

EnergyX[®] System
Factory Installed Energy Recovery
48/50HC 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 JULY 30, 2012 ONLY!

NOTE: Read the entire instruction manual before starting the installation

This supplement only applies to 48/50HC size 04 to 14 units with the factory installed EnergyX system manufactured on or after July 30, 2012. To confirm the date of manufacture of a 4850HC EnergyX system, locate the unit nameplate and check the first four digits of the Serial Number. If the number listed in the first 4 digits of the Serial Number is 3112 or higher **KEEP THIS DOCUMENT** and use it along with the furnished Installation Instructions. See Fig. 1 for location of the nameplate; the Serial Number is located directly below the unit's Model Number.

SERIAL NUMBER NOMENCLATURE

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

Week of manufacture (fiscal calendar)			Sequence number
Year of manufacture ("12" = 2012)	Manufacturing location		

C12562

To select which tables apply to a given unit, check the 7th and 8th digits of the Model Number to determine the unit's size (Cooling Tons) and the 17th digit to determine the unit's electrical option(s).

MODEL NUMBER NOMENCLATURE

Position:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Example:	4	8	H	C	D	D	0	9	A	3	A	5	A	D	Q	3	G	0


Model/Unit Heat Type 48HC - Gas Heat 50HC - Electric Heat Cooling Tons 04 - 3 ton 05 - 4 ton 06 - 5 ton 07 - 6 ton 08 - 7.5 ton 09 - 8.5 ton 11 - 10 ton (12 EER) 12 - 10 ton 14 - 12.5 ton	Electrical Options A = None B = HACR Breaker C = Non-Fused Disconnect D = Thru-The-Base Connections E = HACR & Thru-The-Base Connections F = Non-Fused Disconnect and Thru-The-Base Connections G = 2-Speed Indoor Fan (VFD) Controller H = 2-Speed Fan Controller (VFD) and HACR Breaker J = 2-Speed Fan Controller (VFD) and Non-Fused Disconnect K = 2-Speed Fan Controller (VFD) and Thru-The-Base Connections L = 2-Speed Fan Controller (VFD) with HACR & Thru-The-Base Connections M = 2-Speed Fan Controller (VFD) with Non-Fused Disconnect and Thru-The-Base Connections
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SAFETY CONSIDERATIONS

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

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

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

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

injury or product and property damage. NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

CAUTION

ELECTRICAL HAZARD

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

The electrical data contained in this document is only for use with 48HC size 04 to 14 units with the factory installed EnergyX system manufactured on or after July 30, 2012. Check the first 4 digits of the unit's Serial Number (located on the unit's nameplate) if the number listed is 3112 or higher keep this document.

See Fig. 1 for location of the unit's nameplate. The Serial Number is located directly below the unit's Model Number.

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.

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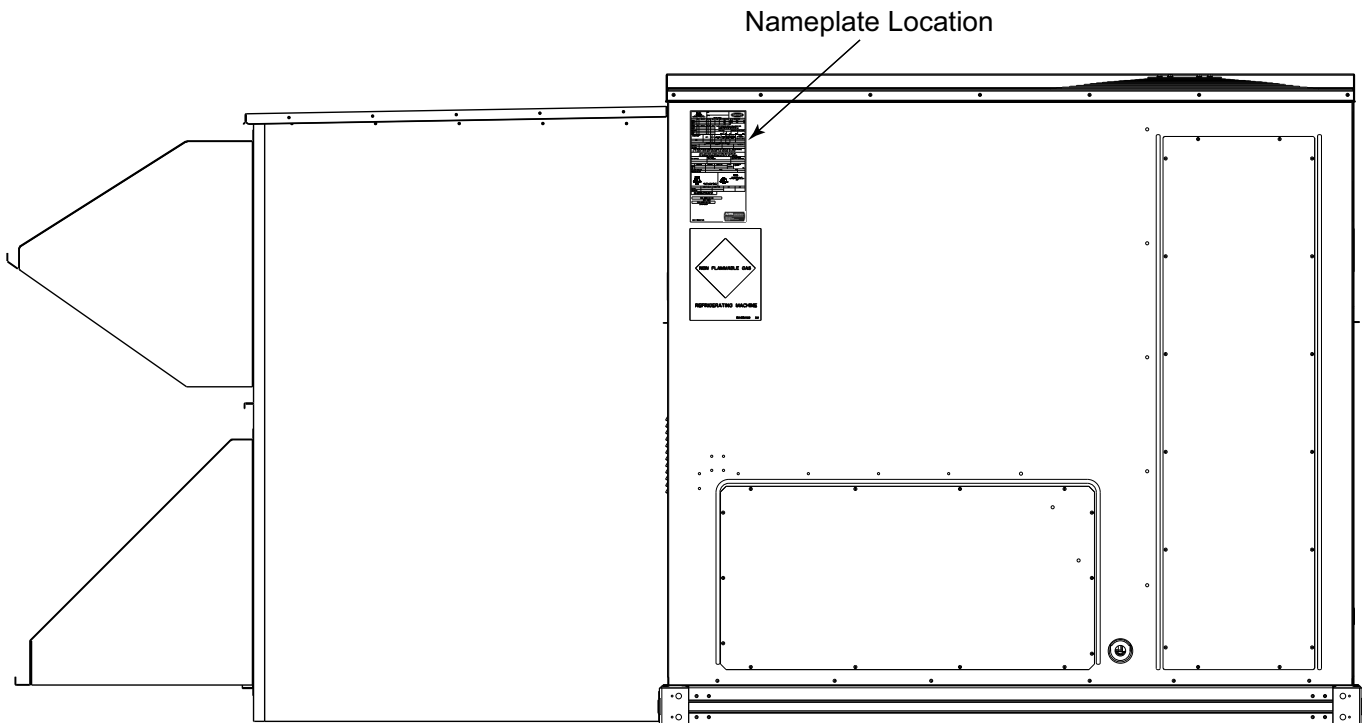


Fig. 1 - Location of Unit Nameplate

C12601

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	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							
48HC*A04	208/230-1-60	DD-STD	35	50	35	94	35	50	35	94	35	94	40	50	41	99	40	50	41	99	
		STD	33	45	32	99	32	45	33	99	32	45	37	50	38	104	37	50	38	104	
		MED	33	45	32	99	32	45	33	99	32	45	37	50	38	104	37	50	38	104	
	208/230-3-60	DD-STD	27	30	28	88	28	30	27	88	28	30	32	40	34	93	32	40	34	93	
		STD	25	30	26	100	26	30	25	100	26	30	30	40	31	105	30	40	31	105	
		MED	25	30	26	100	26	30	25	100	26	30	30	40	31	105	30	40	31	105	
	48HC*A05	208/230-1-60	HIGH	27/27	30/30	28/27	138	30/30	27/27	138	30/30	28/27	138	32/32	40/40	33/33	143	32/32	40/40	33/33	143
			DD-STD	16	20	16	47	16	20	16	47	16	20	18	20	18	49	18	20	18	49
			STD	14	20	14	52	14	20	14	52	14	20	17	20	17	54	17	20	17	54
		208/230-3-60	MED	14	20	14	52	14	20	14	52	14	20	17	20	17	54	17	20	17	54
			HIGH	15	20	15	71	15	20	15	71	15	20	17	20	18	73	17	20	18	73
			DD-STD	15	20	16	47	15	20	15	47	15	20	17	20	18	49	17	20	18	49
208/230-1-60		STD	12	15	12	50	12	15	12	50	12	15	14	15	14	52	14	15	14	52	
		MED	12	15	12	50	12	15	12	50	12	15	14	15	14	52	14	15	14	52	
		HIGH	13	15	13	54	13	15	13	54	13	15	15	20	15	56	15	20	15	56	
48HC*A05	208/230-1-60	DD-STD	44	60	44	135	44	60	44	135	44	60	49	60	50	140	49	60	50	140	
		STD	42	60	41	140	42	60	42	140	41	60	47	60	47	145	47	60	47	145	
		MED	42	60	41	140	42	60	41	140	41	60	47	60	47	145	47	60	47	145	
	208/230-3-60	DD-STD	34	45	35	101	34	45	34	101	35	45	39	50	41	106	39	50	41	106	
		STD	32	45	33	113	32	45	32	113	33	45	37	50	38	118	37	50	38	118	
		MED	32/32	45/45	33/32	130	32/32	45/45	32/32	130	33/32	45/45	37/37	50/50	38/38	135	37/37	50/50	38/38	135	
	48HC*A05	208/230-1-60	HIGH	35/35	45/45	36/36	166	35/35	35/35	166	36/36	45/45	40/40	50/50	42/42	171	40/40	50/50	42/42	171	
			DD-STD	17	20	17	51	17	20	17	51	17	20	19	25	20	53	19	25	20	53
			STD	16	20	16	56	16	20	16	56	16	20	18	20	18	58	18	20	18	58
208/230-3-60		MED	15	20	15	65	15	20	15	65	15	20	18	20	18	67	18	20	18	67	
		HIGH	17	20	17	83	17	20	17	83	17	20	19	25	20	85	19	25	20	85	
		DD-STD	15	20	16	43	15	20	15	43	16	20	17	20	18	45	17	20	18	45	
208/230-1-60	STD	12	15	12	46	12	15	12	46	12	15	14	15	14	48	14	15	14	48		
	MED	13	15	13	46	13	15	13	46	13	15	14	15	14	48	14	15	14	48		
	HIGH	14	15	14	61	14	15	14	61	14	15	16	20	16	63	16	20	16	63		

See: "Legend and Notes for Tables 1 – 8" on page 51.



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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	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							
48HC*A06	208/230-1-60	DD-STD	48	60	48	152	48	60	48	152	48	60	53	60	53	157	53	60	53	157	
		STD	46	60	45	157	46	60	45	157	46	60	51	60	51	162	51	60	50	162	
		MED	48	60	47	182	48	60	47	182	48	60	53	60	53	187	53	60	53	187	
	208/230-3-60	DD-STD	37	50	38	128	37	50	38	128	37	50	42	50	43	133	42	50	43	133	
		STD	35	50	35	140	35	50	35	140	35	50	40	50	41	145	40	50	41	145	
		MED	37/37	50/50	37/37	178	37/37	50/50	37/37	178	37/37	50/50	42/41	50/50	43/42	183	42/41	50/50	43/42	183	
	48HC*A07	460-3-60	HIGH	38/38	50/50	39/39	193	38/38	50/50	39/39	193	38/38	50/50	43/43	50/50	44/44	198	43/43	50/50	44/44	198
			DD-STD	18	20	18	62	18	20	18	62	18	20	20	25	21	64	20	25	21	64
			STD	17	20	16	67	17	20	16	67	17	20	19	25	19	69	19	25	19	69
		575-3-60	MED	17	20	17	86	17	20	17	86	17	20	20	25	20	88	20	25	20	88
			HIGH	18	20	18	94	18	20	18	94	18	20	20	25	21	96	20	25	21	96
			DD-STD	16	20	16	50	16	20	16	50	16	20	17	20	18	52	17	20	18	52
48HC*D08		208/230-3-60	STD	13	15	13	53	13	15	13	53	13	15	14	20	15	55	14	20	15	55
			MED	14	15	14	57	14	15	14	57	14	15	15	20	16	59	15	20	16	59
			HIGH	14	20	15	68	14	20	15	68	14	20	16	20	16	70	16	20	16	70
		460-3-60	STD	40/40	50/50	41/40	173	40/40	50/50	41/40	173	40/40	50/50	45/45	60/60	46/46	178	45/45	60/60	46/46	178
			MED	44/44	60/60	44/44	209	44/44	60/60	44/44	209	44/44	60/60	48/48	60/60	50/50	214	48/48	60/60	50/50	214
			HIGH	49/48	60/60	50/49	225	49/48	60/60	50/49	225	49/48	60/60	54/53	60/60	56/55	230	54/53	60/60	56/55	230
	575-3-60	STD	20	25	20	88	20	25	20	88	20	25	23	30	23	90	23	30	23	90	
		MED	22	30	22	106	22	30	22	106	22	30	24	30	25	108	24	30	25	108	
		HIGH	24	30	25	114	24	30	25	114	24	30	27	30	27	116	27	30	27	116	
	48HC*D08	208/230-3-60	STD	16	20	16	65	16	20	16	65	16	20	18	20	18	67	18	20	18	67
			MED	18	20	18	80	18	20	18	80	18	20	19	25	19	82	19	25	19	82
			HIGH	20	25	21	94	20	25	21	94	20	25	22	25	23	96	22	25	23	96
575-3-60		STD	51/51	60/60	54/54	220	51/51	60/60	54/54	220	51/51	60/60	56/56	60/60	60/60	225	56/56	60/60	60/60	225	
		MED	53/53	60/60	56/56	241	53/53	60/60	56/56	241	53/53	60/60	58/58	70/70	62/62	246	58/58	70/70	62/62	246	
		HIGH	57	60	61	270	57	60	61	270	57	60	61	70	66	275	61	70	66	275	
460-3-60		STD	24	25	25	110	24	25	25	110	24	25	26	30	28	112	26	30	28	112	
		MED	25	30	26	120	25	30	26	120	25	30	27	30	29	122	27	30	29	122	
		HIGH	27	30	28	135	27	30	28	135	27	30	29	30	31	137	29	30	31	137	
575-3-60		STD	18	20	19	83	18	20	19	83	18	20	20	25	21	85	20	25	21	85	
		MED	19	20	20	87	19	20	20	87	19	20	20	25	22	89	20	25	22	89	
		HIGH	19	20	21	98	19	20	21	98	19	20	21	25	22	100	21	25	22	100	

See: Legend and Notes for Tables 1 - 8 * on page 51.

