/200	168/186	397/397
	460–3–60	STD	NONE	–	–	32	35	34	173	32	35	34	173	34	40	36	175	34	40	36	175
			292A	16.5	19.9	38	40	35	173	38	40	35	173	41	45	37	175	41	45	37	175
			289A+292A	26.5	31.9	53	60	49	173	53	60	49	173	56	60	51	175	56	60	51	175
			295A	33.5	40.3	64	70	58	173	64	70	58	173	67	70	61	175	67	70	61	175
			289A+295A	43.5	52.3	79	80	72	173	79	80	72	173	82	90	75	175	82	90	75	175
			292A+295A	50.0	60.2	74	80	81	173	74	80	81	173	76	80	84	175	76	80	84	175
		MED	NONE	–	–	34	40	36	188	34	40	36	188	36	40	38	190	36	40	38	190
			292A	16.5	19.9	41	45	37	188	41	45	37	188	43	45	40	190	43	45	40	190
			289A+292A	26.5	31.9	56	60	51	188	56	60	51	188	58	60	53	190	58	60	53	190
			295A	33.5	40.3	66	70	61	188	66	70	61	188	69	70	63	190	69	70	63	190
			289A+295A	43.5	52.3	81	90	74	188	81	90	74	188	84	90	77	190	84	90	77	190
			292A+295A	50.0	60.2	76	80	83	188	76	80	83	188	79	80	86	190	79	80	86	190
		HIGH	NONE	–	–	39	45	41	191	39	45	41	191	41	50	44	193	41	50	44	193
			292A	16.5	19.9	47	50	43	191	47	50	43	191	50	50	45	193	50	50	45	193
			289A+292A	26.5	31.9	62	70	56	191	62	70	56	191	65	70	59	193	65	70	59	193
			295A	33.5	40.3	72	80	66	191	72	80	66	191	75	80	69	193	75	80	69	193
			289A+295A	43.5	52.3	87	90	80	191	87	90	80	191	90	90	82	193	90	90	82	193
			292A+295A	50.0	60.2	82	90	89	191	82	90	89	191	85	90	92	193	85	90	92	193
	575–3–60	STD	NONE	–	–	27	30	29	145	27	30	29	145	29	35	31	147	29	35	31	147
			293A	16.5	15.9	33	35	30	145	33	35	30	145	35	35	32	147	35	35	32	147
			290A+293A	26.5	25.5	45	45	41	145	45	45	41	145	47	50	43	147	47	50	43	147
			296A	33.5	32.2	53	60	48	145	53	60	48	145	55	60	50	147	55	60	50	147
			290A+296A	43.5	41.8	65	70	59	145	65	70	59	145	67	70	61	147	67	70	61	147
			293A+296A	50.0	48.1	61	70	67	145	61	70	67	145	63	70	69	147	63	70	69	147
		MED	NONE	–	–	27	30	29	145	27	30	29	145	29	35	31	147	29	35	31	147
			293A	16.5	15.9	33	35	30	145	33	35	30	145	35	35	32	147	35	35	32	147
			290A+293A	26.5	25.5	45	45	41	145	45	45	41	145	47	50	43	147	47	50	43	147
			296A	33.5	32.2	53	60	48	145	53	60	48	145	55	60	50	147	55	60	50	147
			290A+296A	43.5	41.8	65	70	59	145	65	70	59	145	67	70	61	147	67	70	61	147
			293A+296A	50.0	48.1	61	70	67	145	61	70	67	145	63	70	69	147	63	70	69	147
		HIGH	NONE	–	–	34	40	36	157	34	40	36	157	36	40	38	159	36	40	38	159
			293A	16.5	15.9	40	40	37	157	40	40	37	157	42	45	39	159	42	45	39	159
			290A+293A	26.5	25.5	52	60	48	157	52	60	48	157	54	60	50	159	54	60	50	159
			296A	33.5	32.2	61	70	55	157	61	70	55	157	63	70	57	159	63	70	57	159
			290A+296A	43.5	41.8	73	80	67	157	73	80	67	157	75	80	68	159	75	80	68	159
			293A+296A	50.0	48.1	69	70	74	157	69	70	74	157	71	80	76	159	71	80	76	159

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 7 – 50HC with Electric Heat, ERV and 2-Speed Indoor Fan Option

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D08 (2–stage cool)	208/230–3–60	STD	NONE	–	–	52/52	60/60	55/55	207	52/52	60/60	55/55	207	57/56	60/60	61/60	212	57/56	60/60	61/60	212
			117A	7.8/10.4	21.7/25.0	52/54	60/60	55/55	207/207	52/54	60/60	55/55	207/207	57/60	60/60	61/60	212/212	57/60	60/60	61/60	212/212
			110A	12.0/16.0	33.4/38.5	64/71	70/80	59/64	207/207	64/71	70/80	59/64	207/207	70/77	70/80	64/70	212/212	70/77	70/80	64/70	212/212
			111A	18.6/24.8	51.7/59.7	87/97	90/100	80/89	207/207	87/97	90/100	80/89	207/207	93/103	100/110	85/94	212/212	93/103	100/110	85/94	212/212
			112A	24.0/32.0	66.7/77.0	106/119	110/125	97/109	207/207	106/119	110/125	97/109	207/207	112/125	125/125	103/114	212/212	112/125	125/125	103/114	212/212
			112A+117A	31.8/42.4	88.4/102.0	133/150	150/150	122/138	207/207	133/150	150/150	122/138	207/207	139/156	150/175	128/143	212/212	139/156	150/175	128/143	212/212
		MED	NONE	–	–	53/53	60/60	57/56	211	53/53	60/60	57/56	211	58/58	70/70	62/62	216	58/58	70/70	62/62	216
			117A	7.8/10.4	21.7/25.0	53/55	60/60	57/56	211/211	53/55	60/60	57/56	211/211	58/61	70/70	62/62	216/216	58/61	70/70	62/62	216/216
			110A	12.0/16.0	33.4/38.5	66/72	70/80	60/66	211/211	66/72	70/80	60/66	211/211	72/78	80/80	66/71	216/216	72/78	80/80	66/71	216/216
			111A	18.6/24.8	51.7/59.7	89/99	90/100	81/90	211/211	89/99	90/100	81/90	211/211	95/105	100/110	87/96	216/216	95/105	100/110	87/96	216/216
			112A	24.0/32.0	66.7/77.0	108/120	110/125	99/110	211/211	108/120	110/125	99/110	211/211	114/126	125/150	104/116	216/216	114/126	125/150	104/116	216/216
			112A+117A	31.8/42.4	88.4/102.0	135/151	150/175	124/139	211/211	135/151	150/175	124/139	211/211	141/157	150/175	129/144	216/216	141/157	150/175	129/144	216/216
		HIGH	NONE	–	–	57/56	60/60	61/60	261	57/56	60/60	61/60	261	62/61	70/70	66/65	266	62/61	70/70	66/65	266
			117A	7.8/10.4	21.7/25.0	57/59	60/60	61/60	261/261	57/59	60/60	61/60	261/261	62/65	70/70	66/65	266/266	62/65	70/70	66/65	266/266
			110A	12.0/16.0	33.4/38.5	71/76	80/80	65/69	261/261	71/76	80/80	65/69	261/261	77/82	80/90	70/75	266/266	77/82	80/90	70/75	266/266
			111A	18.6/24.8	51.7/59.7	94/102	100/110	86/94	261/261	94/102	100/110	86/94	261/261	100/108	100/110	91/99	266/266	100/108	100/110	91/99	266/266
			112A	24.0/32.0	66.7/77.0	112/124	125/125	103/114	261/261	112/124	125/125	103/114	261/261	118/130	125/150	108/119	266/266	118/130	125/150	108/119	266/266
			112A+117A	31.8/42.4	88.4/102.0	139/155	150/175	128/142	261/261	139/155	150/175	128/142	261/261	145/161	150/175	133/148	266/266	145/161	150/175	133/148	266/266
	460–3–60	STD	NONE	–	–	24	30	25	103	24	30	25	103	26	30	28	105	26	30	28	105
			116A	13.9	16.7	32	35	29	103	32	35	29	103	35	35	31	105	35	35	31	105
			113A	16.5	19.8	36	40	32	103	36	40	32	103	38	40	35	105	38	40	35	105
			114A	27.8	33.4	53	60	48	103	53	60	48	103	55	60	51	105	55	60	51	105
			115A	33.0	39.7	61	70	55	103	61	70	55	103	63	70	58	105	63	70	58	105
			114A+116A	41.7	50.2	74	80	67	103	74	80	67	103	76	80	70	105	76	80	70	105
		MED	NONE	–	–	25	30	26	106	25	30	26	106	27	30	29	108	27	30	29	108
			116A	13.9	16.7	32	35	29	106	32	35	29	106	35	35	32	108	35	35	32	108
			113A	16.5	19.8	36	40	33	106	36	40	33	106	39	40	35	108	39	40	35	108
			114A	27.8	33.4	53	60	49	106	53	60	49	106	56	60	51	108	56	60	51	108
			115A	33.0	39.7	61	70	56	106	61	70	56	106	64	70	58	108	64	70	58	108
			114A+116A	41.7	50.2	74	80	68	106	74	80	68	106	77	80	70	108	77	80	70	108
		HIGH	NONE	–	–	26	30	28	131	26	30	28	131	28	30	30	133	28	30	30	133
			116A	13.9	16.7	34	35	31	131	34	35	31	131	37	40	34	133	37	40	34	133
			113A	16.5	19.8	38	40	35	131	38	40	35	131	41	45	37	133	41	45	37	133
			114A	27.8	33.4	55	60	50	131	55	60	50	131	58	60	53	133	58	60	53	133
			115A	33.0	39.7	63	70	58	131	63	70	58	131	66	70	60	133	66	70	60	133
			114A+116A	41.7	50.2	76	80	70	131	76	80	70	131	79	80	72	133	79	80	72	133
	575–3–60	STD	NONE	–	–	19	20	21	85	19	20	21	85	21	25	22	87	21	25	22	87
			118A	17.0	20.4	36	40	33	85	36	40	33	85	38	40	35	87	38	40	35	87
			119A	34.0	40.9	62	70	57	85	62	70	57	85	64	70	58	87	64	70	58	87
		MED	NONE	–	–	20	25	21	89	20	25	21	89	22	25	23	91	22	25	23	91
			118A	17.0	20.4	37	40	34	89	37	40	34	89	39	40	36	91	39	40	36	91
			119A	34.0	40.9	63	70	57	89	63	70	57	89	65	70	59	91	65	70	59	91
		HIGH	NONE	–	–	21	25	22	98	21	25	22	98	23	25	24	100	23	25	24	100
			118A	17.0	20.4	38	40	35	98	38	40	35	98	41	45	37	100	41	45	37	100
			119A	34.0	40.9	64	70	58	98	64	70	58	98	66	70	60	100	66	70	60	100

