

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)	Sequence number
Year of manufacture ("15" = 2015)	Manufacturing location

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.

C150230

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 FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA						
48HC*A04 (1-stage cool)	208/230-1-60	DD-STD	35	50	35	94	35	50	35	94	35	94	40	50	41	99	41	99		
		STD	33	45	33	99	33	45	32	99	32	99	37	50	38	104	38	104		
	208/230-3-60	MED	33	45	33	99	33	45	32	99	32	99	37	50	38	104	38	104		
		DD-STD	27	30	28	88	27	30	28	88	28	88	32	40	34	93	34	93		
	48HC*A05 (1-stage cool)	208/230-1-60	STD	25	30	26	100	25	30	26	100	26	100	30	40	31	105	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	
		460-3-60	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	
			DD-STD	16	20	16	47	16	20	16	47	18	20	18	49	18	20	18	49	
		575-3-60	STD	14	20	14	52	14	20	14	52	14	20	14	52	17	20	17	54	
			MED	14	20	14	61	14	20	14	61	16	20	17	63	16	20	17	63	
460-3-60			HIGH	16	20	16	79	16	20	16	79	18	20	19	81	18	20	19	81	
			DD-STD	15	20	16	47	15	20	16	47	17	20	18	49	17	20	18	49	
208/230-1-60			STD	12	15	12	50	12	15	12	50	12	15	12	50	14	15	14	52	
			MED	12	15	12	50	12	15	12	50	14	15	14	52	14	15	14	52	
	460-3-60		HIGH	13	15	13	54	13	15	13	54	15	15	15	56	15	15	15	56	
			DD-STD	44	60	44	135	44	60	44	135	49	60	50	140	49	60	50	140	
	208/230-3-60		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	
		460-3-60	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	
		48HC*A05 (1-stage cool)	208/230-3-60	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	
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	
575-3-60			208/230-1-60	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
	460-3-60		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	
	575-3-60		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 FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA						
48HC*A06 (1-stage cool)	208/230-1-60	DD-STD	48	60	48	152	60	48	60	48	152	53	60	53	157	53	60	53	157	
		STD	46	60	45	157	60	46	60	45	157	51	60	51	162	51	60	50	162	
		MED	48	60	47	182	60	48	60	47	182	53	60	53	187	53	60	53	187	
	208/230-3-60	DD-STD	37	50	38	128	50	37	50	38	128	42	50	42	133	42	50	43	133	
		STD	35	50	35	140	50	35	50	35	140	40	50	40	145	40	50	41	145	
		MED	38/38	50/50	39/39	193	50/50	38/38	50/50	39/39	193	43/43	50/50	44/44	198	43/43	50/50	44/44	198	
	48HC*A07 (1-stage cool)	460-3-60	HIGH	38/38	50/50	39/39	193	50/50	38/38	50/50	39/39	193	43/43	50/50	44/44	198	43/43	50/50	44/44	198
			DD-STD	18	20	18	62	20	18	20	18	62	20	25	21	64	20	25	21	64
			STD	17	20	16	67	20	17	20	16	67	19	25	19	69	19	25	19	69
		575-3-60	MED	18	20	18	94	20	18	20	18	94	20	25	21	96	20	25	21	96
			HIGH	18	20	18	94	20	18	20	18	94	20	25	21	96	20	25	21	96
			DD-STD	16	20	16	50	20	16	20	16	50	17	20	17	52	17	20	18	52
48HC*D08 (2-stage cool)		208/230-3-60	STD	13	15	13	53	15	13	15	53	14	20	14	55	14	20	15	55	
			MED	14	15	14	57	15	14	15	57	15	20	15	59	15	20	16	59	
			HIGH	14	20	15	68	14	20	15	68	16	20	16	70	16	20	16	70	
		460-3-60	STD	41	60	41	169	41	60	41	60	169	46	60	47	174	46	60	47	174
			MED	44/44	60/60	45/45	222	60/60	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	60/60	50/49	60/60	51/50	238	54/54	60/60	56/55	243	54/54	60/60	56/55	243
	575-3-60	STD	19	25	19	83	25	19	25	19	83	21	25	21	85	21	25	21	85	
		MED	20	25	20	110	20	25	20	25	110	23	30	23	112	23	30	23	112	
		HIGH	23	30	23	118	23	30	23	30	118	25	30	26	120	25	30	26	120	
	48HC*A07 (1-stage cool)	208/230-3-60	STD	15	20	15	70	20	15	20	70	17	20	17	72	17	20	17	72	
			MED	17	20	17	85	17	20	17	20	85	18	20	19	87	18	20	19	
			HIGH	19	25	20	99	19	25	20	25	99	21	25	22	101	21	25	22	
460-3-60		STD	51	60	54	203	51	60	54	60	203	56	60	60	208	56	60	60	208	
		MED	53/53	60/60	56/56	241	60/60	53/53	60/60	56/56	241	59/58	70/70	62/62	246	59/58	70/70	62/62	246	
		HIGH	57	60	61	270	60	57	60	61	270	61	70	66	275	61	70	66	275	
575-3-60		STD	24	25	25	101	24	25	25	25	101	26	30	28	103	26	30	28	103	
		MED	25	30	26	120	25	30	26	30	120	27	30	29	122	27	30	29	122	
		HIGH	27	30	28	135	27	30	28	30	135	29	30	31	137	29	30	31	137	
460-3-60		STD	18	20	19	83	20	18	20	19	83	20	25	21	85	20	25	21	85	
		MED	19	20	20	87	19	20	20	20	87	20	25	22	89	20	25	22	89	
		HIGH	19	20	21	98	19	20	21	20	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 FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE 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	30	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/ ERV, w/o Economizer				w/ ERV, w/o Economizer				w/ ERV, w/o Economizer				w/ PWRD C.O.								
			MCA	HACR BRKR	FLA	LRA	MCA	HACR BRKR	FLA	LRA	MCA	HACR BRKR	FLA	LRA	MCA	HACR BRKR	FLA	LRA					
48HC*A04 (1-stage cool)	208/230-1-60	DD-STD	35	50	35	94	35	94	35	50	35	94	35	94	40	50	41	99	40	50	41	99	
		STD	33	45	32	99	33	99	32	45	32	99	33	99	37	50	38	104	37	50	38	104	
		MED	33	45	32	99	33	99	32	45	32	99	33	99	37	50	38	104	37	50	38	104	
	208/230-3-60	DD-STD	27	30	28	88	27	88	28	30	28	88	27	88	32	40	34	93	32	40	34	93	
		STD	25	30	26	100	25	100	26	30	26	100	25	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	30/30	40/40	31/31	122	
	48HC*A05 (1-stage cool)	208/230-1-60	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	33/33	40/40	35/35	158
			DD-STD	16	20	16	47	16	47	16	20	16	47	16	47	18	20	18	49	18	20	18	49
			STD	14	20	14	52	14	52	14	20	14	52	14	52	17	20	17	54	17	20	17	54
		460-3-60	MED	14	20	14	61	14	61	14	20	14	61	14	61	16	20	17	63	16	20	17	63
			HIGH	16	20	16	79	16	79	16	20	16	79	16	79	18	20	19	81	18	20	19	81
			DD-STD	15	20	16	47	15	47	16	20	16	47	15	47	17	20	18	49	17	20	18	49
575-3-60		STD	12	15	12	50	12	50	12	15	12	50	12	50	14	15	14	52	14	15	14	52	
		MED	12	15	12	50	12	50	12	15	12	50	12	50	14	15	14	52	14	15	14	52	
		HIGH	13	15	13	54	13	54	13	15	13	54	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	135	44	60	44	135	44	135	49	60	50	140	49	60	50	140
			STD	42	60	41	140	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	42	60	41	140	47	60	47	145	47	60	47	145
	208/230-3-60	DD-STD	34	45	35	101	34	101	35	45	35	101	34	101	39	50	41	106	39	50	41	106	
		STD	32	45	33	113	32	113	33	45	33	113	32	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	37/37	50/50	38/38	135	
	460-3-60	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	40/40	50/50	42/42	171	
		DD-STD	17	20	17	51	17	51	17	20	17	51	17	51	19	25	20	53	19	25	20	53	
		STD	16	20	16	56	16	56	16	20	16	56	16	56	18	20	18	58	18	20	18	58	
	575-3-60	MED	15	20	15	65	15	65	15	20	15	65	15	65	18	20	18	67	18	20	18	67	
		HIGH	17	20	17	83	17	83	17	20	17	83	17	83	19	25	20	85	19	25	20	85	
		DD-STD	15	20	16	43	15	43	16	20	16	43	15	43	17	20	18	45	17	20	18	45	
575-3-60	STD	12	15	12	46	12	46	12	15	12	46	12	46	14	15	14	48	14	15	14	48		
	MED	13	15	13	46	13	46	13	15	13	46	13	46	14	15	14	48	14	15	14	48		
	HIGH	14	15	14	61	14	61	14	15	14	61	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/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer										
			MCA	HACR BRKR	DISC. SIZE FLA	LRA	MCA	HACR BRKR	DISC. SIZE FLA	LRA	MCA	HACR BRKR	DISC. SIZE FLA	LRA	MCA	HACR BRKR	DISC. SIZE FLA	LRA							
48HC*A06 (1-stage cool)	208/230-1-60	DD-STD	48	60	48	152	48	152	48	60	48	152	48	152	53	60	53	157	53	60	53	157	53	157	
		STD	46	60	45	157	46	60	45	157	46	60	45	157	51	60	50	162	51	60	50	162	51	162	
		MED	48	60	47	182	48	60	47	182	48	60	47	182	53	60	53	187	53	60	53	187	53	187	
		DD-STD	37	50	38	128	37	50	38	128	37	50	38	128	42	50	43	133	42	50	43	133	42	133	
	208/230-3-60	STD	35	50	35	140	35	50	35	140	35	50	35	140	40	50	41	145	40	50	41	145	40	145	
		MED	38/38	50/50	39/39	193	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	43/43	44/44	198
		HIGH	38/38	50/50	39/39	193	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	43/43	44/44	198
		DD-STD	18	20	18	62	18	20	18	62	18	20	18	62	20	25	21	64	20	25	21	64	20	64	
	48HC*A07 (1-stage cool)	460-3-60	STD	17	20	16	67	17	20	16	67	17	20	16	67	19	25	19	69	19	25	19	69	19	69
			MED	18	20	18	94	18	20	18	94	18	20	18	94	20	25	21	96	20	25	21	96	20	96
			HIGH	18	20	18	94	18	20	18	94	18	20	18	94	20	25	21	96	20	25	21	96	20	96
			DD-STD	16	20	16	50	16	20	16	50	16	20	16	50	17	20	18	52	17	20	18	52	17	52
575-3-60		STD	13	15	13	53	13	15	13	53	13	15	13	53	14	20	15	55	14	20	15	55	14	55	
		MED	14	15	14	57	14	15	14	57	14	15	14	57	15	20	16	59	15	20	16	59	15	59	
		HIGH	14	20	15	68	14	20	15	68	14	20	15	68	16	20	16	70	16	20	16	70	16	70	
		STD	41	60	41	169	41	60	41	169	41	60	41	169	46	60	47	174	46	60	47	174	46	174	
208/230-3-60		MED	44/44	60/60	45/45	222	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	49/49	50/50	227
		HIGH	50/50	60/60	51/50	238	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	54/54	56/55	243
		STD	19	25	19	83	19	25	19	83	19	25	19	83	21	25	21	85	21	25	21	85	21	85	
		MED	20	25	20	110	20	25	20	110	20	25	20	110	23	30	23	112	23	30	23	112	23	112	
48HC*D08 (2-stage cool)	460-3-60	HIGH	23	30	23	118	23	30	23	118	23	30	23	118	25	30	26	120	25	30	26	120	25	120	
		STD	15	20	15	70	15	20	15	70	15	20	15	70	17	20	17	72	17	20	17	72	17	72	
		MED	17	20	17	85	17	20	17	85	17	20	17	85	18	20	19	87	18	20	19	87	18	87	
		HIGH	19	25	20	99	19	25	20	99	19	25	20	99	21	25	22	101	21	25	22	101	21	101	
	208/230-3-60	STD	51	60	54	203	51	60	54	203	51	60	54	203	56	60	60	208	56	60	60	208	56	208	
		MED	53/53	60/60	56/56	241	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	58/58	62/62	246
		HIGH	57	60	61	270	57	60	61	270	57	60	61	270	61	70	66	275	61	70	66	275	61	275	
		STD	24	25	25	101	24	25	25	101	24	25	25	101	26	30	28	103	26	30	28	103	26	103	
	460-3-60	MED	25	30	26	120	25	30	26	120	25	30	26	120	27	30	29	122	27	30	29	122	27	122	
		HIGH	27	30	28	135	27	30	28	135	27	30	28	135	29	30	31	137	29	30	31	137	29	137	
		STD	18	20	19	83	18	20	19	83	18	20	19	83	20	25	21	85	20	25	21	85	20	85	
		MED	19	20	20	87	19	20	20	87	19	20	20	87	20	25	22	89	20	25	22	89	20	89	
575-3-60	HIGH	19	20	21	98	19	20	21	98	19	20	21	98	21	25	22	100	21	25	22	100	21	100		