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	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				
48HC*D09	208/230-3-60	STD	51/51	60/60	55/54	220	51/51	60/60	55/54	220	56/56	60/60	60/60	225	56/56	60/60	60/60	225
		MED	53/53	60/60	57/56	241	53/53	60/60	57/56	241	58/58	70/70	70/70	246	58/58	70/70	70/70	246
		HIGH	57	60	61	270	57	60	61	270	62	70	70	275	62	70	70	275
	460-3-60	STD	24	30	25	110	24	30	25	110	26	30	30	112	26	30	30	112
		MED	25	30	26	120	25	30	26	120	27	30	30	122	27	30	30	122
		HIGH	27	30	28	135	27	30	28	135	29	35	35	137	29	35	35	137
	575-3-60	STD	20	25	21	83	20	25	21	83	21	25	25	85	21	25	25	85
		MED	20	25	21	87	20	25	21	87	22	25	25	89	22	25	25	89
		HIGH	21	25	22	98	21	25	22	98	22	25	25	100	22	25	25	100
48HC*D11	208/230-3-60	STD	62/62	70/70	67/67	296	62/62	70/70	67/67	296	67/67	80/80	80/80	301	67/67	80/80	80/80	301
		MED	66	80	71	325	66	80	71	325	71	80	80	330	71	80	80	330
		HIGH	69/68	80/80	74/73	327	69/68	80/80	74/73	327	74/73	80/80	80/80	332	74/73	80/80	80/80	332
	460-3-60	STD	29	30	30	142	29	30	30	142	31	35	35	144	31	35	35	144
		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	40	160	34	40	40	160
	575-3-60	STD	23	25	24	101	23	25	24	101	25	30	30	103	25	30	30	103
		MED	24	25	25	112	24	25	25	112	25	30	30	114	25	30	30	114
		HIGH	27	30	29	126	27	30	29	126	28	30	30	128	28	30	30	128
48HC*D12	208/230-3-60	STD	61/61	70/70	65/65	321	61/61	70/70	65/65	321	66/66	80/80	80/80	326	66/66	80/80	80/80	326
		MED	65	80	70	350	65	80	70	350	70	80	80	355	70	80	80	355
		HIGH	68/67	80/80	73/72	352	68/67	80/80	73/72	352	73/72	80/80	80/80	357	73/72	80/80	80/80	357
	460-3-60	STD	30	35	31	154	30	35	31	154	32	35	35	156	32	35	35	156
		MED	32	35	34	169	32	35	34	169	34	40	40	171	34	40	40	171
		HIGH	33	35	35	170	33	35	35	170	35	40	40	172	35	40	40	172
	575-3-60	STD	23	25	25	111	23	25	25	111	25	30	30	113	25	30	30	113
		MED	24	30	25	122	24	30	25	122	26	30	30	124	26	30	30	124
		HIGH	27	30	29	136	27	30	29	136	29	30	30	138	29	30	30	138
48HC*D14	208/230-3-60	STD	72/72	80/80	77/77	346	72/72	80/80	77/77	346	77/77	90/90	90/90	351	77/77	90/90	90/90	351
		MED	74	80	80	360	74	80	80	360	79	90	90	365	79	90	90	365
		HIGH	85	100	91	366	85	100	91	366	89	100	100	371	89	100	100	371
	460-3-60	STD	36	45	38	173	36	45	38	173	38	45	45	175	38	45	45	175
		MED	37	45	39	180	37	45	39	180	39	45	45	182	39	45	45	182
		HIGH	42	50	45	183	42	50	45	183	44	50	50	185	44	50	50	185
	575-3-60	STD	29	35	31	135	29	35	31	135	31	35	35	137	31	35	35	137
		MED	29	35	31	135	29	35	31	135	31	35	35	137	31	35	35	137
		HIGH	36	40	38	147	36	40	38	147	37	45	45	149	37	45	45	149

See: "Legend and Notes for Tables 1 - 8" on page 51.



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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	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	MCA	HACR BRKR	DISC. SIZE FLA LRA				
48HC*A04	208/230-1-60	DD-STD	35	50	35	94	35	50	35	94	35	94	40	50	41	99	40	50	41	99	
		STD	33	45	32	99	33	45	32	99	33	45	37	50	38	104	37	50	38	104	
		MED	33	45	32	99	33	45	32	99	33	45	37	50	38	104	37	50	38	104	
		DD-STD	27	30	28	88	27	30	28	88	27	30	32	40	34	93	32	40	34	93	
	STD	25	30	26	100	25	30	26	100	25	30	30	40	31	105	30	40	31	105		
	MED	25	30	26	100	25	30	26	100	25	30	30	40	31	105	30	40	31	105		
	HIGH	27/27	30/30	28/27	138	27/27	30/30	28/27	138	27/27	30/30	28/27	138	40/40	33/33	143	32/32	40/40	33/33	143	
	DD-STD	16	20	16	47	16	20	16	47	16	20	16	47	18	20	18	49	18	20	18	49
	STD	14	20	14	52	14	20	14	52	14	20	14	52	17	20	17	54	17	20	17	54
	MED	14	20	14	52	14	20	14	52	14	20	14	52	17	20	17	54	17	20	17	54
	HIGH	15	20	15	71	15	20	15	71	15	20	15	71	17	20	18	73	17	20	18	73
	DD-STD	15	20	16	47	15	20	16	47	15	20	16	47	17	20	18	49	17	20	18	49
STD	12	15	12	50	12	15	12	50	12	15	12	50	14	15	14	52	14	15	14	52	
MED	12	15	12	50	12	15	12	50	12	15	12	50	14	15	14	52	14	15	14	52	
HIGH	13	15	13	54	13	15	13	54	13	15	13	54	15	20	15	56	15	20	15	56	
DD-STD	44	60	44	135	44	60	44	135	44	60	44	135	49	60	50	140	49	60	50	140	
STD	42	60	41	140	42	60	41	140	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	
DD-STD	34	45	35	101	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	32	45	33	113	37	50	38	118	37	50	38	118	
MED	32/32	45/45	33/32	130	32/32	45/45	33/32	130	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	35/35	45/45	36/36	166	40/40	50/50	42/42	171	40/40	50/50	42/42	171	
DD-STD	17	20	17	51	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	16	20	16	56	18	20	18	58	18	20	18	58	
MED	15	20	15	65	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	17	20	17	83	19	25	20	85	19	25	20	85	
DD-STD	15	20	16	43	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	12	15	12	46	14	15	14	48	14	15	14	48	
MED	13	15	13	46	13	15	13	46	13	15	13	46	14	15	14	48	14	15	14	48	
HIGH	14	15	14	61	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 51.

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

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.												w/ PWRD C.O.											
			w/ ERV, w/o Economizer						w/ ERV, w/ Economizer						w/ ERV, w/o Economizer						w/ ERV, w/ Economizer					
			MCA	HACR BRKR	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*A06	208/230-1-60	DD-STD	48	60	48	152	48	60	48	152	48	152	48	60	48	152	48	60	48	152	53	60	53	157	53	157
		STD	46	60	45	157	46	60	45	157	46	157	46	60	45	157	46	60	45	157	51	60	51	162	51	162
		MED	48	60	47	182	48	60	47	182	48	182	48	60	47	182	48	60	47	182	53	60	53	187	53	187
	208/230-3-60	DD-STD	37	50	38	128	37	50	38	128	37	128	37	50	38	128	37	50	38	128	42	50	42	133	42	133
		STD	35	50	35	140	35	50	35	140	35	140	35	50	35	140	35	50	35	140	40	50	40	145	40	145
		MED	37/37	50/50	37/37	178	37/37	50/50	37/37	178	37/37	178	37/37	50/50	37/37	178	37/37	50/50	37/37	178	42/42	50/50	42/42	183	42/42	183
	460-3-60	HIGH	38/38	50/50	39/39	193	38/38	50/50	39/39	193	38/38	193	38/38	50/50	39/39	193	38/38	50/50	39/39	193	43/43	50/50	43/43	198	43/43	198
		DD-STD	18	20	18	62	18	20	18	62	18	62	18	20	18	62	18	20	18	62	20	25	20	64	20	64
		STD	17	20	16	67	17	20	16	67	17	67	17	20	16	67	17	20	16	67	19	25	19	69	19	69
		MED	17	20	17	86	17	20	17	86	17	86	17	20	17	86	17	20	17	86	20	25	20	88	20	88
		HIGH	18	20	18	94	18	20	18	94	18	94	18	20	18	94	18	20	18	94	20	25	20	96	20	96
		DD-STD	16	20	16	50	16	20	16	50	16	50	16	20	16	50	16	20	16	50	17	20	17	52	17	52
575-3-60	STD	13	15	13	53	13	15	13	53	13	53	13	15	13	53	13	15	13	53	14	20	14	55	14	55	
	MED	14	15	14	57	14	15	14	57	14	57	14	15	14	57	14	15	14	57	15	20	15	59	15	59	
	HIGH	14	20	15	68	14	20	15	68	14	68	14	20	15	68	14	20	15	68	16	20	16	70	16	70	
	STD	40/40	50/50	41/40	173	40/40	50/50	41/40	173	40/40	173	40/40	50/50	41/40	173	40/40	50/50	41/40	173	45/45	60/60	46/46	178	45/45	178	
	MED	44/44	60/60	44/44	209	44/44	60/60	44/44	209	44/44	209	44/44	60/60	44/44	209	44/44	60/60	44/44	209	48/48	60/60	48/48	214	48/48	214	
	HIGH	49/49	60/60	50/49	225	49/49	60/60	50/49	225	49/49	225	49/49	60/60	50/49	225	49/49	60/60	50/49	225	54/54	60/60	54/54	230	54/54	230	
48HC*A07	208/230-3-60	STD	20	25	20	88	20	25	20	88	20	88	20	25	20	88	20	25	20	23	30	23	90	23	90	
		MED	22	30	22	106	22	30	22	106	22	106	22	30	22	106	22	30	22	106	24	30	24	108	24	108
		HIGH	24	30	25	114	24	30	25	114	24	114	24	30	25	114	24	30	25	114	27	30	27	116	27	116
	460-3-60	STD	16	20	16	65	16	20	16	65	16	65	16	20	16	65	16	20	16	65	18	20	18	67	18	67
		MED	18	20	18	80	18	20	18	80	18	80	18	20	18	80	18	20	18	80	19	25	19	82	19	82
		HIGH	20	25	21	94	20	25	21	94	20	94	20	25	21	94	20	25	21	94	22	25	22	96	22	96
	575-3-60	STD	51/51	60/60	54/54	220	51/51	60/60	54/54	220	51/51	220	51/51	60/60	54/54	220	51/51	60/60	54/54	220	56/56	60/60	56/56	225	56/56	225
		MED	53/53	60/60	56/56	241	53/53	60/60	56/56	241	53/53	241	53/53	60/60	56/56	241	53/53	60/60	56/56	241	58/58	70/70	62/62	246	58/58	246
		HIGH	57	60	61	270	57	60	61	270	57	270	57	60	61	270	57	60	61	270	61	70	61	275	61	275
		STD	24	25	25	110	24	25	25	110	24	110	24	25	25	110	24	25	25	110	26	30	26	112	26	112
		MED	25	30	26	120	25	30	26	120	25	120	25	30	26	120	25	30	26	120	27	30	27	122	27	122
		HIGH	27	30	28	135	27	30	28	135	27	135	27	30	28	135	27	30	28	135	29	30	31	137	29	137
48HC*D08	208/230-3-60	STD	18	20	19	83	18	20	19	83	18	83	18	20	19	83	18	20	19	83	20	25	21	85	20	85
		MED	19	20	20	87	19	20	20	87	19	87	19	20	20	87	19	20	20	87	20	25	22	89	20	89
		HIGH	19	20	21	98	19	20	21	98	19	98	19	20	21	98	19	20	21	98	21	25	22	100	21	100
	575-3-60	STD	18	20	19	83	18	20	19	83	18	83	18	20	19	83	18	20	19	83	20	25	21	85	20	85
		MED	19	20	20	87	19	20	20	87	19	87	19	20	20	87	19	20	20	87	20	25	22	89	20	89
		HIGH	19	20	21	98	19	20	21	98	19	98	19	20	21	98	19	20	21	98	21	25	22	100	21	100

See: Legend and Notes for Tables 1 - 8 " on page 51.



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													
			MCA	HACR BRKR	FLA	LRA	DISC. SIZE	MCA	HACR BRKR	FLA	LRA	DISC. SIZE	MCA	HACR BRKR	FLA	LRA	DISC. SIZE					
48HC*D09	208/230-3-60	STD	51/51	60/60	55/54	220	51/51	60/60	55/54	220	51/51	60/60	55/54	220	56/56	60/60	60/60	225	56/56	60/60	60/60	225
		MED	53/53	60/60	57/56	241	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	57	60	61	270	62	70	66	275	62	70	66	275
48HC*D09	460-3-60	STD	24	30	25	110	24	30	25	110	24	30	25	110	26	30	28	112	26	30	28	112
		MED	25	30	26	120	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	27	30	28	135	29	35	31	137	29	35	31	137
48HC*D09	575-3-60	STD	20	25	21	83	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	20	25	21	87	22	25	23	89	22	25	23	89
		HIGH	21	25	22	98	21	25	22	98	21	25	22	98	22	25	24	100	22	25	24	100
48HC*D11	208/230-3-60	STD	62/62	70/70	67/67	296	62/62	70/70	67/67	296	62/62	70/70	67/67	296	67/67	80/80	72/72	301	67/67	80/80	72/72	301
		MED	66	80	71	325	66	80	71	325	66	80	71	325	71	80	77	330	71	80	77	330
		HIGH	69/69	80/80	74/73	327	69/69	80/80	74/73	327	69/69	80/80	74/73	327	74/74	80/80	80/79	332	74/74	80/80	80/79	332
48HC*D11	460-3-60	STD	29	30	30	142	29	30	30	142	29	30	30	142	31	35	33	144	31	35	33	144
		MED	31	35	33	157	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	32	35	34	158	34	40	36	160	34	40	36	160
48HC*D11	575-3-60	STD	23	25	24	101	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	24	25	25	112	25	30	27	114	25	30	27	114
		HIGH	27	30	29	126	27	30	29	126	27	30	29	126	28	30	31	128	28	30	31	128
48HC*D12	208/230-3-60	STD	61/61	70/70	65/65	321	61/61	70/70	65/65	321	61/61	70/70	65/65	321	66/66	80/80	71/71	326	66/66	80/80	71/71	326
		MED	65	80	70	350	65	80	70	350	65	80	70	350	70	80	75	355	70	80	75	355
		HIGH	68/68	80/80	73/72	352	68/68	80/80	73/72	352	68/68	80/80	73/72	352	73/73	80/80	79/78	357	73/73	80/80	79/78	357
48HC*D12	460-3-60	STD	30	35	31	154	30	35	31	154	30	35	31	154	32	35	34	156	32	35	34	156
		MED	32	35	34	169	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	33	35	35	170	35	40	37	172	35	40	37	172
48HC*D12	575-3-60	STD	23	25	25	111	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	24	30	25	122	26	30	27	124	26	30	27	124
		HIGH	27	30	29	136	27	30	29	136	27	30	29	136	29	30	31	138	29	30	31	138
48HC*D14	208/230-3-60	STD	72/72	80/80	71/77	346	72/72	80/80	71/77	346	72/72	80/80	71/77	346	77/77	90/90	83/83	351	77/77	90/90	83/83	351
		MED	74	80	80	360	74	80	80	360	74	80	80	360	79	90	85	365	79	90	85	365
		HIGH	85	100	91	366	85	100	91	366	85	100	91	366	89	100	96	371	89	100	96	371
48HC*D14	460-3-60	STD	36	45	38	173	36	45	38	173	36	45	38	173	38	45	41	175	38	45	41	175
		MED	37	45	39	180	37	45	39	180	37	45	39	180	39	45	42	182	39	45	42	182
		HIGH	42	50	45	183	42	50	45	183	42	50	45	183	44	50	47	185	44	50	47	185
48HC*D14	575-3-60	STD	29	35	31	135	29	35	31	135	29	35	31	135	31	35	33	137	31	35	33	137
		MED	29	35	31	135	29	35	31	135	29	35	31	135	31	35	33	137	31	35	33	137
		HIGH	36	40	38	147	36	40	38	147	36	40	38	147	37	45	40	149	37	45	40	149

See: "Legend and Notes for Tables 1 - 8" on page 51.

