

**50HC 3 to 12.5 Nominal Tons  
Single Package Rooftop  
Cooling Only  
with Puron® (R-410A) Refrigerant  
Sizes: 04 – 14**



# 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 50HC size 04 to 14 units manufactured on or after July 30, 2012. To confirm the date of manufacture of a 50HC unit, 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 7<sup>th</sup> and 8<sup>th</sup> digits of the Model Number to determine the unit's size (Cooling Tons) and the 17<sup>th</sup> 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:	5	0	H	C	B	D	0	9	A	2	A	6	A	0	A	3	G	0


<p><b>Cooling Tons</b></p> <ul style="list-style-type: none"> <li>04 - 3 ton</li> <li>05 - 4 ton</li> <li>06 - 5 ton</li> <li>07 - 6 ton</li> <li>08 - 7.5 ton</li> <li>09 - 8.5 ton</li> <li>11 - 10 ton (12 EER)</li> <li>12 - 10 ton</li> <li>14 - 12.5 ton</li> </ul>	<p><b>Electrical Options</b></p> <ul style="list-style-type: none"> <li>A = None</li> <li>B = HACR Breaker</li> <li>C = Non-Fused Disconnect (NFD)</li> <li>D = Thru-The-Base Connections</li> <li>E = HACR &amp; Thru-The-Base Connections</li> <li>F = Non-Fused Disconnect (NFD) and Thru-The-Base Connections</li> <li>G = 2-Speed Indoor Fan (VFD) Controller</li> <li>H = 2-Speed Indoor Fan (VFD) Controller and HACR</li> <li>J = 2-Speed Fan Controller (VFD) and Non-Fused Disconnect (NFD)</li> <li>K = 2-Speed Fan Controller (VFD) and Thru-The-Base Connections</li> <li>L = 2-Speed Fan (VFD) Controller with HACR &amp; Thru-The-Base Connections</li> <li>M = 2-Speed Fan Controller (VFD) with Non-Fused Disconnect (NFD) and Thru-The-Base Connections</li> </ul>
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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 50HC size 04 to 14 units 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.

Nameplate Location

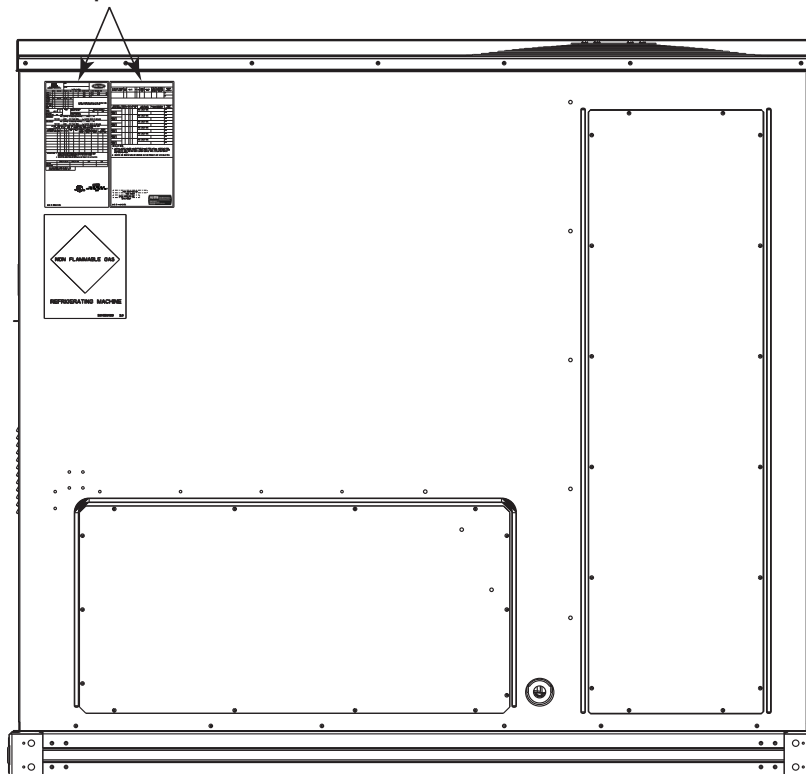


Fig. 1 - Location of Unit Nameplate

C101301

**Table 1 – Unit Wire/Fuse or HACR Breaker Sizing Data**

UNIT	NO M, V-PH-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.												w/ PWRD C.O.													
			CRHEATER***A00	Nom (kW)	FLA	NO PE.				w/ PE. (pwrd fr/unit)				NO PE.				w/ PE. (pwrd fr/unit)													
						MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE										
50HC*A04	DD-STD	NONE	3.3/4.4	15.9/18.3	-	30	45	29	88	32	45	31	90	34	50	34	93	36	50	36	95	36	50	36	95						
						30/33	45/45	29/30	88/88	32/35	45/45	31/32	90/90	36/39	50/50	34/35	90/90	36/39	50/50	34/35	93/93	38/41	50/50	36/37	95/95						
						39/44	45/45	36/40	88/88	38/43	45/45	38/42	90/90	45/50	50/50	41/45	93/93	47/52	60/70	41/45	93/93	47/52	60/70	43/47	95/95						
						49/55	50/60	45/50	88/88	51/57	60/60	47/52	90/90	55/61	60/70	50/56	93/93	63/70	70/80	50/56	93/93	57/63	70/80	52/58	95/95						
						57/64	60/70	52/59	88/88	59/67	60/70	54/61	90/90	63/70	80/90	58/64	93/93	67/74	80/90	58/64	93/93	67/74	80/90	60/67	95/95						
						68/77	70/80	62/71	88/88	71/80	80/80	65/73	90/90	74/83	80/90	68/77	93/93	80/90	80/90	68/76	93/93	77/86	80/90	80/80	80/79	95/95					
						208/230-1-60	STD	NONE	3.3/4.4	15.9/18.3	-	27	40	26	93	29	45	28	95	32	45	31	98	34	45	34	100	34	45	34	100
												27/29	40/40	26/27	93/93	29/32	45/45	28/29	95/95	32/35	45/45	31/32	98/98	35/38	45/45	31/32	98/98	35/38	45/45	34/34	100/100
												36/40	40/45	33/37	93/93	38/43	45/45	35/39	95/95	42/46	45/50	38/42	98/98	44/49	45/50	38/42	98/98	44/49	45/50	40/45	100/100
												46/52	50/60	42/47	93/93	48/54	50/60	44/50	95/95	52/58	60/60	47/53	98/98	54/60	60/60	47/53	98/98	54/60	60/60	49/55	100/100
												54/61	60/70	49/56	93/93	56/64	60/70	51/58	95/95	60/67	80/90	55/62	98/98	62/70	70/70	55/62	98/98	62/70	70/70	57/64	100/100
												65/74	70/80	60/68	93/93	68/77	70/80	62/70	95/95	71/80	80/80	65/73	98/98	74/83	80/90	65/73	98/98	74/83	80/90	67/76	100/100
208/230-3-60	STD	NONE	3.3/4.4	9.2/10.6	-	22	30	22	82	24	30	24	84	27	30	27	87	29	35	29	89	29	35	89							
						22/23	30/30	22/22	82/82	24/25	30/30	24/24	84/84	27/29	30/30	27/27	87/87	30/31	35/35	29/29	35/35	29/29	89/89	29/29	35/35	89/89					
						27/29	30/30	24/26	82/82	29/32	30/35	26/29	84/84	33/35	35/35	30/32	87/87	35/38	40/45	30/32	87/87	35/38	40/45	32/34	37/40	89/89					
						32/36	35/40	29/33	82/82	35/38	35/40	32/35	84/84	38/42	40/45	32/35	87/87	41/44	45/45	35/38	87/87	41/44	45/45	37/40	89/89						
						37/41	40/45	34/38	82/82	39/44	40/45	36/40	84/84	43/47	45/50	39/43	87/87	45/50	50/50	39/43	87/87	45/50	50/50	41/45	89/89						
						51/58	60/60	47/53	82/82	54/60	60/60	49/55	84/84	57/64	80/90	52/58	87/87	60/66	60/70	52/58	87/87	60/66	60/70	55/60	89/89						
						208/230-3-60	STD	NONE	3.3/4.4	9.2/10.6	-	20	25	19	94	22	30	21	96	24	30	25	99	26	30	27	101	26	30	101	
												20/20	25/25	19/19	94/94	22/23	30/30	21/21	96/96	24/26	30/30	25/25	99/99	27/29	30/30	25/25	99/99	27/27	101/101	27/27	101/101
												24/26	25/30	22/24	94/94	26/29	30/30	24/26	96/96	30/32	30/35	27/29	99/99	32/35	35/35	27/29	99/99	32/35	35/35	29/32	101/101
												30/33	30/35	27/30	94/94	32/35	35/40	29/32	96/96	36/39	40/40	32/36	99/99	38/41	40/45	32/36	99/99	38/41	40/45	35/38	101/101
												34/39	35/40	31/35	94/94	37/41	40/45	33/37	96/96	40/45	40/45	37/41	99/99	43/47	45/50	37/41	99/99	43/47	45/50	39/43	101/101
												49/55	50/60	44/50	94/94	51/57	60/60	47/52	96/96	55/61	60/70	50/56	99/99	57/63	60/70	50/56	99/99	57/63	60/70	52/58	101/101
208/230-3-60	MED	NONE	3.3/4.4	9.2/10.6	-	20	25	19	132	22	30	21	134	24	30	25	137	26	30	139	26	30	139								
						20/20	25/25	19/19	132/132	22/23	30/30	21/21	134/134	24/26	30/30	25/25	137/137	27/29	30/30	25/25	137/137	27/27	139/139								
						24/26	25/30	22/24	132/132	26/29	30/30	24/26	134/134	30/32	30/35	27/29	137/137	32/35	35/35	27/29	137/137	32/35	35/35	31/33	139/139						
						30/33	30/35	27/30	132/132	32/35	35/40	29/32	134/134	36/39	40/40	32/36	137/137	38/41	40/45	32/36	137/137	38/41	40/45	36/39	139/139						
						34/39	35/40	31/35	132/132	37/41	40/45	33/37	134/134	40/45	40/45	37/41	137/137	43/47	45/50	37/41	137/137	43/47	45/50	41/45	139/139						
						49/55	50/60	44/50	132/132	51/57	60/60	47/52	134/134	55/61	60/70	50/56	137/137	57/63	60/70	50/56	137/137	57/63	60/70	52/58	139/139						

See: "Legend and Notes for Tables 1 - 4" on page 41.