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/ ERV, w/o Economizer						w/ ERV, w/ Economizer																	
			MCA	MAX FUSE or HACR BRKR	FLA	LRA	MCA	MAX FUSE or HACR BRKR	FLA	LRA	MCA	MAX FUSE or HACR BRKR	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	61/60	212	57/56	60/60	61/60	212	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	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	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	24	30	103	207	26	30	28	105	26	30	28	105	26	30	28	105
		MED	25	30	26	106	25	30	26	106	25	30	106	206	27	30	29	108	27	30	29	108	27	30	29	108
		HIGH	26	30	28	131	26	30	28	131	26	30	131	208	28	30	30	133	28	30	30	133	28	30	30	133
	575-3-60	STD	19	20	21	85	19	20	21	85	19	20	85	21	21	25	22	87	21	25	22	87	21	25	22	87
		MED	20	25	21	89	20	25	21	89	20	25	89	21	22	25	23	91	22	25	23	91	22	25	23	91
		HIGH	21	25	22	98	21	25	22	98	21	25	98	22	23	25	24	100	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	61/60	211	57/57	60/60	61/61	212	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	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	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	24	30	103	206	27	30	28	105	27	30	28	105	27	30	28	105
		MED	25	30	26	106	25	30	26	106	25	30	106	206	27	30	29	108	27	30	29	108	27	30	29	108
		HIGH	26	30	28	131	26	30	28	131	26	30	131	208	29	30	31	133	29	30	31	133	29	30	31	133
	575-3-60	STD	21	25	22	85	21	25	22	85	21	25	85	22	22	25	24	87	22	25	24	87	22	25	24	87
		MED	21	25	23	89	21	25	23	89	21	25	89	23	23	25	25	91	23	25	25	91	23	25	25	91
		HIGH	22	25	24	98	22	25	24	98	22	25	98	24	24	26	26	100	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	67/67	266	67/67	80/80	73/72	271	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	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	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	29	30	128	207	31	35	33	130	31	35	33	130	31	35	33	130
		MED	30	35	32	153	30	35	32	153	30	35	153	206	32	35	35	155	32	35	35	155	32	35	35	155
		HIGH	32	35	34	158	32	35	34	158	32	35	158	208	34	40	36	160	34	40	36	160	34	40	36	160
	575-3-60	STD	24	30	26	103	24	30	26	103	24	30	103	206	26	30	28	105	26	30	28	105	26	30	28	105
		MED	25	30	27	112	25	30	27	112	25	30	112	207	27	30	29	114	27	30	29	114	27	30	29	114
		HIGH	27	30	29	126	27	30	29	126	27	30	126	208	29	35	31	128	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/ ERV, w/o Economizer						w/ ERV, w/ Economizer						w/ PWRD C.O.								
			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	66/65	291	66/66	80/80	66/65	291	66/66	80/80	66/66	80/80	71/71	296	66/66	80/80	71/71	296	
		MED	65/64	80/70	70/69	341	65/64	341	70/69	80/70	70/69	341	70/69	80/80	70/69	70/69	80/80	75/74	346	70/69	80/80	75/74	346
		HIGH	68/67	80/80	73/72	352	68/67	352	73/72	80/80	73/72	352	73/72	80/80	73/72	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	30	35	31	140	32	35	34	142	32	35	34	142	35
		MED	31	35	33	165	31	35	33	165	31	35	33	165	33	40	36	167	33	40	36	167	40
		HIGH	33	35	35	170	33	35	35	170	33	35	35	170	35	40	37	172	35	40	37	172	40
	575-3-60	STD	25	30	26	113	25	30	26	113	25	30	26	113	26	30	28	115	26	30	28	115	30
		MED	26	30	27	122	26	30	27	122	26	30	27	122	27	30	29	124	27	30	29	124	30
		HIGH	28	30	29	136	28	30	29	136	28	30	29	136	29	35	31	138	29	35	31	138	35
	48HC*D14 (2-stage cool)	208/230-3-60	STD	74/73	80/80	79/78	353	74/73	353	79/78	80/80	79/78	353	79/78	90/90	79/78	80/80	84/83	358	79/78	90/90	84/83	358
			MED	76/75	90/80	81/80	377	76/75	377	81/80	90/80	81/80	377	81/80	90/90	81/80	81/80	87/86	382	81/80	90/90	87/86	382
			HIGH	86	100	92	392	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	32	35	34	172	34	40	37	174	34	40	37	174	40
		MED	33	40	35	184	33	40	35	184	33	40	35	184	35	40	38	186	35	40	38	186	40
		HIGH	39	45	41	191	39	45	41	191	39	45	41	191	41	50	44	193	41	50	44	193	50
575-3-60		STD	29	35	31	145	29	35	31	145	29	35	31	145	31	35	33	147	31	35	33	147	35
		MED	29	35	31	145	29	35	31	145	29	35	31	145	31	35	33	147	31	35	33	147	35
		HIGH	34	40	36	157	34	40	36	157	34	40	36	157	36	40	38	159	36	40	38	159	40

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 PE.						w/ P.E. (pwrd fr/ unit)						NO PE.			w/ RE. (pwrd fr/ unit)					
			MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	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	52/52	60/60	55/55	207	52/52	60/60	55/55	207	52/52	60/60	55/55	207	
		MED	53/53	60/60	57/56	211	53/53	60/60	57/56	211	53/53	60/60	57/56	211	53/53	60/60	57/56	211	53/53	60/60	57/56	211	
		HIGH	57/57	60/60	61/60	261	57/57	60/60	61/60	261	57/57	60/60	61/60	261	57/57	60/60	61/60	261	57/57	60/60	61/60	261	
	460-3-60	STD	24	30	25	103	24	30	25	103	24	30	25	103	24	30	25	103	24	30	25	103	
		MED	25	30	26	106	25	30	26	106	25	30	26	106	25	30	26	106	25	30	26	106	
		HIGH	26	30	28	131	26	30	28	131	26	30	28	131	26	30	28	131	26	30	28	131	
575-3-60	STD	19	20	21	85	19	20	21	85	19	20	21	85	19	20	21	85	19	20	21	85		
	MED	20	25	21	89	20	25	21	89	20	25	21	89	20	25	21	89	20	25	21	89		
	HIGH	21	25	22	98	21	25	22	98	21	25	22	98	21	25	22	98	21	25	22	98		
48HC*D09 (2-stage cool)	208/230-3-60	STD	52/52	60/60	55/55	207	52/52	60/60	55/55	207	52/52	60/60	55/55	207	52/52	60/60	55/55	207	52/52	60/60	55/55	207	
		MED	53/53	60/60	57/57	211	53/53	60/60	57/57	211	53/53	60/60	57/57	211	53/53	60/60	57/57	211	53/53	60/60	57/57	211	
		HIGH	57/57	70/70	61/60	261	57/57	70/70	61/60	261	57/57	70/70	61/60	261	57/57	70/70	61/60	261	57/57	70/70	61/60	261	
	460-3-60	STD	24	30	26	103	24	30	26	103	24	30	26	103	24	30	26	103	24	30	26	103	
		MED	25	30	26	106	25	30	26	106	25	30	26	106	25	30	26	106	25	30	26	106	
		HIGH	26	30	28	131	26	30	28	131	26	30	28	131	26	30	28	131	26	30	28	131	
575-3-60	STD	21	25	22	85	21	25	22	85	21	25	22	85	21	25	22	85	21	25	22	85		
	MED	21	25	23	89	21	25	23	89	21	25	23	89	21	25	23	89	21	25	23	89		
	HIGH	22	25	24	98	22	25	24	98	22	25	24	98	22	25	24	98	22	25	24	98		
48HC*D11 (2-stage cool)	208/230-3-60	STD	63/63	70/70	67/67	266	63/63	70/70	67/67	266	63/63	70/70	67/67	266	63/63	70/70	67/67	266	63/63	70/70	67/67	266	
		MED	66/66	80/80	71/70	316	66/66	80/80	71/70	316	66/66	80/80	71/70	316	66/66	80/80	71/70	316	66/66	80/80	71/70	316	
		HIGH	69/69	80/80	74/73	327	69/69	80/80	74/73	327	69/69	80/80	74/73	327	69/69	80/80	74/73	327	69/69	80/80	74/73	327	
	460-3-60	STD	29	30	30	128	29	30	30	128	29	30	30	128	29	30	30	128	29	30	30	128	
		MED	30	35	32	153	30	35	32	153	30	35	32	153	30	35	32	153	30	35	32	153	
		HIGH	32	35	34	158	32	35	34	158	32	35	34	158	32	35	34	158	32	35	34	158	
575-3-60	STD	24	30	26	103	24	30	26	103	24	30	26	103	24	30	26	103	24	30	26	103		
	MED	25	30	27	112	25	30	27	112	25	30	27	112	25	30	27	112	25	30	27	112		
	HIGH	27	30	29	126	27	30	29	126	27	30	29	126	27	30	29	126	27	30	29	126		

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 PE.					w/ P.E. (pwrd fr/ unit)					NO PE.					w/ P.E. (pwrd fr/ unit)				
			MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	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	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	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	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	32	35	34	142
		MED	31	35	33	165	31	35	33	165	33	40	36	167	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	35	40	37	172
575-3-60	STD	25	30	26	113	25	30	26	113	26	30	28	115	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	27	30	29	124	
	HIGH	28	30	29	136	28	30	29	136	29	35	31	138	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	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	81/81	90/90	87/86	382
		HIGH	86	100	92	392	86	100	92	392	91	100	98	397	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	34	40	37	174
		MED	33	40	35	184	33	40	35	184	35	40	38	186	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	41	50	44	193
575-3-60	STD	29	35	31	145	29	35	31	145	31	35	33	147	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	31	35	33	147	
	HIGH	34	40	36	157	34	40	36	157	36	40	38	159	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 (cont)