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						w/ PWRD C.O.								
			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						
48HC*D08	208/230-3-60	STD	52/52	60/60	55/55	207	52/52	60/60	55/55	207	57/56	60/60	61/60	212	57/56	60/60	61/60	212	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	
		HIGH	57/56	60/60	61/60	261	57/56	60/60	61/60	261	66/65	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	26	30	28	131	26	30	28	131	26	30	28	131	26
		MED	25	30	27	106	25	30	27	106	25	30	27	106	27	30	29	108	27	30	29	108	27
		HIGH	26	30	28	131	26	30	28	131	26	30	28	131	28	30	30	133	28	30	30	133	28
	575-3-60	STD	19	20	21	85	19	20	21	85	19	20	21	85	21	25	22	87	21	25	22	87	21
		MED	20	25	21	89	20	25	21	89	20	25	21	89	22	25	23	91	22	25	23	91	22
		HIGH	21	25	22	98	21	25	22	98	21	25	22	98	23	25	24	100	23	25	24	100	23
	48HC*D09	208/230-3-60	STD	52/52	60/60	55/55	207	52/52	60/60	55/55	207	57/57	60/60	61/60	212	57/57	60/60	61/60	212	57/57	60/60	61/60	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
			HIGH	57/56	70/60	61/60	261	57/56	70/60	61/60	261	66/65	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	26	103	24	30	28	105	27	30	28	105	27
		MED	25	30	27	106	25	30	27	106	25	30	27	106	25	30	29	108	27	30	29	108	27
		HIGH	26	30	28	131	26	30	28	131	26	30	28	131	26	30	31	133	29	30	31	133	29
575-3-60		STD	21	25	22	85	21	25	22	85	21	25	22	85	22	25	24	87	22	25	24	87	22
		MED	21	25	23	89	21	25	23	89	21	25	23	89	23	25	25	91	23	25	25	91	23
		HIGH	22	25	24	98	22	25	24	98	22	25	24	98	24	25	26	100	24	25	26	100	24
48HC*D11		208/230-3-60	STD	63/62	70/70	67/67	266	63/62	70/70	67/67	266	67/67	80/80	73/72	271	67/67	80/80	73/72	271	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
			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
	460-3-60	STD	29	35	31	128	29	35	31	128	29	35	31	128	31	35	33	130	31	35	33	130	31
		MED	30	35	32	153	30	35	32	153	30	35	32	153	32	35	35	155	32	35	35	155	32
		HIGH	32	35	34	158	32	35	34	158	32	35	34	158	34	40	36	160	34	40	36	160	34
	575-3-60	STD	24	30	26	103	24	30	26	103	24	30	26	103	26	30	28	105	26	30	28	105	26
		MED	25	30	27	112	25	30	27	112	25	30	27	112	27	30	29	114	27	30	29	114	27
		HIGH	27	30	29	126	27	30	29	126	27	30	29	126	29	35	31	128	29	35	31	128	29

See: "Legend and Notes for Tables 1 – 8" on page 51.

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	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				
48HC*D12	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	66/66	80/80	71/71	296
		MED	65/64	80/70	70/69	341	65/64	80/70	70/69	341	70/69	80/80	75/74	346	70/69	80/80	75/74	346	70/69	80/80	75/74	346	70/69	80/80	75/74	346
		HIGH	68/67	80/80	73/72	352	68/67	80/80	73/72	352	73/72	80/80	79/78	357	73/72	80/80	79/78	357	73/72	80/80	79/78	357	73/72	80/80	79/78	357
48HC*D12	460-3-60	STD	30	35	32	140	30	35	32	140	32	35	34	142	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	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	35	40	37	172
48HC*D14	575-3-60	STD	25	30	26	113	25	30	26	113	26	30	28	115	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	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	29	35	31	138
48HC*D14	208/230-3-60	STD	72/72	80/80	77/76	327	72/72	80/80	77/76	327	77/76	90/90	83/82	332	77/76	90/90	83/82	332	77/76	90/90	83/82	332	77/76	90/90	83/82	332
		MED	75/74	80/80	80/79	351	75/74	80/80	80/79	351	79/78	90/90	85/84	356	79/78	90/90	85/84	356	79/78	90/90	85/84	356	79/78	90/90	85/84	356
		HIGH	85	100	91	366	85	100	91	366	89	100	96	371	89	100	96	371	89	100	96	371	89	100	96	371
48HC*D14	460-3-60	STD	36	40	38	164	36	40	38	164	38	45	40	166	38	45	40	166	38	45	40	166	38	45	40	166
		MED	37	45	39	176	37	45	39	176	39	45	41	178	39	45	41	178	39	45	41	178	39	45	41	178
		HIGH	42	50	45	183	42	50	45	183	44	50	47	185	44	50	47	185	44	50	47	185	44	50	47	185
48HC*D14	575-3-60	STD	31	35	33	135	31	35	33	135	32	35	33	137	32	35	33	137	32	35	33	137	32	35	33	137
		MED	31	35	33	135	31	35	33	135	32	35	33	137	32	35	33	137	32	35	33	137	32	35	33	137
		HIGH	36	40	38	147	36	40	38	147	37	45	40	149	37	45	40	149	37	45	40	149	37	45	40	149

See: "Legend and Notes for Tables 1 - 8" on page 51.

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

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

See: "Legend and Notes for Tables 1 – 8" on page 51.

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

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.												w/ PWRD C.O.											
			NO P.E.						w/ P.E. (pwrd fr/ unit)						NO P.E.						w/ P.E. (pwrd fr/ unit)					
			MCA	HACR BRKR	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	MCA	HACR BRKR	FLA	DISC. SIZE
48HC*D12	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	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	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	73/73	80/80	79/78	357
	460-3-60	STD	30	35	32	140	30	35	32	140	32	35	34	142	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	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	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	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	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	29	35	31	138	
48HC*D14	208/230-3-60	STD	72/72	80/80	71/76	327	72/72	80/80	71/76	327	71/77	90/90	83/82	332	71/77	90/90	83/82	332	71/77	90/90	83/82	332	71/77	90/90	83/82	332
		MED	75/75	80/80	80/79	351	75/75	80/80	80/79	351	79/79	90/90	85/84	356	79/79	90/90	85/84	356	79/79	90/90	85/84	356	79/79	90/90	85/84	356
		HIGH	85	100	91	366	85	100	91	366	89	100	96	371	89	100	96	371	89	100	96	371	89	100	96	371
	460-3-60	STD	36	40	38	164	36	40	38	164	38	45	40	166	38	45	40	166	38	45	40	166	38	45	40	166
		MED	37	45	39	176	37	45	39	176	39	45	41	178	39	45	41	178	39	45	41	178	39	45	41	178
		HIGH	42	50	45	183	42	50	45	183	44	50	47	185	44	50	47	185	44	50	47	185	44	50	47	185
575-3-60	STD	31	35	33	135	31	35	33	135	32	35	35	137	32	35	35	137	32	35	35	137	32	35	35	137	
	MED	31	35	33	135	31	35	33	135	32	35	35	137	32	35	35	137	32	35	35	137	32	35	35	137	
	HIGH	36	40	38	147	36	40	38	147	37	45	40	149	37	45	40	149	37	45	40	149	37	45	40	149	

See: "Legend and Notes for Tables 1 - 8 " on page 51.

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

UNIT	NO. M. V. Ph-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.																						
			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*A04	460-3-60	DD-STD	NONE	-	-	16	20	16	47	16	20	16	47	16	20	18	20	18	49	18	20	18	49	18	20	18	49	
			106A	6.0	7.2	19	20	17	47	19	20	17	47	19	20	17	47	22	25	19	22	25	19	22	25	19	49	
			107A	8.8	10.6	23	25	21	47	23	25	21	47	23	25	21	47	26	30	23	26	30	23	26	30	23	49	
		STD	108A	11.5	13.8	27	30	24	47	27	30	24	47	27	30	24	47	30	30	27	30	27	30	27	30	27	49	
			109A	14.0	16.8	31	35	28	47	31	35	28	47	31	35	28	47	34	35	30	34	34	30	30	34	35	30	49
			NONE	-	-	14	20	14	52	14	20	14	52	14	20	14	52	17	20	17	54	17	20	17	54	17	20	17
	MED	106A	6.0	7.2	17	20	15	52	17	20	15	52	17	20	15	52	20	20	18	20	20	18	20	18	20	18	49	
		107A	8.8	10.6	21	25	19	52	21	25	19	52	21	25	19	52	24	25	22	24	24	22	25	22	24	25	49	
		108A	11.5	13.8	25	25	23	52	25	25	23	52	25	25	23	52	28	30	25	28	28	28	25	28	28	25	49	
	HIGH	109A	14.0	16.8	29	30	26	52	29	30	26	52	29	30	26	52	32	35	29	32	32	29	29	32	35	29	49	
		NONE	-	-	15	20	15	71	15	20	15	71	15	20	15	71	17	20	18	17	17	20	18	17	20	18	73	
		106A	6.0	7.2	18	20	16	71	18	20	16	71	18	20	16	71	21	21	19	21	21	21	19	21	21	19	73	
DD-STD	107A	8.8	10.6	22	25	20	71	22	25	20	71	22	25	20	71	25	25	23	25	25	23	23	25	23	23	73		
	108A	11.5	13.8	26	30	24	71	26	30	24	71	26	30	24	71	29	30	26	29	29	29	26	29	30	26	73		
	109A	14.0	16.8	30	30	27	71	30	30	27	71	30	30	27	71	33	35	30	33	33	30	30	33	35	30	73		
575-3-60	STD	NONE	-	-	15	20	16	47	15	20	16	47	15	20	16	17	20	18	17	17	20	18	17	20	18	49		
		297A	9.2	9.2	24	25	21	47	24	25	21	47	24	25	21	47	26	30	23	26	30	23	26	30	23	49		
		298A	13.8	13.8	29	30	27	47	29	30	27	47	29	30	27	47	31	35	28	31	35	28	28	31	35	28	49	
MED	NONE	-	-	12	15	12	50	12	15	12	50	12	15	12	50	14	15	14	14	14	15	14	15	14	15	52		
	297A	9.2	9.2	20	20	18	50	20	20	18	50	20	20	18	50	22	25	20	22	22	25	20	22	25	20	52		
	298A	13.8	13.8	26	30	23	50	26	30	23	50	26	30	23	50	28	30	25	28	28	30	25	28	28	30	52		
HIGH	NONE	-	-	12	15	12	50	12	15	12	50	12	15	12	50	14	15	14	14	14	15	14	15	14	15	52		
	297A	9.2	9.2	20	20	18	50	20	20	18	50	20	20	18	50	22	25	20	22	22	25	20	22	25	20	52		
	298A	13.8	13.8	26	30	23	50	26	30	23	50	26	30	23	50	28	30	25	28	28	30	25	28	28	30	52		

See: "Legend and Notes for Tables 1 - 8" on page 51.

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	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	
50HC*A05	DD-STD	NONE	-	-	44	60	44	135	44	60	44	135	49	60	50	140	140	
		101A	3.3/4.4	15.9/18.3	44/44	60/60	44/44	135/135	44/44	60/60	44/44	135/135	49/49	60/60	50/50	140/140	140/140	
		103B	6.9/8.7	31.4/36.3	59/65	60/70	54/59	135/135	59/65	60/70	54/59	135/135	65/71	70/80	59/65	140/140	140/140	
		102A+102A	9.8/13.0	46.9/54.2	78/87	80/90	71/80	135/135	84/93	90/100	80/90	71/80	135/135	84/93	90/100	77/85	140/140	140/140
		103B+103B	13.1/17.4	62.8/72.5	98/110	100/110	90/101	135/135	98/110	100/110	90/101	135/135	104/116	110/125	95/106	140/140	140/140	
		104B+104B	15.8/21.0	75.8/87.5	114/129	125/150	105/118	135/135	114/129	125/150	105/118	135/135	120/135	125/150	110/124	140/140	140/140	
	STD	NONE	-	-	42	60	41	140	42	60	41	140	47	60	47	145	145	
		101A	3.3/4.4	15.9/18.3	42/42	60/60	41/41	140/140	42/42	60/60	41/41	140/140	47/47	60/60	47/47	145/145	145/145	
		103B	6.9/8.7	31.4/36.3	56/62	60/70	51/56	140/140	56/62	60/70	51/56	140/140	62/68	70/70	56/62	145/145	145/145	
		102A+102A	9.8/13.0	46.9/54.2	75/84	80/90	68/77	140/140	75/84	80/90	68/77	140/140	81/90	90/90	74/82	145/145	145/145	
		103B+103B	13.1/17.4	62.8/72.5	95/107	100/110	87/98	140/140	95/107	100/110	87/98	140/140	101/113	110/125	92/103	145/145	145/145	
		104B+104B	15.8/21.0	75.8/87.5	111/126	125/150	102/115	140/140	111/126	125/150	102/115	140/140	117/132	125/150	107/121	145/145	145/145	
MED	NONE	-	-	42	60	41	140	42	60	41	140	47	60	47	145	145		
	101A	3.3/4.4	15.9/18.3	42/42	60/60	41/41	140/140	42/42	60/60	41/41	140/140	47/47	60/60	47/47	145/145	145/145		
	103B	6.9/8.7	31.4/36.3	56/62	60/70	51/56	140/140	56/62	60/70	51/56	140/140	62/68	70/70	56/62	145/145	145/145		
	102A+102A	9.8/13.0	46.9/54.2	75/84	80/90	68/77	140/140	75/84	80/90	68/77	140/140	81/90	90/90	74/82	145/145	145/145		
	103B+103B	13.1/17.4	62.8/72.5	95/107	100/110	87/98	140/140	95/107	100/110	87/98	140/140	101/113	110/125	92/103	145/145	145/145		
	104B+104B	15.8/21.0	75.8/87.5	111/126	125/150	102/115	140/140	111/126	125/150	102/115	140/140	117/132	125/150	107/121	145/145	145/145		
DD-STD	NONE	-	-	34	45	35	101	34	45	35	101	39	50	41	106	106		
	102A	4.9/6.5	13.6/15.6	37/39	45/45	35/36	101/101	37/39	45/45	35/36	101/101	43/45	50/50	41/41	106/106	106/106		
	103B	6.9/8.7	18.1/20.9	42/46	45/50	39/42	101/101	42/46	45/50	39/42	101/101	48/52	50/60	44/47	106/106	106/106		
	105A	12.0/16.0	33.4/38.5	62/68	70/70	56/62	101/101	62/68	70/70	56/62	101/101	68/74	70/80	62/68	106/106	106/106		
	104B+104B	15.8/21.0	43.8/50.5	75/83	80/90	68/76	101/101	75/83	80/90	68/76	101/101	81/89	90/90	74/81	106/106	106/106		
	NONE	-	-	32	45	33	113	32	45	33	113	37	50	38	118	118		
STD	102A	4.9/6.5	13.6/15.6	34/37	45/45	33/33	113/113	34/37	45/45	33/33	113/113	40/43	50/50	38/39	118/118	118/118		
	103B	6.9/8.7	18.1/20.9	40/43	45/45	36/39	113/113	40/43	45/45	36/39	113/113	46/49	50/50	42/45	118/118	118/118		
	105A	12.0/16.0	33.4/38.5	59/65	60/70	54/60	113/113	59/65	60/70	54/60	113/113	65/71	70/80	59/65	118/118	118/118		
	104B+104B	15.8/21.0	43.8/50.5	72/80	80/80	66/73	113/113	72/80	80/80	66/73	113/113	78/86	80/90	71/79	118/118	118/118		
	NONE	-	-	32/32	45/45	33/32	130	32/32	45/45	33/32	130	37/37	50/50	38/38	135	135		
	102A	4.9/6.5	13.6/15.6	34/36	45/45	33/33	130/130	34/36	45/45	33/33	130/130	40/42	50/50	38/38	135/135	135/135		
MED	103B	6.9/8.7	18.1/20.9	40/43	45/45	36/39	130/130	40/43	45/45	36/39	130/130	46/49	50/50	42/44	135/135	135/135		
	105A	12.0/16.0	33.4/38.5	59/65	60/70	54/59	130/130	59/65	60/70	54/59	130/130	65/71	70/80	59/65	135/135	135/135		
	104B+104B	15.8/21.0	43.8/50.5	72/80	80/80	66/73	130/130	72/80	80/80	66/73	130/130	78/86	80/90	71/79	135/135	135/135		
	NONE	-	-	35/35	45/45	36/36	166	35/35	45/45	36/36	166	40/40	50/50	42/42	171	171		
	102A	4.9/6.5	13.6/15.6	38/40	45/45	36/37	166/166	38/40	45/45	36/37	166/166	44/46	50/50	42/42	171/171	171/171		
	103B	6.9/8.7	18.1/20.9	44/47	45/50	40/43	166/166	44/47	45/50	40/43	166/166	50/53	50/60	45/48	171/171	171/171		
HIGH	105A	12.0/16.0	33.4/38.5	63/69	70/70	57/63	166/166	63/69	70/70	57/63	166/166	69/75	70/80	63/69	171/171	171/171		
	104B+104B	15.8/21.0	43.8/50.5	76/84	80/90	69/77	166/166	76/84	80/90	69/77	166/166	82/90	90/90	75/82	171/171	171/171		

See: Legend and Notes for Tables 1 - 8 * on page 51.