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 7 – 50HC with Electric Heat, ERV and 2-Speed Indoor Fan Option (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D09 (2–stage cool)	208/230–3–60	STD	NONE	–	–	52/52	60/60	55/55	207	52/52	60/60	55/55	207	57/57	60/60	61/61	212	57/57	60/60	61/61	212
			117A	7.8/10.4	21.7/25.0	52/54	60/60	55/55	207/207	52/54	60/60	55/55	207/207	57/60	60/60	61/61	212/212	57/60	60/60	61/61	212/212
			110A	12.0/16.0	33.4/38.5	64/71	70/80	59/64	207/207	64/71	70/80	59/64	207/207	70/77	70/80	64/70	212/212	70/77	70/80	64/70	212/212
			111A	18.6/24.8	51.7/59.7	87/97	90/100	80/89	207/207	87/97	90/100	80/89	207/207	93/103	100/110	85/94	212/212	93/103	100/110	85/94	212/212
			112A	24.0/32.0	66.7/77.0	106/119	110/125	97/109	207/207	106/119	110/125	97/109	207/207	112/125	125/125	103/114	212/212	112/125	125/125	103/114	212/212
			112A+117A	31.8/42.4	88.4/102.0	133/150	150/150	122/138	207/207	133/150	150/150	122/138	207/207	139/156	150/175	128/143	212/212	139/156	150/175	128/143	212/212
		MED	NONE	–	–	53/53	60/60	57/57	211	53/53	60/60	57/57	211	58/58	70/70	62/62	216	58/58	70/70	62/62	216
			117A	7.8/10.4	21.7/25.0	53/55	60/60	57/57	211/211	53/55	60/60	57/57	211/211	58/61	70/70	62/62	216/216	58/61	70/70	62/62	216/216
			110A	12.0/16.0	33.4/38.5	66/72	70/80	60/66	211/211	66/72	70/80	60/66	211/211	72/78	80/80	66/71	216/216	72/78	80/80	66/71	216/216
			111A	18.6/24.8	51.7/59.7	89/99	90/100	81/90	211/211	89/99	90/100	81/90	211/211	95/105	100/110	87/96	216/216	95/105	100/110	87/96	216/216
			112A	24.0/32.0	66.7/77.0	108/120	110/125	99/110	211/211	108/120	110/125	99/110	211/211	114/126	125/150	104/116	216/216	114/126	125/150	104/116	216/216
			112A+117A	31.8/42.4	88.4/102.0	135/151	150/175	124/139	211/211	135/151	150/175	124/139	211/211	141/157	150/175	129/144	216/216	141/157	150/175	129/144	216/216
		HIGH	NONE	–	–	57/56	70/60	61/60	261	57/56	70/60	61/60	261	62/61	70/70	67/66	266	62/61	70/70	67/66	266
			117A	7.8/10.4	21.7/25.0	57/59	70/60	61/60	261/261	57/59	70/60	61/60	261/261	62/65	70/70	67/66	266/266	62/65	70/70	67/66	266/266
			110A	12.0/16.0	33.4/38.5	71/76	80/80	65/69	261/261	71/76	80/80	65/69	261/261	77/82	80/90	70/75	266/266	77/82	80/90	70/75	266/266
			111A	18.6/24.8	51.7/59.7	94/102	100/110	86/94	261/261	94/102	100/110	86/94	261/261	100/108	100/110	91/99	266/266	100/108	100/110	91/99	266/266
			112A	24.0/32.0	66.7/77.0	112/124	125/125	103/114	261/261	112/124	125/125	103/114	261/261	118/130	125/150	108/119	266/266	118/130	125/150	108/119	266/266
			112A+117A	31.8/42.4	88.4/102.0	139/155	150/175	128/142	261/261	139/155	150/175	128/142	261/261	145/161	150/175	133/148	266/266	145/161	150/175	133/148	266/266
	460–3–60	STD	NONE	–	–	24	30	26	103	24	30	26	103	27	30	28	105	27	30	28	105
			116A	13.9	16.7	32	35	29	103	32	35	29	103	35	35	31	105	35	35	31	105
			113A	16.5	19.8	36	40	32	103	36	40	32	103	38	40	35	105	38	40	35	105
			114A	27.8	33.4	53	60	48	103	53	60	48	103	55	60	51	105	55	60	51	105
			115A	33.0	39.7	61	70	55	103	61	70	55	103	63	70	58	105	63	70	58	105
			114A+116A	41.7	50.2	74	80	67	103	74	80	67	103	76	80	70	105	76	80	70	105
		MED	NONE	–	–	25	30	26	106	25	30	26	106	27	30	29	108	27	30	29	108
			116A	13.9	16.7	32	35	29	106	32	35	29	106	35	35	32	108	35	35	32	108
			113A	16.5	19.8	36	40	33	106	36	40	33	106	39	40	35	108	39	40	35	108
			114A	27.8	33.4	53	60	49	106	53	60	49	106	56	60	51	108	56	60	51	108
			115A	33.0	39.7	61	70	56	106	61	70	56	106	64	70	58	108	64	70	58	108
			114A+116A	41.7	50.2	74	80	68	106	74	80	68	106	77	80	70	108	77	80	70	108
		HIGH	NONE	–	–	26	30	28	131	26	30	28	131	29	30	31	133	29	30	31	133
			116A	13.9	16.7	34	35	31	131	34	35	31	131	37	40	34	133	37	40	34	133
			113A	16.5	19.8	38	40	35	131	38	40	35	131	41	45	37	133	41	45	37	133
			114A	27.8	33.4	55	60	50	131	55	60	50	131	58	60	53	133	58	60	53	133
			115A	33.0	39.7	63	70	58	131	63	70	58	131	66	70	60	133	66	70	60	133
			114A+116A	41.7	50.2	76	80	70	131	76	80	70	131	79	80	72	133	79	80	72	133
	575–3–60	STD	NONE	–	–	21	25	22	85	21	25	22	85	22	25	24	87	22	25	24	87
			118A	17.0	20.4	36	40	33	85	36	40	33	85	38	40	35	87	38	40	35	87
			119A	34.0	40.9	62	70	57	85	62	70	57	85	64	70	58	87	64	70	58	87
		MED	NONE	–	–	21	25	23	89	21	25	23	89	23	25	25	91	23	25	25	91
			118A	17.0	20.4	37	40	34	89	37	40	34	89	39	40	36	91	39	40	36	91
			119A	34.0	40.9	63	70	57	89	63	70	57	89	65	70	59	91	65	70	59	91
		HIGH	NONE	–	–	22	25	24	98	22	25	24	98	24	25	26	100	24	25	26	100
			118A	17.0	20.4	38	40	35	98	38	40	35	98	41	45	37	100	41	45	37	100
			119A	34.0	40.9	64	70	58	98	64	70	58	98	66	70	60	100	66	70	60	100