UNIT	NO M. V-PH-HZ	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										
				MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA						
50HC-A04 (1-stage cool)	DD-STD	NONE	-	-	16	20	16	47	47	16	16	16	47	47	18	20	18	49	49	18	18	20	18	49	49				
					19	20	17	47	47	19	19	17	47	47	19	19	22	25	22	49	49	22	22	25	25	19	19	49	49
					23	25	21	47	47	23	23	21	47	47	23	23	26	30	26	49	49	26	26	30	26	23	23	49	49
					27	30	24	47	47	27	27	24	47	47	27	27	30	30	30	49	49	30	30	30	30	27	27	49	49
					31	35	28	47	47	31	31	28	47	47	31	31	34	35	34	49	49	34	34	35	34	30	30	49	49
					14	20	14	52	52	14	14	14	52	52	14	14	17	20	17	54	54	17	17	20	17	17	17	54	54
					17	20	15	52	52	17	17	15	52	52	17	17	20	20	20	54	54	20	20	20	20	18	18	54	54
					21	25	19	52	52	21	21	19	52	52	21	21	24	25	24	54	54	24	24	25	24	22	22	54	54
					25	25	23	52	52	25	25	23	52	52	25	25	28	30	28	54	54	28	28	30	28	25	25	54	54
					29	30	26	52	52	29	29	26	52	52	29	29	32	35	32	54	54	32	32	35	32	29	29	54	54
50HC-A04 (1-stage cool)	460-3-60	NONE	-	-	14	20	14	61	61	14	14	14	61	61	16	20	16	63	63	16	16	20	16	63	63				
					17	20	15	61	61	17	17	15	61	61	17	17	20	20	20	63	63	20	20	20	20	63	63		
					21	25	19	61	61	21	21	19	61	61	21	21	24	25	24	63	63	24	24	25	24	22	22	63	63
					25	25	23	61	61	25	25	23	61	61	25	25	28	30	28	63	63	28	28	30	28	25	25	63	63
					29	30	26	61	61	29	29	26	61	61	29	29	32	35	32	63	63	32	32	35	32	29	29	63	63
					16	20	16	79	79	16	16	16	79	79	16	16	18	20	18	81	81	18	18	20	18	19	19	81	81
					19	20	17	79	79	19	19	17	79	79	19	19	22	25	22	81	81	22	22	25	22	20	20	81	81
					23	25	21	79	79	23	23	21	79	79	23	23	26	30	26	81	81	26	26	30	26	24	24	81	81
					27	30	25	79	79	27	27	25	79	79	27	27	30	30	30	81	81	30	30	30	30	27	27	81	81
					31	35	28	79	79	31	31	28	79	79	31	31	34	35	34	81	81	34	34	35	34	31	31	81	81
50HC-A04 (1-stage cool)	DD-STD	NONE	-	-	15	20	16	47	47	15	15	15	47	47	17	20	17	49	49	17	17	20	17	49	49				
					24	25	21	47	47	24	24	21	47	47	24	24	26	30	26	49	49	26	26	30	26	23	23	49	49
					29	30	27	47	47	29	29	27	47	47	29	29	31	35	31	49	49	31	31	35	31	28	28	49	49
					12	15	12	50	50	12	12	12	50	50	12	12	14	15	14	52	52	14	14	15	14	14	14	52	52
					20	20	18	50	50	20	20	18	50	50	20	20	22	25	22	52	52	22	22	25	22	20	20	52	52
					26	30	23	50	50	26	26	23	50	50	26	26	28	30	28	52	52	28	28	30	28	25	25	52	52
					12	15	12	50	50	12	12	12	50	50	12	12	14	15	14	52	52	14	14	15	14	14	14	52	52
					20	20	18	50	50	20	20	18	50	50	20	20	22	25	22	52	52	22	22	25	22	20	20	52	52
					26	30	23	50	50	26	26	23	50	50	26	26	28	30	28	52	52	28	28	30	28	25	25	52	52
					13	15	13	54	54	13	13	13	54	54	13	13	15	15	15	56	56	15	15	15	15	15	15	56	56
50HC-A04 (1-stage cool)	575-3-60	NONE	-	-	13	15	13	54	54	13	13	13	54	54	15	20	15	56	56	15	15	20	15	15	56				
					21	25	19	54	54	21	21	19	54	54	21	21	23	25	23	56	56	23	23	25	23	56	56		
					27	30	24	54	54	27	27	24	54	54	27	27	29	30	29	56	56	29	29	30	29	26	26	56	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	ELEC. HTR			NO C.O. or UNPWR C.O.												w/ PWRD C.O.											
		CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer											
					MCA	MAX FUSE or HACR BRKR	FLA	LRA	MCA	MAX FUSE or HACR BRKR	FLA	LRA	MCA	MAX FUSE or HACR BRKR	FLA	LRA	MCA	MAX FUSE or HACR BRKR	FLA	LRA								
50HC-A05 (1-stage cool)	DD-STD	NONE	-	-	17	20	17	51	17	20	17	51	17	20	17	51	19	25	20	53	19	25	20	53				
		108A	6.0	7.2	19	20	17	51	17	20	20	17	51	19	25	20	53	22	25	20	53	22	25	20	53			
		108A	11.5	13.8	27	30	25	51	25	30	27	51	27	30	25	51	30	30	30	53	30	30	27	53	30	30		
		108A	14.0	16.8	31	35	28	51	28	31	35	28	51	31	35	28	51	34	35	31	53	34	35	31	53	34	35	
		108A+108A	23.0	27.7	45	45	41	51	41	45	45	41	51	45	45	41	51	48	50	43	53	48	50	43	53	48	50	
		NONE	-	-	16	20	16	56	16	20	16	20	16	56	16	20	16	56	18	20	18	58	18	20	18	58	18	20
	STD	108A	6.0	7.2	17	20	16	56	16	20	16	56	16	20	16	56	20	20	18	58	20	20	18	58	20	20	18	58
		108A	11.5	13.8	26	30	23	56	26	30	23	56	26	30	23	56	28	30	26	58	28	30	26	58	28	30	26	58
		108A	14.0	16.8	29	30	27	56	29	30	27	56	29	30	27	56	32	35	29	58	32	35	29	58	32	35	29	58
	MED	108A+108A	23.0	27.7	43	45	39	56	43	45	39	56	43	45	39	56	46	50	42	58	46	50	42	58	46	50	42	58
		NONE	-	-	15	20	15	65	15	20	15	65	15	20	15	65	18	20	18	67	18	20	18	67	18	20	18	67
		108A	6.0	7.2	17	20	16	65	17	20	16	65	17	20	16	65	20	20	18	67	20	20	18	67	20	20	18	67
HIGH	108A	11.5	13.8	26	30	23	65	26	30	23	65	26	30	23	65	28	30	26	67	28	30	26	67	28	30	26	67	
	108A	14.0	16.8	29	30	27	65	29	30	27	65	29	30	27	65	32	35	29	67	32	35	29	67	32	35	29	67	
	108A+108A	23.0	27.7	43	45	39	65	43	45	39	65	43	45	39	65	46	50	42	67	46	50	42	67	46	50	42	67	
DD-STD	NONE	-	-	17	20	17	83	17	20	17	83	17	20	17	83	19	25	20	85	19	25	20	85	19	25	20	85	
	108A	6.0	7.2	19	20	18	83	19	20	18	83	19	20	18	83	22	25	20	85	22	25	20	85	22	25	20	85	
	108A	11.5	13.8	28	30	25	83	28	30	25	83	28	30	25	83	30	35	28	85	30	35	28	85	30	35	28	85	
STD	108A	14.0	16.8	31	35	29	83	31	35	29	83	31	35	29	83	34	35	31	85	34	35	31	85	34	35	31	85	
	108A+108A	23.0	27.7	45	45	41	83	45	45	41	83	45	45	41	83	48	50	44	85	48	50	44	85	48	50	44	85	
	NONE	-	-	15	20	16	43	15	20	16	43	15	20	16	43	17	20	18	45	17	20	18	45	17	20	18	45	
DD-STD	297A	9.2	9.2	22	25	20	43	22	25	20	43	22	25	20	43	24	25	22	45	24	25	22	45	24	25	22	45	
	298A	13.8	13.8	27	30	25	43	27	30	25	43	27	30	25	43	30	30	27	45	30	30	27	45	30	30	27	45	
	NONE	-	-	12	15	12	46	12	15	12	46	12	15	12	46	14	15	14	48	14	15	14	48	14	15	14	48	
STD	297A	9.2	9.2	18	20	16	46	18	20	16	46	18	20	16	46	20	20	18	48	20	20	18	48	20	20	18	48	
	298A	13.8	13.8	24	25	22	46	24	25	22	46	24	25	22	46	26	30	24	48	26	30	24	48	26	30	24	48	
	NONE	-	-	13	15	13	46	13	15	13	46	13	15	13	46	14	20	15	48	14	20	15	48	14	20	15	48	
MED	297A	9.2	9.2	19	20	17	46	19	20	17	46	19	20	17	46	21	25	19	48	21	25	19	48	21	25	19	48	
	298A	13.8	13.8	24	25	22	46	24	25	22	46	24	25	22	46	27	30	24	48	27	30	24	48	27	30	24	48	
	NONE	-	-	14	15	14	61	14	15	14	61	14	15	14	61	16	20	16	63	16	20	16	63	16	20	16	63	
HIGH	297A	9.2	9.2	20	20	18	61	20	20	18	61	20	20	18	61	22	25	20	63	22	25	20	63	22	25	20	63	
	298A	13.8	13.8	26	30	23	61	26	30	23	61	26	30	23	61	28	30	25	63	28	30	25	63	28	30	25	63	
	NONE	-	-	14	15	14	61	14	15	14	61	14	15	14	61	16	20	16	63	16	20	16	63	16	20	16	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	ELEC. HTR			NO C.O. or UNPWR C.O.												w/ PWRD C.O.								
		IFM TYPE	CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer							
						MCA	MAX FUSE or HACR BRKR	FLA	LRA	MCA	MAX FUSE or HACR BRKR	FLA	LRA	MCA	MAX FUSE or HACR BRKR	FLA	LRA	MCA	MAX FUSE or HACR BRKR	FLA	LRA				
50HC-A06 (1-stage cool)	460-3-60	DD-STD	NONE	-	-	18	20	18	62	18	20	18	62	18	20	18	62	20	25	21	64	20	25	21	64
			108A	6.0	7.2	19	20	18	62	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	27	30	25	62	30	30	27	64	30	30	27	64
			108A	14.0	16.8	31	35	28	62	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	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	49	50	44	62	51	60	47	64	51	60	47	64	
		STD	NONE	-	-	17	20	16	67	17	20	16	67	17	20	16	67	19	25	19	69	19	25	19	69
			108A	6.0	7.2	17	20	16	67	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	26	30	23	67	28	30	26	69	28	30	26	69
			108A	14.0	16.8	29	30	27	67	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	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	47	50	43	67	50	50	45	69	50	50	45	69			
MED	NONE	-	-	18	20	18	94	18	20	18	94	18	20	18	94	20	25	21	96	20	25	21	96		
	108A	6.0	7.2	19	20	18	94	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	28	30	25	94	30	35	28	96	30	35	28	96		
	108A	14.0	16.8	31	35	29	94	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	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	49	50	45	94	52	60	47	96	52	60	47	96			
HIGH	NONE	-	-	18	20	18	94	18	20	18	94	18	20	18	94	20	25	21	96	20	25	21	96		
	108A	6.0	7.2	19	20	18	94	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	28	30	25	94	30	35	28	96	30	35	28	96		
	108A	14.0	16.8	31	35	29	94	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	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	49	50	45	94	52	60	47	96	52	60	47	96			
DD-STD	NONE	-	-	16	20	16	50	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	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	39	40	36	50	41	45	38	52	41	45	38	52		
STD	NONE	-	-	13	15	13	53	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	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	36	40	32	53	38	40	34	55	38	40	34	55		
MED	NONE	-	-	14	15	14	57	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	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	37	40	33	57	39	40	35	59	39	40	35	59		
HIGH	NONE	-	-	14	20	15	68	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	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	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	ELEC. HTR		NO C.O. or UNPWR C.O.						w/ PWR C.O.												
		IFM TYPE	CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer							
						MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA					
STD	460-3-60	NONE	NONE	-	-	41	169	41	169	41	169	46	60	60	47	174	46	60	60	47	174	
		264A	264A	4.9/6.5	13.6/15.6	41/41	169/169	41/41	169/169	41/41	169/169	46/46	60/60	46/46	60/60	47/47	174/174	46/46	60/60	60/60	47/47	174/174
		117A	117A	7.8/10.4	21.7/25.0	41/44	169/169	44/48	169/169	41/44	169/169	50/54	60/60	50/54	60/60	47/50	174/174	50/54	60/60	60/60	47/50	174/174
		110A	110A	12.0/16.0	33.4/38.5	54/60	169/169	59/65	169/169	54/60	169/169	65/71	70/80	65/71	70/80	59/65	174/174	65/71	70/80	70/80	59/65	174/174
		117A+117A	117A+117A	15.8/21.0	43.8/50.5	68/73	169/169	72/80	169/169	68/73	169/169	78/86	80/90	78/86	80/90	71/79	174/174	78/86	80/90	80/90	71/79	174/174
		110A+117A	110A+117A	19.9/26.5	55.2/63.8	79/89	169/169	86/97	169/169	79/89	169/169	92/103	90/100	92/103	100/110	84/94	174/174	92/103	100/110	100/110	84/94	174/174
		NONE	NONE	-	-	45/45	222	44/44	222	45/45	222	49/49	60/60	49/49	60/60	50/50	227	49/49	60/60	60/60	50/50	227
		264A	264A	4.9/6.5	13.6/15.6	44/44	222/222	44/44	222/222	44/44	222/222	44/44	60/60	44/44	60/60	50/50	227/227	49/49	60/60	60/60	50/50	227/227
		117A	117A	7.8/10.4	21.7/25.0	45/48	222/222	48/52	222/222	45/48	222/222	54/58	60/60	54/58	60/60	50/53	227/227	54/58	60/60	60/60	50/53	227/227
		110A	110A	12.0/16.0	33.4/38.5	57/63	222/222	63/69	222/222	57/63	222/222	69/75	70/80	69/75	70/80	63/69	227/227	69/75	70/80	70/80	63/69	227/227
		117A+117A	117A+117A	15.8/21.0	43.8/50.5	69/77	222/222	76/84	222/222	69/77	222/222	82/90	80/90	82/90	90/90	75/82	227/227	82/90	90/90	90/90	75/82	227/227
		110A+117A	110A+117A	19.9/26.5	55.2/63.8	82/92	222/222	90/101	222/222	82/92	222/222	96/107	90/110	96/107	100/110	88/98	227/227	96/107	100/110	100/110	88/98	227/227
HIGH	460-3-60	NONE	NONE	-	-	19	83	19	83	19	83	21	25	21	85	21	25	25	21	85		
		265A	265A	6.0	7.2	19	83	19	83	19	83	21	25	21	25	21	85	21	25	21	85	
		266A	266A	11.5	13.8	23	83	26	83	23	83	28	30	28	30	26	85	28	30	26	85	
		267A	267A	14.0	16.8	27	83	29	83	27	83	32	35	32	35	29	85	32	35	29	85	
		268A	268A	23.0	27.7	39	83	43	83	39	83	46	50	46	50	42	85	46	50	42	85	
		269A	269A	25.5	30.7	43	83	47	83	43	83	50	50	50	50	45	85	50	50	45	85	
		NONE	NONE	-	-	20	110	20	110	20	110	23	30	23	30	23	112	23	30	23	112	
		265A	265A	6.0	7.2	20	110	20	110	20	110	23	30	23	30	23	112	23	30	23	112	
		266A	266A	11.5	13.8	25	110	28	110	25	110	30	35	30	35	28	112	30	35	28	112	
		267A	267A	14.0	16.8	29	110	31	110	29	110	34	35	31	35	31	112	34	35	31	112	
		268A	268A	23.0	27.7	41	110	45	110	41	110	48	48	44	50	44	112	48	50	44	112	
		269A	269A	25.5	30.7	45	110	49	110	45	110	52	50	52	60	47	112	52	60	47	112	
STD	575-3-60	NONE	NONE	-	-	23	118	23	118	23	118	25	30	26	120	25	30	26	120			
		265A	265A	6.0	7.2	23	118	23	118	23	118	25	30	25	120	25	30	26	120			
		266A	266A	11.5	13.8	28	118	30	118	28	118	33	35	30	120	33	35	30	120			
		267A	267A	14.0	16.8	31	118	34	118	31	118	37	40	34	120	37	40	34	120			
		268A	268A	23.0	27.7	44	118	48	118	44	118	51	60	46	120	51	60	46	120			
		269A	269A	25.5	30.7	47	118	52	118	47	118	54	60	50	120	54	60	50	120			
		NONE	NONE	-	-	15	70	15	70	15	70	17	20	17	20	17	72	17	20	17	72	
		118A	118A	17.0	20.4	30	70	33	70	30	70	35	35	32	35	32	72	35	35	32	72	
		299A	299A	25.7	25.8	36	70	39	70	36	70	42	45	42	45	38	72	42	45	38	72	
		NONE	NONE	-	-	17	85	17	85	17	85	18	20	18	20	19	87	18	20	19	87	
		118A	118A	17.0	20.4	31	85	34	85	31	85	36	40	36	40	33	87	36	40	33	87	
		299A	299A	25.7	25.8	37	85	41	85	37	85	43	45	43	45	39	87	43	45	39	87	
HIGH	575-3-60	NONE	NONE	-	-	20	99	20	99	21	25	21	25	22	101	21	25	22	101			
		118A	118A	17.0	20.4	34	99	38	99	34	40	40	40	36	101	40	40	36	101			
		299A	299A	25.7	25.8	41	99	44	99	41	45	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	ELEC. HTR			NO C.O. or UNPWR C.O.												w/ PWR C.O.																				
	IFM TYPE	CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer						w/ ERV, w/ Economizer						w/ ERV, w/o Economizer						w/ ERV, w/ Economizer													
					MCA	MAX FUSE or HACR BRKR	FLA	LRA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	LRA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	LRA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	LRA	DISC. SIZE												
NO M. V-PH-HZ	STD	NONE 117A 110A 111A 112A 112A+117A	- 7.8/10.4 12.0/16.0 18.6/24.8 24.0/32.0 31.8/42.4	- 21.7/25.0 33.4/38.5 51.7/59.7 66.7/77.0 88.4/102.0	51	60	55	203	55	51	60	55	203	51	60	55	203	51	60	55	203	51	60	55	203											
					51/53	60/60	55/55	203/203	51/53	60/60	55/55	203/203	51/53	60/60	55/55	203/203	51/53	60/60	55/55	203/203	51/53	60/60	55/55	203/203	51/53	60/60	55/55	203/203								
					64/70	70/70	58/64	203/203	64/70	70/70	58/64	203/203	64/70	70/70	58/64	203/203	64/70	70/70	58/64	203/203	64/70	70/70	58/64	203/203	64/70	70/70	58/64	203/203								
50HC-D09 (2-stage cool)	STD	NONE 117A 110A 111A 112A 112A+117A	- 7.8/10.4 12.0/16.0 18.6/24.8 24.0/32.0 31.8/42.4	- 21.7/25.0 33.4/38.5 51.7/59.7 66.7/77.0 88.4/102.0	57	60	61	270	61	57	60	61	270	57	60	61	270	57	60	61	270	57	60	61	270											
					57/60	60/60	61/61	270/270	57/60	60/60	61/61	270/270	57/60	60/60	61/61	270/270	57/60	60/60	61/61	270/270	57/60	60/60	61/61	270/270	57/60	60/60	61/61	270/270								
					70/77	70/80	64/70	270/270	70/77	70/80	64/70	270/270	70/77	70/80	64/70	270/270	70/77	70/80	64/70	270/270	70/77	70/80	64/70	270/270	70/77	70/80	64/70	270/270								
					93/103	100/110	85/95	270/270	93/103	100/110	85/95	270/270	93/103	100/110	85/95	270/270	93/103	100/110	85/95	270/270	93/103	100/110	85/95	270/270	93/103	100/110	85/95	270/270								
	MED	NONE 117A 110A 111A 112A 112A+117A	- 7.8/10.4 12.0/16.0 18.6/24.8 24.0/32.0 31.8/42.4	- 21.7/25.0 33.4/38.5 51.7/59.7 66.7/77.0 88.4/102.0	139/156	150/175	128/143	270/270	139/156	150/175	128/143	270/270	139/156	150/175	128/143	270/270	139/156	150/175	128/143	270/270	139/156	150/175	128/143	270/270	139/156	150/175	128/143	270/270								
					24	30	25	101	24	30	25	101	24	30	25	101	24	30	25	101	24	30	25	101	24	30	25	101	24	30	25	101				
					24	30	25	101	24	30	25	101	24	30	25	101	24	30	25	101	24	30	25	101	24	30	25	101	24	30	25	101				
					24	30	25	101	24	30	25	101	24	30	25	101	24	30	25	101	24	30	25	101	24	30	25	101	24	30	25	101				
	HIGH	NONE 117A 110A 111A 112A 112A+117A	- 7.8/10.4 12.0/16.0 18.6/24.8 24.0/32.0 31.8/42.4	- 21.7/25.0 33.4/38.5 51.7/59.7 66.7/77.0 88.4/102.0	27	30	28	135	27	30	28	135	27	30	28	135	27	30	28	135	27	30	28	135	27	30	28	135	27	30	28	135				
					27	30	28	135	27	30	28	135	27	30	28	135	27	30	28	135	27	30	28	135	27	30	28	135	27	30	28	135				
					35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135				
					35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135				
460-3-60	STD	NONE 118A 119A 114A 115A 114A+116A	- 13.9 16.5 27.8 33.0 41.7	- 16.7 19.8 33.4 39.7 50.2	25	30	26	120	25	25	30	26	120	25	25	30	26	120	25	25	30	26	120	25	25	30	26	120	25	25	30	26	120			
					25	30	29	120	25	30	29	120	25	30	29	120	25	30	29	120	25	30	29	120	25	30	29	120	25	30	29	120	25	30	29	120
					32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120
					32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120
	MED	NONE 118A 119A 114A 115A 114A+116A	- 13.9 16.5 27.8 33.0 41.7	- 16.7 19.8 33.4 39.7 50.2	25	30	26	120	25	25	30	26	120	25	25	30	26	120	25	25	30	26	120	25	25	30	26	120	25	25	30	26	120			
					25	30	29	120	25	30	29	120	25	30	29	120	25	30	29	120	25	30	29	120	25	30	29	120	25	30	29	120	25	30	29	120
					32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120
					32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120	32	35	33	120
	HIGH	NONE 118A 119A 114A 115A 114A+116A	- 13.9 16.5 27.8 33.0 41.7	- 16.7 19.8 33.4 39.7 50.2	27	30	28	135	27	27	30	28	135	27	27	30	28	135	27	27	30	28	135	27	27	30	28	135	27	27	30	28	135			
					27	30	28	135	27	30	28	135	27	30	28	135	27	30	28	135	27	30	28	135	27	30	28	135	27	30	28	135	27	30	28	135
					35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135
					35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135	35	35	32	135
575-3-60	STD	NONE 118A 119A 114A 115A 114A+116A	- 17.0 34.0	- 20.4 40.9	20	25	21	83	20	20	25	21	83	20	20	25	21	83	20	20	25	21	83	20	20	25	21	83	20	20	25	21	83			
					20	25	21	83	20	25	21	83	20	25	21	83	20	25	21	83	20	25	21	83	20	25	21	83	20	25	21	83	20	25	21	83
					35	35	32	83	35	35	32	83	35	35	32	83	35	35	32	83	35	35	32	83	35	35	32	83	35	35	32	83	35	35	32	83
					35	35	32	83	35	35	32	83	35	35	32	83	35	35	32	83	35	35	32	83	35	35	32	83	35	35	32	83	35	35	32	83
	MED	NONE 118A 119A 114A 115A 114A+116A	- 17.0 34.0	- 20.4 40.9	20	25	21	87	20	20	25	21	87	20	20	25	21	87	20	20	25	21	87	20	20	25	21	87	20	20	25	21	87			
					20	25	21	87	20	25	21	87	20	25	21	87	20	25	21	87	20	25	21	87	20	25	21	87	20	25	21	87	20	25	21	87
					35	35	32	87	35	35	32	87	35	35	32	87	35	35	32	87	35	35	32	87	35	35	32	87	35	35	32	87	35	35	32	87
					35	35	32	87	35	35	32	87	35	35	32	87	35	35	32	87	35	35	32	87	35	35	32	87	35	35	32	87	35	35	32	87
	HIGH	NONE 118A 119A 114A 115A 114A+116A	- 17.0 34.0	- 20.4 40.9	21	25	22	98	21	21	25	22	98	21	21	25	22	98	21	21	25	22	98	21	21	25	22	98	21	21	25	22	98			
					21	25	22	98	21	25	22	98	21	25	22	98	21	25	22	98	21	25	22	98	21	25	22	98	21	25	22	98	21	25	22	98
					36	40	33	98	36	40	33	98	36	40	33	98	36	40	33	98	36	40	33	98	36	40	33	98	36	40	33	98	36	40	33	98
					36	40	33	98	36	40	33	98	36	40	33	98	36	40	33	98	36	40	33	98	36	40	33	98	36	40	33	98	36	40	33	98