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.																					
		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	MCA	FUSE or HACR BRKR	FLA	LRA	MCA	FUSE or HACR BRKR	FLA	LRA	MCA	FUSE or HACR BRKR	FLA	LRA						
50HC*A05	DD-STD	NONE	-	-	17	20	17	51	17	20	17	51	19	20	19	25	19	53	19	25	19	53	20	20	53	
		108A	6.0	7.2	19	20	17	51	19	20	17	51	22	25	22	25	22	53	22	25	22	53	20	20	53	
		108A	11.5	13.8	27	30	25	51	27	30	25	51	30	30	27	30	30	53	30	30	27	53	30	27	53	
		108A	14.0	16.8	31	35	28	51	31	35	28	51	34	35	31	35	31	53	34	35	31	53	31	31	53	
		108A+108A	23.0	27.7	45	45	41	51	45	45	41	51	48	50	43	50	48	53	48	50	43	53	43	43	53	
		NONE	-	-	16	20	16	56	16	20	16	56	18	20	18	20	18	58	18	20	18	20	18	18	18	58
	STD	108A	6.0	7.2	17	20	16	56	17	20	16	56	17	20	16	20	18	58	20	20	18	58	18	18	18	58
		108A	11.5	13.8	26	30	23	56	26	30	23	56	28	30	26	30	26	58	28	30	26	58	26	26	58	
		108A	14.0	16.8	29	30	27	56	29	30	27	56	32	35	29	35	32	58	32	35	29	58	29	29	58	
		108A+108A	23.0	27.7	43	45	39	56	43	45	39	56	46	50	42	50	46	58	46	50	42	58	42	42	58	
		NONE	-	-	15	20	15	65	15	20	15	65	18	20	18	20	18	67	18	20	18	67	18	18	67	
		108A	6.0	7.2	17	20	16	65	17	20	16	65	17	20	16	20	18	67	17	20	16	67	17	17	67	
MED	108A	11.5	13.8	26	30	23	65	26	30	23	65	28	30	26	30	26	67	28	30	26	67	26	26	67		
	108A	14.0	16.8	29	30	27	65	29	30	27	65	32	35	29	35	32	67	32	35	29	67	29	29	67		
	108A+108A	23.0	27.7	43	45	39	65	43	45	39	65	46	50	42	50	46	67	46	50	42	67	42	42	67		
	NONE	-	-	17	20	17	83	17	20	17	83	19	25	19	25	19	85	19	25	19	85	20	20	85		
	108A	6.0	7.2	19	20	18	83	19	20	18	83	22	25	20	25	22	85	22	25	20	85	20	20	85		
	108A	11.5	13.8	28	30	25	83	28	30	25	83	30	35	28	35	30	85	30	35	28	85	28	28	85		
HIGH	108A	14.0	16.8	31	35	29	83	31	35	29	83	34	35	31	35	34	85	34	35	31	85	31	31	85		
	108A+108A	23.0	27.7	45	45	41	83	45	45	41	83	48	50	44	50	48	85	48	50	44	85	44	44	85		
	NONE	-	-	15	20	16	43	15	20	16	43	17	20	17	20	17	45	17	20	17	45	18	18	45		
	297A	9.2	9.2	22	25	20	43	22	25	20	43	24	25	22	25	24	45	24	25	22	45	22	22	45		
	298A	13.8	13.8	27	30	25	43	27	30	25	43	30	30	27	30	30	45	30	30	27	45	27	27	45		
	NONE	-	-	12	15	12	46	12	15	12	46	14	15	14	15	14	48	14	15	14	48	14	14	48		
DD-STD	297A	9.2	9.2	18	20	16	46	18	20	16	46	20	20	18	20	20	48	20	20	18	48	20	20	48		
	298A	13.8	13.8	24	25	22	46	24	25	22	46	26	30	24	30	26	48	26	30	24	48	26	24	48		
	NONE	-	-	13	15	13	46	13	15	13	46	14	15	14	15	14	48	14	15	14	48	14	15	48		
	297A	9.2	9.2	19	20	17	46	19	20	17	46	21	25	19	25	21	48	21	25	19	48	21	19	48		
	298A	13.8	13.8	24	25	22	46	24	25	22	46	27	30	24	30	27	48	27	30	24	48	27	24	48		
	NONE	-	-	14	15	14	61	14	15	14	61	16	20	16	20	16	63	16	20	16	63	16	16	63		
STD	297A	9.2	9.2	20	20	18	61	20	20	18	61	22	25	20	25	22	63	22	25	20	63	22	20	63		
	298A	13.8	13.8	26	30	23	61	26	30	23	61	28	30	25	30	28	63	28	30	25	63	28	25	63		
	NONE	-	-	14	15	14	61	14	15	14	61	16	20	16	20	16	63	16	20	16	63	16	16	63		
	297A	9.2	9.2	20	20	18	61	20	20	18	61	22	25	20	25	22	63	22	25	20	63	22	20	63		
	298A	13.8	13.8	26	30	23	61	26	30	23	61	28	30	25	30	28	63	28	30	25	63	28	25	63		
	NONE	-	-	14	15	14	61	14	15	14	61	16	20	16	20	16	63	16	20	16	63	16	16	63		

See: "Legend and Notes for Tables 1 - 8" on page 51.

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

UNIT	NO M. V. P. H. 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			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	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA							
50HC+A06	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+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	41	62	45	45	41	62	48	50	43	64	48	50	43	64			
			108A+108A	25.5	30.7	49	44	44	62	49	44	62	49	44	62	51	60	47	64	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	19	25	19	69	19	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	27	67	29	27	67	32	35	29	69	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+108A	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	-	-	17	20	17	86	17	20	17	86	17	20	17	86	20	25	20	88	20	25	20	88				
	108A	6.0	7.2	18	20	17	86	18	20	17	86	18	20	17	86	21	25	20	88	21	25	20	88				
	108A	11.5	13.8	27	30	24	86	27	30	24	86	27	30	24	86	29	30	27	88	29	30	27	88				
	108A	14.0	16.8	30	35	28	86	30	35	28	86	30	35	28	86	33	35	30	88	33	35	30	88				
	108A+108A	23.0	27.7	44	45	40	86	44	45	40	86	44	45	40	86	47	50	43	88	47	50	43	88				
	108A+108A	25.5	30.7	48	44	44	86	48	44	44	86	48	44	44	86	51	60	46	88	51	60	46	88				
HIGH	NONE	-	-	18	20	18	94	20	20	18	94	20	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+108A	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	20	20	16	50	20	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 51.

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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	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE			
FLA	FUSE or HACR BRKR	FLA	LRA	MCA	FUSE or HACR BRKR	FLA	LRA	MCA	FUSE or HACR BRKR	FLA	LRA	MCA	FUSE or HACR BRKR	FLA	LRA	MCA	FUSE or HACR BRKR	FLA	LRA				
50HC+D08	STD	NONE	NONE	-	-	51/51	54/54	220	51/51	60/60	54/54	220	51/51	60/60	54/54	220	56/56	60/60	56/56	225			
		117A	117A	7.8/10.4	21.7/25.0	51/53	54/54	220/220	51/53	60/60	54/54	220/220	51/53	60/60	54/54	220/220	56/59	60/60	56/59	225/225			
		110A	110A	12.0/16.0	33.4/38.5	64/70	58/64	220/220	64/70	70/70	58/64	220/220	64/70	70/70	58/64	220/220	70/76	70/80	70/76	225/225			
		111A	111A	18.6/24.8	51.7/59.7	87/96	79/88	220/220	87/96	90/100	79/88	220/220	87/96	90/100	79/88	220/220	93/102	100/110	93/102	225/225			
		112A	112A	24.0/32.0	66.7/77.0	105/118	96/108	220/220	105/118	110/125	96/108	220/220	105/118	110/125	96/108	220/220	111/124	125/125	111/124	225/225			
		112A+117A	112A+117A	31.8/42.4	88.4/102.0	132/149	121/137	220/220	132/149	150/150	121/137	220/220	132/149	150/150	121/137	220/220	138/155	150/175	138/155	225/225			
		NONE	NONE	-	-	53/53	56/56	241	53/53	60/60	56/56	241	53/53	60/60	56/56	241	58/58	70/70	58/58	246			
		117A	117A	7.8/10.4	21.7/25.0	53/55	56/56	241/241	53/55	60/60	56/56	241/241	53/55	60/60	56/56	241/241	58/61	70/70	58/61	246/246			
		110A	110A	12.0/16.0	33.4/38.5	66/72	60/66	241/241	66/72	70/80	60/66	241/241	66/72	70/80	60/66	241/241	72/78	80/80	72/78	246/246			
		111A	111A	18.6/24.8	51.7/59.7	89/98	81/90	241/241	89/98	90/100	81/90	241/241	89/98	90/100	81/90	241/241	95/104	100/110	95/104	246/246			
		112A	112A	24.0/32.0	66.7/77.0	107/120	98/110	241/241	107/120	110/125	98/110	241/241	107/120	110/125	98/110	241/241	113/126	125/150	113/126	246/246			
112A+117A	112A+117A	31.8/42.4	88.4/102.0	135/151	123/139	241/241	135/151	150/175	123/139	241/241	135/151	150/175	123/139	241/241	141/157	150/175	141/157	246/246					
460-3-60	STD	NONE	NONE	-	-	24	25	110	24	25	110	110	24	25	110	26	30	26	112				
		116A	116A	13.9	16.7	31	28	110	31	35	28	110	31	35	28	110	34	35	112				
		113A	113A	16.5	19.8	35	32	110	35	35	32	110	35	35	32	110	38	40	112				
		114A	114A	27.8	33.4	52	48	110	52	60	48	110	52	60	48	110	55	60	112				
		115A	115A	33.0	39.7	60	55	110	60	60	55	110	60	60	55	110	63	70	112				
		114A+116A	114A+116A	41.7	50.2	73	67	110	73	80	67	110	73	80	67	110	76	80	112				
		NONE	NONE	-	-	25	26	120	25	30	26	120	25	30	26	120	27	30	122				
		116A	116A	13.9	16.7	32	29	120	32	35	29	120	32	35	29	120	35	35	122				
		113A	113A	16.5	19.8	36	33	120	36	40	33	120	36	40	33	120	39	40	122				
		114A	114A	27.8	33.4	53	49	120	53	60	49	120	53	60	49	120	56	60	122				
		115A	115A	33.0	39.7	61	56	120	61	70	56	120	61	70	56	120	64	70	122				
114A+116A	114A+116A	41.7	50.2	74	68	120	74	80	68	120	74	80	68	120	77	80	122						
575-3-60	STD	NONE	NONE	-	-	27	28	135	27	30	28	135	27	30	28	29	30	29	137				
		116A	116A	13.9	16.7	35	32	135	35	35	32	135	35	35	32	135	38	40	137				
		113A	113A	16.5	19.8	39	35	135	39	40	35	135	39	40	35	135	41	45	137				
		114A	114A	27.8	33.4	56	51	135	56	60	51	135	56	60	51	135	58	60	137				
		115A	115A	33.0	39.7	64	58	135	64	70	58	135	64	70	58	135	66	70	137				
		114A+116A	114A+116A	41.7	50.2	77	70	135	77	80	70	135	77	80	70	135	79	80	137				
		NONE	NONE	-	-	18	19	83	18	20	19	83	18	20	19	83	20	25	85				
		118A	118A	17.0	20.4	35	32	83	35	35	32	83	35	35	32	83	37	40	85				
		119A	119A	34.0	40.9	60	55	83	60	60	55	83	60	60	55	83	63	70	85				
		NONE	NONE	-	-	19	20	87	19	20	19	87	19	20	19	87	20	25	89				
		119A	119A	17.0	20.4	35	32	87	35	35	32	87	35	35	32	87	37	40	89				
118A	118A	34.0	40.9	61	56	87	61	70	56	87	61	70	56	87	63	70	89						
HIGH	HIGH	NONE	NONE	-	-	19	21	98	19	20	21	98	19	20	21	21	25	22	100				
		118A	118A	17.0	20.4	36	33	98	36	40	33	98	36	40	33	98	38	40	100				
		119A	119A	34.0	40.9	62	57	98	62	70	57	98	62	70	57	98	64	70	100				
		NONE	NONE	-	-	21	22	100	21	25	22	100	21	25	22	100	21	25	100				
		118A	118A	17.0	20.4	35	32	100	35	35	32	100	35	35	32	100	38	40	100				

See: "Legend and Notes for Tables 1 - 8" on page 51.