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 7 – 50HC with Electric Heat, ERV and 2-Speed Indoor Fan Option (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D11 (2–stage cool)	208/230–3–60	STD	NONE	–	–	63/62	70/70	67/67	266	63/62	70/70	67/67	266	67/67	80/80	73/72	271	67/67	80/80	73/72	271
			117A	7.8/10.4	21.7/25.0	63/62	70/70	67/67	266/266	63/62	70/70	67/67	266/266	67/67	80/80	73/72	271/271	67/67	80/80	73/72	271/271
			110A	12.0/16.0	33.4/38.5	66/72	70/80	67/67	266/266	66/72	70/80	67/67	266/266	72/78	80/80	73/72	271/271	72/78	80/80	73/72	271/271
			112A	24.0/32.0	66.7/77.0	108/120	110/125	99/110	266/266	108/120	110/125	99/110	266/266	114/126	125/150	104/116	271/271	114/126	125/150	104/116	271/271
			112A+117A	31.8/42.4	88.4/102.0	135/151	150/175	124/139	266/266	135/151	150/175	124/139	266/266	141/157	150/175	129/144	271/271	141/157	150/175	129/144	271/271
			112A+110A	37.6/50.0	104.2/120.3	155/144	175/150	142/160	266/266	155/144	175/150	142/160	266/266	161/150	175/175	147/165	271/271	161/150	175/175	147/165	271/271
		MED	NONE	–	–	66/65	80/80	71/70	316	66/65	80/80	71/70	316	71/70	80/80	77/76	321	71/70	80/80	77/76	321
			117A	7.8/10.4	21.7/25.0	66/65	80/80	71/70	316/316	66/65	80/80	71/70	316/316	71/70	80/80	77/76	321/321	71/70	80/80	77/76	321/321
			110A	12.0/16.0	33.4/38.5	71/76	80/80	71/70	316/316	71/76	80/80	71/70	316/316	77/82	80/90	77/76	321/321	77/82	80/90	77/76	321/321
			112A	24.0/32.0	66.7/77.0	112/124	125/125	103/114	316/316	112/124	125/125	103/114	316/316	118/130	125/150	108/119	321/321	118/130	125/150	108/119	321/321
			112A+117A	31.8/42.4	88.4/102.0	139/155	150/175	128/142	316/316	139/155	150/175	128/142	316/316	145/161	150/175	133/148	321/321	145/161	150/175	133/148	321/321
			112A+110A	37.6/50.0	104.2/120.3	159/148	175/175	146/163	316/316	159/148	175/175	146/163	316/316	165/154	175/175	152/169	321/321	165/154	175/175	152/169	321/321
		HIGH	NONE	–	–	69/68	80/80	74/73	327	69/68	80/80	74/73	327	74/73	80/80	80/79	332	74/73	80/80	80/79	332
			117A	7.8/10.4	21.7/25.0	69/68	80/80	74/73	327/327	69/68	80/80	74/73	327/327	74/73	80/80	80/79	332/332	74/73	80/80	80/79	332/332
			110A	12.0/16.0	33.4/38.5	74/79	80/80	74/73	327/327	74/79	80/80	74/73	327/327	80/85	80/90	80/79	332/332	80/85	80/90	80/79	332/332
			112A	24.0/32.0	66.7/77.0	116/128	125/150	106/117	327/327	116/128	125/150	106/117	327/327	122/134	125/150	112/122	332/332	122/134	125/150	112/122	332/332
			112A+117A	31.8/42.4	88.4/102.0	143/159	150/175	131/146	327/327	143/159	150/175	131/146	327/327	149/165	150/175	137/151	332/332	149/165	150/175	137/151	332/332
			112A+110A	37.6/50.0	104.2/120.3	163/152	175/175	149/167	327/327	163/152	175/175	149/167	327/327	169/158	175/175	155/172	332/332	169/158	175/175	155/172	332/332
	460–3–60	STD	NONE	–	–	29	30	30	128	29	30	30	128	31	35	33	130	31	35	33	130
			116A	13.9	16.7	32	35	30	128	32	35	30	128	35	35	33	130	35	35	33	130
			113A	16.5	19.8	36	40	33	128	36	40	33	128	39	40	35	130	39	40	35	130
			115A	33.0	39.7	61	70	56	128	61	70	56	128	64	70	58	130	64	70	58	130
			114A+116A	41.7	50.2	74	80	68	128	74	80	68	128	77	80	70	130	77	80	70	130
			115A+113A	50.0	60.1	72	80	79	128	72	80	79	128	74	80	82	130	74	80	82	130
		MED	NONE	–	–	30	35	32	153	30	35	32	153	32	35	35	155	32	35	35	155
			116A	13.9	16.7	34	35	32	153	34	35	32	153	37	40	35	155	37	40	35	155
			113A	16.5	19.8	38	40	35	153	38	40	35	153	41	45	37	155	41	45	37	155
			115A	33.0	39.7	63	70	58	153	63	70	58	153	66	70	60	155	66	70	60	155
			114A+116A	41.7	50.2	76	80	70	153	76	80	70	153	79	80	72	155	79	80	72	155
			115A+113A	50.0	60.1	73	80	81	153	73	80	81	153	76	80	84	155	76	80	84	155
		HIGH	NONE	–	–	32	35	34	158	32	35	34	158	34	40	36	160	34	40	36	160
			116A	13.9	16.7	36	40	34	158	36	40	34	158	39	40	36	160	39	40	36	160
			113A	16.5	19.8	40	40	36	158	40	40	36	158	43	45	39	160	43	45	39	160
			115A	33.0	39.7	65	70	59	158	65	70	59	158	68	70	62	160	68	70	62	160
			114A+116A	41.7	50.2	78	80	71	158	78	80	71	158	81	90	74	160	81	90	74	160
			115A+113A	50.0	60.1	75	80	83	158	75	80	83	158	78	80	85	160	78	80	85	160
	575–3–60	STD	NONE	–	–	24	30	26	103	24	30	26	103	26	30	28	105	26	30	28	105
			118A	17.0	20.4	37	40	34	103	37	40	34	103	39	40	36	105	39	40	36	105
			119A	34.0	40.9	63	70	57	103	63	70	57	103	65	70	59	105	65	70	59	105
			118A+119A	51.0	61.3	73	80	81	103	73	80	81	103	75	80	83	105	75	80	83	105
		MED	NONE	–	–	25	30	27	112	25	30	27	112	27	30	29	114	27	30	29	114
			118A	17.0	20.4	38	40	35	112	38	40	35	112	41	45	37	114	41	45	37	114
			119A	34.0	40.9	64	70	58	112	64	70	58	112	66	70	60	114	66	70	60	114
			118A+119A	51.0	61.3	74	80	82	112	74	80	82	112	76	80	84	114	76	80	84	114
		HIGH	NONE	–	–	27	30	29	126	27	30	29	126	29	35	31	128	29	35	31	128
			118A	17.0	20.4	41	45	37	126	41	45	37	126	43	45	39	128	43	45	39	128
			119A	34.0	40.9	66	70	60	126	66	70	60	126	68	70	62	128	68	70	62	128
			118A+119A	51.0	61.3	76	80	84	126	76	80	84	126	78	80	86	128	78	80	86	128

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 7 – 50HC with Electric Heat, ERV and 2-Speed Indoor Fan Option (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D12 (2–stage cool)	208/230–3–60	STD	NONE	–	–	61/61	70/70	66/65	291	61/61	70/70	66/65	291	66/66	80/80	71/71	296	66/66	80/80	71/71	296
			117A	7.8/10.4	21.7/25.0	61/61	70/70	66/65	291/291	61/61	70/70	66/65	291/291	66/66	80/80	71/71	296/296	66/66	80/80	71/71	296/296
			110A	12.0/16.0	33.4/38.5	66/72	70/80	66/66	291/291	66/72	70/80	66/66	291/291	72/78	80/80	71/71	296/296	72/78	80/80	71/71	296/296
			112A	24.0/32.0	66.7/77.0	108/120	110/125	99/110	291/291	108/120	110/125	99/110	291/291	114/126	125/150	104/116	296/296	114/126	125/150	104/116	296/296
			112A+117A	31.8/42.4	88.4/102.0	135/151	150/175	124/139	291/291	135/151	150/175	124/139	291/291	141/157	150/175	129/144	296/296	141/157	150/175	129/144	296/296
			112A+110A	37.6/50.0	104.2/120.3	155/144	175/150	142/160	291/291	155/144	175/150	142/160	291/291	161/150	175/175	147/165	296/296	161/150	175/175	147/165	296/296
		MED	NONE	–	–	65/64	80/70	70/69	341	65/64	80/70	70/69	341	70/69	80/80	75/74	346	70/69	80/80	75/74	346
			117A	7.8/10.4	21.7/25.0	65/64	80/70	70/69	341/341	65/64	80/70	70/69	341/341	70/69	80/80	75/74	346/346	70/69	80/80	75/74	346/346
			110A	12.0/16.0	33.4/38.5	71/76	80/80	70/69	341/341	71/76	80/80	70/69	341/341	77/82	80/90	75/75	346/346	77/82	80/90	75/75	346/346
			112A	24.0/32.0	66.7/77.0	112/124	125/125	103/114	341/341	112/124	125/125	103/114	341/341	118/130	125/150	108/119	346/346	118/130	125/150	108/119	346/346
			112A+117A	31.8/42.4	88.4/102.0	139/155	150/175	128/142	341/341	139/155	150/175	128/142	341/341	145/161	150/175	133/148	346/346	145/161	150/175	133/148	346/346
			112A+110A	37.6/50.0	104.2/120.3	159/148	175/175	146/163	341/341	159/148	175/175	146/163	341/341	165/154	175/175	152/169	346/346	165/154	175/175	152/169	346/346
		HIGH	NONE	–	–	68/67	80/80	73/72	352	68/67	80/80	73/72	352	73/72	80/80	79/78	357	73/72	80/80	79/78	357
			117A	7.8/10.4	21.7/25.0	68/67	80/80	73/72	352/352	68/67	80/80	73/72	352/352	73/72	80/80	79/78	357/357	73/72	80/80	79/78	357/357
			110A	12.0/16.0	33.4/38.5	74/79	80/80	73/73	352/352	74/79	80/80	73/73	352/352	80/85	80/90	79/78	357/357	80/85	80/90	79/78	357/357
			112A	24.0/32.0	66.7/77.0	116/128	125/150	106/117	352/352	116/128	125/150	106/117	352/352	122/134	125/150	112/122	357/357	122/134	125/150	112/122	357/357
			112A+117A	31.8/42.4	88.4/102.0	143/159	150/175	131/146	352/352	143/159	150/175	131/146	352/352	149/165	150/175	137/151	357/357	149/165	150/175	137/151	357/357
			112A+110A	37.6/50.0	104.2/120.3	163/152	175/175	149/167	352/352	163/152	175/175	149/167	352/352	169/158	175/175	155/172	357/357	169/158	175/175	155/172	357/357
	460–3–60	STD	NONE	–	–	30	35	31	140	30	35	31	140	32	35	34	142	32	35	34	142
			116A	13.9	16.7	32	35	31	140	32	35	31	140	35	35	34	142	35	35	34	142
			113A	16.5	19.8	36	40	33	140	36	40	33	140	39	40	35	142	39	40	35	142
			115A	33.0	39.7	61	70	56	140	61	70	56	140	64	70	58	142	64	70	58	142
			114A+116A	41.7	50.2	74	80	68	140	74	80	68	140	77	80	70	142	77	80	70	142
			115A+113A	50.0	60.1	72	80	79	140	72	80	79	140	74	80	82	142	74	80	82	142
		MED	NONE	–	–	31	35	33	165	31	35	33	165	33	40	36	167	33	40	36	167
			116A	13.9	16.7	34	35	33	165	34	35	33	165	37	40	36	167	37	40	36	167
			113A	16.5	19.8	38	40	35	165	38	40	35	165	41	45	37	167	41	45	37	167
			115A	33.0	39.7	63	70	58	165	63	70	58	165	66	70	60	167	66	70	60	167
			114A+116A	41.7	50.2	76	80	70	165	76	80	70	165	79	80	72	167	79	80	72	167
			115A+113A	50.0	60.1	73	80	81	165	73	80	81	165	76	80	84	167	76	80	84	167
		HIGH	NONE	–	–	33	35	35	170	33	35	35	170	35	40	37	172	35	40	37	172
			116A	13.9	16.7	36	40	35	170	36	40	35	170	39	40	37	172	39	40	37	172
			113A	16.5	19.8	40	40	36	170	40	40	36	170	43	45	39	172	43	45	39	172
			115A	33.0	39.7	65	70	59	170	65	70	59	170	68	70	62	172	68	70	62	172
			114A+116A	41.7	50.2	78	80	71	170	78	80	71	170	81	90	74	172	81	90	74	172
			115A+113A	50.0	60.1	75	80	83	170	75	80	83	170	78	80	85	172	78	80	85	172
	575–3–60	STD	NONE	–	–	25	30	26	113	25	30	26	113	26	30	28	115	26	30	28	115
			118A	17.0	20.4	37	40	34	113	37	40	34	113	39	40	36	115	39	40	36	115
			119A	34.0	40.9	63	70	57	113	63	70	57	113	65	70	59	115	65	70	59	115
			118A+119A	51.0	61.3	73	80	81	113	73	80	81	113	75	80	83	115	75	80	83	115
		MED	NONE	–	–	26	30	27	122	26	30	27	122	27	30	29	124	27	30	29	124
			118A	17.0	20.4	38	40	35	122	38	40	35	122	41	45	37	124	41	45	37	124
			119A	34.0	40.9	64	70	58	122	64	70	58	122	66	70	60	124	66	70	60	124
			118A+119A	51.0	61.3	74	80	82	122	74	80	82	122	76	80	84	124	76	80	84	124
		HIGH	NONE	–	–	28	30	29	136	28	30	29	136	29	35	31	138	29	35	31	138
			118A	17.0	20.4	41	45	37	136	41	45	37	136	43	45	39	138	43	45	39	138
			119A	34.0	40.9	66	70	60	136	66	70	60	136	68	70	62	138	68	70	62	138
			118A+119A	51.0	61.3	76	80	84	136	76	80	84	136	78	80	86	138	78	80	86	138