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)

Table with columns: UNIT, IFM TYPE, ELEC. HTR, CRHEATER***A00, Nom (kW), FLA, NO C.O. or UNPWR C.O., w/ ERV, w/o Economizer (MCA, FUSE OF BRKR, DISC. SIZE, FLA, LRA), w/ ERV, w/o Economizer (MCA, FUSE OF BRKR, DISC. SIZE, FLA, LRA), MCA, FUSE OF BRKR, DISC. SIZE, FLA, LRA, MCA, FUSE OF BRKR, DISC. SIZE, FLA, LRA, w/ ERV, w/o Economizer (MCA, FUSE OF BRKR, DISC. SIZE, FLA, LRA), w/ ERV, w/o Economizer (MCA, FUSE OF BRKR, DISC. SIZE, FLA, LRA), DISC. SIZE, FLA, LRA.

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	IFM TYPE	ELEC. HTR						NO C.O. or UNPWR C.O.						w/ PWRD C.O.								
		CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer								
					MCA	MAX FUSE OF HACR BRKR	DISC. SIZE		MCA	MAX FUSE OF BRKR	DISC. SIZE		MCA	MAX FUSE OF BRKR	DISC. SIZE							
		FLA	LRA	FLA			LRA	FLA			LRA	FLA			LRA							
50HC-D12 (2-stage cool)	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	80/80	63/63	294/294	64/64	70/70	69/69	299/299	64/64	80/80	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	80/80	63/64	294/294	70/76	70/80	69/70	299/299	70/76	80/90	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	125/125	96/108	294/294	111/124	125/125	102/114	299/299	111/124	150/150	102/114	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	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	145/164	299/299	
		NONE	-	-	65	80	70	350	65	80	70	350	70	350	70	355	70	355	80	75	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	350/350	70/70	355/355	70/70	355/355	80/80	75/75	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	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	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	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	151/170	355/355	
		NONE	-	-	68/67	80/80	73/72	352	68/67	80/80	73/72	352	73/72	357	73/72	357	73/72	357	80/80	79/78	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	357/357	73/72	357/357	73/72	357/357	80/80	79/78	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	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	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	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	155/172	357/357			
NONE	-	-	29	35	31	141	29	35	31	141	31	141	31	33	31	33	35	33	33	143		
116A	13.9	16.7	31	35	31	141	31	35	31	141	34	141	34	35	33	33	35	33	33	143		
113A	16.5	19.8	35	40	32	141	35	40	32	141	38	141	38	40	35	35	40	35	35	143		
115A	33.0	39.7	60	60	55	141	60	60	55	141	63	141	63	70	57	57	70	57	57	143		
114A+116A	41.7	50.2	73	80	67	141	73	80	67	141	76	141	76	80	70	70	80	70	70	143		
115A+113A	50.0	60.1	80	80	78	141	80	80	78	141	83	141	83	80	81	81	80	81	81	143		
NONE	-	-	32	35	34	169	32	35	34	169	34	169	34	40	36	36	40	36	36	171		
116A	13.9	16.7	35	35	34	169	35	35	34	169	38	169	38	40	36	36	40	36	36	171		
113A	16.5	19.8	39	40	35	169	39	40	35	169	41	169	41	45	38	38	45	45	45	171		
115A	33.0	39.7	64	70	58	169	64	70	58	169	66	169	66	70	61	61	70	61	61	171		
114A+116A	41.7	50.2	77	80	70	169	77	80	70	169	79	169	79	80	73	73	80	73	73	171		
115A+113A	50.0	60.1	80	80	81	169	80	80	81	169	83	169	83	80	84	84	80	84	84	171		
NONE	-	-	33	35	35	170	33	35	35	170	35	170	35	40	37	37	40	37	37	172		
116A	13.9	16.7	36	40	35	170	36	40	35	170	39	170	39	40	37	37	40	37	37	172		
113A	16.5	19.8	40	40	36	170	40	40	36	170	43	170	43	45	39	39	45	45	45	172		
115A	33.0	39.7	65	70	59	170	65	70	59	170	68	170	68	70	62	62	70	62	62	172		
114A+116A	41.7	50.2	78	80	71	170	78	80	71	170	81	170	81	90	74	74	90	74	74	172		
115A+113A	50.0	60.1	80	80	83	170	80	80	83	170	83	170	83	80	85	85	80	85	85	172		
NONE	-	-	23	25	25	111	23	25	25	111	25	111	25	30	27	27	30	27	27	113		
118A	17.0	20.4	35	35	32	111	35	35	32	111	37	111	37	40	34	34	40	34	34	113		
119A	34.0	40.9	61	80	56	111	61	70	56	111	63	111	63	70	58	58	70	58	58	113		
118A+119A	51.0	61.3	71	80	79	111	71	80	79	111	73	111	73	80	81	81	80	81	81	113		
NONE	-	-	24	30	25	122	24	30	25	122	26	122	26	30	27	27	30	27	27	124		
118A	17.0	20.4	36	40	33	122	36	40	33	122	38	122	38	40	35	35	40	35	35	124		
119A	34.0	40.9	62	70	57	122	62	70	57	122	64	122	64	70	58	58	70	58	58	124		
118A+119A	51.0	61.3	72	80	72	122	72	80	72	122	74	122	74	80	82	82	80	82	82	124		
NONE	-	-	27	30	29	136	27	30	29	136	29	136	29	30	31	31	30	31	31	138		
118A	17.0	20.4	40	40	36	136	40	40	36	136	42	136	42	45	38	38	45	45	45	138		
119A	34.0	40.9	65	70	60	136	65	70	60	136	68	136	68	70	62	62	70	62	62	138		
118A+119A	51.0	61.3	76	80	83	136	76	80	83	136	78	136	78	80	85	85	80	85	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	ELEC. HTR				NO C.O. or UNPWR C.O.								w/ PWRD C.O.														
		IFM TYPE	CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer										
						MCA	FUSE or HACR BRKR	FLA	LRA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	LRA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	LRA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	LRA	DISC. SIZE			
50HC-D14 (2-stage cool)	208 / 230 - 3 - 60	STD	NONE	-	-	73	80	80	77	356	73	73	80	80	77	77	356	78	78	83	361	78	81	87	83	361	83	361
			291A	12.4/16.5	34.4/39.7	73/80	80/80	77/77	356/356	73/80	73/80	77/77	356/356	80/80	80/80	77/77	356/356	79/86	79/86	83/83	361/361	79/86	81	87	83	361	83	361
			288A+291A	19.9/26.5	55.3/63.8	99/110	100/110	91/101	356/356	99/110	99/110	91/101	356/356	100/110	100/110	91/101	356/356	105/116	105/116	96/106	361/361	105/116	100/110	110/125	96/106	96/106	83/83	361/361
			294A	25.2/33.5	69.9/80.6	117/131	125/150	108/120	356/356	117/131	117/131	108/120	356/356	125/150	125/150	108/120	356/356	123/137	123/137	113/125	361/361	123/137	150/175	150/175	137/153	137/153	113/125	361/361
			288A+294A	32.7/43.5	90.7/104.7	143/161	150/175	132/148	356/356	143/161	143/161	132/148	356/356	150/175	150/175	132/148	356/356	149/167	149/167	137/153	361/361	149/167	175/175	175/175	153/171	153/171	137/153	361/361
	460 - 3 - 60	STD	NONE	-	-	86	100	100	92	392	86	86	100	100	92	92	392	91	91	98	397	91	91	98	98	397	98	397
			291A	12.4/16.5	34.4/39.7	89/96	100/100	92/92	392/392	89/96	89/96	92/92	392/392	100/100	100/100	92/92	392/392	95/102	95/102	98/98	397/397	95/102	100/110	100/110	98/98	397/397	98	397
			288A+291A	19.9/26.5	55.3/63.8	115/126	125/150	106/115	392/392	115/126	115/126	106/115	392/392	125/150	125/150	106/115	392/392	121/132	121/132	111/121	397/397	121/132	100/110	110/125	111/121	111/121	98/98	397/397
			294A	25.2/33.5	69.9/80.6	134/147	150/175	122/135	392/392	134/147	134/147	122/135	392/392	150/175	150/175	122/135	392/392	140/153	140/153	128/140	397/397	140/153	150/175	150/175	128/140	128/140	117/129	391/391
			288A+294A	32.7/43.5	90.7/104.7	160/177	175/200	146/162	392/392	160/177	160/177	146/162	392/392	175/200	175/200	146/162	392/392	166/183	166/183	152/168	397/397	166/183	200/175	200/175	153/171	153/171	152/168	397/397
575 - 3 - 60	STD	NONE	-	-	32	35	35	34	173	32	32	35	35	34	34	173	34	34	36	175	34	34	36	36	175	36	175	
		292A	16.5	19.9	38	40	35	173	38	38	40	40	40	40	36	188	36	36	44	193	36	36	44	44	193	44	193	
		289A+292A	26.5	31.9	53	60	49	173	53	53	60	60	60	60	51	188	58	58	59	193	58	60	60	60	53	60	53	60
		295A	33.5	40.3	64	70	58	173	64	64	70	70	70	70	61	188	69	69	68	193	69	70	70	70	63	70	63	70
		289A+295A	43.5	52.3	79	80	72	173	79	79	80	80	80	80	73	188	82	82	82	193	82	90	90	90	80	90	80	90