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Table 1 - Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M, V-Ph-HZ	IFM TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.										w/ PWRD C.O.																
			CRHEATER**A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)				NO P.E.				w/ P.E. (pwrd fr/unit)													
						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*A04	DD-STD		NONE	-	-	12	15	15	13	44	13	15	15	14	44	14	20	20	14	45	15	20	20	14	45	15	20	20	16	46	
			108A	6.0	7.2	14	15	15	14	44	16	20	20	15	45	17	20	20	15	45	18	20	20	17	46	18	20	20	17	46	
			107A	8.8	10.6	19	20	20	17	43	18	20	20	18	44	21	25	25	19	45	23	25	25	21	46	23	25	25	21	46	
			108A	11.5	13.8	23	25	25	20	43	24	25	25	22	44	25	25	25	23	45	27	30	30	24	46	27	30	30	24	46	
			109A	14.0	16.8	26	30	30	24	43	28	30	30	25	44	29	30	30	26	45	30	30	30	28	46	30	30	30	28	46	
			NONE	-	-	11	15	15	10	48	12	15	15	11	49	13	15	15	13	50	14	20	20	14	51	14	20	20	14	51	
	STD			108A	6.0	7.2	13	15	15	11	48	14	15	15	49	15	17	20	20	14	50	17	20	20	15	51	17	20	20	15	51
				107A	8.8	10.6	17	20	20	15	48	18	20	20	16	49	20	20	18	50	21	25	25	19	51	21	25	25	19	51	
				108A	11.5	13.8	21	25	25	19	48	22	25	25	20	49	24	25	25	21	50	25	25	23	51	25	25	25	23	51	
				109A	14.0	16.8	25	25	25	22	48	26	30	30	23	49	27	30	30	25	50	29	30	30	26	51	29	30	30	26	51
				NONE	-	-	11	15	15	10	48	12	15	15	11	49	13	15	15	13	50	14	20	20	14	51	14	20	20	14	51
				108A	6.0	7.2	13	15	15	11	48	14	15	15	12	49	15	17	20	20	14	50	17	20	20	15	51	17	20	20	15
HIGH			107A	8.8	10.6	17	20	20	15	48	18	20	16	49	20	20	18	50	21	25	25	19	51	21	25	25	19	51			
			108A	11.5	13.8	21	25	25	19	48	22	25	25	20	49	24	25	21	50	25	25	23	51	25	25	25	23	51			
			109A	14.0	16.8	26	30	30	22	48	26	30	30	23	49	27	30	30	25	50	29	30	30	26	51	29	30	30	26	51	
			NONE	-	-	12	15	15	11	68	13	15	15	12	68	14	15	15	14	69	15	20	20	15	70	15	20	20	15	70	
			108A	6.0	7.2	14	15	15	12	67	15	15	15	13	68	16	16	16	15	69	18	20	20	16	70	18	20	20	16	70	
			107A	8.8	10.6	18	20	20	16	67	19	20	20	17	68	21	20	20	19	69	22	25	25	20	70	22	25	25	20	70	
DD-STD			108A	11.5	13.8	22	25	25	20	67	23	25	21	68	25	25	22	69	26	30	30	22	70	26	30	30	23	70			
			109A	14.0	16.8	26	30	30	23	67	27	30	30	24	68	28	30	30	26	69	30	30	27	70	30	30	30	27	70		
			NONE	-	-	10	15	15	10	42	12	15	15	12	44	11	15	15	12	44	13	15	15	14	46	13	15	15	14	46	
			297A	9.2	9.2	17	20	20	15	42	19	20	20	17	44	19	20	17	44	19	20	21	25	25	19	46	21	25	25	19	46
			298A	13.8	13.8	23	25	25	20	42	25	25	25	23	44	25	25	22	44	27	27	27	27	25	46	27	27	25	25	46	
			NONE	-	-	7	15	15	6	45	9	15	15	9	47	9	15	15	8	47	11	15	15	10	49	11	15	15	10	49	
STD			297A	9.2	9.2	13	15	15	12	45	16	20	14	47	16	20	14	47	18	20	20	14	49	18	20	20	16	49			
			298A	13.8	13.8	19	20	20	17	45	22	25	25	19	47	21	25	25	19	47	24	25	21	49	24	25	25	21	49		
			NONE	-	-	8	15	15	7	49	10	15	15	9	51	9	15	15	9	51	11	15	15	11	53	11	15	15	11	53	
			297A	9.2	9.2	14	15	15	13	49	17	20	20	15	51	17	20	20	15	51	19	20	20	17	53	19	20	20	17	53	
			298A	13.8	13.8	20	20	20	18	49	23	25	25	20	51	22	25	25	20	51	22	25	25	22	53	22	25	25	22	53	
			NONE	-	-	20	20	20	18	49	23	25	25	20	51	22	25	25	20	51	22	25	25	22	53	22	25	25	22	53	

See: "Legend and Notes for Tables 1 - 4" on page 41.

**Table 1 - Unit Wire/Fuse or HACR Breaker Sizing Data (cont)**

UNIT	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.										w/ PWRD C.O.																	
		CRHEATER**A00	Nom (kW)	FLA	NO PE.					w/ PE. (pwrd fr/unit)					NO PE.					w/ PE. (pwrd fr/unit)												
					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+A05	DD-STD	NONE	-	-	37	50	35	127	37	129	41	132	43	134	60	60	41	132	43	134	60	60	41	132	43	134	60	60	41	132	43	134
		101A	3.3/4.4	15.9/18.3	37/37	50/50	35/35	127/127	37/37	129/129	41/41	132/132	43/43	134/134	60/60	60/60	41/41	132/132	43/43	134/134	60/60	60/60	41/41	132/132	43/43	134/134	60/60	60/60	41/41	132/132	43/43	134/134
		103B	6.5/6.7	31.4/36.3	49/55	50/60	45/50	127/127	47/52	129/129	55/61	132/132	57/63	134/134	60/70	60/70	47/53	137/137	54/60	139/139	60/60	60/60	47/53	137/137	54/60	139/139	60/60	60/60	47/53	137/137	54/60	139/139
		102A+102A	9.8/13.0	46.9/54.2	68/77	70/80	62/71	127/127	65/73	129/129	74/83	132/132	68/76	134/134	80/90	80/90	65/73	137/137	74/83	139/139	80/90	80/90	65/73	137/137	74/83	139/139	80/90	80/90	65/73	137/137	74/83	139/139
		103B+103B	13.1/17.4	62.8/72.5	88/100	90/100	81/92	127/127	83/94	129/129	94/106	132/132	86/97	134/134	100/110	100/110	83/95	137/137	93/106	139/139	100/110	100/110	83/95	137/137	93/106	139/139	100/110	100/110	83/95	137/137	93/106	139/139
		104B+104B	15.8/21.0	75.8/87.5	104/119	110/125	96/109	127/127	98/111	129/129	107/121	132/132	99/108	134/134	110/125	110/125	98/112	137/137	110/124	139/139	110/125	110/125	98/112	137/137	110/124	139/139	110/125	110/125	98/112	137/137	110/124	139/139
	STD	NONE	-	-	34	50	32	132	36	134	38	137	41	139	60	60	38	137	41	141	60	60	38	137	41	141	60	60	38	137	41	141
		101A	3.3/4.4	15.9/18.3	34/34	50/50	32/32	132/132	36/36	134/134	39/39	137/137	41/41	139/139	60/60	60/60	38/38	137/137	41/41	141/141	60/60	60/60	38/38	137/137	41/41	141/141	60/60	60/60	38/38	137/137	41/41	141/141
		103B	6.5/6.7	31.4/36.3	46/52	50/60	42/47	132/132	48/54	134/134	52/58	137/137	47/53	139/139	60/70	60/70	47/53	137/137	54/60	139/139	60/60	60/60	47/53	137/137	54/60	139/139	60/60	60/60	47/53	137/137	54/60	139/139
		102A+102A	9.8/13.0	46.9/54.2	65/74	70/80	60/68	132/132	68/77	134/134	71/80	137/137	62/70	139/139	80/90	80/90	62/70	137/137	74/83	139/139	80/90	80/90	62/70	137/137	74/83	139/139	80/90	80/90	62/70	137/137	74/83	139/139
		103B+103B	13.1/17.4	62.8/72.5	85/97	90/100	78/89	132/132	87/100	134/134	91/103	137/137	80/91	139/139	100/110	100/110	80/91	137/137	93/106	139/139	100/110	100/110	80/91	137/137	93/106	139/139	100/110	100/110	80/91	137/137	93/106	139/139
		104B+104B	15.8/21.0	75.8/87.5	101/116	110/125	93/106	132/132	104/118	134/134	107/122	137/137	95/108	139/139	110/125	110/125	95/108	137/137	110/124	139/139	110/125	110/125	95/108	137/137	110/124	139/139	110/125	110/125	95/108	137/137	110/124	139/139
DD-STD	NONE	-	-	26	30	26	93	28	95	29	98	31	100	40	40	28	98	31	100	40	40	28	98	31	100	40	40	28	98	31	100	
	102A	4.9/6.5	13.6/15.6	27/29	30/30	26/26	93/93	29/32	95/95	30/32	98/98	31/32	100/100	40/40	40/40	28/29	98/98	31/32	100/100	40/40	40/40	28/29	98/98	31/32	100/100	40/40	40/40	28/29	98/98	31/32	100/100	
	103B	6.5/6.7	18.1/20.9	32/36	35/40	29/33	93/93	35/38	95/95	38/42	98/98	35/38	100/100	40/45	40/45	32/35	98/98	35/38	100/100	40/45	40/45	32/35	98/98	35/38	100/100	40/45	40/45	32/35	98/98	35/38	100/100	
	105A	12.0/16.0	33.4/38.5	51/58	60/60	47/53	93/93	54/60	95/95	57/64	98/98	52/58	100/100	60/70	60/70	49/55	98/98	52/58	100/100	60/70	60/70	49/55	98/98	52/58	100/100	60/70	60/70	49/55	98/98	52/58	100/100	
	104B+104B	15.8/21.0	43.8/50.5	64/73	70/80	59/67	93/93	67/75	95/95	70/79	98/98	61/69	100/100	80/90	80/90	61/69	98/98	73/81	100/100	80/90	80/90	61/69	98/98	73/81	100/100	80/90	80/90	61/69	98/98	73/81	100/100	
	104B+104B	15.8/21.0	43.8/50.5	62/70	70/70	56/64	105/105	64/72	107/107	68/76	109/109	59/66	110/110	70/80	70/80	59/66	107/107	70/78	110/110	70/80	70/80	59/66	107/107	70/78	110/110	70/80	70/80	59/66	107/107	70/78	110/110	
STD	NONE	-	-	24	30	23	105	26	107	29	110	31	112	40	40	26	110	31	112	40	40	26	110	31	112	40	40	26	110	31	112	
	102A	4.9/6.5	13.6/15.6	24/26	30/30	23/24	105/105	26/29	107/107	30/32	110/110	31/32	112/112	40/40	40/40	26/26	110/110	31/32	112/112	40/40	40/40	26/26	110/110	31/32	112/112	40/40	40/40	26/26	110/110	31/32	112/112	
	103B	6.5/6.7	18.1/20.9	30/33	30/35	27/30	105/105	32/35	107/107	36/39	110/110	32/36	112/112	40/40	40/40	29/32	110/110	32/36	112/112	40/40	40/40	29/32	110/110	32/36	112/112	40/40	40/40	29/32	110/110	32/36	112/112	
	105A	12.0/16.0	33.4/38.5	49/55	50/60	44/50	105/105	51/57	107/107	55/61	109/109	47/52	110/110	60/70	60/70	47/52	107/107	57/63	110/110	60/70	60/70	47/52	107/107	57/63	110/110	60/70	60/70	47/52	107/107	57/63	110/110	
	104B+104B	15.8/21.0	43.8/50.5	62/70	70/70	56/64	105/105	64/72	107/107	68/76	109/109	59/66	110/110	70/80	70/80	59/66	107/107	70/78	110/110	70/80	70/80	59/66	107/107	70/78	110/110	70/80	70/80	59/66	107/107	70/78	110/110	
	104B+104B	15.8/21.0	43.8/50.5	62/70	70/70	56/64	105/105	64/72	107/107	68/76	109/109	59/66	110/110	70/80	70/80	59/66	107/107	70/78	110/110	70/80	70/80	59/66	107/107	70/78	110/110	70/80	70/80	59/66	107/107	70/78	110/110	
MED	NONE	-	-	27/27	40/40	27/27	158	29/29	160	32/32	163	34/34	165	45/45	45/45	33/32	163	34/34	165	45/45	45/45	33/32	163	34/34	165	45/45	45/45	33/32	163	34/34	165	
	102A	4.9/6.5	13.6/15.6	28/30	40/40	27/27	158/158	30/33	160/160	34/36	163/163	36/39	165/165	45/45	45/45	33/33	163/163	36/39	165/165	45/45	45/45	33/33	163/163	36/39	165/165	45/45	45/45	33/33	163/163	36/39	165/165	
	103B	6.5/6.7	18.1/20.9	34/37	40/40	30/34	158/158	36/39	160/160	40/43	163/163	36/39	165/165	45/45	45/45	33/33	163/163	36/39	165/165	45/45	45/45	33/33	163/163	36/39	165/165	45/45	45/45	33/33	163/163	36/39	165/165	
	105A	12.0/16.0	33.4/38.5	53/59	60/60	48/54	158/158	55/61	160/160	59/65	163/163	50/56	165/165	80/90	80/90	50/56	160/160	61/67	165/165	80/90	80/90	50/56	160/160	61/67	165/165	80/90	80/90	50/56	160/160	61/67	165/165	
	104B+104B	15.8/21.0	43.8/50.5	66/74	70/80	60/68	158/158	68/76	160/160	72/80	163/163	62/70	165/165	80/90	80/90	62/70	160/160	74/82	165/165	80/90	80/90	62/70	160/160	74/82	165/165	80/90	80/90	62/70	160/160	74/82	165/165	
	104B+104B	15.8/21.0	43.8/50.5	66/74	70/80	60/68	158/158	68/76	160/160	72/80	163/163	62/70	165/165	80/90	80/90	62/70	160/160	74/82	165/165	80/90	80/90	62/70	160/160	74/82	165/165	80/90	80/90	62/70	160/160	74/82	165/165	