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 7 – 50HC with Electric Heat, ERV and 2-Speed Indoor Fan Option (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D14 (2–stage cool)	208/230–3–60	STD	NONE	–	–	74/73	80/80	79/78	353	74/73	80/80	79/78	353	79/78	90/90	84/83	358	79/78	90/90	84/83	358
			291A	12.4/16.5	34.4/39.7	74/80	80/80	79/78	353/353	74/80	80/80	79/78	353/353	80/86	90/90	84/83	358/358	80/86	90/90	84/83	358/358
			288A+291A	19.9/26.5	55.3/63.8	101/110	110/110	92/101	353/353	101/110	110/110	92/101	353/353	107/116	110/125	98/106	358/358	107/116	110/125	98/106	358/358
			294A	25.2/33.5	69.9/80.6	119/131	125/150	109/120	353/353	119/131	125/150	109/120	353/353	125/137	125/150	114/126	358/358	125/137	125/150	114/126	358/358
			288A+294A	32.7/43.5	90.7/104.7	145/161	150/175	133/148	353/353	145/161	150/175	133/148	353/353	151/167	175/175	138/153	358/358	151/167	175/175	138/153	358/358
			291A+294A	37.6/50.0	104.3/120.3	162/151	175/175	148/166	353/353	162/151	175/175	148/166	353/353	168/157	175/175	154/171	358/358	168/157	175/175	154/171	358/358
		MED	NONE	–	–	76/75	90/80	81/80	377	76/75	90/80	81/80	377	81/80	90/90	87/86	382	81/80	90/90	87/86	382
			291A	12.4/16.5	34.4/39.7	77/83	90/90	81/80	377/377	77/83	90/90	81/80	377/377	83/89	90/90	87/86	382/382	83/89	90/90	87/86	382/382
			288A+291A	19.9/26.5	55.3/63.8	103/113	110/125	95/103	377/377	103/113	110/125	95/103	377/377	109/119	110/125	100/109	382/382	109/119	110/125	100/109	382/382
			294A	25.2/33.5	69.9/80.6	122/134	125/150	111/123	377/377	122/134	125/150	111/123	377/377	128/140	150/150	117/128	382/382	128/140	150/150	117/128	382/382
			288A+294A	32.7/43.5	90.7/104.7	148/164	150/175	135/150	377/377	148/164	150/175	135/150	377/377	154/170	175/175	141/156	382/382	154/170	175/175	141/156	382/382
			291A+294A	37.6/50.0	104.3/120.3	165/153	175/175	151/168	377/377	165/153	175/175	151/168	377/377	171/159	175/175	156/174	382/382	171/159	175/175	156/174	382/382
		HIGH	NONE	–	–	86	100	92	392	86	100	92	392	91	100	98	397	91	100	98	397
			291A	12.4/16.5	34.4/39.7	89/96	100/100	92/92	392/392	89/96	100/100	92/92	392/392	95/102	100/110	98/98	397/397	95/102	100/110	98/98	397/397
			288A+291A	19.9/26.5	55.3/63.8	115/126	125/150	106/115	392/392	115/126	125/150	106/115	392/392	121/132	125/150	111/121	397/397	121/132	125/150	111/121	397/397
			294A	25.2/33.5	69.9/80.6	134/147	150/150	122/135	392/392	134/147	150/150	122/135	392/392	140/153	150/175	128/140	397/397	140/153	150/175	128/140	397/397
			288A+294A	32.7/43.5	90.7/104.7	160/177	175/200	146/162	392/392	160/177	175/200	146/162	392/392	166/183	175/200	152/168	397/397	166/183	175/200	152/168	397/397
			291A+294A	37.6/50.0	104.3/120.3	177/166	200/175	162/180	392/392	177/166	200/175	162/180	392/392	183/172	200/175	168/186	397/397	183/172	200/175	168/186	397/397
	460–3–60	STD	NONE	–	–	32	35	34	172	32	35	34	172	34	40	37	174	34	40	37	174
			292A	16.5	19.9	39	40	35	172	39	40	35	172	42	45	38	174	42	45	38	174
			289A+292A	26.5	31.9	54	60	49	172	54	60	49	172	57	60	52	174	57	60	52	174
			295A	33.5	40.3	64	70	59	172	64	70	59	172	67	70	61	174	67	70	61	174
			289A+295A	43.5	52.3	79	80	73	172	79	80	73	172	82	90	75	174	82	90	75	174
			292A+295A	50.0	60.2	74	80	82	172	74	80	82	172	77	80	84	174	77	80	84	174
		MED	NONE	–	–	33	40	35	184	33	40	35	184	35	40	38	186	35	40	38	186
			292A	16.5	19.9	40	40	37	184	40	40	37	184	43	45	39	186	43	45	39	186
			289A+292A	26.5	31.9	55	60	50	184	55	60	50	184	58	60	53	186	58	60	53	186
			295A	33.5	40.3	66	70	60	184	66	70	60	184	68	70	63	186	68	70	63	186
			289A+295A	43.5	52.3	81	90	74	184	81	90	74	184	83	90	76	186	83	90	76	186
			292A+295A	50.0	60.2	76	80	83	184	76	80	83	184	78	80	85	186	78	80	85	186
		HIGH	NONE	–	–	39	45	41	191	39	45	41	191	41	50	44	193	41	50	44	193
			292A	16.5	19.9	47	50	43	191	47	50	43	191	50	50	45	193	50	50	45	193
			289A+292A	26.5	31.9	62	70	56	191	62	70	56	191	65	70	59	193	65	70	59	193
			295A	33.5	40.3	72	80	66	191	72	80	66	191	75	80	69	193	75	80	69	193
			289A+295A	43.5	52.3	87	90	80	191	87	90	80	191	90	90	82	193	90	90	82	193
			292A+295A	50.0	60.2	82	90	89	191	82	90	89	191	85	90	92	193	85	90	92	193
	575–3–60	STD	NONE	–	–	29	35	31	145	29	35	31	145	31	35	33	147	31	35	33	147
			293A	16.5	15.9	35	35	32	145	35	35	32	145	37	40	33	147	37	40	33	147
			290A+293A	26.5	25.5	47	50	43	145	47	50	43	145	49	50	45	147	49	50	45	147
			296A	33.5	32.2	55	60	50	145	55	60	50	145	57	60	52	147	57	60	52	147
			290A+296A	43.5	41.8	67	70	61	145	67	70	61	145	69	70	63	147	69	70	63	147
			293A+296A	50.0	48.1	63	70	69	145	63	70	69	145	65	70	71	147	65	70	71	147
		MED	NONE	–	–	29	35	31	145	29	35	31	145	31	35	33	147	31	35	33	147
			293A	16.5	15.9	35	35	32	145	35	35	32	145	37	40	33	147	37	40	33	147
			290A+293A	26.5	25.5	47	50	43	145	47	50	43	145	49	50	45	147	49	50	45	147
			296A	33.5	32.2	55	60	50	145	55	60	50	145	57	60	52	147	57	60	52	147
			290A+296A	43.5	41.8	67	70	61	145	67	70	61	145	69	70	63	147	69	70	63	147
			293A+296A	50.0	48.1	63	70	69	145	63	70	69	145	65	70	71	147	65	70	71	147
		HIGH	NONE	–	–	34	40	36	157	34	40	36	157	36	40	38	159	36	40	38	159
			293A	16.5	15.9	40	40	37	157	40	40	37	157	42	45	39	159	42	45	39	159
			290A+293A	26.5	25.5	52	60	48	157	52	60	48	157	54	60	50	159	54	60	50	159
			296A	33.5	32.2	61	70	55	157	61	70	55	157	63	70	57	159	63	70	57	159
			290A+296A	43.5	41.8	73	80	67	157	73	80	67	157	75	80	68	159	75	80	68	159
			293A+296A	50.0	48.1	69	70	74	157	69	70	74	157	71	80	76	159	71	80	76	159