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	NOM V-PH-HZ	IFM TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.																
			CRHEATER**A00	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer						
						MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA				
208/230-1-60	DD-STD	NONE	-	-	35	50	35	94	35	94	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	
		NONE	-	-	33	45	32	99	33	99	32	99	33	99	37	50	38	104	37	50	38
		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			
50HC-A04 (1-stage cool)	DD-STD	NONE	-	-	27	30	28	88	27	88	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	
		NONE	-	-	25	30	26	100	25	100	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			
208/230-3-60	STD	NONE	-	-	25/25	30/30	26/25	117	25/25	117	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	28/25	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	
		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. V, P-HZ	ELEC. HTR				NO. C.O. or UNPWR C.O.																				
		IFM TYPE	CRHEATER**A00	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w Economizer			w/ ERV, w/o Economizer			w/ ERV, w Economizer											
						MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA						
50HC-A04 (1-stage cool)	460-3-60	DD-STD	NONE	-	-	16	20	16	47	47	16	20	16	47	47	18	20	18	49	49	18	20	18	49		
			106A	6.0	7.2	19	20	17	47	47	17	20	19	20	17	47	47	22	25	19	49	49	22	25	19	49
			107A	8.8	10.6	23	25	21	47	47	21	25	23	25	21	47	47	26	30	23	49	49	26	30	23	49
			108A	11.5	13.8	27	30	24	47	47	24	30	27	30	24	47	47	30	30	27	49	49	30	30	27	49
	109A	14.0	16.8	31	35	28	47	47	28	35	31	35	28	47	47	34	35	30	49	49	34	35	30	49		
	NONE	-	-	14	20	14	20	14	52	52	14	20	17	54	54	17	20	17	54	54	17	20	17	54		
	106A	6.0	7.2	17	20	15	20	15	52	52	15	20	15	52	52	20	20	18	54	54	20	20	18	54		
	107A	8.8	10.6	21	25	19	25	19	52	52	19	25	25	19	52	52	24	25	22	54	54	24	25	22	54	
108A	11.5	13.8	25	25	23	25	23	52	52	23	25	25	23	52	52	28	30	25	54	54	28	30	25	54		
109A	14.0	16.8	29	30	26	29	30	52	52	26	30	30	26	52	52	32	35	29	54	54	32	35	29	54		
575-3-60	460-3-60	MED	NONE	-	-	14	20	14	61	61	14	20	14	61	61	16	20	16	63	63	16	20	16	63		
			106A	6.0	7.2	17	20	15	61	61	15	20	17	20	15	61	61	20	20	18	63	63	20	20	18	63
			107A	8.8	10.6	21	25	19	61	61	19	25	21	25	19	61	61	24	25	22	63	63	24	25	22	63
			108A	11.5	13.8	25	25	23	61	61	23	25	25	25	23	61	61	28	30	25	63	63	28	30	25	63
	109A	14.0	16.8	29	30	26	61	61	26	30	29	30	26	61	61	32	35	29	63	63	32	35	29	63		
	NONE	-	-	16	20	16	79	79	16	20	16	20	16	79	79	18	20	19	81	81	18	20	19	81		
	106A	6.0	7.2	19	20	17	79	79	17	20	17	20	17	79	79	22	25	20	81	81	22	25	20	81		
	107A	8.8	10.6	23	25	21	79	79	21	25	23	25	21	79	79	26	30	24	81	81	26	30	24	81		
108A	11.5	13.8	27	30	25	79	79	25	30	27	30	25	79	79	30	30	27	81	81	30	30	27	81			
109A	14.0	16.8	31	35	28	79	79	28	35	31	35	28	79	79	34	35	31	81	81	34	35	31	81			
DD-STD		NONE	-	-	15	20	16	47	47	15	20	16	47	47	17	20	17	49	49	17	20	17	49			
		297A	9.2	9.2	24	25	21	47	47	21	25	24	25	21	47	47	26	30	23	49	49	26	30	23	49	
		298A	13.8	13.8	29	30	27	47	47	27	30	29	30	27	47	47	31	35	28	49	49	31	35	28	49	
		NONE	-	-	12	15	12	50	50	12	15	12	15	12	50	50	14	15	14	52	52	14	15	14	52	
STD		297A	9.2	9.2	20	20	18	50	50	18	20	20	18	50	50	22	25	20	52	52	22	25	20	52		
		298A	13.8	13.8	26	30	23	50	50	23	30	26	30	23	50	50	28	30	25	52	52	28	30	25	52	
		NONE	-	-	12	15	12	50	50	12	15	12	15	12	50	50	14	15	14	52	52	14	15	14	52	
		297A	9.2	9.2	20	20	18	50	50	18	20	20	20	18	50	50	22	25	20	52	52	22	25	20	52	
MED		298A	13.8	13.8	26	30	23	50	50	23	30	26	30	23	50	50	28	30	25	52	52	28	30	25	52	
		NONE	-	-	12	15	12	50	50	12	15	12	15	12	50	50	14	15	14	52	52	14	15	14	52	
		297A	9.2	9.2	20	20	18	50	50	18	20	20	20	18	50	50	22	25	20	52	52	22	25	20	52	
		298A	13.8	13.8	26	30	23	50	50	23	30	26	30	23	50	50	28	30	25	52	52	28	30	25	52	
HIGH		NONE	-	-	13	15	13	54	54	13	15	13	15	13	54	54	15	20	15	56	56	15	20	15	56	
		297A	9.2	9.2	21	25	19	54	54	19	25	21	25	19	54	54	23	25	21	56	56	23	25	21	56	
		298A	13.8	13.8	27	30	24	54	54	24	30	27	30	24	54	54	29	30	26	56	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-P-H-Z	ELEC. HTR				NO C.O. or UNPWR C.O.																								
		IFM TYPE	CRHEATER**A00	Nom (kW)	FLA	w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer												
						MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA					
50HC-A05 (1-stage cool)	460-3-60	DD-STD	NONE	-	-	17	20	17	51	51	17	20	17	51	19	25	19	25	19	53	53	19	25	19	53	20	53	20	53	
			108A	6.0	7.2	19	20	17	51	51	17	20	17	51	19	25	22	25	22	53	53	22	25	22	53	20	53	20	53	
			108A	11.5	13.8	27	30	25	51	30	25	30	30	30	27	53	30	30	27	53	53	30	30	30	30	27	53	30	53	
			108A+108A	14.0	16.8	31	35	28	51	31	31	35	35	34	31	53	34	35	34	31	53	53	34	35	34	31	53	31	53	
		STD	NONE	-	-	16	20	16	56	16	16	16	20	16	56	18	20	18	58	58	18	20	18	20	18	58	20	58	20	58
			108A	6.0	7.2	17	20	16	56	17	16	17	20	16	56	18	20	18	58	58	18	20	18	20	18	58	20	58	20	58
			108A	11.5	13.8	26	30	23	56	26	23	30	30	23	56	28	30	26	58	58	28	30	26	30	26	58	30	58	30	58
			108A+108A	14.0	16.8	29	30	27	56	29	27	30	27	30	27	56	32	35	29	58	58	32	35	32	35	29	58	35	58	
		MED	NONE	-	-	15	20	15	65	15	15	15	20	15	65	18	20	18	67	67	18	20	18	20	18	67	20	67	20	67
			108A	6.0	7.2	17	20	16	65	17	16	16	20	16	65	18	20	18	67	67	18	20	18	20	18	67	20	67	20	67
			108A	11.5	13.8	26	30	23	65	26	23	30	30	23	65	28	30	26	67	67	28	30	26	30	26	67	30	67	30	67
			108A+108A	14.0	16.8	29	30	27	65	29	27	30	27	30	27	65	32	35	29	67	67	32	35	32	35	29	67	35	67	
HIGH	NONE	-	-	17	20	17	83	17	17	17	20	17	83	19	25	19	85	85	19	25	19	25	19	85	20	85	20	85		
	108A	6.0	7.2	19	20	18	83	19	18	18	20	18	83	22	25	22	85	85	22	25	22	25	22	85	20	85	20	85		
	108A	11.5	13.8	28	30	25	83	28	25	30	30	25	83	30	35	28	85	85	30	35	28	30	28	85	30	85	30	85		
	108A+108A	14.0	16.8	31	35	29	83	31	29	35	35	31	83	34	35	31	85	85	34	35	31	35	31	85	34	85	34	85		
DD-STD	NONE	-	-	15	20	16	43	15	16	16	20	16	43	17	20	17	45	45	17	20	17	20	17	45	19	45	19	45		
	297A	9.2	9.2	22	25	20	43	22	20	20	25	20	43	24	25	22	45	45	24	25	22	25	22	45	20	45	20	45		
	298A	13.8	13.8	27	30	25	43	27	25	30	30	25	43	27	30	25	45	45	27	30	25	30	27	45	30	45	30	45		
	NONE	-	-	12	15	12	46	12	12	15	15	12	46	14	15	12	48	48	14	15	14	15	14	48	15	48	15	48		
STD	297A	9.2	9.2	18	20	16	46	18	16	16	20	16	46	18	20	16	48	48	18	20	16	20	18	48	20	48	20	48		
	298A	13.8	13.8	24	25	22	46	24	22	25	25	22	46	24	25	22	48	48	24	25	24	26	24	48	26	48	26	48		
	NONE	-	-	13	15	13	46	13	13	15	15	13	46	14	15	13	48	48	14	15	14	14	15	48	14	48	14	48		
	297A	9.2	9.2	19	20	17	46	19	17	17	20	17	46	19	20	17	48	48	19	20	17	20	19	48	21	48	21	48		
MED	298A	13.8	13.8	24	25	22	46	24	22	25	25	22	46	24	25	22	48	48	24	25	24	27	24	48	27	48	27	48		
	NONE	-	-	14	15	14	61	14	14	15	15	14	61	14	15	14	63	63	14	15	16	16	16	63	16	63	16	63		
	297A	9.2	9.2	20	20	18	61	20	18	18	20	18	61	20	20	18	63	63	20	20	18	22	20	63	22	63	20	63		
	298A	13.8	13.8	26	30	23	61	26	23	30	30	23	61	26	30	23	63	63	26	30	23	28	28	63	28	63	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 C.O. or UNPWR C.O.											w/ PWRD C.O.										
	ELEC. HTR				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer					
	IFM TYPE	CRHEATER***A00	Nom (kW)	FLA	MCA	HACR BRKR	DISC. SIZE FLA	DISC. SIZE LRA	MCA	HACR BRKR	DISC. SIZE FLA	DISC. SIZE LRA	MCA	HACR BRKR	DISC. SIZE FLA	DISC. SIZE LRA	MCA	HACR BRKR	DISC. SIZE FLA	DISC. SIZE LRA		
50HC-A06 (1-stage cool)	DD-STD	NONE	-	-	48	60	48	152	48	60	48	152	48	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	71/71	80/80	59/65	80/80	71/71	80/80		
		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	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	150/150	105/118	152/152	135/135	150/150	110/124	157/157	135/135	150/150	110/124	157/157	
		NONE	-	-	46	60	45	157	46	60	45	157	46	60	51	162	51	60	50	50	162	
	STD	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		
		NONE	-	-	48	60	47	182	48	60	47	182	48	60	53	187	53	60	50	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		
MED	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			
	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			
DD-STD	105A	12.0/16.0	33.4/38.5	68/68	70/70	58/62	128/128	68/68	70/70	58/62	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+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	107/107	133/133	106/106	110/110	107/107	133/133			
	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	60/60	40/44	140/140	49/49	60/60	40/44	140/140	55/55	60/60	46/50	145/145	55/55	60/60	46/50	145/145			
STD	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	84/84	145/145	103/103	110/110	84/84	145/145			
	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			
MED	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			
	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			
HIGH	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			
	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	ELEC. HTR				NO C.O. or UNPWR C.O.										w/ PWRD C.O.												
		CRHEATER***A00	Nom (kW)	FLA	FLA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA			
50HC-A07 (1-stage cool)	460-3-60	STD	NONE	-	-	41	60	41	169	41	60/60	41	169	41	60/60	41	60	46	169/169	46	60/60	46	169/169	46	174	174		
			264A	4.9/6.5	13.6/15.6	41/41	60/60	41/41	169/169	41/41	60/60	46/46	60/60	46/46	169/169	46/46	60/60	46/46	60/60	46/46	169/169	46/46	60/60	46/46	174/174	174/174	174/174	
			117A	7.8/10.4	21.7/25.0	48/48	60/60	41/44	169/169	48/48	60/60	54/54	60/60	54/54	169/169	48/48	60/60	54/54	60/60	54/54	169/169	48/48	60/60	54/54	174/174	174/174	174/174	
			110A	12.0/16.0	33.4/38.5	65/65	70/70	54/60	169/169	65/65	60/60	71/71	80/80	68/73	169/169	71/71	80/80	71/71	80/80	68/73	169/169	71/71	80/80	71/71	174/174	174/174	174/174	
			117A+117A	15.8/21.0	43.8/50.5	80/80	80/80	66/73	169/169	80/80	80/80	86/86	100/100	66/73	169/169	86/86	90/90	71/79	86/86	100/90	66/73	169/169	86/86	90/90	71/79	174/174	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	100/100	97/97	169/169	103/103	110/110	103/103	110/110	103/103	103/103	84/94	103/103	88/98	107/107	88/98	227/227	227/227
			NONE	-	-	44/44	60/60	45/45	222	44/44	60/60	45/45	222	44/44	222	49/49	60/60	45/45	222	49/49	222	49/49	50/50	60/60	45/45	227	227	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	44/44	222/222	49/49	60/60	45/45	222/222	49/49	222/222	49/49	50/50	60/60	45/45	227/227	227/227	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	52/52	222/222	58/58	60/60	45/53	222/222	58/58	222/222	58/58	60/60	45/53	227/227	227/227	227/227	
			110A	12.0/16.0	33.4/38.5	69/69	70/70	57/63	222/222	68/69	70/70	57/63	222/222	68/69	222/222	75/75	80/80	63/69	222/222	75/75	222/222	75/75	80/80	63/69	227/227	227/227	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	84/84	222/222	90/90	90/90	75/82	222/222	90/90	222/222	90/90	75/82	227/227	227/227	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	101/101	222/222	107/107	110/110	88/98	222/222	107/107	222/222	107/107	88/98	227/227	227/227	227/227					
460-3-60	HIGH	NONE	-	-	19	25	83	19	83	60/60	19	83	19	25	238	50/50	51/50	238	54/54	60/60	54/54	238	243	243	243			