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

UNIT	NO M, V, P, H, 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	DISC. SIZE	LRA	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	LRA
50HC-D12	STD	NONE	-	-	-	61/61	70/70	65/65	321	350	61/61	70/70	65/65	321	350	66/66	80/80	66/66	326	355	66/66	80/80	66/66	326	355
		117A	7.8/10.4	21.7/25.0	61/61	70/70	65/65	321/321	350/350	61/61	70/70	65/65	321/321	350/350	66/66	80/80	66/66	326/326	355/355	66/66	80/80	66/66	326/326	355/355	
	MED	110A	12.0/16.0	33.4/38.5	66/72	70/80	66/66	321/321	350/350	66/72	70/80	66/66	321/321	350/350	72/78	80/80	72/78	326/326	355/355	72/78	80/80	72/78	326/326	355/355	
		112A	24.0/32.0	66.7/77.0	107/120	110/125	98/110	321/321	350/350	107/120	110/125	98/110	321/321	350/350	113/126	125/150	113/126	326/326	355/355	113/126	125/150	113/126	326/326	355/355	
	HIGH	112A+117A	31.8/42.4	88.4/102.0	135/151	150/175	123/139	321/321	350/350	135/151	150/175	123/139	321/321	350/350	141/157	150/175	141/157	326/326	355/355	141/157	150/175	141/157	326/326	355/355	
		112A+110A	37.8/50.0	104.2/120.3	154/144	175/150	142/160	321/321	350/350	154/144	175/150	142/160	321/321	350/350	160/150	175/175	160/150	326/326	355/355	160/150	175/175	160/150	326/326	355/355	
	460-3-60	STD	NONE	-	-	-	68/67	80/80	73/72	352	352	68/67	80/80	73/72	352	352	73/72	80/80	73/72	357	357	73/72	80/80	73/72	357
			117A	7.8/10.4	21.7/25.0	68/67	80/80	73/72	352/352	352/352	68/67	80/80	73/72	352/352	352/352	74/79	80/80	73/72	357/357	357/357	74/79	80/80	73/72	357/357	
		MED	119A	12.0/16.0	33.4/38.5	74/79	80/80	73/73	352/352	352/352	74/79	80/80	73/73	352/352	352/352	80/85	80/80	79/78	357/357	357/357	80/85	80/80	79/78	357/357	
			112A	24.0/32.0	66.7/77.0	116/128	125/150	106/117	352/352	352/352	116/128	125/150	106/117	352/352	352/352	122/134	125/150	112/122	357/357	357/357	122/134	125/150	112/122	357/357	
		HIGH	112A+117A	31.8/42.4	88.4/102.0	143/159	150/175	131/146	352/352	352/352	143/159	150/175	131/146	352/352	352/352	149/165	150/175	137/151	357/357	357/357	149/165	150/175	137/151	357/357	
			112A+110A	37.8/50.0	104.2/120.3	163/152	175/175	149/167	352/352	352/352	163/152	175/175	149/167	352/352	352/352	169/158	175/175	155/172	357/357	357/357	169/158	175/175	155/172	357/357	
		575-3-60	STD	NONE	-	-	-	30	35	31	154	154	30	35	31	154	154	32	35	34	156	156	32	35	34
				116A	13.9	16.7	32	35	31	154	154	32	35	31	154	154	33	35	32	35	156	156	33	35	34
MED			113A	16.5	19.8	36	40	33	154	154	36	40	33	154	154	39	40	35	40	156	156	39	40	35	
			115A	33.0	39.7	61	70	56	154	154	61	70	56	154	154	64	70	58	70	156	156	64	70	58	
HIGH			114A+116A	41.7	50.2	74	80	68	154	154	74	80	68	154	154	77	80	70	80	156	156	77	80	70	
			115A+113A	50.0	60.1	72	80	79	154	154	72	80	79	154	154	74	80	82	80	156	156	74	80	82	
50HC-D12			STD	NONE	-	-	-	33	35	34	169	169	33	35	34	169	169	32	35	34	171	171	32	35	34
				116A	13.9	16.7	35	35	34	169	169	35	35	34	169	169	34	35	35	34	171	171	34	35	34
	MED		113A	16.5	19.8	39	40	35	169	169	39	40	35	169	169	41	45	38	40	171	171	38	40	36	
			115A	33.0	39.7	64	70	58	169	169	64	70	58	169	169	66	70	61	71	171	171	66	70	61	
	HIGH		114A+116A	41.7	50.2	77	80	70	169	169	77	80	70	169	169	79	80	73	80	171	171	79	80	73	
			115A+113A	50.0	60.1	74	80	81	169	169	74	80	81	169	169	77	80	84	80	171	171	77	80	84	
	575-3-60		STD	NONE	-	-	-	23	25	25	111	111	23	25	25	111	111	25	30	27	113	113	25	30	27
				118A	17.0	20.4	35	35	32	111	111	35	35	32	111	111	37	40	34	34	113	113	37	40	34
		MED	119A	34.0	40.9	61	70	56	111	111	61	70	56	111	111	63	70	58	63	113	113	63	70	58	
			118A+119A	51.0	61.3	71	80	79	111	111	71	80	79	111	111	73	80	81	73	113	113	73	80	81	
		HIGH	118A+119A	51.0	61.3	24	30	25	122	122	24	30	25	122	122	26	30	27	124	124	26	30	27		
			119A	34.0	40.9	62	70	57	122	122	62	70	57	122	122	64	70	58	64	124	124	64	70	58	
		HIGH	118A+119A	51.0	61.3	72	80	80	122	122	72	80	80	122	122	74	80	82	74	124	124	74	80	82	
			119A	34.0	40.9	65	70	60	136	136	65	70	60	136	136	68	70	62	68	138	138	68	70	62	
HIGH		118A+119A	51.0	61.3	27	30	29	136	136	27	30	29	136	136	29	30	31	29	138	138	29	30	31		
		119A	34.0	40.9	66	70	60	136	136	66	70	60	136	136	68	70	62	68	138	138	68	70	62		
HIGH		118A+119A	51.0	61.3	76	80	83	136	136	76	80	83	136	136	78	80	85	78	138	138	78	80	85		

See: "Legend and Notes for Tables 1 - 8" on page 51.

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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.																					
		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 BRKR	DISC. SIZE FLA LRA	MCA	FUSE or BRKR	DISC. SIZE FLA LRA	MCA	FUSE or BRKR	DISC. SIZE FLA LRA											
50HC*D14	208/230-3-60	STD	NONE	-	-	72/72	80/80	77/77	346	346	346	72/72	80/80	77/77	346	346	346	77/77	80/90	90/90	83/83	351	351	83/83	351		
			291A	12.4/16.5	34.4/39.7	74/81	80/90	77/77	346/346	346/346	346/346	74/81	80/90	77/77	346/346	346/346	346/346	74/81	80/90	90/90	83/83	351/351	351/351	83/83	351/351		
			288A+291A	19.9/26.5	55.3/63.8	100/111	100/125	92/101	346/346	346/346	346/346	100/111	100/125	92/101	346/346	346/346	346/346	100/111	100/125	110/125	97/107	110/125	97/107	351/351	351/351	97/107	351/351
			294A	25.2/33.5	69.9/80.6	119/132	125/150	109/121	346/346	346/346	346/346	119/132	125/150	109/121	346/346	346/346	346/346	119/132	125/150	125/138	125/138	125/138	114/126	114/126	114/126	114/126	114/126
			288A+294A	32.7/43.5	90.7/104.7	145/162	150/175	133/149	346/346	346/346	346/346	145/162	150/175	133/149	346/346	346/346	346/346	145/162	150/175	151/168	151/168	151/168	138/154	138/154	138/154	138/154	138/154
			291A+294A	37.6/50.0	104.3/120.3	162/151	175/175	148/166	346/346	346/346	346/346	162/151	175/175	148/166	346/346	346/346	346/346	162/151	175/175	168/157	168/157	168/157	154/172	154/172	154/172	154/172	154/172
			NONE	-	-	74	80	80	360	360	360	74	80	80	360	360	360	74	80	79	79	79	85	85	85	85	85
			291A	12.4/16.5	34.4/39.7	77/84	80/90	80/80	360/360	360/360	360/360	77/84	80/90	80/80	360/360	360/360	360/360	77/84	80/90	83/90	83/90	83/90	85/85	85/85	85/85	85/85	85/85
			288A+291A	19.9/26.5	55.3/63.8	103/114	110/125	94/104	360/360	360/360	360/360	103/114	110/125	94/104	360/360	360/360	360/360	103/114	110/125	109/120	109/120	109/120	100/110	100/110	100/110	100/110	100/110
			294A	25.2/33.5	69.9/80.6	121/135	125/150	111/123	360/360	360/360	360/360	121/135	125/150	111/123	360/360	360/360	360/360	121/135	125/150	127/141	127/141	127/141	117/129	117/129	117/129	117/129	117/129
288A+294A	32.7/43.5	90.7/104.7	147/165	150/175	135/151	360/360	360/360	360/360	147/165	150/175	135/151	360/360	360/360	360/360	147/165	150/175	153/171	153/171	153/171	141/157	141/157	141/157	141/157	141/157			
291A+294A	37.6/50.0	104.3/120.3	164/154	175/175	151/169	360/360	360/360	360/360	164/154	175/175	151/169	360/360	360/360	360/360	164/154	175/175	170/160	170/160	170/160	156/175	156/175	156/175	156/175	156/175			
460-3-60	208/230-3-60	HIGH	NONE	-	-	85	100	91	366	366	366	85	100	91	366	366	366	85	89	89	96	96	96	96	96		
			291A	12.4/16.5	34.4/39.7	89/96	100/100	91/91	366/366	366/366	366/366	89/96	100/100	91/91	366/366	366/366	366/366	89/96	95/102	95/102	96/96	96/96	96/96	96/96	96/96	96/96	
			288A+291A	19.9/26.5	55.3/63.8	115/126	125/150	106/115	366/366	366/366	366/366	115/126	125/150	106/115	366/366	366/366	366/366	115/126	121/132	121/132	111/121	111/121	111/121	111/121	111/121	111/121	
			294A	25.2/33.5	69.9/80.6	134/147	150/150	122/135	366/366	366/366	366/366	134/147	150/150	122/135	366/366	366/366	366/366	134/147	150/175	140/153	140/153	128/140	128/140	128/140	128/140	128/140	
			288A+294A	32.7/43.5	90.7/104.7	160/177	175/200	146/162	366/366	366/366	366/366	160/177	175/200	146/162	366/366	366/366	366/366	160/177	175/200	166/183	166/183	152/168	152/168	152/168	152/168	152/168	
			291A+294A	37.6/50.0	104.3/120.3	177/166	200/175	162/180	366/366	366/366	366/366	177/166	200/175	162/180	366/366	366/366	366/366	177/166	200/175	183/172	183/172	168/186	168/186	168/186	168/186	168/186	
			NONE	-	-	36	45	38	173	173	173	36	45	38	173	173	173	36	45	38	38	38	41	41	41	41	41
			292A	16.5	19.9	39	45	38	173	173	173	39	45	38	173	173	173	39	45	42	42	42	52	52	52	52	52
			289A+292A	26.5	31.9	54	60	50	173	173	173	54	60	50	173	173	173	54	60	57	57	57	62	62	62	62	62
			295A	33.5	40.3	65	70	59	173	173	173	65	70	59	173	173	173	65	70	68	68	68	76	76	76	76	76
289A+295A	43.5	52.3	80	80	73	173	173	173	80	80	73	173	173	173	80	80	83	83	83	85	85	85	85	85			
292A+295A	50.0	60.2	60.2	80	82	173	173	173	75	80	82	173	173	173	75	80	77	77	77	88	88	88	88	88			
460-3-60	460-3-60	MED	NONE	-	-	42	50	45	183	183	183	42	50	45	183	183	183	42	39	39	42	42	42	42	42		
			292A	16.5	19.9	41	45	39	180	180	180	41	45	39	180	180	180	41	43	43	42	42	42	42	42		
			289A+292A	26.5	31.9	56	60	51	180	180	180	56	60	51	180	180	180	56	58	58	53	53	53	53	53		
			295A	33.5	40.3	66	70	61	180	180	180	66	70	61	180	180	180	66	69	69	63	63	63	63	63	63	
			289A+295A	43.5	52.3	81	90	74	180	180	180	81	90	74	180	180	180	81	84	84	77	77	77	77	77	77	
			292A+295A	50.0	60.2	60.2	80	83	180	180	180	76	80	83	180	180	180	76	79	79	86	86	86	86	86	86	
			NONE	-	-	42	50	45	183	183	183	42	50	45	183	183	183	42	44	44	42	42	42	42	42	42	
			292A	16.5	19.9	47	50	45	183	183	183	47	50	45	183	183	183	47	50	50	47	47	47	47	47	47	
			289A+292A	26.5	31.9	62	70	56	183	183	183	62	70	56	183	183	183	62	65	65	59	59	59	59	59	59	59
			295A	33.5	40.3	72	80	66	183	183	183	72	80	66	183	183	183	72	75	75	69	69	69	69	69	69	
289A+295A	43.5	52.3	87	90	80	183	183	183	87	90	80	183	183	183	87	90	90	82	82	82	82	82	82				
292A+295A	50.0	60.2	60.2	80	89	183	183	183	82	90	89	183	183	183	82	85	85	92	92	92	92	92	92				

See: "Legend and Notes for Tables 1 - 8" on page 51.

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/ ERV, w/o Economizer						w/ ERV, w/ Economizer						w/ PWRD C.O.					
				MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	LRA			
STD		-	NONE	29	35	31	135	135	29	35	31	135	135	31	35	33	137	31	35	33	137
			293A	33	35	31	135	135	33	35	31	135	135	33	35	33	137	35	35	33	137
			290A+293A	45	45	41	135	135	45	45	41	135	135	47	50	43	137	47	50	43	137
			296A	53	60	48	135	135	53	60	48	135	135	55	60	50	137	55	60	50	137
			290A+296A	65	70	59	135	135	65	70	59	135	135	67	70	61	137	67	70	61	137
			293A+296A	61	70	67	135	135	61	70	67	135	135	63	70	69	137	63	70	69	137
MED		-	NONE	29	35	31	135	135	29	35	31	135	135	31	35	33	137	31	35	33	137
			293A	33	35	31	135	135	33	35	31	135	135	35	35	33	137	35	35	33	137
			290A+293A	45	45	41	135	135	45	45	41	135	135	47	50	43	137	47	50	43	137
			296A	53	60	48	135	135	53	60	48	135	135	55	60	50	137	55	60	50	137
			290A+296A	65	70	59	135	135	65	70	59	135	135	67	70	61	137	67	70	61	137
			293A+296A	61	70	67	135	135	61	70	67	135	135	63	70	69	137	63	70	69	137
HIGH		-	NONE	36	40	38	147	147	36	40	38	147	147	38	40	40	149	37	45	40	149
			293A	40	40	38	147	147	40	40	38	147	147	42	45	40	149	42	45	40	149
			290A+293A	52	60	48	147	147	52	60	48	147	147	54	60	50	149	54	60	50	149
			296A	61	70	55	147	147	61	70	55	147	147	63	70	57	149	63	70	57	149
			290A+296A	73	80	67	147	147	73	80	67	147	147	75	80	68	149	75	80	68	149
			293A+296A	69	70	74	147	147	69	70	74	147	147	71	80	76	149	71	80	76	149

See: "Legend and Notes for Tables 1 - 8" on page 51.