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 8 – 50HC with Electric Heat, ERV, Factory-Installed HACR Breaker and 2-Speed Indoor Fan Option

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D08 (2–stage cool)	208/230–3–60	STD	NONE	–	–	52/52	60/60	55/55	207	52/52	60/60	55/55	207	57/57	60/60	61/60	212	57/57	60/60	61/60	212
			117A	7.8/10.4	21.7/25.0	54/54	60/60	55/55	207/207	54/54	60/60	55/55	207/207	60/60	60/60	61/60	212/212	60/60	60/60	61/60	212/212
			110A	12.0/16.0	33.4/38.5	71/71	80/80	59/64	207/207	71/71	80/80	59/64	207/207	77/77	80/80	64/70	212/212	77/77	80/80	64/70	212/212
			111A	18.6/24.8	51.7/59.7	97/97	100/100	80/89	207/207	97/97	100/100	80/89	207/207	103/103	110/110	85/94	212/212	103/103	110/110	85/94	212/212
			112A	24.0/32.0	66.7/77.0	119/119	125/125	97/109	207/207	119/119	125/125	97/109	207/207	125/125	125/125	103/114	212/212	125/125	125/125	103/114	212/212
			112A+117A	31.8/42.4	88.4/102.0	150/150	150/150	122/138	207/207	150/150	150/150	122/138	207/207	156/156	175/175	128/143	212/212	156/156	175/175	128/143	212/212
		MED	NONE	–	–	53/53	60/60	57/56	211	53/53	60/60	57/56	211	58/58	70/70	62/62	216	58/58	70/70	62/62	216
			117A	7.8/10.4	21.7/25.0	55/55	60/60	57/56	211/211	55/55	60/60	57/56	211/211	61/61	70/70	62/62	216/216	61/61	70/70	62/62	216/216
			110A	12.0/16.0	33.4/38.5	72/72	80/80	60/66	211/211	72/72	80/80	60/66	211/211	78/78	80/80	66/71	216/216	78/78	80/80	66/71	216/216
			111A	18.6/24.8	51.7/59.7	99/99	100/100	81/90	211/211	99/99	100/100	81/90	211/211	105/105	110/110	87/96	216/216	105/105	110/110	87/96	216/216
			112A	24.0/32.0	66.7/77.0	120/120	125/125	99/110	211/211	120/120	125/125	99/110	211/211	126/126	150/150	104/116	216/216	126/126	150/150	104/116	216/216
			112A+117A	31.8/42.4	88.4/102.0	151/151	175/175	124/139	211/211	151/151	175/175	124/139	211/211	157/157	175/175	129/144	216/216	157/157	175/175	129/144	216/216
		HIGH	NONE	–	–	57/57	60/60	61/60	261	57/57	60/60	61/60	261	62/62	70/70	66/65	266	62/62	70/70	66/65	266
			117A	7.8/10.4	21.7/25.0	59/59	60/60	61/60	261/261	59/59	60/60	61/60	261/261	65/65	70/70	66/65	266/266	65/65	70/70	66/65	266/266
			110A	12.0/16.0	33.4/38.5	76/76	80/80	65/69	261/261	76/76	80/80	65/69	261/261	82/82	90/90	70/75	266/266	82/82	90/90	70/75	266/266
			111A	18.6/24.8	51.7/59.7	102/102	110/110	86/94	261/261	102/102	110/110	86/94	261/261	108/108	110/110	91/99	266/266	108/108	110/110	91/99	266/266
			112A	24.0/32.0	66.7/77.0	124/124	125/125	103/114	261/261	124/124	125/125	103/114	261/261	130/130	150/150	108/119	266/266	130/130	150/150	108/119	266/266
			112A+117A	31.8/42.4	88.4/102.0	155/155	175/175	128/142	261/261	155/155	175/175	128/142	261/261	161/161	175/175	133/148	266/266	161/161	175/175	133/148	266/266
	460–3–60	STD	NONE	–	–	24	30	25	103	24	30	25	103	26	30	28	105	26	30	28	105
			116A	13.9	16.7	32	35	29	103	32	35	29	103	35	35	31	105	35	35	31	105
			113A	16.5	19.8	36	40	32	103	36	40	32	103	38	40	35	105	38	40	35	105
			114A	27.8	33.4	53	60	48	103	53	60	48	103	55	60	51	105	55	60	51	105
			115A	33.0	39.7	61	70	55	103	61	70	55	103	63	70	58	105	63	70	58	105
			114A+116A	41.7	50.2	74	80	67	103	74	80	67	103	76	80	70	105	76	80	70	105
		MED	NONE	–	–	25	30	26	106	25	30	26	106	27	30	29	108	27	30	29	108
			116A	13.9	16.7	32	35	29	106	32	35	29	106	35	35	32	108	35	35	32	108
			113A	16.5	19.8	36	40	33	106	36	40	33	106	39	40	35	108	39	40	35	108
			114A	27.8	33.4	53	60	49	106	53	60	49	106	56	60	51	108	56	60	51	108
			115A	33.0	39.7	61	70	56	106	61	70	56	106	64	70	58	108	64	70	58	108
			114A+116A	41.7	50.2	74	80	68	106	74	80	68	106	77	80	70	108	77	80	70	108
		HIGH	NONE	–	–	26	30	28	131	26	30	28	131	28	30	30	133	28	30	30	133
			116A	13.9	16.7	34	35	31	131	34	35	31	131	37	40	34	133	37	40	34	133
			113A	16.5	19.8	38	40	35	131	38	40	35	131	41	45	37	133	41	45	37	133
			114A	27.8	33.4	55	60	50	131	55	60	50	131	58	60	53	133	58	60	53	133
			115A	33.0	39.7	63	70	58	131	63	70	58	131	66	70	60	133	66	70	60	133
			114A+116A	41.7	50.2	76	80	70	131	76	80	70	131	79	80	72	133	79	80	72	133
	575–3–60	STD	NONE	–	–	19	20	21	85	19	20	21	85	21	25	22	87	21	25	22	87
			118A	17.0	20.4	36	40	33	85	36	40	33	85	38	40	35	87	38	40	35	87
			119A	34.0	40.9	62	70	57	85	62	70	57	85	64	70	58	87	64	70	58	87
		MED	NONE	–	–	20	25	21	89	20	25	21	89	22	25	23	91	22	25	23	91
			118A	17.0	20.4	37	40	34	89	37	40	34	89	39	40	36	91	39	40	36	91
			119A	34.0	40.9	63	70	57	89	63	70	57	89	65	70	59	91	65	70	59	91
		HIGH	NONE	–	–	21	25	22	98	21	25	22	98	23	25	24	100	23	25	24	100
			118A	17.0	20.4	38	40	35	98	38	40	35	98	41	45	37	100	41	45	37	100
			119A	34.0	40.9	64	70	58	98	64	70	58	98	66	70	60	100	66	70	60	100