		264A	6.0	7.2	19	25	83	19	83	60/60	19	25	238	50/50	51/50	238	54/54	60/60	54/54	238	54/54	243	243	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	58/58	238/238	64/64	70/70	56/58	238/238	64/64	70/70	56/58	243/243	243/243	243/243	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	75/75	238/238	81/81	90/90	69/74	238/238	81/81	90/90	69/74	243/243	243/243	243/243	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	90/90	238/238	96/96	100/100	96/96	238/238	96/96	100/100	96/96	100/100	243/243	243/243	243/243	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	106/106	238/238	112/112	125/125	112/112	238/238	112/112	125/125	112/112	125/125	243/243	243/243	243/243	243/243		
		NONE	-	-	19	25	83	19	83	25	25	25	25	83	25	25	25	83	25	25	25	25	25	85	85	85		
		266A	6.0	7.2	19	25	83	19	83	25	25	25	25	83	25	25	25	83	25	25	25	25	25	85	85	85		
		267A	14.0	16.8	29	30	27	83	29	30	27	83	29	30	27	83	32	35	32	35	32	35	32	85	85	85		
		268A	23.0	27.7	43	45	39	83	43	45	39	83	43	45	39	83	46	50	46	50	46	50	46	85	85	85		
		269A	25.5	30.7	47	50	43	83	47	50	43	83	47	50	43	83	50	50	50	50	50	50	42	45	45	85		
575-3-60	STD	NONE	-	-	20	25	110	20	110	25	25	110	20	25	238	50/50	51/50	238	54/54	60/60	54/54	238	243	243	243			
		265A	6.0	7.2	20	25	110	20	110	25	25	110	20	25	238	50/50	51/50	238	54/54	60/60	54/54	238	243	243	243			
		266A	11.5	13.8	28	30	25	110	28	30	25	110	28	30	25	110	30	28	30	25	110	30	28	112	112	112		
		267A	14.0	16.8	31	35	29	110	31	35	29	110	31	35	29	110	34	35	31	35	31	35	31	112	112	112		
		268A	23.0	27.7	45	45	41	110	45	45	41	110	45	45	41	110	48	50	44	48	50	44	48	112	112	112		
		269A	25.5	30.7	49	50	45	110	49	50	45	110	49	50	45	110	52	54	47	52	54	47	52	112	112	112		
		NONE	-	-	23	30	23	118	23	118	30	30	23	118	23	30	26	26	26	26	26	26	26	120	120	120		
		265A	6.0	7.2	23	30	23	118	23	118	30	30	23	118	23	30	26	26	26	26	26	26	26	120	120	120		
		266A	11.5	13.8	30	35	28	118	30	35	28	118	30	35	28	118	33	35	30	33	35	30	33	120	120	120		
		267A	14.0	16.8	34	35	31	118	34	35	31	118	34	35	31	118	37	40	34	37	40	34	37	120	120	120		
		268A	23.0	27.7	48	48	44	118	48	48	44	118	48	48	44	118	51	60	46	51	60	46	51	120	120	120		
269A	25.5	30.7	52	60	47	118	52	60	47	118	52	60	47	118	54	60	46	54	60	46	54	120	120	120				
575-3-60	MED	NONE	-	-	15	20	15	70	15	20	15	70	15	20	17	20	15	70	15	20	15	70	17	72	72			
		118A	17.0	20.4	33	35	30	70	33	35	30	70	33	35	30	70	35	35	32	35	32	35	72	72	72			
		299A	25.7	25.8	39	40	36	70	39	40	36	70	39	40	36	70	42	45	38	42	45	38	72	72	72			
575-3-60	HIGH	NONE	-	-	17	20	17	85	17	20	17	85	17	20	18	20	18	85	17	20	18	85	87	87	87			
		118A	17.0	20.4	34	35	31	85	34	35	31	85	34	35	31	85	36	40	33	36	40	33	87	87	87			
		299A	25.7	25.8	41	45	37	85	41	45	37	85	41	45	37	85	43	45	39	43	45	39	87	87	87			
575-3-60	HIGH	NONE	-	-	19	25	19	99	19	25	19	99	19	25	20	25	19	99	19	25	20	25	101	101	101			
		118A	17.0	20.4	38	40	34	99	38	40	34	99	38	40	34	99	40	40	36	40	36	40	101	101	101			
		299A	25.7	25.8	44	45	41	99	44	45	41	99	44	45	41	99	47	50	42	47	50	42	101	101	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	ELEC. HTR			NO C.O. or UNPWR C.O.																						
		IFM TYPE	CRHEATER**A00	Nom (kW)	FLA	w/ ERV, w/o Economizer						w/ ERV, w/ Economizer															
						MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA							
50HC-D09 (2-stage cool)		STD	NONE	-	-	51	60	55	203	203	51	60	55	203	56	60	60	208	56	60	60	208	60	60	208	208	
			117A	7.8/10.4	21.7/25.0	53/53	60/60	55/55	203/203	203/203	53/53	60/60	55/55	203/203	59/59	60/60	60/60	208/208	59/59	60/60	60/60	60/60	208/208	60/60	60/60	208/208	208/208
			110A	12.0/16.0	33.4/38.5	70/70	70/70	58/64	203/203	203/203	70/70	70/70	58/64	203/203	76/76	80/80	80/80	208/208	76/76	80/80	80/80	80/80	208/208	64/70	64/70	208/208	208/208
			111A	18.6/24.8	51.7/59.7	97/97	100/100	79/88	203/203	203/203	97/97	100/100	79/88	203/203	103/103	110/110	110/110	208/208	103/103	110/110	110/110	110/110	208/208	85/94	85/94	208/208	208/208
			112A	24.0/32.0	66.7/77.0	118/118	125/125	96/108	203/203	203/203	118/118	125/125	96/108	203/203	124/124	151/151	151/151	208/208	124/124	151/151	151/151	151/151	208/208	102/114	102/114	208/208	208/208
		MED	112A+117A	31.8/42.4	88.4/102.0	149/149	150/150	121/137	203/203	203/203	149/149	150/150	121/137	203/203	155/155	155/155	208/208	155/155	155/155	155/155	155/155	155/155	208/208	127/143	127/143	208/208	208/208
			NONE	-	-	53/53	60/60	57/56	241	241	53/53	60/60	57/56	241	57/56	60/60	60/60	246	57/56	60/60	60/60	60/60	246	57/56	60/60	246	246
			117A	7.8/10.4	21.7/25.0	55/55	60/60	57/56	241/241	241/241	55/55	60/60	57/56	241/241	72/72	80/80	80/80	246/246	72/72	80/80	80/80	80/80	246/246	66/71	66/71	246/246	246/246
			110A	12.0/16.0	33.4/38.5	72/72	80/80	60/66	241/241	241/241	72/72	80/80	60/66	241/241	78/78	80/80	80/80	246/246	78/78	80/80	80/80	80/80	246/246	67/71	67/71	246/246	246/246
			111A	18.6/24.8	51.7/59.7	98/98	100/100	81/90	241/241	241/241	98/98	100/100	81/90	241/241	104/104	110/110	110/110	246/246	104/104	110/110	110/110	110/110	246/246	87/96	87/96	246/246	246/246
		HIGH	112A	24.0/32.0	66.7/77.0	120/120	125/125	98/110	241/241	241/241	120/120	125/125	98/110	241/241	126/126	150/150	150/150	246/246	126/126	150/150	150/150	150/150	246/246	104/116	104/116	246/246	246/246
			112A+117A	31.8/42.4	88.4/102.0	151/151	175/175	123/139	241/241	241/241	151/151	175/175	123/139	241/241	157/157	175/175	175/175	246/246	157/157	175/175	175/175	175/175	246/246	129/144	129/144	246/246	246/246
			NONE	-	-	57	60	61	270	270	57	60	61	270	62	70	70	275	62	70	70	70	275	66	66	275	275
			117A	7.8/10.4	21.7/25.0	60/60	60/60	61/61	270/270	270/270	60/60	60/60	61/61	270/270	66/66	66/66	66/66	270/270	66/66	66/66	66/66	66/66	270/270	66/66	66/66	270/270	275/275
			110A	12.0/16.0	33.4/38.5	77/77	80/80	64/70	270/270	270/270	77/77	80/80	64/70	270/270	83/83	90/90	90/90	275/275	83/83	90/90	90/90	90/90	275/275	70/76	70/76	275/275	275/275
460-3-60		STD	NONE	-	-	24	30	25	101	101	24	30	25	101	26	30	28	103	26	30	28	103	26	30	103	103	
			116A	13.9	16.7	31	35	28	101	101	31	35	28	101	34	35	35	103	34	35	35	103	34	35	103	103	
			119A	16.5	19.8	35	35	32	101	101	35	35	32	101	38	40	40	103	38	40	40	103	38	40	103	103	
			114A	27.8	33.4	52	60	48	101	101	52	60	48	101	55	60	60	103	55	60	60	103	55	60	103	103	
			115A	33.0	39.7	60	60	55	101	101	60	60	55	101	63	70	70	103	63	70	70	103	63	70	103	103	
		MED	114A+116A	41.7	50.2	73	80	67	101	101	73	80	67	101	76	80	80	103	76	80	80	103	76	80	103	103	
			NONE	-	-	25	30	26	120	120	25	30	26	120	27	30	30	122	27	30	30	122	27	30	122	122	
			116A	13.9	16.7	32	35	29	120	120	32	35	29	120	35	35	35	122	35	35	35	122	35	35	122	122	
			113A	16.5	19.8	36	40	33	120	120	36	40	33	120	39	40	40	122	39	40	40	122	39	40	122	122	
			114A	27.8	33.4	53	60	49	120	120	53	60	49	120	56	60	60	122	56	60	60	122	56	60	122	122	
		HIGH	115A	33.0	39.7	61	70	56	120	120	61	70	56	120	64	70	70	122	64	70	70	122	64	70	122	122	
			114A+116A	41.7	50.2	77	80	68	120	120	74	80	68	120	77	80	80	122	77	80	80	122	77	80	122	122	
			NONE	-	-	27	30	28	135	135	27	30	28	135	29	35	35	137	29	35	35	137	29	35	137	137	
			116A	13.9	16.7	32	35	32	135	135	32	35	32	135	38	40	40	137	38	40	40	137	38	40	137	137	
			113A	16.5	19.8	39	40	35	135	135	39	40	35	135	41	45	45	137	41	45	45	137	41	45	137	137	
575-3-60		STD	NONE	-	-	20	25	21	83	83	20	25	21	83	21	25	22	85	21	25	22	85	21	25	85		
			118A	17.0	20.4	35	35	32	83	83	35	35	32	83	37	40	40	85	37	40	40	85	37	40	85	85	
			119A	34.0	40.9	60	60	55	83	83	60	60	55	83	63	70	70	85	63	70	70	85	63	70	85	85	
			NONE	-	-	20	25	21	87	87	20	25	21	87	22	25	25	89	22	25	25	89	22	25	89	89	
			118A	17.0	20.4	35	35	32	87	87	35	35	32	87	37	40	40	89	37	40	40	89	37	40	89	89	
		MED	119A	34.0	40.9	61	70	56	87	87	61	70	56	87	63	70	70	89	63	70	70	89	63	70	89	89	
			NONE	-	-	21	25	22	98	98	21	25	22	98	22	25	25	100	22	25	25	100	22	25	100	100	
			118A	17.0	20.4	36	40	33	98	98	36	40	33	98	38	40	40	100	38	40	40	100	38	40	100	100	
			119A	34.0	40.9	62	70	57	98	98	62	70	57	98	64	70	70	100	64	70	70	100	64	70	100	100	
			NONE	-	-	21	25	22	98	98	21	25	22	98	22	25	25	100	22	25	25	100	22	25	100	100	
		HIGH	118A	17.0	20.4	36	40	33	98	98	36	40	33	98	38	40	40	100	38	40	40	100	38	40	100	100	
			119A	34.0	40.9	62	70	57	98	98	62	70	57	98	64	70	70	100	64	70	70	100	64	70	100	100	
			NONE	-	-	21	25	22	98	98	21	25	22	98	22	25	25	100	22	25	25	100	22	25	100	100	
			118A	17.0	20.4	36	40	33	98	98	36	40	33	98	38	40	40	100	38	40	40	100	38	40	100	100	
			119A	34.0	40.9	62	70	57	98	98	62	70	57	98	64	70	70	100	64	70	70	100	64	70	100	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	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.											
		CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer						w/ ERV, w/ Economizer					
					MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
							FLA	LRA			FLA	LRA			FLA	LRA
208/230-3-60	STD	NONE	-	-	60	70	63	294	60	70	63	294	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
		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
		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
		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
		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
	MED	NONE	-	-	65	80	70	350	65	80	70	350	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
		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
		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
		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
		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
HIGH	NONE	-	-	68/68	80/80	73/72	352	68/68	80/80	73/72	352	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	
	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	
	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	
	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	
	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	
460-3-60	STD	NONE	-	-	29	31	31	141	29	35	31	141	31	35	33	
		116A	13.9	16.7	31	35	31	141	31	35	31	141	34	35	33	
		119A	16.5	19.8	35	35	32	141	35	35	32	141	38	40	35	
		115A	33.0	39.7	60	60	55	141	60	60	55	141	63	70	57	
		114A+116A	41.7	50.2	77	80	67	141	77	80	67	141	76	80	70	
		115A+113A	50.0	60.1	80	80	78	141	80	80	78	141	73	80	81	
	MED	NONE	-	-	32	35	34	169	32	35	34	169	34	40	36	
		116A	13.9	16.7	35	35	34	169	35	35	34	169	34	40	36	
		119A	16.5	19.8	39	40	35	169	39	40	35	169	41	45	38	
		115A	33.0	39.7	64	70	58	169	64	70	58	169	66	70	61	
		114A+116A	41.7	50.2	77	80	70	169	77	80	70	169	79	80	73	
		115A+113A	50.0	60.1	80	80	81	169	80	80	81	169	77	80	84	
HIGH	NONE	-	-	33	35	35	170	33	35	35	170	35	40	37		
	116A	13.9	16.7	36	40	35	170	36	40	35	170	39	40	37		
	119A	16.5	19.8	40	40	36	170	40	40	36	170	43	45	39		
	115A	33.0	39.7	65	70	59	170	65	70	59	170	68	70	62		
	114A+116A	41.7	50.2	78	80	71	170	78	80	71	170	81	90	74		
	115A+113A	50.0	60.1	80	80	83	170	80	80	83	170	78	80	85		
STD	NONE	-	-	23	25	25	111	23	25	25	111	25	30	27		
	118A	17.0	20.4	35	35	32	111	35	35	32	111	37	40	34		
	119A	34.0	40.9	61	70	56	111	61	70	56	111	63	70	58		
	118A+119A	51.0	61.3	71	80	79	111	71	80	79	111	73	80	81		
	NONE	-	-	24	30	25	122	24	30	25	122	26	30	27		
	118A	17.0	20.4	36	40	33	122	36	40	33	122	38	40	35		
MED	NONE	-	-	62	70	57	122	62	70	57	122	64	70	58		
	119A	34.0	40.9	61.3	70	57	122	62	70	57	122	64	70	58		
	118A+119A	51.0	61.3	71	80	79	111	71	80	79	111	73	80	81		
	NONE	-	-	27	30	29	136	27	30	29	136	29	30	31		
	118A	17.0	20.4	40	40	36	136	40	40	36	136	42	45	38		
	119A	34.0	40.9	65	70	60	136	65	70	60	136	68	70	62		
HIGH	NONE	-	-	76	80	83	136	76	80	83	136	78	80	85		
	118A+119A	51.0	61.3	76	80	83	136	76	80	83	136	78	80	85		