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

UNIT	NO M, V-P-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			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*A04	DD-STD	NONE	-	-	16	20	16	47	16	20	16	47	16	47	16	20	16	47	16	20	18	20	18	49	18	49
		106A	6.0	7.2	19	20	17	47	17	20	19	20	17	47	17	20	19	20	17	20	22	25	19	49	22	49
		107A	8.8	10.6	23	25	21	47	23	25	23	25	21	47	23	25	23	30	23	30	26	30	23	49	26	49
		108A	11.5	13.8	27	30	24	47	27	30	24	30	24	47	27	30	24	30	27	30	30	27	30	27	49	30
50HC*A04	STD	NONE	-	-	14	20	14	52	14	20	14	52	14	52	14	20	14	52	14	20	17	20	17	54	17	54
		106A	6.0	7.2	17	20	15	52	17	20	15	52	17	52	17	20	15	52	17	20	20	20	18	54	20	54
		107A	8.8	10.6	21	25	19	52	21	25	19	52	21	52	21	25	19	52	21	25	24	25	22	54	24	54
		108A	11.5	13.8	25	25	23	52	25	25	23	23	52	25	25	23	30	30	25	25	28	30	25	54	28	54
50HC*A04	MED	NONE	-	-	14	20	14	52	14	20	14	52	14	52	14	20	14	52	14	20	17	20	17	54	17	54
		106A	6.0	7.2	17	20	15	52	17	20	15	52	17	52	17	20	15	52	17	20	20	20	18	54	20	54
		107A	8.8	10.6	21	25	19	52	21	25	19	52	21	52	21	25	19	52	21	25	24	25	22	54	24	54
		108A	11.5	13.8	25	25	23	52	25	25	23	23	52	25	25	23	30	30	25	25	28	30	25	54	28	54
50HC*A04	HIGH	NONE	-	-	15	20	15	71	15	20	15	71	15	71	15	20	15	71	15	20	17	20	17	73	17	73
		106A	6.0	7.2	18	20	16	71	18	20	16	71	18	71	18	20	16	71	18	20	21	21	19	73	21	73
		107A	8.8	10.6	22	25	20	71	22	25	20	71	22	71	22	25	20	71	22	25	25	25	23	73	25	73
		108A	11.5	13.8	26	30	24	71	26	30	24	71	26	71	26	30	24	71	26	30	29	29	26	73	29	73
50HC*A04	DD-STD	NONE	-	-	15	20	15	71	15	20	15	71	15	71	15	20	15	71	15	20	17	20	17	73	17	73
		297A	9.2	9.2	24	25	21	47	24	25	21	47	24	47	24	25	21	47	24	25	26	30	23	49	26	49
		298A	13.8	13.8	29	30	27	47	29	30	27	47	29	47	29	30	27	47	29	30	31	35	28	49	31	49
		NONE	-	-	12	15	12	50	12	15	12	50	12	50	12	15	12	50	12	15	14	15	14	52	14	52
50HC*A04	STD	297A	9.2	9.2	20	20	18	50	20	20	18	50	20	50	20	20	18	50	20	22	22	25	20	52	22	52
		298A	13.8	13.8	26	30	23	50	26	30	23	50	26	50	26	30	23	50	26	28	28	30	25	52	28	52
		NONE	-	-	12	15	12	50	12	15	12	50	12	50	12	15	12	50	12	14	14	15	14	52	14	52
		297A	9.2	9.2	20	20	18	50	20	20	18	50	20	50	20	20	18	50	20	22	22	25	20	52	22	52
50HC*A04	MED	298A	13.8	13.8	26	30	23	50	26	30	23	50	26	50	26	30	23	50	26	28	28	30	25	52	28	52
		NONE	-	-	12	15	12	50	12	15	12	50	12	50	12	15	12	50	12	14	14	15	14	52	14	52
		297A	9.2	9.2	20	20	18	50	20	20	18	50	20	50	20	20	18	50	20	22	22	25	20	52	22	52
		298A	13.8	13.8	26	30	23	50	26	30	23	50	26	50	26	30	23	50	26	28	28	30	25	52	28	52
50HC*A04	HIGH	NONE	-	-	13	15	13	54	13	15	13	54	13	54	13	15	13	54	13	15	15	20	15	56	15	56
		297A	9.2	9.2	21	25	19	54	21	25	19	54	21	54	21	25	19	54	21	23	23	25	21	56	23	56
		298A	13.8	13.8	27	30	24	54	27	30	24	54	27	54	27	30	24	54	27	29	29	30	26	56	29	56
		NONE	-	-	13	15	13	54	13	15	13	54	13	54	13	15	13	54	13	15	15	20	15	56	15	56

See: "Legend and Notes for Tables 1 - 8" on page 51.

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

UNIT	NO M, V-P-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	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	DD-STD	NONE	-	-	17	20	17	17	51	51	17	20	17	17	51	51	17	20	19	19	25	25	19	25	20	53
		108A	6.0	7.2	19	20	17	17	51	51	19	20	17	17	51	51	19	20	22	22	25	25	22	25	20	53
		108A	11.5	13.8	27	30	25	30	51	51	27	30	30	30	27	30	30	30	30	30	30	30	30	30	27	53
		108A	14.0	16.8	31	35	28	35	51	51	31	35	35	35	28	34	34	35	34	34	34	35	34	34	31	53
		108A+108A	23.0	27.7	45	45	41	45	51	51	45	45	45	45	41	48	48	50	48	48	48	50	48	48	43	53
		NONE	-	-	16	20	16	20	56	56	16	20	20	20	16	56	56	18	20	18	18	20	18	18	18	58
		108A	6.0	7.2	17	20	16	20	56	56	17	20	20	20	16	56	56	20	20	20	20	20	20	20	20	58
		108A	11.5	13.8	26	30	23	30	56	56	26	30	30	30	23	56	56	28	30	28	28	30	28	28	26	58
		108A	14.0	16.8	29	30	27	30	56	56	29	30	30	30	27	56	56	32	35	32	32	35	32	32	29	58
		108A+108A	23.0	27.7	43	45	39	45	56	56	43	45	45	45	39	56	56	46	50	46	46	50	46	46	42	58
460-3-60	MED	NONE	-	-	15	20	15	15	65	65	15	20	15	15	65	65	18	20	18	18	20	18	18	18	67	
		108A	6.0	7.2	17	20	16	20	65	65	17	20	20	20	16	65	65	20	20	20	20	20	20	18	67	
		108A	11.5	13.8	26	30	23	30	65	65	26	30	30	30	23	65	65	28	30	28	30	28	28	26	67	
		108A	14.0	16.8	29	30	27	30	65	65	29	30	30	30	27	65	65	32	35	32	35	32	32	29	67	
		108A+108A	23.0	27.7	43	45	39	45	65	65	43	45	45	45	39	65	65	46	50	46	46	50	46	46	42	67
		NONE	-	-	17	20	17	20	83	83	17	20	20	20	17	83	83	19	25	19	19	25	19	19	20	85
		108A	6.0	7.2	19	20	18	20	83	83	19	20	20	20	18	83	83	22	25	22	22	25	22	22	20	85
		108A	11.5	13.8	28	30	25	30	83	83	28	30	30	30	25	83	83	30	35	30	30	35	30	30	28	85
		108A	14.0	16.8	31	35	29	35	83	83	31	35	35	35	29	83	83	34	40	34	34	40	34	34	31	85
		108A+108A	23.0	27.7	45	45	41	45	83	83	45	45	45	45	41	83	83	48	50	48	48	50	48	48	44	85
575-3-60	DD-STD	NONE	-	-	15	20	16	16	43	43	16	20	16	16	43	43	17	20	17	17	20	17	17	17	45	
		297A	9.2	9.2	22	25	20	25	43	43	22	25	25	25	20	43	43	24	25	24	25	24	24	22	45	
		298A	13.8	13.8	27	30	25	30	43	43	27	30	30	30	25	43	43	30	30	30	30	30	30	27	45	
		NONE	-	-	12	15	12	15	46	46	12	15	15	15	12	46	46	14	15	14	15	15	15	14	48	
		297A	9.2	9.2	18	20	16	20	46	46	18	20	20	20	16	46	46	20	20	20	20	20	20	20	18	48
		298A	13.8	13.8	24	25	22	25	46	46	24	25	25	25	22	46	46	26	30	26	26	30	26	26	24	48
		NONE	-	-	13	15	13	15	46	46	13	15	15	15	13	46	46	14	14	14	14	14	14	14	15	48
		297A	9.2	9.2	19	20	17	20	46	46	19	20	20	20	17	46	46	21	25	21	21	25	21	21	19	48
		298A	13.8	13.8	24	25	22	25	46	46	24	25	25	25	22	46	46	27	30	27	27	30	27	27	24	48
		HIGH	MED	NONE	-	-	14	15	14	14	61	61	14	15	14	14	61	61	16	20	16	16	20	16	16	16
297A	9.2			9.2	20	20	18	20	61	61	20	20	20	20	18	61	61	22	25	22	25	22	22	20	63	
297A	9.2			9.2	20	20	18	20	61	61	20	20	20	20	18	61	61	22	25	22	25	22	22	20	63	
298A	13.8			13.8	26	30	23	30	61	61	26	30	30	30	23	61	61	28	30	28	30	28	28	25	63	

See: "Legend and Notes for Tables 1 - 8" on page 51.

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

UNIT	NO M, V-P-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			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												
50HC*A06	460-3-60	DD-STD	NONE	-	-	18	20	18	18	20	18	62	62	18	20	18	62	62	20	25	21	64	64	21	25	21	64	64	
			108A	6.0	7.2	19	20	18	18	20	19	62	62	18	20	19	62	62	22	25	21	64	64	21	25	21	64	64	
			108A	11.5	13.8	27	30	25	25	30	27	62	62	25	30	27	62	62	30	30	30	27	64	64	27	30	27	64	64
			108A	14.0	16.8	31	35	28	31	35	28	62	62	28	31	35	28	62	62	34	35	31	64	64	31	35	31	64	64
			108A+108A	23.0	27.7	45	45	41	45	45	41	62	62	41	45	45	41	62	62	48	50	43	64	64	43	50	43	64	64
			108A+108A	25.5	30.7	49	50	44	49	50	44	62	62	44	49	50	44	62	62	51	60	47	64	64	47	60	47	64	64
	460-3-60	STD	NONE	-	-	17	20	16	16	20	16	67	67	16	20	16	67	67	19	25	19	69	69	19	25	19	69	69	
			108A	6.0	7.2	17	20	16	16	20	17	67	67	16	20	16	67	67	19	25	19	69	69	19	25	19	69	69	
			108A	11.5	13.8	26	30	23	26	30	23	67	67	23	30	26	67	67	28	30	26	69	69	26	30	26	69	69	
			108A	14.0	16.8	29	30	27	29	30	27	67	67	27	30	27	67	67	32	35	29	69	69	29	35	29	69	69	
			108A+108A	23.0	27.7	43	45	39	43	45	39	67	67	39	45	43	67	67	46	50	42	69	69	42	50	42	69	69	
			108A+108A	25.5	30.7	47	50	43	47	50	43	67	67	43	47	47	50	43	67	67	50	50	45	69	69	45	50	45	69
50HC*A06	460-3-60	MED	NONE	-	-	17	20	17	17	20	17	86	86	17	20	17	86	86	20	25	20	88	88	20	25	20	88	88	
			108A	6.0	7.2	18	20	17	18	20	17	86	86	17	20	17	86	86	21	25	20	88	88	21	25	20	88	88	
			108A	11.5	13.8	27	30	24	27	30	24	86	86	24	30	27	86	86	29	30	27	88	88	29	30	27	88	88	
			108A	14.0	16.8	30	35	28	30	35	28	86	86	28	35	28	86	86	33	35	30	88	88	30	35	30	88	88	
			108A+108A	23.0	27.7	44	45	40	44	45	40	86	86	40	45	40	86	86	47	50	43	88	88	47	50	43	88	88	
			108A+108A	25.5	30.7	48	50	44	48	50	44	86	86	44	48	48	50	44	86	86	51	60	46	88	88	46	60	46	88
50HC*A06	575-3-60	DD-STD	NONE	-	-	18	20	18	18	20	18	94	94	18	20	18	94	94	20	25	21	96	96	20	25	21	96	96	
			108A	6.0	7.2	19	20	18	19	20	18	94	94	18	20	18	94	94	22	25	21	96	96	22	25	21	96	96	
			108A	11.5	13.8	28	30	25	28	30	25	94	94	25	30	28	94	94	30	35	28	96	96	30	35	28	96	96	
			108A	14.0	16.8	31	35	29	31	35	29	94	94	29	35	29	94	94	34	35	31	96	96	34	35	31	96	96	
			108A+108A	23.0	27.7	45	45	41	45	45	41	94	94	41	45	41	94	94	48	50	44	96	96	48	50	44	96	96	
			108A+108A	25.5	30.7	49	50	45	49	50	45	94	94	45	49	49	50	45	94	94	52	60	47	96	96	47	60	47	96
575-3-60	DD-STD	NONE	-	-	16	20	16	16	20	16	50	50	16	20	16	50	50	17	20	18	52	52	17	20	18	52	52		
		108A	13.8	16.8	27	30	25	27	30	25	50	50	25	30	27	50	50	30	30	27	52	52	30	30	27	52	52		
		108A	23.0	28.1	39	40	36	39	40	36	50	50	36	40	36	50	50	41	45	38	52	52	41	45	38	52	52		
		NONE	-	-	13	15	13	13	15	13	53	53	13	15	13	53	53	14	20	15	55	55	14	20	15	55	55		
		108A	13.8	16.8	24	25	22	24	25	22	53	53	22	25	22	53	53	26	30	24	55	55	26	30	24	55	55		
		108A	23.0	28.1	36	40	32	36	40	32	53	53	32	40	32	53	53	38	40	34	55	55	38	40	34	55	55		
575-3-60	STD	NONE	-	-	14	15	14	14	15	14	57	57	14	15	14	57	57	15	20	16	59	59	15	20	16	59	59		
		108A	13.8	16.8	25	25	23	25	25	23	57	57	23	25	23	57	57	27	30	25	59	59	27	30	25	59	59		
		108A	23.0	28.1	37	40	33	37	40	33	57	57	33	40	33	57	57	39	40	35	59	59	39	40	35	59	59		
		NONE	-	-	14	15	14	14	15	14	68	68	14	15	14	68	68	16	20	16	70	70	16	20	16	70	70		
		108A	13.8	16.8	26	30	23	26	30	23	68	68	23	30	23	68	68	28	30	25	70	70	28	30	25	70	70		
		108A	23.0	28.1	38	40	34	38	40	34	68	68	34	40	34	68	68	40	40	36	70	70	40	40	36	70	70		

See: "Legend and Notes for Tables 1 - 8" on page 51.

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.												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			w/ ERV, w/ Economizer			w/ ERV, w/ Economizer							
				MCA	HACR BRKR	DISC. SIZE	MCA	HACR BRKR	DISC. SIZE	MCA	HACR BRKR	DISC. SIZE	MCA	HACR BRKR	DISC. SIZE	MCA	HACR BRKR	DISC. SIZE	MCA	HACR BRKR	DISC. SIZE	FLA	DISC. SIZE	LRA			
						FLA			FLA		FLA		FLA		FLA		FLA		FLA		FLA		FLA				
50HC*A07	NO M, V-PH-HZ	STD	NONE	-	-	41/40	50/50	173	40/40	50/50	41/40	173	40/40	50/50	41/40	173	45/45	60/60	45/45	60/60	45/45	60/60	46/46	178	46/46		
			264A	4.9/6.5	13.6/15.6	41/40	50/50	173/173	40/40	50/50	41/40	173/173	40/40	50/50	41/40	173/173	40/40	50/50	45/45	60/60	45/45	60/60	45/45	60/60	46/46	178/178	46/46
			117A	7.8/10.4	21.7/25.0	41/44	50/50	173/173	48/48	54/54	41/44	50/50	41/44	173/173	48/48	54/54	41/44	50/50	54/54	60/60	54/54	60/60	54/54	60/60	46/49	178/178	46/49
			110A	12.0/16.0	33.4/38.5	54/59	70/70	173/173	65/65	70/70	54/59	70/70	54/59	173/173	65/65	70/70	54/59	70/70	71/71	80/80	71/71	80/80	71/71	80/80	59/65	178/178	59/65
			117A+117A	15.8/21.0	43.8/50.5	66/73	80/80	173/173	80/80	80/80	66/73	80/80	66/73	173/173	80/80	80/80	66/73	80/80	86/86	90/90	71/79	86/86	90/90	71/79	86/86	178/178	71/79
			110A+117A	19.9/26.5	55.2/63.8	79/88	100/100	173/173	96/96	100/100	79/88	100/100	79/88	173/173	96/96	100/100	79/88	100/100	102/102	110/110	84/94	102/102	110/110	84/94	102/102	178/178	84/94
	460-3-60	STD	NONE	-	-	20	25	20	20	20	20	20	88	20	25	20	20	23	30	23	30	23	30	23	90	23	
			265A	6.0	7.2	20	25	88	20	25	20	25	20	88	20	25	20	20	23	30	23	30	23	90	23		
			266A	11.5	13.8	26	30	88	26	30	23	30	23	88	26	30	23	28	30	26	30	26	30	26	90	26	
			267A	14.0	16.8	29	30	88	29	30	27	30	27	88	29	30	27	32	35	29	30	29	30	29	90	29	
			268A	23.0	27.7	43	45	88	43	45	39	45	39	88	43	45	39	46	50	42	40	42	40	42	90	42	
			269A	25.5	30.7	47	50	88	47	50	43	50	43	88	47	50	43	49	50	45	49	50	45	49	90	45	
575-3-60	STD	NONE	-	-	22	30	22	22	22	22	22	106	22	30	22	22	24	30	25	30	25	30	25	108	25		
		265A	6.0	7.2	22	30	106	22	30	22	30	22	106	22	30	22	24	30	25	30	25	30	25	108	25		
		266A	11.5	13.8	28	30	106	28	30	25	30	25	106	28	30	25	28	30	28	30	28	30	28	108	28		
		267A	14.0	16.8	31	35	106	31	35	29	35	29	106	31	35	29	34	35	31	30	31	30	31	108	31		
		268A	23.0	27.7	45	45	106	45	45	41	45	41	106	45	45	41	48	50	44	44	44	44	44	108	44		
		269A	25.5	30.7	49	50	106	49	50	45	50	45	106	49	50	45	52	50	47	50	47	50	47	108	47		

See: "Legend and Notes for Tables 1 – 8" on page 51.