See: "Legend and Notes for Tables 1 - 4" on page 41.

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Table 1 - 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	NO P.E.			w/ P.E. (pwrld fr/unit)			NO P.E.			w/ P.E. (pwrld fr/unit)						
						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*A05		DD-STD	NONE	-	-	13	15	15	13	14	20	14	20	15	15	15	16	20	16	20	
			108A	6.0	7.2	13	15	15	13	14	20	14	20	15	15	15	18	20	17	20	
			108A	11.5	13.8	23	25	25	22	24	23	25	25	23	25	24	27	30	24	30	25
			108A+108A	14.0	16.8	26	30	30	24	28	28	30	30	25	30	29	49	30	28	30	28
	460-3-60	STD	NONE	-	-	11	15	15	11	12	15	12	15	14	14	15	15	20	14	20	
			108A	6.0	7.2	11	15	15	11	12	15	12	15	14	14	15	17	20	15	20	
			108A	11.5	13.8	19	25	25	19	20	22	25	20	25	24	25	21	25	23	25	
			108A+108A	14.0	16.8	25	25	25	22	27	26	30	23	30	29	29	25	30	26	30	26
	575-3-60	HIGH	NONE	-	-	11	15	15	11	12	15	12	15	14	14	15	15	20	14	20	
			108A	6.0	7.2	11	15	15	11	12	15	12	15	14	14	15	17	20	15	20	
			108A	11.5	13.8	21	25	25	19	20	22	25	20	25	24	25	21	25	22	25	22
			108A+108A	14.0	16.8	27	30	30	24	28	28	30	23	30	29	29	25	30	26	30	26
	DD-STD	NONE	-	-	11	15	15	11	13	15	13	14	14	14	15	15	17	20	16	20	
		297A	9.2	9.2	15	20	20	15	17	19	20	17	19	17	19	21	25	20	21	25	
		298A	13.8	13.8	20	25	25	20	23	25	25	23	25	25	25	22	27	30	25	25	
		NONE	-	-	8	15	15	8	10	10	15	10	15	10	10	10	12	15	10	12	
	STD	297A	9.2	9.2	12	15	15	12	14	16	20	14	16	14	14	14	18	20	14	18	
		298A	13.8	13.8	19	20	20	17	19	22	25	19	25	19	19	24	25	19	21	25	
		NONE	-	-	9	15	15	9	10	10	15	10	15	10	10	12	15	10	12		
		NONE	-	-	8	15	15	8	11	11	15	11	15	10	10	10	13	15	10	13	
	MED	297A	9.2	9.2	12	15	15	12	15	16	20	15	16	14	14	18	20	14	18	20	
		298A	13.8	13.8	20	20	20	18	22	22	25	20	25	20	20	24	25	20	24	25	
		NONE	-	-	10	15	15	10	12	12	15	12	15	12	12	14	15	12	14		
		NONE	-	-	14	15	15	14	18	18	20	16	20	16	16	20	20	17	20	17	
	HIGH	297A	9.2	9.2	14	15	15	14	16	18	20	16	18	16	16	20	20	16	18	20	
		298A	13.8	13.8	21	25	25	19	24	24	25	21	25	21	21	23	25	21	23	25	
		NONE	-	-	15	15	15	14	16	16	15	15	14	14	14	15	15	14	15	15	
		NONE	-	-	18	15	15	18	18	18	20	16	20	16	16	20	20	18	20	18	

See: "Legend and Notes for Tables 1 - 4" on page 41.

**Table 1 - Unit Wire/Fuse or HACR Breaker Sizing Data (cont)**

UNIT	IFM TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.										w/ PWRD C.O.											
				NO PE.					w/ PE. (pwrd fr/unit)					NO PE.					w/ PE. (pwrd fr/unit)						
				MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	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
NO M, V-PH-HZ	DD-STD	-	Nom (kW)	FLA	41	60	39	144	42	60	41	146	45	60	44	149	47	60	47	151	47	60	47	151	47
					41/44	60/60	39/40	144/144	42/46	60/60	41/42	146/146	45/50	60/60	41/42	146/146	45/50	60/60	44/45	149/149	47/52	60/60	47/47	60/60	47/52
208/230-1-60	STD	-	4.9/6.5	23.5/27.1	38	60	36	149	40	60	38	151	43	60	42	154	45	60	44	156	45	60	44	156	45
					38/40	60/60	36/37	149/149	40/43	60/60	38/39	151/151	43/46	60/60	42/42	154/154	45/49	60/60	42/42	154/154	45/49	60/60	44/45	60/60	44/45
208/230-3-60	MED	-	6.9/8.7	31.4/36.3	65	60	42	149	48	60	47	151	52	60	47	154	54	60	49	156	54	60	49	156	54
					65/74	60/60	42/47	149/149	48/54	60/60	47/50	151/151	52/58	60/60	47/53	154/154	54/60	60/60	47/53	154/154	54/60	60/60	49/55	60/60	49/55
50HC*A06	DD-STD	-	7.9/10.5	33.4/38.5	88	60	42	144	87	60	41	146	91	60	41	148	91	60	41	148	91	60	41	148	91
					88/100	60/60	42/47	144/144	87/100	60/60	41/42	146/146	91/103	60/60	41/42	146/146	91/103	60/60	41/42	146/146	91/103	60/60	41/42	60/60	41/42
50HC*A06	STD	-	13.1/17.4	62.8/72.5	89	60	42	149	87	60	41	149	91	60	41	149	91	60	41	149	91	60	41	149	91
					89/100	60/60	42/47	149/149	87/100	60/60	41/42	149/149	91/103	60/60	41/42	149/149	91/103	60/60	41/42	149/149	91/103	60/60	41/42	60/60	41/42
50HC*A06	HIGH	-	15.8/21.0	75.8/87.5	104	60	42	144	104	60	41	146	107	60	41	148	107	60	41	148	107	60	41	148	107
					104/119	60/60	42/47	144/144	104/118	60/60	41/42	146/146	107/121	60/60	41/42	146/146	107/121	60/60	41/42	146/146	107/121	60/60	41/42	60/60	41/42

See: "Legend and Notes for Tables 1 - 4" on page 41.