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	NO C.O. or UNPWR C.O.										w/ PWRD C.O.																			
		ELEC. HTR					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	FLA	LRA	MCA	HACR BRKR	FLA	LRA	MCA	HACR BRKR	FLA	LRA	MCA	HACR BRKR	FLA	LRA	MCA	HACR BRKR	FLA	LRA	DISC. SIZE	FLA	LRA	DISC. SIZE			
50HC-D14 (2-stage cool)	460-3-60	STD	NONE	16.5	—	32	173	32	35	34	35	34	35	34	35	34	35	34	35	34	35	34	35	34	35	34	35	34	35		
			291A	19.9	19.9	38	40	173	38	40	173	38	40	173	38	40	173	38	40	173	38	40	173	38	40	173	38	40	173	38	40
			289A+292A	26.5	31.9	53	53	60	173	53	60	49	173	53	60	49	173	53	60	49	173	53	60	49	173	53	60	49	173	53	60
			295A	33.5	40.3	64	70	58	173	64	70	58	173	64	70	58	173	64	70	58	173	64	70	58	173	64	70	58	173	64	70
			289A+295A	43.5	52.3	79	80	72	173	79	80	72	173	79	80	72	173	79	80	72	173	79	80	72	173	79	80	72	173	79	80
			292A+295A	50.0	60.2	74	80	81	173	74	80	81	173	74	80	81	173	74	80	81	173	74	80	81	173	74	80	81	173	74	80
			NONE	16.5	—	34	40	36	188	34	40	36	188	34	40	36	188	34	40	36	188	34	40	36	188	34	40	36	188	34	40
			292A	19.9	19.9	39	47	37	188	39	45	37	188	39	45	37	188	39	45	37	188	39	45	37	188	39	45	37	188	39	45
			289A+292A	26.5	31.9	56	62	70	188	56	62	56	188	56	62	56	188	56	62	56	188	56	62	56	188	56	62	56	188	56	62
			295A	33.5	40.3	66	72	80	188	66	72	66	188	66	72	66	188	66	72	66	188	66	72	66	188	66	72	66	188	66	72
575-3-60	STD	NONE	16.5	—	27	145	27	30	29	145	27	30	29	145	27	30	29	145	27	30	29	145	27	30	29	145	27	30	29		
		293A	19.9	19.9	39	47	37	145	39	45	37	145	39	45	37	145	39	45	37	145	39	45	37	145	39	45	37	145	39	45	
		289A+292A	26.5	31.9	52	58	66	145	52	58	66	145	52	58	66	145	52	58	66	145	52	58	66	145	52	58	66	145	52	58	
		295A	33.5	40.3	60	70	80	145	60	70	80	145	60	70	80	145	60	70	80	145	60	70	80	145	60	70	80	145	60	70	
		289A+295A	43.5	52.3	87	90	80	145	87	90	80	145	87	90	80	145	87	90	80	145	87	90	80	145	87	90	80	145	87	90	
		292A+295A	50.0	60.2	82	82	89	145	82	82	89	145	82	82	89	145	82	82	89	145	82	82	89	145	82	82	89	145	82	82	
		NONE	16.5	—	33	33	30	145	33	30	29	145	33	30	29	145	33	30	29	145	33	30	29	145	33	30	29	145	33	30	
		293A	19.9	19.9	39	47	37	145	39	45	37	145	39	45	37	145	39	45	37	145	39	45	37	145	39	45	37	145	39	45	
		289A+293A	26.5	31.9	55	62	70	145	55	62	70	145	55	62	70	145	55	62	70	145	55	62	70	145	55	62	70	145	55	62	
		296A	33.5	40.3	65	73	80	145	65	73	80	145	65	73	80	145	65	73	80	145	65	73	80	145	65	73	80	145	65	73	
575-3-60	MED	NONE	16.5	—	27	145	27	30	29	145	27	30	29	145	27	30	29	145	27	30	29	145	27	30	29	145	27	30	29		
		293A	19.9	19.9	39	47	37	145	39	45	37	145	39	45	37	145	39	45	37	145	39	45	37	145	39	45	37	145	39	45	
		289A+293A	26.5	31.9	52	58	66	145	52	58	66	145	52	58	66	145	52	58	66	145	52	58	66	145	52	58	66	145	52	58	
		296A	33.5	40.3	60	70	80	145	60	70	80	145	60	70	80	145	60	70	80	145	60	70	80	145	60	70	80	145	60	70	
		290A+296A	43.5	52.3	87	90	80	145	87	90	80	145	87	90	80	145	87	90	80	145	87	90	80	145	87	90	80	145	87	90	
		293A+296A	50.0	60.2	82	82	89	145	82	82	89	145	82	82	89	145	82	82	89	145	82	82	89	145	82	82	89	145	82	82	
		NONE	16.5	—	33	33	30	145	33	30	29	145	33	30	29	145	33	30	29	145	33	30	29	145	33	30	29	145	33	30	
		293A	19.9	19.9	39	47	37	145	39	45	37	145	39	45	37	145	39	45	37	145	39	45	37	145	39	45	37	145	39	45	
		289A+293A	26.5	31.9	55	62	70	145	55	62	70	145	55	62	70	145	55	62	70	145	55	62	70	145	55	62	70	145	55	62	
		296A	33.5	40.3	65	73	80	145	65	73	80	145	65	73	80	145	65	73	80	145	65	73	80	145	65	73	80	145	65	73	
575-3-60	HIGH	NONE	16.5	—	34	157	34	40	36	157	34	40	36	157	34	40	36	157	34	40	36	157	34	40	36	157	34	40	36		
		293A	19.9	19.9	39	47	37	157	39	45	37	157	39	45	37	157	39	45	37	157	39	45	37	157	39	45	37	157	39	45	
		289A+293A	26.5	31.9	52	58	66	157	52	58	66	157	52	58	66	157	52	58	66	157	52	58	66	157	52	58	66	157	52	58	
		296A	33.5	40.3	61	70	80	157	61	70	80	157	61	70	80	157	61	70	80	157	61	70	80	157	61	70	80	157	61	70	
		290A+296A	43.5	52.3	87	90	80	157	87	90	80	157	87	90	80	157	87	90	80	157	87	90	80	157	87	90	80	157	87	90	
		293A+296A	50.0	60.2	82	82	89	157	82	82	89	157	82	82	89	157	82	82	89	157	82	82	89	157	82	82	89	157	82	82	
		NONE	16.5	—	34	40	36	157	34	40	36	157	34	40	36	157	34	40	36	157	34	40	36	157	34	40	36	157	34	40	
		293A	19.9	19.9	39	47	37	157	39	45	37	157	39	45	37	157	39	45	37	157	39	45	37	157	39	45	37	157	39	45	
		289A+293A	26.5	31.9	52	58	66	157	52	58	66	157	52	58	66	157	52	58	66	157	52	58	66	157	52	58	66	157	52	58	
		296A	33.5	40.3	61	70	80	157	61	70	80	157	61	70	80	157	61	70	80	157	61	70	80	157	61	70	80	157	61	70	