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

UNIT	NO M. V-P-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			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*D14	208/230-3-60	STD	NONE	-	-	72/72	80/80	71/77	346	72/72	80/80	71/77	346	71/77	77/77	77/77	90/90	83/83	351	77/77	90/90	83/83	351	83/83	351	
			291A	12.4/16.5	34.4/39.7	81/81	90/90	71/77	346/346	81/81	90/90	71/77	346/346	81/81	90/90	71/77	346/346	81/81	90/90	351/351	87/87	90/90	83/83	351/351	83/83	351/351
			288A+291A	19.9/26.5	55.3/63.8	111/111	125/125	92/101	346/346	111/111	125/125	92/101	346/346	111/111	125/125	92/101	346/346	111/111	125/125	351/351	117/117	150/150	97/107	351/351	97/107	351/351
			294A	25.2/33.5	69.9/80.6	132/132	150/150	109/121	346/346	132/132	150/150	109/121	346/346	132/132	150/150	109/121	346/346	132/132	150/150	351/351	138/138	150/150	114/126	351/351	114/126	351/351
			288A+294A	32.7/43.5	90.7/104.7	162/162	175/175	133/149	346/346	162/162	175/175	133/149	346/346	162/162	175/175	133/149	346/346	162/162	175/175	351/351	168/168	175/175	138/154	351/351	138/154	351/351
			291A+294A	37.6/50.0	104.3/120.3	162/162	175/175	148/166	346/346	162/162	175/175	148/166	346/346	162/162	175/175	148/166	346/346	162/162	175/175	351/351	168/168	175/175	154/172	351/351	154/172	351/351
	208/230-3-60	MED	NONE	-	-	74	80	80	360	74	80	80	360	80	80	80	79	90	85	365	79	90	85	365	85	365
			291A	12.4/16.5	34.4/39.7	84/84	90/90	80/80	360/360	84/84	90/90	80/80	360/360	84/84	90/90	80/80	360/360	84/84	90/90	365/365	90/90	90/90	85/85	365/365	85/85	365/365
			288A+291A	19.9/26.5	55.3/63.8	114/114	125/125	94/104	360/360	114/114	125/125	94/104	360/360	114/114	125/125	94/104	360/360	114/114	125/125	365/365	120/120	125/125	100/110	365/365	100/110	365/365
			294A	25.2/33.5	69.9/80.6	135/135	150/150	111/123	360/360	135/135	150/150	111/123	360/360	135/135	150/150	111/123	360/360	135/135	150/150	365/365	141/141	150/150	117/129	365/365	117/129	365/365
			288A+294A	32.7/43.5	90.7/104.7	165/165	175/175	135/151	360/360	165/165	175/175	135/151	360/360	165/165	175/175	135/151	360/360	165/165	175/175	365/365	171/171	175/175	141/157	365/365	141/157	365/365
			291A+294A	37.6/50.0	104.3/120.3	164/164	175/175	151/169	360/360	164/164	175/175	151/169	360/360	164/164	175/175	151/169	360/360	164/164	175/175	365/365	170/170	175/175	156/175	365/365	156/175	365/365
460-3-60	460-3-60	STD	NONE	-	-	36	45	38	173	36	45	38	173	38	39	38	45	41	175	38	45	41	175	41	175	
			292A	16.5	19.9	39	45	38	366/366	39	45	38	366/366	39	45	38	366/366	39	45	42	45	45	42	45	42	
			289A+292A	26.5	31.9	54	60	50	366/366	126/126	150/150	106/115	366/366	126/126	150/150	106/115	366/366	126/126	150/150	371/371	132/132	150/150	111/121	371/371	111/121	371/371
			295A	33.5	40.3	65	70	59	366/366	147/147	150/150	122/135	366/366	147/147	150/150	122/135	366/366	147/147	150/150	371/371	153/153	175/175	128/140	371/371	128/140	371/371
			289A+295A	43.5	52.3	80	80	73	366/366	177/177	200/200	146/162	366/366	177/177	200/200	146/162	366/366	177/177	200/200	371/371	183/183	200/200	152/168	371/371	152/168	371/371
			292A+295A	50.0	60.2	75	80	82	366/366	177/177	200/200	162/180	366/366	177/177	200/200	162/180	366/366	177/177	200/200	371/371	183/183	200/200	168/186	371/371	168/186	371/371
	460-3-60	MED	NONE	-	-	37	45	39	180	37	45	39	180	39	39	39	45	42	182	39	45	42	182	42	182	
			292A	16.5	19.9	41	45	39	180	180	180	41	45	39	180	39	39	45	42	182	43	45	45	42	45	
			289A+292A	26.5	31.9	56	60	51	180	180	180	56	60	51	180	51	51	60	53	182	58	60	60	53	182	
			295A	33.5	40.3	66	70	61	180	180	180	66	70	61	180	61	61	70	63	182	69	70	70	63	182	
			289A+295A	43.5	52.3	81	90	74	180	180	180	81	90	74	180	74	74	80	77	182	84	90	84	77	182	
			292A+295A	50.0	60.2	76	80	83	180	180	180	76	80	83	180	83	83	80	86	182	79	80	80	86	182	
460-3-60	HIGH	NONE	-	-	42	50	45	183	42	50	45	183	45	45	44	50	47	185	44	50	47	185	47	185		
		292A	16.5	19.9	47	50	45	183	183	183	47	50	45	183	45	45	50	47	185	50	50	50	47	185		
		289A+292A	26.5	31.9	62	70	56	183	183	183	62	70	56	183	56	56	70	59	185	65	70	70	59	185		
		295A	33.5	40.3	72	80	66	183	183	183	72	80	66	183	66	66	80	69	185	75	80	80	69	185		
		289A+295A	43.5	52.3	87	90	80	183	183	183	87	90	80	183	80	80	90	82	185	90	90	90	82	185		
		292A+295A	50.0	60.2	82	90	89	183	183	183	82	90	89	183	89	89	90	92	185	85	90	90	92	185		

See: "Legend and Notes for Tables 1 - 8" on page 51.

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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)	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						
50HC-D14	575-3-60	STD	NONE	29	35	31	135	29	35	31	135	31	135	31	135	31	137	31	35	33	137	
			293A	33	35	31	135	33	35	31	135	33	135	33	137	35	35	33	35	33	137	
			290A+293A	45	45	41	135	45	45	41	135	47	50	43	137	47	50	43	47	50	43	137
			296A	53	60	48	135	53	60	48	135	55	60	50	137	55	60	50	55	60	50	137
			290A+296A	65	70	59	135	65	70	59	135	67	70	61	137	67	70	61	67	70	61	137
			293A+296A	61	70	67	135	61	70	67	135	63	70	69	137	63	70	69	63	70	69	137
50HC-D14	575-3-60	MED	NONE	29	35	31	135	29	35	31	135	29	35	31	135	29	35	31	35	33	137	
			293A	33	35	31	135	33	35	31	135	33	35	31	135	33	35	31	35	33	137	
			290A+293A	45	45	41	135	45	45	41	135	45	45	41	135	47	50	43	47	50	43	137
			296A	53	60	48	135	53	60	48	135	53	60	48	135	55	60	50	55	60	50	137
			290A+296A	65	70	59	135	65	70	59	135	65	70	59	135	67	70	61	67	70	61	137
			293A+296A	61	70	67	135	61	70	67	135	61	70	67	135	63	70	69	63	70	69	137
50HC-D14	575-3-60	HIGH	NONE	36	40	38	147	36	40	38	147	36	40	38	147	37	45	40	37	45	40	149
			293A	40	40	38	147	40	40	38	147	40	40	38	147	42	45	40	42	45	40	149
			290A+293A	52	60	48	147	52	60	48	147	52	60	48	147	54	60	50	54	60	50	149
			296A	61	70	55	147	61	70	55	147	61	70	55	147	63	70	57	63	70	57	149
			290A+296A	73	80	67	147	73	80	67	147	73	80	67	147	75	80	68	75	80	68	149
			293A+296A	69	70	74	147	69	70	74	147	69	70	74	147	71	80	76	71	80	76	149

See: "Legend and Notes for Tables 1 - 8 " on page 51.

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

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	FUSE or BRKR	DISC. SIZE	MCA	FUSE or BRKR	DISC. SIZE	MCA	FUSE or BRKR	DISC. SIZE	MCA	FUSE or BRKR	DISC. SIZE	
FLA	FLA	FLA	FLA	FLA	FLA	LRA	FLA	FLA	FLA	FLA	LRA	FLA	FLA	FLA	LRA		
STD	NONE	7.8/10.4	21.7/25.0	-	55/55	207	52/52	60/60	55/55	207	57/56	211	58/58	70/70	62/62	216	
		117A	7.8/10.4	21.7/25.0	55/55	207/207	52/54	60/60	55/55	207/207	57/56	211	58/58	70/70	62/62	216	
MED	NONE	12.0/16.0	33.4/38.5	64/71	59/64	207/207	64/71	70/80	59/64	207/207	70/80	60/60	60/60	60/60	60/60	60/60	60/60
		110A	12.0/16.0	33.4/38.5	64/71	59/64	207/207	64/71	70/80	59/64	207/207	70/80	60/60	60/60	60/60	60/60	60/60
		111A	18.6/24.8	51.7/59.7	87/97	80/89	207/207	87/97	90/100	80/89	207/207	90/100	100/110	93/103	100/110	85/94	212/212
		112A	24.0/32.0	66.7/77.0	106/119	97/109	207/207	106/119	110/125	97/109	207/207	110/125	125/125	112/125	125/125	103/114	212/212
		112A+117A	31.8/42.4	88.4/102.0	133/150	122/138	207/207	133/150	150/150	122/138	207/207	150/150	150/175	139/156	150/175	128/143	212/212
		117A	7.8/10.4	21.7/25.0	53/53	57/56	211	53/53	60/60	57/56	211	58/58	211	58/58	70/70	62/62	216
HIGH	NONE	12.0/16.0	33.4/38.5	66/72	60/66	211/211	66/72	70/80	60/66	211/211	72/78	211/211	72/78	80/80	66/71	216/216	
		110A	12.0/16.0	33.4/38.5	66/72	60/66	211/211	66/72	70/80	60/66	211/211	72/78	211/211	72/78	80/80	66/71	216/216
		111A	18.6/24.8	51.7/59.7	89/99	81/90	211/211	89/99	90/100	81/90	211/211	95/105	100/110	95/105	100/110	87/96	216/216
		112A	24.0/32.0	66.7/77.0	108/120	99/110	211/211	108/120	110/125	99/110	211/211	114/126	125/150	114/126	125/150	104/116	216/216
		112A+117A	31.8/42.4	88.4/102.0	135/151	124/139	211/211	135/151	150/175	124/139	211/211	141/157	150/175	141/157	150/175	129/144	216/216
		117A	7.8/10.4	21.7/25.0	57/56	61/60	261	57/56	60/60	61/60	261	62/61	261	62/61	70/70	66/65	266
STD	NONE	13.9	16.7	32	29	103	32	35	29	103	35	103	35	35	31	105	
		116A	13.9	16.7	32	29	103	32	35	29	103	35	103	35	31	105	
		113A	16.5	19.8	36	32	103	36	40	32	103	38	103	38	35	105	
		114A	27.8	33.4	53	48	103	53	60	48	103	55	60	55	51	105	
		115A	33.0	39.7	61	55	103	61	70	55	103	63	70	63	58	105	
		114A+116A	41.7	50.2	74	67	103	74	80	67	103	76	80	76	70	105	
MED	NONE	13.9	16.7	33	30	106	33	35	30	106	36	106	36	30	29	108	
		116A	13.9	16.7	33	30	106	33	35	30	106	36	106	36	30	108	
		113A	16.5	19.8	37	33	106	37	40	33	106	40	40	40	36	108	
		114A	27.8	33.4	54	49	106	54	60	49	106	57	60	57	52	108	
		115A	33.0	39.7	62	56	106	62	70	56	106	64	70	64	59	108	
		114A+116A	41.7	50.2	75	68	106	75	80	68	106	78	80	78	71	108	
STD	NONE	17.0	20.4	36	33	85	36	40	33	85	38	85	38	30	22	87	
		118A	17.0	20.4	36	33	85	36	40	33	85	38	85	38	30	22	87
		119A	34.0	40.9	62	57	85	62	70	57	85	64	70	64	58	87	
		119A	34.0	40.9	62	57	85	62	70	57	85	64	70	64	58	87	
		119A	34.0	40.9	62	57	85	62	70	57	85	64	70	64	58	87	
		119A	34.0	40.9	62	57	85	62	70	57	85	64	70	64	58	87	
HIGH	NONE	17.0	20.4	37	34	89	37	40	34	89	39	89	39	25	23	91	
		118A	17.0	20.4	37	34	89	37	40	34	89	39	89	39	25	23	91
		119A	34.0	40.9	63	57	89	63	70	57	89	65	70	65	59	91	
		119A	34.0	40.9	63	57	89	63	70	57	89	65	70	65	59	91	
		119A	34.0	40.9	63	57	89	63	70	57	89	65	70	65	59	91	
		119A	34.0	40.9	63	57	89	63	70	57	89	65	70	65	59	91	

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See: "Legend and Notes for Tables 1 - 8" on page 51.

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

Table with columns: UNIT, NO M.V-PH-HZ, IFM TYPE, ELEC. HTR (CRHEATER**A00, Nom (kW), FLA), 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. Rows include models like 50HC*D12 and 50HC*3-60.

See: Legend and Notes for Tables 1 - 8 * on page 51.