Table 1 - 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	NO P.E.				w/ P.E. (pwrld fr/unit)				NO P.E.				w/ P.E. (pwrld fr/unit)								
						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*A06	460-3-60	DD-STD	NONE	-	-	14	20	14	58	15	20	15	59	16	20	16	60	17	20	17	61	17	20	17	61	
			108A	6.0	7.2	14	20	14	58	16	20	15	59	16	20	16	60	17	20	17	61	17	20	17	61	
			108A	11.5	13.8	23	25	20	58	22	25	23	27	60	25	24	30	26	30	28	30	28	30	28	30	28
			108A	14.0	16.8	26	30	24	58	28	30	25	59	29	30	26	30	26	30	28	30	28	30	28	30	28
			108A+108A	23.0	27.7	40	40	36	40	41	45	38	44	43	59	44	45	40	43	44	45	44	45	44	45	44
		108A+108A	25.5	30.7	44	45	40	58	45	58	45	47	59	47	50	42	60	40	48	50	44	44	44	50	44	
		STD	NONE	-	-	13	15	12	63	14	20	13	64	15	20	15	65	16	20	16	66	16	20	16	66	
			108A	6.0	7.2	13	15	12	63	14	20	13	64	15	20	15	65	16	20	16	66	16	20	16	66	
			108A	11.5	13.8	21	25	19	63	22	21	25	21	64	23	25	23	25	25	25	25	25	25	25	25	
			108A	14.0	16.8	25	25	22	63	26	30	23	64	27	30	25	65	29	30	26	26	26	26	26	26	
108A+108A	23.0		27.7	38	40	35	63	40	40	36	41	41	45	37	42	42	45	39	39	39	39	39	39			
MED	108A+108A	25.5	30.7	42	45	38	63	43	45	39	64	45	45	41	46	45	46	42	42	42	42	42	42			
	NONE	-	-	14	20	13	82	15	20	14	83	16	20	16	84	17	20	17	85	17	20	17	85			
	108A	6.0	7.2	14	20	13	82	15	20	14	83	16	20	16	84	17	20	17	85	17	20	17	85			
	108A	11.5	13.8	22	25	20	82	23	25	21	83	25	25	22	25	23	25	23	23	23	23	23	23			
	108A	14.0	16.8	26	30	23	82	27	30	24	83	28	30	26	30	26	30	27	27	27	27	27	27			
HIGH	108A+108A	23.0	27.7	39	40	36	82	41	45	37	83	42	45	38	44	43	45	39	39	39	39	39	39			
	108A+108A	25.5	30.7	43	45	39	82	44	45	40	83	46	50	42	48	47	50	43	43	43	43	43	43			
	NONE	-	-	14	20	14	90	15	20	15	91	17	20	16	92	18	20	18	18	18	18	18	18			
	108A	6.0	7.2	15	20	14	90	16	20	15	91	17	20	16	92	19	20	19	19	19	19	19	19			
	108A	11.5	13.8	23	25	21	90	24	25	22	91	26	30	23	25	27	30	24	24	24	24	24	24			
575-3-60	DD-STD	108A+108A	23.0	27.7	40	40	37	90	42	45	38	91	43	45	39	44	44	45	40	40	40	40	40			
		108A+108A	25.5	30.7	44	45	40	90	45	45	41	91	47	50	43	48	48	50	44	44	44	44	44			
		NONE	-	-	12	15	12	46	14	20	14	48	13	15	13	48	15	20	16	16	16	16	16			
		298A	13.8	13.8	23	25	20	46	25	25	23	48	25	25	22	27	27	30	25	25	25	25	25			
		301A	23.0	23.1	34	35	31	46	37	40	33	48	36	40	33	48	39	40	35	35	35	35	35			
STD	NONE	-	-	9	15	8	49	11	15	10	51	11	15	10	51	13	15	12	12	12	12	12				
	298A	13.8	13.8	19	20	17	49	22	25	19	51	21	25	19	51	24	25	21	21	21	21	21				
	301A	23.0	23.1	31	35	28	49	33	35	30	51	33	35	30	51	35	35	32	32	32	32	32				
	NONE	-	-	10	15	9	53	12	15	11	55	11	15	11	55	13	15	13	13	13	13	13				
	298A	13.8	13.8	20	20	18	53	23	25	20	55	22	25	20	55	25	25	22	22	22	22	22				
MED	301A	23.0	23.1	32	35	29	53	34	35	31	55	34	35	31	55	36	40	33	33	33	33	33				
	NONE	-	-	11	15	10	64	12	15	12	66	12	15	12	66	14	15	14	14	14	14	14				
	298A	13.8	13.8	21	25	19	64	24	25	21	66	23	25	21	66	26	30	23	23	23	23	23				
	301A	23.0	23.1	33	35	30	64	35	35	32	66	35	35	32	66	37	40	34	34	34	34	34				
	NONE	-	-	11	15	10	64	12	15	12	66	12	15	12	66	14	15	14	14	14	14	14				

See: Legend and Notes for Tables 1 - 4 on page 41.



Table 1 - Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M, V-Ph-HZ	ELEC. HTR			NO PWR C.O.																		
		CRHEATER**A00	Nom (kW)	FLA	NO P.E.						w PWRD C.O.												
					MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE								
							FLA	LRA			FLA	LRA			FLA	LRA							
50HC*A07	STD	NONE	-	-	32/32	50/50	31/31	165	36/35	169	37/37	50/50	37/36	170	41/41	50/50	37/36	170	41/41	50/50	41/41	174	
		26A	4.9/6.5	13.6/15.6	32/32	50/50	31/31	165/165	36/35	169/169	37/37	50/50	37/36	170/170	41/41	50/50	41/41	174/174	41/41	50/50	41/41	174/174	
		267A	7.8/10.4	21.7/25.0	34/38	50/50	31/34	165/165	36/39	169/169	40/44	50/50	37/40	170/170	45/49	50/50	41/44	174/174	59/65	60/70	54/60	174/174	
		267A	12.0/16.0	33.4/38.5	49/55	50/60	44/50	165/165	53/59	169/169	55/61	60/80	49/54	169/169	50/55	170/170	59/65	60/70	170/170	72/80	80/90	66/74	174/174
		268A	15.8/21.0	43.8/50.5	62/70	70/70	56/64	165/165	66/74	169/169	68/76	70/80	61/68	169/169	62/69	170/170	72/80	80/90	170/170	87/97	90/100	79/89	174/174
		268A	19.9/26.5	55.2/63.8	76/86	80/90	69/79	165/165	81/91	74/83	169/169	82/92	90/100	75/85	170/170	87/97	100/110	90/100	206	44/44	60/60	45/45	210
	MED	268A	4.9/6.5	13.6/15.6	36/36	50/50	35/35	201	39/39	205	39/39	50/50	39/39	205/205	40/40	50/50	40/40	50/50	206/206	44/44	60/60	45/45	210/210
		117A	7.8/10.4	21.7/25.0	38/42	50/50	35/38	201/201	43/47	205/205	44/48	50/50	39/43	205/206	40/44	50/50	40/44	50/50	206/206	49/53	60/60	45/48	210/210
		110A	12.0/16.0	33.4/38.5	53/59	60/60	48/54	201/201	57/64	205/205	59/65	60/70	52/58	205/205	54/59	60/70	63/70	70/70	206/206	63/70	70/70	58/64	210/210
		117A+117A	15.8/21.0	43.8/50.5	66/74	70/80	60/68	201/201	70/79	205/205	72/80	80/80	64/72	205/205	66/73	80/80	76/85	80/90	206/206	76/85	80/90	70/78	210/210
		110A+117A	19.9/26.5	55.2/63.8	80/91	80/100	73/83	201/201	85/95	78/87	205/205	86/97	90/100	78/87	205/205	91/101	100/110	91/101	206/206	91/101	100/110	83/93	210/210
		NONE	-	-	41/40	50/50	41/40	217	45/44	221	46/45	60/60	45/44	221	46/45	60/60	46/45	60/60	222	49/49	60/60	51/50	226
	HIGH	26A	4.9/6.5	13.6/15.6	41/40	50/50	41/40	217/217	45/44	221/221	46/45	60/60	45/44	221/221	46/45	60/60	46/45	60/60	222/222	49/49	60/60	51/50	226
		117A	7.8/10.4	21.7/25.0	45/48	50/50	41/43	217/217	49/52	221/221	51/54	60/60	46/49	222/222	55/58	60/60	51/53	60/60	222/222	55/58	60/60	51/53	226/226
110A		12.0/16.0	33.4/38.5	59/64	60/70	54/59	217/217	58/63	221/221	65/70	70/70	58/63	221/221	70/75	70/80	64/69	70/80	222/222	70/75	70/80	64/69	226/226	
117A+117A		15.8/21.0	43.8/50.5	72/79	80/80	68/73	217/217	77/84	221/221	78/85	80/90	70/77	221/221	83/90	90/90	76/83	80/90	222/222	83/90	90/90	76/83	226/226	
110A+117A		19.9/26.5	55.2/63.8	86/96	90/100	79/88	217/217	91/101	83/92	92/102	100/110	83/92	221/221	97/107	100/110	89/98	100/110	222/222	97/107	100/110	89/98	226/226	
NONE		-	-	17	25	16	84	18	86	19	25	18	86	21	25	20	20	86	21	25	20	88	
STD	268A	6.0	7.2	17	25	16	84	18	86	19	25	18	86	21	25	20	86	21	25	20	88		
	268A	11.5	13.8	21	25	19	84	23	21	25	19	86	26	25	30	23	86	26	25	30	88		
	267A	14.0	16.8	25	25	22	84	27	24	24	24	86	27	30	30	25	86	30	30	27	88		
	268A	23.0	27.7	38	40	35	84	40	35	37	45	86	41	45	45	37	86	43	45	45	88		
	268A	25.5	30.7	42	45	38	84	44	40	45	45	86	45	45	45	41	86	47	50	45	88		
	NONE	-	-	18	25	18	102	20	20	20	20	104	21	25	30	22	30	104	22	30	22	106	
MED	268A	6.0	7.2	18	25	18	102	20	20	20	104	21	25	30	22	30	104	22	30	22	106		
	268A	11.5	13.8	23	25	21	102	25	23	23	104	26	30	30	23	30	104	28	30	25	106		
	267A	14.0	16.8	27	30	24	102	29	26	26	104	29	30	30	27	35	104	32	32	35	106		
	268A	23.0	27.7	40	40	37	102	43	40	43	104	43	45	45	39	45	104	45	45	45	106		
	268A	25.5	30.7	44	45	40	102	46	42	42	104	47	50	50	41	45	104	49	49	45	106		
	NONE	-	-	21	25	20	110	22	22	23	112	23	30	30	23	30	112	25	25	30	25	114	
HIGH	268A	6.0	7.2	21	25	20	110	22	22	112	23	30	30	23	30	112	25	25	30	25	114		
	268A	11.5	13.8	26	30	23	110	28	25	112	28	30	30	26	35	112	28	31	35	28	114		
	267A	14.0	16.8	29	30	27	110	32	29	112	32	35	35	29	35	112	34	34	35	31	114		
	268A	23.0	27.7	43	45	39	110	45	41	112	46	50	50	42	48	112	48	48	50	44	114		
	268A	25.5	30.7	47	50	43	110	49	45	112	50	50	50	45	50	112	52	52	60	47	114		
	NONE	-	-	13	15	12	61	16	16	16	65	14	20	20	14	18	63	18	18	20	18	67	
STD	118A	17.0	20.4	28	30	25	61	33	30	65	30	35	30	27	35	63	35	35	35	32	67		
	299A	25.7	25.8	35	35	32	61	39	40	65	37	40	40	33	42	63	42	45	45	38	67		
	NONE	-	-	14	20	13	76	18	17	80	15	20	20	15	19	78	19	25	25	19	82		
MED	118A	17.0	20.4	29	30	27	76	34	35	80	35	35	35	29	35	82	36	40	40	33	82		
	299A	25.7	25.8	36	40	33	76	41	45	80	38	40	40	35	43	78	43	45	45	39	82		
	NONE	-	-	17	20	16	90	20	21	94	18	25	25	18	22	92	22	25	25	23	96		
HIGH	118A	17.0	20.4	33	35	30	90	38	40	94	35	40	40	32	40	92	40	40	40	36	96		
	299A	25.7	25.8	40	40	36	90	44	45	94	42	45	45	38	47	92	47	50	50	42	96		
	NONE	-	-	40	40	40	90	44	45	94	42	45	45	38	47	92	47	50	50	42	96		



See: "Legend and Notes for Tables 1 - 4" on page 41.