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 8 – 50HC with Electric Heat, ERV, Factory-Installed HACR Breaker and 2-Speed Indoor Fan Option (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D09 (2–stage cool)	208/230–3–60	STD	NONE	–	–	52/52	60/60	55/55	207	52/52	60/60	55/55	207	57/57	60/60	61/61	212	57/57	60/60	61/61	212
			117A	7.8/10.4	21.7/25.0	54/54	60/60	55/55	207/207	54/54	60/60	55/55	207/207	60/60	60/60	61/61	212/212	60/60	60/60	61/61	212/212
			110A	12.0/16.0	33.4/38.5	71/71	80/80	59/64	207/207	71/71	80/80	59/64	207/207	77/77	80/80	64/70	212/212	77/77	80/80	64/70	212/212
			111A	18.6/24.8	51.7/59.7	97/97	100/100	80/89	207/207	97/97	100/100	80/89	207/207	103/103	110/110	85/94	212/212	103/103	110/110	85/94	212/212
			112A	24.0/32.0	66.7/77.0	119/119	125/125	97/109	207/207	119/119	125/125	97/109	207/207	125/125	125/125	103/114	212/212	125/125	125/125	103/114	212/212
			112A+117A	31.8/42.4	88.4/102.0	150/150	150/150	122/138	207/207	150/150	150/150	122/138	207/207	156/156	175/175	128/143	212/212	156/156	175/175	128/143	212/212
		MED	NONE	–	–	53/53	60/60	57/57	211	53/53	60/60	57/57	211	58/58	70/70	62/62	216	58/58	70/70	62/62	216
			117A	7.8/10.4	21.7/25.0	55/55	60/60	57/57	211/211	55/55	60/60	57/57	211/211	61/61	70/70	62/62	216/216	61/61	70/70	62/62	216/216
			110A	12.0/16.0	33.4/38.5	72/72	80/80	60/66	211/211	72/72	80/80	60/66	211/211	78/78	80/80	66/71	216/216	78/78	80/80	66/71	216/216
			111A	18.6/24.8	51.7/59.7	99/99	100/100	81/90	211/211	99/99	100/100	81/90	211/211	105/105	110/110	87/96	216/216	105/105	110/110	87/96	216/216
			112A	24.0/32.0	66.7/77.0	120/120	125/125	99/110	211/211	120/120	125/125	99/110	211/211	126/126	150/150	104/116	216/216	126/126	150/150	104/116	216/216
			112A+117A	31.8/42.4	88.4/102.0	151/151	175/175	124/139	211/211	151/151	175/175	124/139	211/211	157/157	175/175	129/144	216/216	157/157	175/175	129/144	216/216
		HIGH	NONE	–	–	57/57	70/70	61/60	261	57/57	70/70	61/60	261	62/62	70/70	67/66	266	62/62	70/70	67/66	266
			117A	7.8/10.4	21.7/25.0	59/59	70/70	61/60	261/261	59/59	70/70	61/60	261/261	65/65	70/70	67/66	266/266	65/65	70/70	67/66	266/266
			110A	12.0/16.0	33.4/38.5	76/76	80/80	65/69	261/261	76/76	80/80	65/69	261/261	82/82	90/90	70/75	266/266	82/82	90/90	70/75	266/266
			111A	18.6/24.8	51.7/59.7	102/102	110/110	86/94	261/261	102/102	110/110	86/94	261/261	108/108	110/110	91/99	266/266	108/108	110/110	91/99	266/266
			112A	24.0/32.0	66.7/77.0	124/124	125/125	103/114	261/261	124/124	125/125	103/114	261/261	130/130	150/150	108/119	266/266	130/130	150/150	108/119	266/266
			112A+117A	31.8/42.4	88.4/102.0	155/155	175/175	128/142	261/261	155/155	175/175	128/142	261/261	161/161	175/175	133/148	266/266	161/161	175/175	133/148	266/266
	460–3–60	STD	NONE	–	–	24	30	26	103	24	30	26	103	27	30	28	105	27	30	28	105
			116A	13.9	16.7	32	35	29	103	32	35	29	103	35	35	31	105	35	35	31	105
			113A	16.5	19.8	36	40	32	103	36	40	32	103	38	40	35	105	38	40	35	105
			114A	27.8	33.4	53	60	48	103	53	60	48	103	55	60	51	105	55	60	51	105
			115A	33.0	39.7	61	70	55	103	61	70	55	103	63	70	58	105	63	70	58	105
			114A+116A	41.7	50.2	74	80	67	103	74	80	67	103	76	80	70	105	76	80	70	105
		MED	NONE	–	–	25	30	26	106	25	30	26	106	27	30	29	108	27	30	29	108
			116A	13.9	16.7	32	35	29	106	32	35	29	106	35	35	32	108	35	35	32	108
			113A	16.5	19.8	36	40	33	106	36	40	33	106	39	40	35	108	39	40	35	108
			114A	27.8	33.4	53	60	49	106	53	60	49	106	56	60	51	108	56	60	51	108
			115A	33.0	39.7	61	70	56	106	61	70	56	106	64	70	58	108	64	70	58	108
			114A+116A	41.7	50.2	74	80	68	106	74	80	68	106	77	80	70	108	77	80	70	108
		HIGH	NONE	–	–	26	30	28	131	26	30	28	131	29	30	31	133	29	30	31	133
			116A	13.9	16.7	34	35	31	131	34	35	31	131	37	40	34	133	37	40	34	133
			113A	16.5	19.8	38	40	35	131	38	40	35	131	41	45	37	133	41	45	37	133
			114A	27.8	33.4	55	60	50	131	55	60	50	131	58	60	53	133	58	60	53	133
			115A	33.0	39.7	63	70	58	131	63	70	58	131	66	70	60	133	66	70	60	133
			114A+116A	41.7	50.2	76	80	70	131	76	80	70	131	79	80	72	133	79	80	72	133
	575–3–60	STD	NONE	–	–	21	25	22	85	21	25	22	85	22	25	24	87	22	25	24	87
			118A	17.0	20.4	36	40	33	85	36	40	33	85	38	40	35	87	38	40	35	87
			119A	34.0	40.9	62	70	57	85	62	70	57	85	64	70	58	87	64	70	58	87
		MED	NONE	–	–	21	25	23	89	21	25	23	89	23	25	25	91	23	25	25	91
			118A	17.0	20.4	37	40	34	89	37	40	34	89	39	40	36	91	39	40	36	91
			119A	34.0	40.9	63	70	57	89	63	70	57	89	65	70	59	91	65	70	59	91
		HIGH	NONE	–	–	22	25	24	98	22	25	24	98	24	25	26	100	24	25	26	100
			118A	17.0	20.4	38	40	35	98	38	40	35	98	41	45	37	100	41	45	37	100
			119A	34.0	40.9	64	70	58	98	64	70	58	98	66	70	60	100	66	70	60	100

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 8 – 50HC with Electric Heat, ERV, Factory-Installed HACR Breaker and 2-Speed Indoor Fan Option (cont)

UNIT	NO M. V–Ph–HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC–D11 (2–stage cool)	208/230–3–60	STD	NONE	–	–	63/63	70/70	67/67	266	63/63	70/70	67/67	266	67/67	80/80	73/72	271	67/67	80/80	73/72	271
			117A	7.8/10.4	21.7/25.0	63/63	70/70	67/67	266/266	63/63	70/70	67/67	266/266	67/67	80/80	73/72	271/271	67/67	80/80	73/72	271/271
			110A	12.0/16.0	33.4/38.5	72/72	80/80	67/67	266/266	72/72	80/80	67/67	266/266	78/78	80/80	73/72	271/271	78/78	80/80	73/72	271/271
			112A	24.0/32.0	66.7/77.0	120/120	125/125	99/110	266/266	120/120	125/125	99/110	266/266	126/126	150/150	104/116	271/271	126/126	150/150	104/116	271/271
			112A+117A	31.8/42.4	88.4/102.0	151/151	175/175	124/139	266/266	151/151	175/175	124/139	266/266	157/157	175/175	129/144	271/271	157/157	175/175	129/144	271/271
			112A+110A	37.6/50.0	104.2/120.3	155/155	175/175	142/160	266/266	155/155	175/175	142/160	266/266	161/161	175/175	147/165	271/271	161/161	175/175	147/165	271/271
		MED	NONE	–	–	66/66	80/80	71/70	316	66/66	80/80	71/70	316	71/71	80/80	77/76	321	71/71	80/80	77/76	321
			117A	7.8/10.4	21.7/25.0	66/66	80/80	71/70	316/316	66/66	80/80	71/70	316/316	71/71	80/80	77/76	321/321	71/71	80/80	77/76	321/321
			110A	12.0/16.0	33.4/38.5	76/76	80/80	71/70	316/316	76/76	80/80	71/70	316/316	82/82	90/90	77/76	321/321	82/82	90/90	77/76	321/321
			112A	24.0/32.0	66.7/77.0	124/124	125/125	103/114	316/316	124/124	125/125	103/114	316/316	130/130	150/150	108/119	321/321	130/130	150/150	108/119	321/321
			112A+117A	31.8/42.4	88.4/102.0	155/155	175/175	128/142	316/316	155/155	175/175	128/142	316/316	161/161	175/175	133/148	321/321	161/161	175/175	133/148	321/321
			112A+110A	37.6/50.0	104.2/120.3	159/159	175/175	146/163	316/316	159/159	175/175	146/163	316/316	165/165	175/175	152/169	321/321	165/165	175/175	152/169	321/321
		HIGH	NONE	–	–	69/69	80/80	74/73	327	69/69	80/80	74/73	327	74/74	80/80	80/79	332	74/74	80/80	80/79	332
			117A	7.8/10.4	21.7/25.0	69/69	80/80	74/73	327/327	69/69	80/80	74/73	327/327	74/74	80/80	80/79	332/332	74/74	80/80	80/79	332/332
			110A	12.0/16.0	33.4/38.5	79/79	80/80	74/73	327/327	79/79	80/80	74/73	327/327	85/85	90/90	80/79	332/332	85/85	90/90	80/79	332/332
			112A	24.0/32.0	66.7/77.0	128/128	150/150	106/117	327/327	128/128	150/150	106/117	327/327	134/134	150/150	112/122	332/332	134/134	150/150	112/122	332/332
			112A+117A	31.8/42.4	88.4/102.0	159/159	175/175	131/146	327/327	159/159	175/175	131/146	327/327	165/165	175/175	137/151	332/332	165/165	175/175	137/151	332/332
			112A+110A	37.6/50.0	104.2/120.3	163/163	175/175	149/167	327/327	163/163	175/175	149/167	327/327	169/169	175/175	155/172	332/332	169/169	175/175	155/172	332/332
	460–3–60	STD	NONE	–	–	29	30	30	128	29	30	30	128	31	35	33	130	31	35	33	130
			116A	13.9	16.7	32	35	30	128	32	35	30	128	35	35	33	130	35	35	33	130
			113A	16.5	19.8	36	40	33	128	36	40	33	128	39	40	35	130	39	40	35	130
			115A	33.0	39.7	61	70	56	128	61	70	56	128	64	70	58	130	64	70	58	130
			114A+116A	41.7	50.2	74	80	68	128	74	80	68	128	77	80	70	130	77	80	70	130
			115A+113A	50.0	60.1	72	80	79	128	72	80	79	128	74	80	82	130	74	80	82	130
		MED	NONE	–	–	30	35	32	153	30	35	32	153	32	35	35	155	32	35	35	155
			116A	13.9	16.7	34	35	32	153	34	35	32	153	37	40	35	155	37	40	35	155
			113A	16.5	19.8	38	40	35	153	38	40	35	153	41	45	37	155	41	45	37	155
			115A	33.0	39.7	63	70	58	153	63	70	58	153	66	70	60	155	66	70	60	155
			114A+116A	41.7	50.2	76	80	70	153	76	80	70	153	79	80	72	155	79	80	72	155
			115A+113A	50.0	60.1	73	80	81	153	73	80	81	153	76	80	84	155	76	80	84	155
		HIGH	NONE	–	–	32	35	34	158	32	35	34	158	34	40	36	160	34	40	36	160
			116A	13.9	16.7	36	40	34	158	36	40	34	158	39	40	36	160	39	40	36	160
			113A	16.5	19.8	40	40	36	158	40	40	36	158	43	45	39	160	43	45	39	160
			115A	33.0	39.7	65	70	59	158	65	70	59	158	68	70	62	160	68	70	62	160
			114A+116A	41.7	50.2	78	80	71	158	78	80	71	158	81	90	74	160	81	90	74	160
			115A+113A	50.0	60.1	75	80	83	158	75	80	83	158	78	80	85	160	78	80	85	160
	575–3–60	STD	NONE	–	–	24	30	26	103	24	30	26	103	26	30	28	105	26	30	28	105
			118A	17.0	20.4	37	40	34	103	37	40	34	103	39	40	36	105	39	40	36	105
			119A	34.0	40.9	63	70	57	103	63	70	57	103	65	70	59	105	65	70	59	105
			118A+119A	51.0	61.3	73	80	81	103	73	80	81	103	75	80	83	105	75	80	83	105
		MED	NONE	–	–	25	30	27	112	25	30	27	112	27	30	29	114	27	30	29	114
			118A	17.0	20.4	38	40	35	112	38	40	35	112	41	45	37	114	41	45	37	114
			119A	34.0	40.9	64	70	58	112	64	70	58	112	66	70	60	114	66	70	60	114
			118A+119A	51.0	61.3	74	80	82	112	74	80	82	112	76	80	84	114	76	80	84	114
		HIGH	NONE	–	–	27	30	29	126	27	30	29	126	29	35	31	128	29	35	31	128
			118A	17.0	20.4	41	45	37	126	41	45	37	126	43	45	39	128	43	45	39	128
			119A	34.0	40.9	66	70	60	126	66	70	60	126	68	70	62	128	68	70	62	128
			118A+119A	51.0	61.3	76	80	84	126	76	80	84	126	78	80	86	128	78	80	86	128