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. P. HZ	ELEC. HTR				NO C.O. or UNPWR C.O.						w/ PWRD C.O.												
		CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer		w/ ERV, w/o Economizer		w/ ERV, w/o Economizer		w/ ERV, w/o Economizer		w/ ERV, w/o Economizer		w/ ERV, w/o Economizer		w/ ERV, w/o Economizer							
					MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE				
50HC-D09 (2-stage cool)	208 / 230 - 3 - 60	NONE	-	-	55/55	207	52/52	60/60	55/55	207	57/57	211	58/58	70/70	62/62	216	61/61	212	61/61	212	61/61	212	61/61	212
		117A	7.8/10.4	21.7/25.0	55/55	207/207	52/54	60/60	55/55	207/207	57/57	211/211	58/61	70/70	62/62	216/216	61/61	212/212	61/61	212/212	61/61	212/212	61/61	212/212
		110A	12.0/16.0	33.4/38.5	59/64	207/207	52/54	60/60	59/64	207/207	57/57	211/211	60/66	70/80	60/66	216/216	66/71	216/216	66/71	216/216	66/71	216/216	66/71	216/216
		111A	18.6/24.8	51.7/59.7	89/99	207/207	87/97	90/100	80/89	207/207	97/109	211/211	89/99	90/100	81/90	211/211	95/105	216/216	87/96	216/216	87/96	216/216	87/96	216/216
		112A	24.0/32.0	66.7/77.0	106/119	207/207	87/97	90/100	80/89	207/207	97/109	211/211	108/120	110/125	99/110	211/211	114/126	216/216	104/116	216/216	104/116	216/216	104/116	216/216
		112A+117A	31.8/42.4	88.4/102.0	133/150	207/207	133/150	150/150	122/138	207/207	133/150	211/211	135/151	150/175	124/139	211/211	141/157	216/216	129/144	216/216	129/144	216/216	129/144	216/216
	460 - 3 - 60	NONE	-	-	24	26	24	30	26	103	26	103	26	103	26	103	26	103	26	103	26	103	26	103
		116A	13.9	16.7	32	29	32	35	29	103	29	103	35	40	103	32	35	40	103	32	35	40	103	
		113A	16.5	19.8	36	32	36	40	32	103	32	103	36	40	103	36	40	103	36	40	103	36	40	
		114A	27.8	33.4	53	48	53	60	48	103	48	103	53	60	103	48	103	53	60	103	53	60	103	
		115A	33.0	39.7	61	55	61	70	55	103	55	103	61	70	103	55	103	61	70	103	55	103	61	70
		114A+116A	41.7	50.2	74	67	74	80	67	103	67	103	74	80	103	67	103	74	80	103	67	103	74	80
575 - 3 - 60	NONE	-	-	25	26	25	30	26	106	26	106	26	106	26	106	26	106	26	106	26	106	26	106	
	116A	13.9	16.7	32	29	32	35	29	106	29	106	35	40	106	32	35	40	106	32	35	40	106		
	113A	16.5	19.8	36	32	36	40	32	106	32	106	36	40	106	32	36	40	106	32	36	40	106		
	114A	27.8	33.4	53	49	53	60	49	106	49	106	53	60	106	49	106	53	60	106	49	106	53	60	
	115A	33.0	39.7	61	56	61	70	56	106	56	106	61	70	106	56	106	61	70	106	56	106	61	70	
	114A+116A	41.7	50.2	76	68	76	80	68	106	68	106	76	80	106	68	106	76	80	106	68	106	76	80	

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

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

UNIT	IFM TYPE	ELEC. HTR				NO C.O. or UNPWR C.O.						w/ PWRD C.O.								
		CRHEATER**A00	Nom (kW)	FLA	w/ ERY, w/o Economizer			w/ ERY, w Economizer			w/ ERY, w/o Economizer			w/ ERY, w Economizer						
					MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA				
NO M. V - Ph - HZ	STD	NONE	-	-	66/65	70/70	66/65	291	61/61	70/70	66/65	291	66/66	80/80	71/71	296	66/68	80/80	71/71	296
		117A	7.8/10.4	21.7/25.0	66/65	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	66/66	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	89/110	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	124/139	175/175	151/151	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	142/160	175/175	155/155	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
		NONE	-	-	65/65	80/80	65/65	341	65/65	80/80	65/65	341	66/66	80/80	75/74	346	66/66	80/80	75/74	346
		117A	7.8/10.4	21.7/25.0	65/65	80/80	65/65	341/341	65/65	80/80	65/65	341/341	66/66	80/80	75/74	346/346	66/66	80/80	75/74	346/346
		110A	12.0/16.0	33.4/38.5	76/76	80/80	76/76	341/341	76/76	80/80	76/76	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	103/114	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
208/230-3-60	MED	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	146/163	159/159	146/163	341/341	159/159	146/163	341/341	165/165	175/175	152/169	346/346	165/165	175/175	152/169	346/346	
		NONE	-	-	73/72	80/80	68/68	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	68/68	352/352	68/68	80/80	68/68	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	79/79	352/352	79/79	80/80	79/79	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	108/117	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	131/146	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	149/167	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
		NONE	-	-	31	35	30	140	30	35	31	140	32	35	34	142	32	35	34	142
		116A	13.9	16.7	31	35	32	140	32	35	31	140	33	35	34	142	33	35	34	142
460-3-60	STD	113A	16.5	19.8	33	40	33	140	36	40	33	140	39	40	142	39	40	142		
		115A	33.0	39.7	61	70	56	140	61	70	56	140	64	70	142	64	70	142		
		114A+116A	41.7	50.2	74	80	68	140	74	80	68	140	77	80	142	77	80	142		
		115A+113A	50.0	60.1	79	80	79	140	72	80	79	140	74	80	142	74	80	142		
		NONE	-	-	33	35	33	165	31	35	33	165	33	40	36	167	33	40	36	167
		116A	13.9	16.7	33	35	33	165	34	35	33	165	37	40	36	167	37	40	36	167
		119A	16.5	19.8	35	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	81	80	81	165	73	80	81	165	76	80	84	167	76	80	84	167
575-3-60	HIGH	NONE	-	-	35	35	170	33	35	35	170	35	40	37	172	35	40	37	172	
		116A	13.9	16.7	35	40	35	170	36	40	35	170	39	40	172	39	40	172		
		119A	16.5	19.8	36	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	83	80	83	170	75	80	83	170	78	80	85	172	78	80	85	172
		NONE	-	-	26	30	26	113	25	30	26	113	26	30	28	115	26	30	28	115
		118A	17.0	20.4	34	40	34	113	37	40	34	113	39	40	36	115	39	40	36	115
		119A	34.0	40.9	57	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
575-3-60	MED	NONE	-	-	27	30	122	26	30	27	122	27	30	29	124	27	30	29	124	
		118A	17.0	20.4	35	40	35	122	38	40	35	122	41	45	37	124	41	45	37	124
		119A	34.0	40.9	58	70	58	122	64	70	58	122	66	70	60	124	66	70	60	124
		118A+119A	51.0	61.3	82	80	82	122	74	80	82	122	76	80	84	124	76	80	84	124
		NONE	-	-	28	30	29	136	28	30	29	136	29	35	31	138	29	35	31	138
		118A	17.0	20.4	37	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	84	80	84	136	76	80	84	136	78	80	86	138	78	80	86	138
		NONE	-	-	31	35	31	138	29	35	31	138	29	35	31	138	29	35	31	138
		118A	17.0	20.4	41	45	41	138	43	45	41	138	43	45	39	138	43	45	39	138
119A	34.0	40.9	66	70	66	138	68	70	66	138	68	70	62	138	68	70	62	138		
118A+119A	51.0	61.3	84	80	84	138	78	80	84	138	80	86	138	80	86	138				

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:

- 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

$$\begin{aligned} \text{Average Voltage} &= \frac{(224 + 231 + 226)}{3} = \frac{681}{3} \\ &= 227 \end{aligned}$$

Determine maximum deviation from average voltage.

$$(AB) 227 - 224 = 3 \text{ v}$$

$$(BC) 231 - 227 = 4 \text{ v}$$

$$(AC) 227 - 226 = 1 \text{ v}$$

Maximum deviation is 4 v.

Determine percent of voltage imbalance.

$$\begin{aligned} \% \text{ Voltage Imbalance} &= 100 \times \frac{4}{227} \\ &= 1.76\% \end{aligned}$$

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.