Table 1 - Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M. V-PH-HZ	ELEC. HTR			NO C.O. or UNPWR C.O.						w/ PWRD C.O.								
		CRHEATER***A00	Nom (kW)	FLA	NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)					
					MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE			
50HC*08	STD	NONE	-	-	39/39	41/40	208	43/43	50/50	45/45	212	44/44	50/50	46/46	213	48/48	60/60	51/50	217
		117A	7.8/10.4	21.7/25.0	39/39	41/40	208/208	43/43	50/50	45/45	212/212	44/44	50/50	46/46	213/213	48/49	60/60	51/50	217/217
		110A	12.0/16.0	33.4/38.5	49/55	50/60	208/208	53/59	60/80	49/54	212/212	55/61	60/70	50/55	213/213	59/65	60/70	54/60	217/217
		111A	18.6/24.8	51.7/59.7	72/81	80/90	208/208	76/86	80/90	70/79	212/212	78/87	80/90	71/80	213/213	82/92	90/100	75/84	217/217
		112A	24.0/32.0	66.7/77.0	90/103	100/110	208/208	95/108	100/110	87/99	212/212	96/109	100/110	88/100	213/213	101/114	110/125	93/104	217/217
		112A+117A	31.8/42.4	88.4/102.0	117/134	125/150	208/208	122/139	125/150	112/127	212/212	123/140	125/150	113/128	213/213	128/145	150/150	118/133	217/217
		NONE	-	-	41/41	50/50	229	45/45	50/50	47/47	233	46/46	50/50	48/48	234	50/49	60/60	53/52	238
		117A	7.8/10.4	21.7/25.0	41/41	50/50	229/229	45/45	50/50	47/47	233/233	46/46	50/50	48/48	234/234	50/51	60/60	53/52	238/238
		110A	12.0/16.0	33.4/38.5	51/57	60/60	229/229	56/62	60/70	51/56	233/233	57/63	60/70	52/58	234/234	62/68	70/70	56/62	238/238
		111A	18.6/24.8	51.7/59.7	74/83	80/90	229/229	78/88	80/90	72/81	233/233	80/89	80/90	73/82	234/234	84/94	90/100	77/86	238/238
		112A	24.0/32.0	66.7/77.0	92/105	100/110	229/229	97/110	100/110	89/101	233/233	98/111	100/125	90/102	234/234	103/116	110/125	95/106	238/238
		112A+117A	31.8/42.4	88.4/102.0	120/136	125/150	229/229	124/141	125/150	114/129	233/233	126/142	150/150	115/131	234/234	130/147	150/150	119/135	238/238
50HC*08	STD	NONE	-	-	18	19	104	20	25	106	20	25	25	106	22	25	23	108	
		116A	13.9	16.7	24	25	104	27	30	24	106	27	30	25	106	29	30	108	
		113A	16.5	19.8	28	30	104	31	35	28	106	31	35	28	106	33	30	108	
		114A	27.8	33.4	45	45	104	48	50	43	106	48	50	44	106	50	50	108	
		115A	33.0	39.7	53	60	104	55	60	51	106	56	60	51	106	58	60	108	
		114A+116A	41.7	50.2	66	70	104	69	70	63	106	69	70	63	106	71	80	108	
		NONE	-	-	19	25	114	21	25	22	116	21	25	22	116	23	25	24	118
		116A	13.9	16.7	26	30	114	28	30	25	116	28	30	26	116	31	35	28	118
		113A	16.5	19.8	29	30	114	32	35	29	116	32	35	29	116	34	35	31	118
		114A	27.8	33.4	46	48	114	49	50	44	116	49	50	45	116	51	60	47	118
		115A	33.0	39.7	54	60	114	57	60	52	116	57	60	52	116	59	60	54	118
		114A+116A	41.7	50.2	67	70	114	70	70	64	116	70	70	64	116	72	80	66	118
50HC*08	MED	NONE	-	-	21	22	129	23	25	131	23	25	24	131	25	30	27	133	
		116A	13.9	16.7	28	30	129	30	30	27	131	31	35	28	131	33	35	133	
		113A	16.5	19.8	32	35	129	34	35	31	131	35	35	31	131	37	40	133	
		114A	27.8	33.4	49	50	129	51	60	47	131	52	60	47	131	54	60	49	133
		115A	33.0	39.7	57	60	129	59	60	54	131	59	60	54	131	62	70	56	133
		114A+116A	41.7	50.2	70	70	129	72	80	66	131	73	80	66	131	75	80	68	133
		NONE	-	-	13	15	77	17	17	17	81	14	15	15	79	18	20	19	83
		118A	17.0	20.4	28	30	77	33	35	30	81	30	30	30	79	35	35	32	83
		119A	34.0	40.9	54	60	77	58	60	53	81	56	60	51	79	60	70	55	83
		NONE	-	-	13	15	81	17	20	18	85	15	20	15	83	19	20	20	87
		118A	17.0	20.4	28	30	81	33	35	30	85	31	35	28	83	35	35	32	87
		119A	34.0	40.9	54	60	81	59	60	54	85	56	60	51	83	61	70	56	87
575-3-60	STD	NONE	-	-	14	14	92	18	20	96	16	20	16	94	19	25	21	98	
		118A	17.0	20.4	29	30	92	34	35	31	96	32	35	29	94	40	33	98	
		119A	34.0	40.9	55	60	92	60	60	55	96	57	60	52	94	62	57	98	

See: "Legend and Notes for Tables 1 - 4" on page 41.

**Table 1 - Unit Wire/Fuse or HACR Breaker Sizing Data (cont)**

UNIT	NO M. V-PH-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.										w/ PWRD C.O.									
			CRHEATER**A00	Nom (kW)	FLA	NO PE.					w/ PE. (pwrd fr/unit)					NO PE.					w/ PE. (pwrd fr/unit)				
						MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	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*D09	460-3-60	STD	NONE	-	-	39/39	50/50	41/41	208	43/43	50/50	45/45	212	44/44	50/50	46/46	213	48/48	60/60	51/50	217	217	217	217	
			117A	7.8/10.4	21.7/25.0	39/39	50/50	41/41	208/208	43/43	50/50	45/45	212/212	44/44	50/50	46/46	213/213	48/48	60/60	51/50	217/217	217	217	217	217
			110A	12.0/16.0	33.4/38.5	49/55	50/60	44/50	208/208	53/59	60/60	49/54	212/212	55/61	60/70	50/55	213/213	59/65	70/70	60/60	51/50	217/217	217	217	217
			111A	18.6/24.8	51.7/59.7	72/81	80/90	66/74	208/208	76/86	80/90	70/79	212/212	78/87	80/90	80/90	71/80	213/213	82/92	90/100	75/84	217/217	217	217	217
			112A	24.0/32.0	66.7/77.0	90/103	100/110	83/94	208/208	95/108	100/110	87/99	212/212	96/109	100/110	100/110	88/100	213/213	101/114	110/125	93/104	217/217	217	217	217
			112A+117A	31.8/42.4	88.4/102.0	117/134	125/150	108/123	208/208	122/139	125/150	112/127	212/212	123/140	125/150	125/150	113/128	213/213	128/145	150/150	118/133	217/217	217	217	217
		MED	NONE	-	-	41/41	50/50	43/43	229	45/45	50/50	47/47	233	46/46	50/50	48/48	234	50/50	60/60	53/53	238	238	238	238	
			117A	7.8/10.4	21.7/25.0	41/41	50/50	43/43	229/229	45/45	50/50	47/47	233/233	46/46	50/50	48/48	234/234	50/51	60/60	53/53	238/238	238	238	238	
			110A	12.0/16.0	33.4/38.5	51/57	60/60	46/52	229/229	56/62	60/70	51/56	233/233	57/63	60/70	52/58	234/234	62/68	70/70	56/62	238/238	238	238	238	
			111A	18.6/24.8	51.7/59.7	74/83	80/90	67/76	229/229	78/88	80/90	72/81	233/233	80/89	80/90	73/82	234/234	84/94	90/100	77/86	238/238	238	238	238	
			112A	24.0/32.0	66.7/77.0	92/105	100/110	85/96	229/229	97/110	100/110	89/101	233/233	98/111	100/125	90/102	234/234	103/116	110/125	95/106	238/238	238	238	238	
			112A+117A	31.8/42.4	88.4/102.0	120/136	125/150	110/125	229/229	124/141	125/150	114/129	233/233	126/142	150/150	115/131	234/234	130/147	150/150	119/135	238/238	238	238	238	
50HC*D09	460-3-60	STD	NONE	-	-	45	50	47	258	49	60	52	262	50	60	53	263	53	60	57	267	267	267		
			117A	7.8/10.4	21.7/25.0	45/45	50/50	47/47	258/258	49/50	60/60	52/52	262/262	50/51	60/60	53/53	263/263	53/56	60/60	57/57	267/267	267	267		
			110A	12.0/16.0	33.4/38.5	55/62	60/70	51/56	258/258	60/67	60/70	55/61	262/262	61/68	70/70	56/62	263/263	66/73	70/80	60/66	267/267	267	267		
			111A	18.6/24.8	51.7/59.7	78/88	80/90	72/81	258/258	83/93	90/100	76/85	262/262	84/94	90/100	77/86	263/263	89/99	90/100	82/91	267/267	267	267		
			112A	24.0/32.0	66.7/77.0	97/110	100/110	89/101	258/258	102/115	110/125	93/105	262/262	103/116	110/125	94/106	263/263	108/121	110/125	99/111	267/267	267	267		
			112A+117A	31.8/42.4	88.4/102.0	124/141	125/150	114/129	258/258	129/146	150/150	118/134	262/262	130/147	150/150	119/135	263/263	135/152	150/175	124/139	267/267	267	267		
		MED	NONE	-	-	19	20	19	104	20	25	21	106	21	25	25	106	23	25	24	24	108	108		
			116A	13.9	16.7	24	25	22	114	21	25	21	116	22	25	25	116	23	25	25	25	118	118		
			113A	16.5	19.8	28	30	23	114	28	30	25	116	28	30	30	116	26	26	28	28	118	118		
			114A	27.8	33.4	45	45	27	114	32	35	29	116	32	35	35	116	29	29	31	31	118	118		
			115A	33.0	39.7	53	60	41	114	48	50	44	116	49	50	50	116	45	45	47	47	118	118		
			114A+116A	41.7	50.2	66	70	61	114	57	60	50	114	57	60	60	116	52	52	54	54	118	118		
575-3-60	460-3-60	STD	NONE	-	-	21	25	22	129	23	25	131	24	25	131	25	25	25	21	24	133	133			
			116A	13.9	16.7	28	30	25	129	30	30	27	131	31	35	131	28	28	30	30	133	133			
			113A	16.5	19.8	32	35	29	129	34	35	31	131	35	35	35	131	31	31	33	33	133	133		
			114A	27.8	33.4	49	50	45	129	51	60	47	131	52	60	60	131	47	47	40	40	133	133		
			115A	33.0	39.7	57	60	52	129	59	60	54	131	59	60	60	131	54	54	49	49	133	133		
			114A+116A	41.7	50.2	67	70	64	129	72	80	66	131	73	80	80	131	66	66	70	70	133	133		
		MED	NONE	-	-	14	15	14	77	18	20	19	81	16	20	81	16	16	16	21	21	83	83		
			118A	17.0	20.4	28	30	25	77	33	35	30	81	30	30	30	81	27	27	32	32	83	83		
			119A	34.0	40.9	54	60	49	77	58	60	53	81	56	60	60	79	51	51	55	55	83	83		
			119A	34.0	40.9	54	60	49	81	59	60	54	85	56	60	60	83	51	51	56	56	87	87		
			119A	34.0	40.9	54	60	49	81	59	60	54	85	56	60	60	83	51	51	56	56	87	87		
			119A	34.0	40.9	54	60	49	81	59	60	54	85	56	60	60	83	51	51	56	56	87	87		

See: "Legend and Notes for Tables 1 - 4" on page 41.