See: “Legend and Notes for Tables 1 – 8 ” on page 46.

Table 8 - 50HC with Electric Heat, ERV, Factory-Installed HACR Breaker and 2-Speed Indoor Fan Option (cont)

UNIT	NO M. V-Ph-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC-D12 (2-stage cool)	208/230-3-60	STD	NONE	–	–	61/61	70/70	66/65	291	61/61	70/70	66/65	291	66/66	80/80	71/71	296	66/66	80/80	71/71	296
			117A	7.8/10.4	21.7/25.0	61/61	70/70	66/65	291/291	61/61	70/70	66/65	291/291	66/66	80/80	71/71	296/296	66/66	80/80	71/71	296/296
			110A	12.0/16.0	33.4/38.5	72/72	80/80	66/66	291/291	72/72	80/80	66/66	291/291	78/78	80/80	71/71	296/296	78/78	80/80	71/71	296/296
			112A	24.0/32.0	66.7/77.0	120/120	125/125	99/110	291/291	120/120	125/125	99/110	291/291	126/126	150/150	104/116	296/296	126/126	150/150	104/116	296/296
			112A+117A	31.8/42.4	88.4/102.0	151/151	175/175	124/139	291/291	151/151	175/175	124/139	291/291	157/157	175/175	129/144	296/296	157/157	175/175	129/144	296/296
			112A+110A	37.6/50.0	104.2/120.3	155/155	175/175	142/160	291/291	155/155	175/175	142/160	291/291	161/161	175/175	147/165	296/296	161/161	175/175	147/165	296/296
		MED	NONE	–	–	65/65	80/80	70/69	341	65/65	80/80	70/69	341	70/70	80/80	75/74	346	70/70	80/80	75/74	346
			117A	7.8/10.4	21.7/25.0	65/65	80/80	70/69	341/341	65/65	80/80	70/69	341/341	70/70	80/80	75/74	346/346	70/70	80/80	75/74	346/346
			110A	12.0/16.0	33.4/38.5	76/76	80/80	70/69	341/341	76/76	80/80	70/69	341/341	82/82	90/90	75/75	346/346	82/82	90/90	75/75	346/346
			112A	24.0/32.0	66.7/77.0	124/124	125/125	103/114	341/341	124/124	125/125	103/114	341/341	130/130	150/150	108/119	346/346	130/130	150/150	108/119	346/346
			112A+117A	31.8/42.4	88.4/102.0	155/155	175/175	128/142	341/341	155/155	175/175	128/142	341/341	161/161	175/175	133/148	346/346	161/161	175/175	133/148	346/346
			112A+110A	37.6/50.0	104.2/120.3	159/159	175/175	146/163	341/341	159/159	175/175	146/163	341/341	165/165	175/175	152/169	346/346	165/165	175/175	152/169	346/346
		HIGH	NONE	–	–	68/68	80/80	73/72	352	68/68	80/80	73/72	352	73/73	80/80	79/78	357	73/73	80/80	79/78	357
			117A	7.8/10.4	21.7/25.0	68/68	80/80	73/72	352/352	68/68	80/80	73/72	352/352	73/73	80/80	79/78	357/357	73/73	80/80	79/78	357/357
			110A	12.0/16.0	33.4/38.5	79/79	80/80	73/73	352/352	79/79	80/80	73/73	352/352	85/85	90/90	79/78	357/357	85/85	90/90	79/78	357/357
			112A	24.0/32.0	66.7/77.0	128/128	150/150	106/117	352/352	128/128	150/150	106/117	352/352	134/134	150/150	112/122	357/357	134/134	150/150	112/122	357/357
			112A+117A	31.8/42.4	88.4/102.0	159/159	175/175	131/146	352/352	159/159	175/175	131/146	352/352	165/165	175/175	137/151	357/357	165/165	175/175	137/151	357/357
			112A+110A	37.6/50.0	104.2/120.3	163/163	175/175	149/167	352/352	163/163	175/175	149/167	352/352	169/169	175/175	155/172	357/357	169/169	175/175	155/172	357/357
	460-3-60	STD	NONE	–	–	30	35	31	140	30	35	31	140	32	35	34	142	32	35	34	142
			116A	13.9	16.7	32	35	31	140	32	35	31	140	35	35	34	142	35	35	34	142
			113A	16.5	19.8	36	40	33	140	36	40	33	140	39	40	35	142	39	40	35	142
			115A	33.0	39.7	61	70	56	140	61	70	56	140	64	70	58	142	64	70	58	142
			114A+116A	41.7	50.2	74	80	68	140	74	80	68	140	77	80	70	142	77	80	70	142
			115A+113A	50.0	60.1	72	80	79	140	72	80	79	140	74	80	82	142	74	80	82	142
		MED	NONE	–	–	31	35	33	165	31	35	33	165	33	40	36	167	33	40	36	167
			116A	13.9	16.7	34	35	33	165	34	35	33	165	37	40	36	167	37	40	36	167
			113A	16.5	19.8	38	40	35	165	38	40	35	165	41	45	37	167	41	45	37	167
			115A	33.0	39.7	63	70	58	165	63	70	58	165	66	70	60	167	66	70	60	167
			114A+116A	41.7	50.2	76	80	70	165	76	80	70	165	79	80	72	167	79	80	72	167
			115A+113A	50.0	60.1	73	80	81	165	73	80	81	165	76	80	84	167	76	80	84	167
		HIGH	NONE	–	–	33	35	35	170	33	35	35	170	35	40	37	172	35	40	37	172
			116A	13.9	16.7	36	40	35	170	36	40	35	170	39	40	37	172	39	40	37	172
			113A	16.5	19.8	40	40	36	170	40	40	36	170	43	45	39	172	43	45	39	172
			115A	33.0	39.7	65	70	59	170	65	70	59	170	68	70	62	172	68	70	62	172
			114A+116A	41.7	50.2	78	80	71	170	78	80	71	170	81	90	74	172	81	90	74	172
			115A+113A	50.0	60.1	75	80	83	170	75	80	83	170	78	80	85	172	78	80	85	172
	575-3-60	STD	NONE	–	–	25	30	26	113	25	30	26	113	26	30	28	115	26	30	28	115
			118A	17.0	20.4	37	40	34	113	37	40	34	113	39	40	36	115	39	40	36	115
			119A	34.0	40.9	63	70	57	113	63	70	57	113	65	70	59	115	65	70	59	115
			118A+119A	51.0	61.3	73	80	81	113	73	80	81	113	75	80	83	115	75	80	83	115
		MED	NONE	–	–	26	30	27	122	26	30	27	122	27	30	29	124	27	30	29	124
			118A	17.0	20.4	38	40	35	122	38	40	35	122	41	45	37	124	41	45	37	124
			119A	34.0	40.9	64	70	58	122	64	70	58	122	66	70	60	124	66	70	60	124
			118A+119A	51.0	61.3	74	80	82	122	74	80	82	122	76	80	84	124	76	80	84	124
		HIGH	NONE	–	–	28	30	29	136	28	30	29	136	29	35	31	138	29	35	31	138
			118A	17.0	20.4	41	45	37	136	41	45	37	136	43	45	39	138	43	45	39	138
			119A	34.0	40.9	66	70	60	136	66	70	60	136	68	70	62	138	68	70	62	138
			118A+119A	51.0	61.3	76	80	84	136	76	80	84	136	78	80	86	138	78	80	86	138

See: "Legend and Notes for Tables 1 – 8 " on page 46.