Table 7 - 50HC with Electric Heat, ERV and 2-Speed Indoor Fan Option (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		w/ ERV, w/o Economizer		w/ ERV, w/ Economizer						
IFM TYPE	FLA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA	DISC. SIZE LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA	DISC. SIZE LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA	DISC. SIZE LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA	DISC. SIZE LRA				
																		FLA	LRA	FLA	LRA
50HC*D14	STD	NONE	-	72/72	80/80	77/76	327	77/76	327	77/76	327	77/76	327	77/76	80/90	83/82	332	83/82	332	332/332	
		291A	12.4/16.5	34.4/39.7	74/80	80/80	77/76	327/327	80/80	77/76	327/327	80/80	77/76	327/327	80/86	83/82	332/332	83/82	332/332	83/82	332/332
		288A+291A	19.9/26.5	55.3/63.8	101/110	110/110	92/101	327/327	110/110	92/101	327/327	107/116	110/125	332/332	107/116	98/106	332/332	98/106	332/332	98/106	332/332
	MED	294A	25.2/33.5	69.9/80.6	119/131	125/150	109/120	327/327	125/150	109/120	327/327	125/137	125/150	332/332	125/137	114/126	332/332	114/126	332/332	114/126	332/332
		288A+294A	32.7/43.5	90.7/104.7	145/161	150/175	133/148	327/327	150/175	133/148	327/327	151/167	175/175	332/332	151/167	138/153	332/332	138/153	332/332	138/153	332/332
		291A+294A	37.9/50.0	104.3/120.3	162/151	175/175	148/166	327/327	162/151	148/166	327/327	168/157	175/175	332/332	168/157	154/171	332/332	154/171	332/332	154/171	332/332
	HIGH	NONE	-	85	85/74	80/80	80/79	351	80/79	351	80/79	351	80/79	351	80/90	85/84	356	85/84	356	85/84	356
		291A	12.4/16.5	34.4/39.7	77/83	80/80	80/79	351/351	80/80	80/79	351/351	83/89	90/90	356/356	83/89	85/84	356/356	85/84	356/356	85/84	356/356
		288A+291A	19.9/26.5	55.3/63.8	103/113	110/125	95/103	351/351	110/125	95/103	351/351	109/119	110/125	356/356	109/119	100/109	356/356	100/109	356/356	100/109	356/356
STD	294A	25.2/33.5	69.9/80.6	122/134	125/150	111/123	351/351	125/150	111/123	351/351	128/140	150/150	356/356	128/140	117/128	356/356	117/128	356/356	117/128	356/356	
	288A+294A	32.7/43.5	90.7/104.7	148/164	150/175	135/150	351/351	150/175	135/150	351/351	154/170	175/175	356/356	154/170	141/156	356/356	141/156	356/356	141/156	356/356	
	291A+294A	37.9/50.0	104.3/120.3	165/153	175/175	151/168	351/351	175/175	151/168	351/351	171/159	175/175	356/356	171/159	156/174	356/356	156/174	356/356	156/174	356/356	
460-3-60	STD	NONE	-	36	40	38	164	38	164	36	40	38	164	38	45	40	166	40	166	40	
		292A	16.5	34.4/39.7	39	40	38	164	38	164	39	40	38	164	42	45	166	42	166	40	
		288A+292A	26.5	55.3/63.8	54	60	49	164	60	50	55	60	49	164	57	60	166	57	166	52	
	MED	295A	33.5	69.9/80.6	64	70	59	164	70	60	66	70	59	164	67	70	166	67	166	61	
		288A+295A	43.5	90.7/104.7	79	80	73	164	80	74	81	90	74	176	82	90	166	82	166	75	
		292A+295A	50.0	104.3/120.3	74	80	82	164	80	83	76	80	82	164	77	80	166	77	166	84	
	HIGH	NONE	-	37	37	45	176	39	176	37	45	39	176	39	45	45	178	39	45	41	
		292A	16.5	34.4/39.7	40	45	39	176	40	45	39	45	39	176	43	45	178	43	45	41	
		288A+292A	26.5	55.3/63.8	55	60	50	176	60	50	55	60	50	176	58	60	178	58	60	53	
HIGH	295A	33.5	69.9/80.6	72	80	66	183	80	66	72	80	66	183	75	80	185	75	80	69		
	288A+295A	43.5	90.7/104.7	87	90	80	183	90	80	87	90	80	183	90	90	185	90	90	82		
	292A+295A	50.0	104.3/120.3	82	90	89	183	90	89	82	85	90	183	85	90	185	85	90	92		

See: "Legend and Notes for Tables 1 - 8" on page 51.

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

UNIT	NO M, V-P, H-Z	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	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				
50HC'D14	575-3-60	STD	NONE	-	-	31	35	33	135	31	35	33	135	32	35	35	137	32	35	35	137
			293A	16.5	15.9	35	35	33	135	35	35	33	135	37	40	35	137	37	40	35	137
			290A+293A	26.5	25.5	47	50	43	135	47	50	43	135	49	50	45	137	49	50	45	137
			296A	33.5	32.2	55	60	50	135	55	60	50	135	57	60	52	137	57	60	52	137
			290A+296A	43.5	41.8	67	70	61	135	67	70	61	135	69	70	63	137	69	70	63	137
50HC'D14	575-3-60	MED	NONE	-	-	31	35	33	135	31	35	33	135	32	35	35	137	32	35	35	137
			293A	16.5	15.9	35	35	33	135	35	35	33	135	37	40	35	137	37	40	35	137
			290A+293A	26.5	25.5	47	50	43	135	47	50	43	135	49	50	45	137	49	50	45	137
			296A	33.5	32.2	55	60	50	135	55	60	50	135	57	60	52	137	57	60	52	137
			290A+296A	43.5	41.8	67	70	61	135	67	70	61	135	69	70	63	137	69	70	63	137
50HC'D14	575-3-60	HIGH	NONE	-	-	36	40	38	147	36	40	38	147	37	45	40	149	37	45	40	149
			293A	16.5	15.9	40	40	38	147	40	40	38	147	42	45	40	149	42	45	40	149
			290A+293A	26.5	25.5	52	60	48	147	52	60	48	147	54	60	50	149	54	60	50	149
			296A	33.5	32.2	61	70	55	147	61	70	55	147	63	70	57	149	63	70	57	149
			290A+296A	43.5	41.8	73	80	67	147	73	80	67	147	75	80	68	149	75	80	68	149
50HC'D14	575-3-60	HIGH	293A+296A	50.0	48.1	69	70	74	147	69	70	74	147	71	80	76	149	71	80	76	149

See: "Legend and Notes for Tables 1 - 8" on page 51.

Table 8 - 50HC with Electric Heat, ERV, Factory-Installed HACR Breaker 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.							
		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	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	MCA	HACR BRKR	DISC. SIZE FLA LRA					
50HC*D14	208/230-3-60	STD	NONE	-	-	72/72	80/80	77/76	327	72/72	80/80	77/76	327	77/77	90/90	83/82	332	77/77	90/90	83/82	332	77/77	90/90	83/82	332
			291A	12.4/16.5	34.4/39.7	80/80	80/80	77/76	327/327	80/80	80/80	77/76	327/327	86/86	90/90	83/82	332/332	86/86	90/90	83/82	332/332	86/86	90/90	83/82	332/332
			288A+291A	19.9/26.5	55.3/63.8	110/110	110/110	92/101	327/327	110/110	110/110	92/101	327/327	116/116	125/125	98/106	332/332	116/116	125/125	98/106	332/332	116/116	125/125	98/106	332/332
			294A	25.2/33.5	69.9/80.6	131/131	150/150	109/120	327/327	131/131	150/150	109/120	327/327	137/137	150/150	114/126	332/332	137/137	150/150	114/126	332/332	137/137	150/150	114/126	332/332
			288A+294A	32.7/43.5	90.7/104.7	161/161	175/175	133/148	327/327	161/161	175/175	133/148	327/327	167/167	175/175	138/153	332/332	167/167	175/175	138/153	332/332	167/167	175/175	138/153	332/332
			291A+294A	37.6/50.0	104.3/120.3	162/162	175/175	148/166	327/327	162/162	175/175	148/166	327/327	168/168	175/175	154/171	332/332	168/168	175/175	154/171	332/332	168/168	175/175	154/171	332/332
		MED	NONE	-	-	75/75	80/80	80/79	351	75/75	80/80	80/79	351	79/79	90/90	85/84	356	79/79	90/90	85/84	356	79/79	90/90	85/84	356
			291A	12.4/16.5	34.4/39.7	83/83	90/90	80/79	351/351	83/83	90/90	80/79	351/351	89/89	90/90	85/84	356/356	89/89	90/90	85/84	356/356	89/89	90/90	85/84	356/356
			288A+291A	19.9/26.5	55.3/63.8	113/113	125/125	95/103	351/351	113/113	125/125	95/103	351/351	119/119	125/125	100/109	356/356	119/119	125/125	100/109	356/356	119/119	125/125	100/109	356/356
			294A	25.2/33.5	69.9/80.6	134/134	150/150	111/123	351/351	134/134	150/150	111/123	351/351	140/140	150/150	117/128	356/356	140/140	150/150	117/128	356/356	140/140	150/150	117/128	356/356
			288A+294A	32.7/43.5	90.7/104.7	164/164	175/175	135/150	351/351	164/164	175/175	135/150	351/351	170/170	175/175	141/156	356/356	170/170	175/175	141/156	356/356	170/170	175/175	141/156	356/356
			291A+294A	37.6/50.0	104.3/120.3	165/165	175/175	151/168	351/351	165/165	175/175	151/168	351/351	171/171	175/175	156/174	356/356	171/171	175/175	156/174	356/356	171/171	175/175	156/174	356/356
460-3-60	460-3-60	STD	NONE	-	-	36	40	38	164	36	40	38	164	38	45	40	166	38	45	40	166	38	45	40	
			292A	16.5	19.9	39	40	38	164	39	40	38	164	42	45	40	166	42	45	40	166	42	45	40	
			289A+292A	26.5	31.9	54	60	49	164	54	60	49	164	57	60	52	166	57	60	52	166	57	60	52	
			295A	33.5	40.3	64	70	59	164	64	70	59	164	67	70	61	166	67	70	61	166	67	70	61	
			289A+295A	43.5	52.3	79	80	73	164	79	80	73	164	82	80	75	166	82	80	75	166	82	80	75	
			292A+295A	50.0	60.2	74	80	82	164	74	80	82	164	77	80	84	166	77	80	84	166	77	80	84	
		MED	NONE	-	-	37	45	39	176	37	45	39	176	39	45	41	178	39	45	41	178	39	45	41	
			292A	16.5	19.9	40	45	39	176	40	45	39	176	43	45	41	178	43	45	41	178	43	45	41	
			289A+292A	26.5	31.9	55	60	50	176	55	60	50	176	58	60	53	178	58	60	53	178	58	60	53	
			295A	33.5	40.3	66	70	60	176	66	70	60	176	68	70	63	178	68	70	63	178	68	70	63	
			289A+295A	43.5	52.3	81	90	74	176	81	90	74	176	83	90	76	178	83	90	76	178	83	90	76	
			292A+295A	50.0	60.2	76	80	83	176	76	80	83	176	78	80	85	178	78	80	85	178	78	80	85	
HIGH	NONE	-	-	42	50	45	183	42	50	45	183	44	50	47	185	44	50	47	185	44	50	47			
	292A	16.5	19.9	47	50	45	183	47	50	45	183	50	50	47	185	50	50	47	185	50	50	47			
	289A+292A	26.5	31.9	62	70	56	183	62	70	56	183	65	70	59	185	65	70	59	185	65	70	59			
	295A	33.5	40.3	72	80	66	183	72	80	66	183	75	80	69	185	75	80	69	185	75	80	69			
	289A+295A	43.5	52.3	87	90	80	183	87	90	80	183	90	90	82	185	90	90	82	185	90	90	82			
	292A+295A	50.0	60.2	82	90	89	183	82	90	89	183	85	90	82	185	85	90	82	185	85	90	82			

See: Legend and Notes for Tables 1 - 8 " on page 51.

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

UNIT	NO M. V. P. H. 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	DISC. SIZE	LRA	MCA	FUSE or BRKR	FLA	DISC. SIZE	LRA	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	FUSE or BRKR	FLA	DISC. SIZE	LRA												
50HC'D14	575 - 3 - 60	STD	NONE	-	-	31	35	33	135	135	31	35	33	135	135	32	35	35	137	137	32	35	35	137	137	32	35	35	137	137	32	35	35	137	137		
			298A	16.5	15.9	35	35	33	135	135	35	35	37	40	35	137	137	37	40	35	137	137	37	40	35	137	137	37	40	35	137	137	37	40	35	137	137
			290A+293A	26.5	25.5	47	50	43	135	135	47	50	49	50	45	137	137	49	50	45	137	137	49	50	45	137	137	49	50	45	137	137	49	50	45	137	137
			296A	33.5	32.2	55	60	50	135	135	55	60	57	60	52	137	137	57	60	52	137	137	57	60	52	137	137	57	60	52	137	137	57	60	52	137	137
			290A+296A	43.5	41.8	67	70	61	135	135	67	70	69	70	63	137	137	69	70	63	137	137	69	70	63	137	137	69	70	63	137	137	69	70	63	137	137
			293A+296A	50.0	48.1	63	70	69	135	135	63	70	63	70	69	135	135	65	70	71	137	137	65	70	71	137	137	65	70	71	137	137	65	70	71	137	137
50HC'D14	575 - 3 - 60	MED	NONE	-	-	31	35	33	135	135	31	35	33	135	135	32	35	35	137	137	32	35	35	137	137	32	35	35	137	137	32	35	35	137	137		
			298A	16.5	15.9	35	35	33	135	135	35	35	37	40	35	137	137	37	40	35	137	137	37	40	35	137	137	37	40	35	137	137	37	40	35	137	137
			290A+293A	26.5	25.5	47	50	43	135	135	47	50	49	50	45	137	137	49	50	45	137	137	49	50	45	137	137	49	50	45	137	137	49	50	45	137	137
			296A	33.5	32.2	55	60	50	135	135	55	60	57	60	52	137	137	57	60	52	137	137	57	60	52	137	137	57	60	52	137	137	57	60	52	137	137
			290A+296A	43.5	41.8	67	70	61	135	135	67	70	67	70	61	135	135	69	70	63	137	137	69	70	63	137	137	69	70	63	137	137	69	70	63	137	137
			293A+296A	50.0	48.1	63	70	69	135	135	63	70	63	70	69	135	135	65	70	71	137	137	65	70	71	137	137	65	70	71	137	137	65	70	71	137	137
50HC'D14	575 - 3 - 60	HIGH	NONE	-	-	36	40	38	147	147	36	40	38	147	147	37	45	40	149	149	37	45	40	149	149	37	45	40	149	149	37	45	40	149	149		
			298A	16.5	15.9	40	40	38	147	147	40	40	42	45	40	149	149	42	45	40	149	149	42	45	40	149	149	42	45	40	149	149	42	45	40	149	149
			290A+293A	26.5	25.5	52	60	48	147	147	52	60	54	60	50	149	149	54	60	50	149	149	54	60	50	149	149	54	60	50	149	149	54	60	50	149	149
			296A	33.5	32.2	61	70	55	147	147	61	70	63	70	57	149	149	63	70	57	149	149	63	70	57	149	149	63	70	57	149	149	63	70	57	149	149
			290A+296A	43.5	41.8	73	80	67	147	147	73	80	75	80	68	149	149	75	80	68	149	149	75	80	68	149	149	75	80	68	149	149	75	80	68	149	149
			293A+296A	50.0	48.1	69	70	74	147	147	69	70	69	70	74	147	147	71	80	76	149	149	71	80	76	149	149	71	80	76	149	149	71	80	76	149	149

See: "Legend and Notes for Tables 1 - 8 " on page 51.

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.

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