Table 1 - 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	NO PE.				w/ PE. (pwrd fr/unit)				NO PE.				w/ PE. (pwrd fr/unit)						
						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	LRA			FLA	LRA			FLA	LRA			FLA	LRA			
50HC*D11	STD	NONE	NONE	-	-	51/50	60/60	53/53	284	54/54	60/60	57/57	288	55/55	60/60	59/58	289	59/59	70/70	63/63	289/289	63/63	293	
		117A	117A	7.8/10.4	21.7/25.0	51/50	60/60	53/53	284/284	54/54	60/60	57/57	288/288	55/55	60/60	59/58	289/289	59/59	70/70	63/63	289/289	63/63	283/283	
		110A	110A	12.0/16.0	33.4/38.5	51/57	60/60	53/53	284/284	56/62	60/70	57/57	288/288	57/63	60/70	59/58	289/289	62/68	70/70	63/63	289/289	63/63	283/283	
		112A	112A	24.0/32.0	66.7/77.0	92/105	100/110	89/101	313/313	102/115	100/110	89/101	317/317	98/111	100/125	100/125	90/102	289/289	103/116	110/125	95/106	289/289	95/106	293/293
		112A+117A	112A+117A	31.8/42.4	88.4/102.0	120/136	125/150	110/125	284/284	124/141	125/150	114/129	288/288	126/142	150/150	115/131	289/289	130/147	150/150	119/135	289/289	119/135	293/293	
		112A+110A	112A+110A	37.8/50.0	104.2/120.3	139/129	150/150	128/146	284/284	144/134	150/150	132/150	288/288	145/135	150/150	133/152	289/289	150/140	150/150	138/156	289/289	138/156	293/293	
		NONE	NONE	-	-	54	60	57	313	58	70	62	317	59	70	63	318	63	70	67	322	322/322	67	322
		117A	117A	7.8/10.4	21.7/25.0	54/54	60/60	57/57	313/313	58/58	70/70	62/62	317/317	59/59	70/70	63/63	318/318	63/63	70/70	67/67	322/322	63/63	322/322	
		110A	110A	12.0/16.0	33.4/38.5	55/62	60/70	57/57	313/313	60/67	70/70	62/62	317/317	61/68	70/70	63/63	318/318	66/73	70/80	67/67	322/322	63/63	322/322	
		112A	112A	24.0/32.0	66.7/77.0	97/110	100/110	89/101	313/313	102/115	110/125	93/105	317/317	103/116	110/125	94/106	318/318	108/121	110/125	99/111	322/322	94/106	322/322	
112A+117A	112A+117A	31.8/42.4	88.4/102.0	124/141	125/150	114/129	313/313	129/146	150/150	118/134	317/317	130/147	150/150	119/135	318/318	135/152	150/175	124/139	322/322	119/135	322/322			
112A+110A	112A+110A	37.8/50.0	104.2/120.3	144/137	150/150	135/153	315/315	152/141	175/175	140/157	319/319	154/143	175/175	141/158	320/320	158/147	175/175	145/163	322/322	142/160	322/322			
460-3-60	STD	NONE	NONE	-	-	23	25	24	136	25	30	26	138	25	30	27	138	27	30	29	140	29	140	
		116A	116A	13.9	16.7	26	30	24	136	28	30	26	138	28	30	27	138	31	35	29	140	31	155	
		113A	113A	16.5	19.8	29	30	27	136	32	35	29	138	32	35	29	138	34	35	31	140	33	155	
		115A	115A	33.0	39.7	54	60	50	136	57	60	52	138	57	60	52	138	59	60	54	140	54	155	
		114A+116A	114A+116A	41.7	50.2	67	70	62	136	70	70	64	138	70	70	64	138	72	80	66	140	66	155	
		115A+113A	115A+113A	50.0	60.1	65	70	73	136	67	70	75	138	68	70	76	138	70	80	78	140	78	155	
		NONE	NONE	-	-	25	30	26	151	27	30	28	153	27	30	29	153	29	35	31	155	31	155	
		116A	116A	13.9	16.7	28	30	26	151	30	30	28	153	31	35	29	153	33	35	31	155	33	155	
		113A	113A	16.5	19.8	32	35	29	151	34	35	31	153	35	35	31	153	37	40	33	155	33	155	
		115A	115A	33.0	39.7	57	60	52	151	59	60	54	153	59	60	54	153	62	70	56	155	56	155	
114A+116A	114A+116A	41.7	50.2	70	70	64	151	72	80	66	153	73	80	66	153	75	80	68	155	68	155			
115A+113A	115A+113A	50.0	60.1	67	80	75	151	69	80	77	153	70	80	78	153	72	80	80	155	72	155			
575-3-60	STD	NONE	NONE	-	-	26	30	28	152	28	30	30	154	28	30	30	154	28	30	35	32	24	101	
		116A	116A	13.9	16.7	29	30	28	152	32	35	30	154	32	35	30	154	34	35	32	35	24	101	
		113A	113A	16.5	19.8	33	35	30	152	35	35	32	154	36	40	33	154	38	40	35	35	24	101	
		115A	115A	33.0	39.7	58	60	53	152	60	60	55	154	61	70	56	154	63	70	58	156	57	112	
		114A+116A	114A+116A	41.7	50.2	71	80	65	152	73	80	67	154	74	80	68	154	76	80	70	156	68	112	
		115A+113A	115A+113A	50.0	60.1	69	80	76	152	71	80	79	154	71	80	79	154	74	80	81	156	79	112	
		NONE	NONE	-	-	18	20	18	95	21	25	23	99	19	25	20	97	23	25	24	101	25	112	
		118A	118A	17.0	20.4	28	30	26	95	33	35	30	99	31	35	28	97	35	35	32	101	32	112	
		119A	119A	34.0	40.9	54	60	49	95	59	60	54	99	56	60	51	97	61	70	56	101	61	112	
		118A+119A	118A+119A	51.0	61.3	64	70	73	95	69	80	77	99	66	70	75	97	71	80	79	101	71	112	
575-3-60	MED	NONE	NONE	-	-	18	20	19	106	22	25	23	110	20	25	21	108	24	25	25	25	25	112	
		118A	118A	17.0	20.4	29	30	27	106	34	35	31	110	32	35	29	108	36	40	33	33	112		
		119A	119A	34.0	40.9	55	60	50	106	60	60	55	110	57	60	52	108	62	70	57	57	112		
		118A+119A	118A+119A	51.0	61.3	65	70	74	106	70	80	78	110	67	70	76	108	72	80	80	80	72	112	
		NONE	NONE	-	-	21	25	22	120	25	30	27	124	23	25	24	122	27	30	29	29	29	126	
		118A	118A	17.0	20.4	33	35	30	120	38	40	34	124	35	35	32	122	40	40	36	36	36	126	
		119A	119A	34.0	40.9	59	60	53	120	63	70	58	124	61	70	55	122	65	70	60	60	60	126	
		118A+119A	118A+119A	51.0	61.3	69	80	77	120	74	80	81	124	71	80	79	122	76	80	83	83	83	126	

See: Legend and Notes for Tables 1 - 4 \* on page 41.

Table 1 - Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	IFM TYPE	ELEC. HTR	NO C.O. or UNPWR C.O.										w/ PWRD C.O.											
			NO PE.					w/ PE. (pwrd fr/unit)					NO PE.					w/ PE. (pwrd fr/unit)						
			MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	MCA	FUSE or HACR BRKR	DISC. SIZE	
					FLA	LRA					FLA	LRA					FLA	LRA					FLA	LRA
50HC*D12	STD	NONE	117A	7.8/10.4	21.7/25.0	49/49	60/60	52/51	309	53/53	60/60	56/56	313	54/54	60/60	57/57	314	58/58	70/70	62/61	318			
						49/49	60/60	52/51	309/309	53/53	60/60	56/56	313/313	54/54	60/60	57/57	314/314	58/58	70/70	62/61	318			
						51/57	60/60	52/52	309/309	56/62	60/70	56/56	313/313	57/63	60/70	57/58	314/314	62/68	70/70	62/62	318/318			
						92/105	100/110	85/96	309/309	97/110	100/110	89/101	313/313	98/111	100/125	100/125	90/102	314/314	103/116	110/125	95/106	318/318		
						120/136	125/150	110/125	309/309	124/141	125/150	114/129	313/313	126/142	150/150	150/150	115/131	314/314	130/147	150/150	119/135	318/318		
						139/129	150/150	128/146	309/309	144/134	150/150	132/151	313/313	145/135	150/150	150/150	133/152	314/314	150/147	150/150	119/156	318/318		
						53	60	56	338	57	70	60	342	58	70	61	343	62	70	66	347			
						53/53	60/60	56/56	338/338	57/57	70/70	60/60	342/342	58/58	70/70	61/61	343/343	62/62	70/70	66/66	347/347			
						55/62	60/70	56/56	338/338	60/67	70/70	60/61	342/342	61/68	70/70	61/62	343/343	66/73	70/80	66/66	347/347			
						97/110	100/110	89/101	338/338	102/115	110/125	93/105	342/342	103/116	110/125	94/106	343/343	108/121	110/125	99/111	347/347			
						124/141	125/150	114/129	338/338	129/146	150/150	118/134	342/342	130/147	150/150	119/135	343/343	135/152	150/175	124/139	347/347			
						144/134	150/150	132/151	338/338	149/139	150/150	136/155	342/342	150/140	150/150	138/156	343/343	155/145	175/175	142/160	347/347			
56/55	60/60	59/58	340	60/59	70/70	64/63	344	61/60	70/70	65/64	345	65/64	80/70	69/68	349									
56/55	60/60	59/58	340/340	60/59	70/70	64/63	344/344	61/60	70/70	65/64	345/345	65/64	80/70	69/68	349/349									
59/64	60/70	59/59	340/340	64/69	70/70	64/63	344/344	65/70	70/70	65/64	345/345	70/75	80/80	69/69	349/349									
101/113	110/125	92/103	340/340	106/117	110/125	97/108	344/344	107/119	110/125	98/109	345/345	112/123	125/125	102/113	349/349									
128/144	150/150	117/132	340/340	133/149	150/150	122/136	344/344	134/150	150/150	123/137	345/345	139/155	150/175	127/142	349/349									
148/137	150/150	135/153	340/340	152/141	175/175	140/157	344/344	154/143	175/175	141/158	345/345	158/147	175/175	145/163	349/349									
24	30	25	148	26	30	27	150	26	30	28	150	28	30	30	152									
26	30	25	148	28	30	27	150	28	30	28	150	31	35	30	152									
29	30	27	148	32	35	29	150	32	35	29	150	34	35	31	152									
54	60	50	148	57	60	52	150	57	60	52	150	59	60	54	152									
67	70	62	148	67	70	64	150	70	70	64	150	72	80	66	152									
65	70	73	148	67	70	75	150	68	70	76	150	70	80	78	152									
26	30	27	163	28	30	29	165	28	30	30	165	30	35	32	167									
28	30	27	163	30	30	29	165	31	35	30	165	33	35	32	167									
32	35	29	163	34	35	31	165	35	35	31	165	37	40	33	167									
57	60	52	163	59	60	54	165	59	60	54	165	63	70	56	167									
70	70	64	163	72	80	66	165	73	80	66	165	75	80	68	167									
67	80	75	163	69	80	77	165	70	80	78	165	72	80	80	167									
27	30	29	164	29	35	31	166	29	35	31	166	31	35	33	168									
29	30	29	164	32	35	31	166	32	35	31	166	34	35	33	168									
33	35	30	164	35	35	32	166	36	40	33	166	38	40	35	168									
58	60	53	164	60	60	55	166	61	70	56	166	63	70	58	168									
71	80	65	164	73	80	67	166	74	80	68	166	76	80	70	168									
69	80	76	164	71	80	79	166	71	80	79	166	74	80	81	168									
18	20	18	105	22	25	23	109	19	25	20	107	23	25	25	111									
28	30	26	105	33	35	30	109	31	35	28	107	35	35	32	111									
54	60	49	105	59	60	54	109	56	60	51	107	61	70	56	111									
64	70	73	105	69	80	77	109	66	70	75	107	71	80	79	111									
19	20	19	116	22	25	24	120	20	25	21	118	24	30	26	122									
29	30	27	116	34	35	31	120	32	35	29	118	36	40	33	122									
55	60	50	116	60	60	55	120	57	60	52	118	62	70	57	122									
65	70	74	116	70	80	78	120	67	70	76	118	72	80	80	122									
21	25	22	130	25	30	27	134	23	25	24	132	27	30	29	136									
33	35	30	130	38	40	34	134	35	35	32	132	40	40	36	136									
60	60	53	130	63	70	58	134	61	70	55	132	65	70	60	136									
69	80	77	130	74	80	81	134	71	80	79	132	76	80	83	136									