Table 8 - 50HC with Electric Heat, ERV, Factory-Installed HACR Breaker and 2-Speed Indoor Fan Option (cont)

UNIT	NO M. V-Ph-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer			
			CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
50HC-D14 (2-stage cool)	208/230-3-60	STD	NONE	–	–	74/74	80/80	79/78	353	74/74	80/80	79/78	353	79/79	90/90	84/83	358	79/79	90/90	84/83	358
			291A	12.4/16.5	34.4/39.7	80/80	80/80	79/78	353/353	80/80	80/80	79/78	353/353	86/86	90/90	84/83	358/358	86/86	90/90	84/83	358/358
			288A+291A	19.9/26.5	55.3/63.8	110/110	110/110	92/101	353/353	110/110	110/110	92/101	353/353	116/116	125/125	98/106	358/358	116/116	125/125	98/106	358/358
			294A	25.2/33.5	69.9/80.6	131/131	150/150	109/120	353/353	131/131	150/150	109/120	353/353	137/137	150/150	114/126	358/358	137/137	150/150	114/126	358/358
			288A+294A	32.7/43.5	90.7/104.7	161/161	175/175	133/148	353/353	161/161	175/175	133/148	353/353	167/167	175/175	138/153	358/358	167/167	175/175	138/153	358/358
			291A+294A	37.6/50.0	104.3/120.3	162/162	175/175	148/166	353/353	162/162	175/175	148/166	353/353	168/168	175/175	154/171	358/358	168/168	175/175	154/171	358/358
		MED	NONE	–	–	76/76	90/90	81/80	377	76/76	90/90	81/80	377	81/81	90/90	87/86	382	81/81	90/90	87/86	382
			291A	12.4/16.5	34.4/39.7	83/83	90/90	81/80	377/377	83/83	90/90	81/80	377/377	89/89	90/90	87/86	382/382	89/89	90/90	87/86	382/382
			288A+291A	19.9/26.5	55.3/63.8	113/113	125/125	95/103	377/377	113/113	125/125	95/103	377/377	119/119	125/125	100/109	382/382	119/119	125/125	100/109	382/382
			294A	25.2/33.5	69.9/80.6	134/134	150/150	111/123	377/377	134/134	150/150	111/123	377/377	140/140	150/150	117/128	382/382	140/140	150/150	117/128	382/382
			288A+294A	32.7/43.5	90.7/104.7	164/164	175/175	135/150	377/377	164/164	175/175	135/150	377/377	170/170	175/175	141/156	382/382	170/170	175/175	141/156	382/382
			291A+294A	37.6/50.0	104.3/120.3	165/165	175/175	151/168	377/377	165/165	175/175	151/168	377/377	171/171	175/175	156/174	382/382	171/171	175/175	156/174	382/382
		HIGH	NONE	–	–	86	100	92	392	86	100	92	392	91	100	98	397	91	100	98	397
			291A	12.4/16.5	34.4/39.7	96/96	100/100	92/92	392/392	96/96	100/100	92/92	392/392	102/102	110/110	98/98	397/397	102/102	110/110	98/98	397/397
			288A+291A	19.9/26.5	55.3/63.8	126/126	150/150	106/115	392/392	126/126	150/150	106/115	392/392	132/132	150/150	111/121	397/397	132/132	150/150	111/121	397/397
			294A	25.2/33.5	69.9/80.6	147/147	150/150	122/135	392/392	147/147	150/150	122/135	392/392	153/153	175/175	128/140	397/397	153/153	175/175	128/140	397/397
			288A+294A	32.7/43.5	90.7/104.7	177/177	200/200	146/162	392/392	177/177	200/200	146/162	392/392	183/183	200/200	152/168	397/397	183/183	200/200	152/168	397/397
			291A+294A	37.6/50.0	104.3/120.3	177/177	200/200	162/180	392/392	177/177	200/200	162/180	392/392	183/183	200/200	168/186	397/397	183/183	200/200	168/186	397/397
	460-3-60	STD	NONE	–	–	32	35	34	172	32	35	34	172	34	40	37	174	34	40	37	174
			292A	16.5	19.9	39	40	35	172	39	40	35	172	42	45	38	174	42	45	38	174
			289A+292A	26.5	31.9	54	60	49	172	54	60	49	172	57	60	52	174	57	60	52	174
			295A	33.5	40.3	64	70	59	172	64	70	59	172	67	70	61	174	67	70	61	174
			289A+295A	43.5	52.3	79	80	73	172	79	80	73	172	82	90	75	174	82	90	75	174
			292A+295A	50.0	60.2	74	80	82	172	74	80	82	172	77	80	84	174	77	80	84	174
		MED	NONE	–	–	33	40	35	184	33	40	35	184	35	40	38	186	35	40	38	186
			292A	16.5	19.9	40	40	37	184	40	40	37	184	43	45	39	186	43	45	39	186
			289A+292A	26.5	31.9	55	60	50	184	55	60	50	184	58	60	53	186	58	60	53	186
			295A	33.5	40.3	66	70	60	184	66	70	60	184	68	70	63	186	68	70	63	186
			289A+295A	43.5	52.3	81	90	74	184	81	90	74	184	83	90	76	186	83	90	76	186
			292A+295A	50.0	60.2	76	80	83	184	76	80	83	184	78	80	85	186	78	80	85	186
		HIGH	NONE	–	–	39	45	41	191	39	45	41	191	41	50	44	193	41	50	44	193
			292A	16.5	19.9	47	50	43	191	47	50	43	191	50	50	45	193	50	50	45	193
			289A+292A	26.5	31.9	62	70	56	191	62	70	56	191	65	70	59	193	65	70	59	193
			295A	33.5	40.3	72	80	66	191	72	80	66	191	75	80	69	193	75	80	69	193
			289A+295A	43.5	52.3	87	90	80	191	87	90	80	191	90	90	82	193	90	90	82	193
			292A+295A	50.0	60.2	82	90	89	191	82	90	89	191	85	90	92	193	85	90	92	193
	575-3-60	STD	NONE	–	–	29	35	31	145	29	35	31	145	31	35	33	147	31	35	33	147
			293A	16.5	15.9	35	35	32	145	35	35	32	145	37	40	33	147	37	40	33	147
			290A+293A	26.5	25.5	47	50	43	145	47	50	43	145	49	50	45	147	49	50	45	147
			296A	33.5	32.2	55	60	50	145	55	60	50	145	57	60	52	147	57	60	52	147
			290A+296A	43.5	41.8	67	70	61	145	67	70	61	145	69	70	63	147	69	70	63	147
			293A+296A	50.0	48.1	63	70	69	145	63	70	69	145	65	70	71	147	65	70	71	147
		MED	NONE	–	–	29	35	31	145	29	35	31	145	31	35	33	147	31	35	33	147
			293A	16.5	15.9	35	35	32	145	35	35	32	145	37	40	33	147	37	40	33	147
			290A+293A	26.5	25.5	47	50	43	145	47	50	43	145	49	50	45	147	49	50	45	147
			296A	33.5	32.2	55	60	50	145	55	60	50	145	57	60	52	147	57	60	52	147
			290A+296A	43.5	41.8	67	70	61	145	67	70	61	145	69	70	63	147	69	70	63	147
			293A+296A	50.0	48.1	63	70	69	145	63	70	69	145	65	70	71	147	65	70	71	147
		HIGH	NONE	–	–	34	40	36	157	34	40	36	157	36	40	38	159	36	40	38	159
			293A	16.5	15.9	40	40	37	157	40	40	37	157	42	45	39	159	42	45	39	159
			290A+293A	26.5	25.5	52	60	48	157	52	60	48	157	54	60	50	159	54	60	50	159
			296A	33.5	32.2	61	70	55	157	61	70	55	157	63	70	57	159	63	70	57	159
			290A+296A	43.5	41.8	73	80	67	157	73	80	67	157	75	80	68	159	75	80	68	159
			293A+296A	50.0	48.1	69	70	74	157	69	70	74	157	71	80	76	159	71	80	76	159

See: "Legend and Notes for Tables 1 – 8 " on page 46.

Legend and Notes for Tables 1 – 8

LEGEND:

BRKR	–	Circuit breaker
CO	–	Convenience outlet
DISC	–	Disconnect
FLA	–	Full load amps
IFM	–	Indoor fan motor
LRA	–	Locked rotor amps
MCA	–	Minimum circuit amps
PE	–	Power exhaust
PWRD CO	–	Powered convenient outlet
UNPWR CO	–	Unpowered convenient outlet

NOTES:

1. In compliance with NEC requirements for multimotor and combination load equipment (refer to NEC Articles 430 and 440), the overcurrent protective device for the unit shall be fuse or HACR breaker. Canadian units may be fuse or circuit breaker.
2. **Unbalanced 3-Phase Supply Voltage**
   Never operate a motor where a phase imbalance in supply voltage is greater than 2%. Use the following formula to determine the percentage of voltage imbalance.

$$\%\ \text{Voltage Imbalance} = 100 \times \frac{\text{max voltage deviation from average voltage}}{\text{average voltage}}$$

Example: Supply voltage is 230-3-60



AB = 224 v
BC = 231 v
AC = 226 v

$$\text{Average Voltage} = \frac{(224 + 231 + 226)}{3} = \frac{681}{3}$$

$$= 227$$

Determine maximum deviation from average voltage.
(AB) 227 – 224 = 3 v
(BC) 231 – 227 = 4 v
(AC) 227 – 226 = 1 v
Maximum deviation is 4 v.
Determine percent of voltage imbalance.

$$\%\ \text{Voltage Imbalance} = 100 \times \frac{4}{227}$$

$$= 1.76\%$$

This amount of phase imbalance is satisfactory as it is below the maximum allowable 2%.

IMPORTANT: If the supply voltage phase imbalance is more than 2%, contact your local electric utility company immediately.

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Replaces: New