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See: "Legend and Notes for Tables 1 - 4" on page 41.

Table 1 - Unit Wire/Fuse or HACR Breaker Sizing Data (cont)

UNIT	NO M V - Ph - HZ	ELEC. HTR				NO C.O. or UNPWR C.O.												w/ PWRD C.O.				
		CRHEATER**A00	Nom (kW)	FLA	IFM TYPE	NO PE.				w/ PE. (pwrd fr/unit)				NO PE.				w/ PE. (pwrd fr/unit)				
						MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or BRKR	FLA	DISC. SIZE	MCA	FUSE or BRKR	FLA	DISC. SIZE	MCA	FUSE or BRKR	FLA	DISC. SIZE	
FLA	LRA	FLA	LRA	MCA	FUSE or BRKR	FLA	LRA	MCA	FUSE or BRKR	FLA	LRA	MCA	FUSE or BRKR	FLA	LRA	MCA	FUSE or BRKR	FLA	LRA			
208/230-3-60	STD	NONE	-	-		56/56	70/70	59/58	330	60/60	70/70	63/63	334	61/61	70/70	64/64	335	65/65	80/80	68/68	339	
		291A	12.4/16.5	34.4/39.7		56/60	70/70	59/58	330/330	60/65	70/70	63/63	334/334	61/66	70/70	64/64	335/335	65/71	80/80	68/68	339/339	
		288A+291A	19.9/26.5	55.3/63.8		80/91	80/100	73/83	330/330	85/95	90/100	78/87	334/334	86/97	90/100	90/100	79/88	335/335	91/101	100/110	83/93	339/339
		294A	25.2/33.5	69.9/80.6		98/112	100/125	90/102	330/330	103/116	110/125	94/107	334/334	104/118	110/125	110/125	96/108	335/335	109/122	110/125	100/112	339/339
		288A+294A	32.7/43.5	90.7/104.7		124/142	125/150	114/130	330/330	129/146	150/150	118/134	334/334	130/148	150/150	150/150	119/135	335/335	135/152	150/175	124/140	339/339
		291A+294A	37.9/50.0	104.3/120.3		141/131	150/150	130/148	330/330	146/136	150/150	134/152	334/334	147/137	150/150	135/153	335/335	152/142	175/150	139/158	339/339	
		NONE	-	-		58	70	61	344	62	80	65	348	63	80	67	349	67	80	71	71	353
		291A	12.4/16.5	34.4/39.7		58/63	70/70	61/61	344/344	62/68	80/80	65/65	348/348	63/69	80/80	67/67	349/349	67/74	80/80	71/71	71/71	353/353
		288A+291A	19.9/26.5	55.3/63.8		83/93	90/100	76/86	344/344	88/98	90/100	80/90	348/348	89/99	90/100	81/91	349/349	94/104	100/110	86/95	86/95	353/353
		294A	25.2/33.5	69.9/80.6		101/114	110/125	93/105	344/344	106/119	110/125	97/109	348/348	107/120	110/125	110/125	98/110	349/349	112/125	125/125	102/115	353/353
288A+294A	32.7/43.5	90.7/104.7		127/145	150/150	116/133	344/344	132/149	150/150	121/137	348/348	133/151	150/175	150/175	122/138	349/349	138/155	150/175	126/142	353/353		
291A+294A	37.9/50.0	104.3/120.3		144/134	150/150	132/151	344/344	149/139	150/150	137/155	348/348	150/140	150/150	138/156	349/349	155/145	175/175	142/160	142/160	353/353		
50HC*D14	HIGH	NONE	-	-		68	80	72	350	72	80	77	354	73	80	78	355	77	90	82	359	
		291A	12.4/16.5	34.4/39.7		69/76	80/80	72/72	350/350	74/80	80/80	77/77	354/354	75/82	80/90	78/78	355/355	80/86	90/90	82/82	359/359	
		288A+291A	19.9/26.5	55.3/63.8		95/106	100/110	87/97	350/350	100/110	100/125	91/101	354/354	101/112	110/125	93/102	355/355	106/116	110/125	97/107	359/359	
		294A	25.2/33.5	69.9/80.6		113/127	125/150	104/116	350/350	118/131	125/150	108/121	354/354	119/133	150/150	109/122	355/355	124/137	125/150	114/126	359/359	
		288A+294A	32.7/43.5	90.7/104.7		139/157	150/175	128/144	350/350	144/162	150/175	132/148	354/354	145/163	150/175	133/149	355/355	150/168	150/175	138/154	359/359	
		291A+294A	37.9/50.0	104.3/120.3		156/146	175/175	143/162	350/350	161/151	175/175	148/166	354/354	162/152	175/175	149/167	355/355	167/157	175/175	153/172	359/359	
		NONE	-	-		29	35	30	166	31	35	32	168	31	40	32	168	33	40	35	35	170
		292A	16.5	19.9		31	35	30	166	33	35	32	168	33	40	32	168	36	40	35	35	170
		289A+292A	26.5	31.9		46	50	42	166	48	50	44	168	48	50	44	168	51	60	46	46	170
		295A	33.5	40.3		56	60	51	166	58	60	53	168	59	60	54	168	61	70	56	56	170
289A+295A	43.5	52.3		71	80	65	166	73	80	67	168	74	80	68	168	76	80	70	70	170		
292A+295A	50.0	60.2		66	70	74	166	68	80	76	168	69	80	77	168	71	80	79	79	170		
460-3-60	MED	NONE	-	-		30	35	31	173	32	40	33	175	32	40	34	175	34	40	36	177	
		292A	16.5	19.9		32	35	31	173	34	40	33	175	35	40	34	175	37	40	36	177	
		289A+292A	26.5	31.9		47	50	43	173	49	50	45	175	50	50	45	175	52	60	47	177	
		295A	33.5	40.3		57	60	52	173	60	60	55	175	60	60	55	175	62	70	57	177	
		289A+295A	43.5	52.3		72	80	66	173	75	80	68	175	75	80	69	175	77	80	71	177	
		292A+295A	50.0	60.2		67	80	75	173	70	80	77	175	70	80	78	175	72	80	80	177	
		NONE	-	-		35	40	37	176	37	45	39	178	37	45	39	178	39	45	41	180	
		292A	16.5	19.9		38	40	37	176	40	45	39	178	41	45	39	178	43	45	41	180	
		289A+292A	26.5	31.9		53	60	48	176	55	60	50	178	56	60	51	178	58	60	53	180	
		295A	33.5	40.3		64	70	58	176	66	70	60	178	66	70	61	178	69	70	63	180	
289A+295A	43.5	52.3		79	80	72	176	81	90	74	178	81	90	74	178	84	90	76	180			
292A+295A	50.0	60.2		73	80	81	176	76	80	83	178	76	80	83	178	78	80	86	86	180		

See: Legend and Notes for Tables 1 - 4 \* on page 41.

**Table 1 - 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	NO PE.			w/ PE. (pwr'd fr/unit)			NO PE.			w/ PE. (pwr'd fr/unit)						
						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	-	-	22	25	23	128	26	30	27	132	24	30	25	130	28	30	29	134
			298A	16.5	15.9	24	25	23	128	29	30	27	132	26	30	25	130	31	35	29	134
			290A+293A	26.5	25.5	36	40	33	128	41	45	37	132	38	40	35	130	43	45	39	134
			296A	33.5	32.2	44	45	40	128	49	50	45	132	46	50	42	130	51	60	47	134
			290A+296A	43.5	41.8	56	60	51	128	61	70	56	132	58	60	53	130	63	70	58	134
50HC*D14	575-3-60	MED	293A+296A	50.0	48.1	52	60	59	128	57	60	63	132	54	60	60	130	59	60	65	134
			NONE	-	-	22	25	23	128	26	30	27	132	24	30	25	130	28	30	29	134
			298A	16.5	15.9	24	25	23	128	29	30	27	132	26	30	25	130	31	35	29	134
			290A+293A	26.5	25.5	36	40	33	128	41	45	37	132	38	40	35	130	43	45	39	134
			296A	33.5	32.2	44	45	40	128	49	50	45	132	46	50	42	130	51	60	47	134
50HC*D14	575-3-60	HIGH	290A+296A	43.5	41.8	56	60	51	128	61	70	56	132	58	60	53	130	63	70	58	134
			293A+296A	50.0	48.1	52	60	59	128	57	60	63	132	54	60	60	130	59	60	65	134
			NONE	-	-	29	35	30	140	32	40	34	144	30	35	32	142	34	40	36	146
			298A	16.5	15.9	32	35	30	140	36	40	34	144	34	35	32	142	38	40	36	146
			290A+293A	26.5	25.5	44	45	40	140	48	50	44	144	46	50	42	142	50	60	46	146
50HC*D14	575-3-60	HIGH	296A	33.5	32.2	52	60	47	140	57	60	52	144	54	60	49	142	59	60	54	146
			290A+296A	43.5	41.8	64	70	58	140	69	70	63	144	66	70	60	142	71	80	65	146
			293A+296A	50.0	48.1	60	70	66	140	65	70	70	144	62	70	68	142	67	70	72	146

See: "Legend and Notes for Tables 1 - 4" on page 41.

Table 2 - Unit Wire Sizing Data with Factory Installed HACR Breaker

Table with 12 columns: UNIT, NO M.V.-Ph-HZ, IFIM TYPE, ELEC. HTR (CRHEATER\*\*A00, Nom (kW), FLA), NO PE. (HACR BRKR, MCA, DISC. SIZE), w/ PE. (pwrd fr/unit), NO PE. (HACR BRKR, MCA, DISC. SIZE), w/ PWRD C.O. (HACR BRKR, MCA, DISC. SIZE), LRA. Rows include configurations for DD, STD, MED, and HIGH units with various heater ratings and wire sizes.

See: Legend and Notes for Tables 1 - 4 \* on page 41.



Table 2 - Unit Wire Sizing Data with Factory Installed HACR Breaker (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	NO PE.				w/ PE. (pwr'd fr/unit)				NO PE.				w/ PE. (pwr'd fr/unit)					
						MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA			
50HC**A04	460-3-60	DD-STD	NONE	-	-	12	43	13	15	15	13	44	14	20	20	14	45	15	20	20	16	46	
			106A	6.0	7.2	13	43	16	15	15	15	14	44	17	20	20	15	45	18	20	20	17	46
			107A	8.8	10.6	17	43	20	20	20	20	18	44	21	25	25	19	45	23	25	25	20	46
			108A	11.5	13.8	23	43	24	25	25	25	22	44	25	25	25	23	45	27	30	30	24	46
		109A	14.0	16.8	26	43	28	30	30	30	25	44	29	30	30	26	45	30	30	30	28	46	
		STD	NONE	-	-	10	48	12	15	15	15	11	49	13	15	15	13	50	14	20	20	14	51
			106A	6.0	7.2	11	48	14	15	15	15	12	49	15	15	15	14	50	17	20	20	15	51
			107A	8.8	10.6	15	48	18	20	20	20	16	49	20	20	20	18	50	21	25	25	19	51
			108A	11.5	13.8	21	48	22	25	25	25	20	49	24	25	25	21	50	25	25	25	23	51
		HIGH	109A	14.0	16.8	25	48	26	25	25	25	23	49	27	30	30	25	50	29	30	30	26	51
NONE	-		-	10	48	12	15	15	15	11	49	13	15	15	13	50	14	20	20	14	51		
106A	6.0		7.2	11	48	14	15	15	15	12	49	15	15	15	14	50	17	20	20	15	51		
107A	8.8		10.6	15	48	18	20	20	20	16	49	20	20	20	18	50	21	25	25	19	51		
DD-STD	108A	11.5	13.8	22	48	22	25	25	25	20	49	24	25	25	21	50	25	25	25	23	51		
	109A	14.0	16.8	26	48	27	30	30	30	23	49	27	30	30	25	50	29	30	30	26	51		
	NONE	-	-	10	42	12	15	15	15	12	44	11	15	15	12	44	13	15	15	14	46		
	297A	9.2	9.2	17	42	19	20	20	20	17	44	19	20	20	17	44	21	25	25	19	46		
STD	298A	13.8	13.8	23	42	25	25	25	25	23	44	25	25	25	22	44	27	30	30	25	46		
	NONE	-	-	6	45	9	15	15	15	9	47	9	15	15	8	47	11	15	15	10	49		
	297A	9.2	9.2	12	45	16	15	15	15	14	47	16	20	20	14	47	18	20	20	16	49		
	298A	13.8	13.8	19	45	22	20	20	20	19	47	21	25	25	19	47	24	25	25	21	49		
MED	NONE	-	-	6	45	9	15	15	15	9	47	9	15	15	8	47	11	15	15	10	49		
	297A	9.2	9.2	13	45	16	15	15	15	14	47	16	20	20	14	47	18	20	20	16	49		
	298A	13.8	13.8	19	45	22	20	20	20	19	47	21	25	25	19	47	24	25	25	21	49		
	NONE	-	-	7	45	9	15	15	15	9	47	9	15	15	8	47	11	15	15	10	49		
HIGH	297A	9.2	9.2	14	49	17	15	15	15	13	51	17	20	20	15	51	19	20	20	17	53		
	298A	13.8	13.8	20	49	23	20	20	20	20	51	22	25	25	20	51	25	25	25	22	53		

See: "Legend and Notes for Tables 1 - 4" on page 41.

Table 2 - Unit Wire Sizing Data with Factory Installed HACR Breaker (cont)

UNIT	NO M, V-Ph-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.												w/ PWRD C.O.					
			CRHEATER**A00	Nom (kW)	FLA	NO PE.				w/ P.E. (pwrd fr/unit)				NO PE.				w/ P.E. (pwrd fr/unit)					
						MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE		
						DISC. SIZE		DISC. SIZE		DISC. SIZE		DISC. SIZE		DISC. SIZE		DISC. SIZE		DISC. SIZE					
50HC*A05	208/230-3-60	DD-STD	NONE	-	-	37	50	35	127	38	50	37	129	41	60	41	132	43	60	43	134		
			101A	3.3/4.4	15.9/18.3	37/37	50/50	35/35	127/127	38/38	50/50	37/37	129/129	41/41	60/60	41/41	132/132	43/43	60/60	43/43	134/134		
			103B	6.5/8.7	31.4/36.3	55/55	60/60	45/50	127/127	57/57	60/60	60/60	47/52	129/129	50/56	70/70	63/63	132/132	63/63	70/70	52/58	134/134	
			102A+102A	9.8/13.0	46.9/54.2	77/77	80/80	62/71	127/127	80/80	80/80	80/80	65/73	129/129	68/76	90/90	83/83	132/132	86/86	90/90	70/79	134/134	
			103B+103B	13.1/17.4	62.8/72.5	100/100	100/100	81/92	127/127	103/103	110/110	110/110	83/94	129/129	106/106	86/97	110/110	109/109	110/110	88/100	110/110	134/134	
			104B+104B	15.8/21.0	75.8/87.5	119/119	125/125	96/109	127/127	121/121	125/125	125/125	98/111	129/129	125/125	101/115	125/125	127/127	103/117	150/150	103/117	134/134	
			NONE	-	-	34	50	32	132	36	50	35	134	39	137	38	60	38	137	41	60	40	139
			101A	3.3/4.4	15.9/18.3	34/34	50/50	32/32	132/132	36/36	50/50	35/35	134/134	39/39	137/137	38/38	60/60	41/41	137/137	41/41	60/60	40/40	139/139
			103B	6.5/8.7	31.4/36.3	52/52	60/60	42/47	132/132	54/54	60/60	60/60	44/50	134/134	47/53	60/60	60/60	60/60	137/137	60/60	60/60	49/55	139/139
			102A+102A	9.8/13.0	46.9/54.2	74/74	80/80	60/68	132/132	77/77	80/80	80/80	62/70	134/134	65/73	80/80	83/83	137/137	83/83	90/90	67/76	139/139	
			103B+103B	13.1/17.4	62.8/72.5	97/97	100/100	78/89	132/132	100/100	100/100	100/100	80/91	134/134	103/103	83/95	110/110	106/106	106/106	110/110	86/97	139/139	
			104B+104B	15.8/21.0	75.8/87.5	116/116	125/125	93/106	132/132	118/118	125/125	125/125	95/108	134/134	122/122	98/112	124/124	124/124	101/114	125/125	101/114	139/139	
50HC*A05	208/230-3-60	DD-STD	NONE	-	-	26	30	26	83	26	40	28	95	31	40	31	98	33	45	34	100		
			102A	4.9/6.5	13.6/15.6	29/29	30/30	26/26	93/93	32/32	40/40	28/29	95/95	32/32	107/107	40/40	38/38	107/107	45/45	34/34	100/100		
			103B	6.5/8.7	18.1/20.9	36/36	40/40	29/33	93/93	38/38	40/40	32/35	95/95	42/42	107/107	45/45	60/60	107/107	44/44	45/45	37/40	100/100	
			105A	12.0/16.0	33.4/38.5	58/58	60/60	47/53	93/93	60/60	60/60	49/55	95/95	64/64	107/107	70/70	66/66	107/107	66/66	70/70	55/60	100/100	
			104B+104B	15.8/21.0	43.8/50.5	73/73	80/80	59/67	93/93	75/75	80/80	61/69	95/95	79/79	107/107	80/80	81/81	107/107	81/81	90/90	67/74	100/100	
			NONE	-	-	24	30	23	105	26	30	26	107	29	110	29	40	29	110	31	40	31	112
			102A	4.9/6.5	13.6/15.6	26/26	30/30	23/24	105/105	29/29	30/30	26/26	107/107	32/32	110/110	40/40	35/35	110/110	35/35	40/40	31/32	112/112	
			103B	6.5/8.7	18.1/20.9	33/33	35/35	27/30	105/105	35/35	40/40	29/32	107/107	39/39	110/110	40/40	41/41	110/110	41/41	45/45	35/38	112/112	
			105A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	105/105	57/57	60/60	47/52	107/107	61/61	110/110	70/70	63/63	110/110	63/63	70/70	52/58	112/112	
			104B+104B	15.8/21.0	43.8/50.5	70/70	70/70	56/64	105/105	72/72	80/80	59/66	107/107	76/76	110/110	80/80	78/78	110/110	78/78	80/80	64/72	112/112	
			NONE	-	-	24/24	30/30	23/23	122	26/26	30/30	26/25	124	29/29	127	31/31	40/40	31/31	127	31/31	40/40	31/31	129
			102A	4.9/6.5	13.6/15.6	26/26	30/30	23/24	122/122	28/28	30/30	26/26	124/124	32/32	127/127	40/40	34/34	127/127	34/34	40/40	31/31	129/129	
103B	6.5/8.7	18.1/20.9	33/33	35/35	27/30	122/122	35/35	40/40	29/32	124/124	39/39	127/127	40/40	41/41	127/127	41/41	45/45	35/37	129/129				
105A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	122/122	57/57	60/60	47/52	124/124	61/61	127/127	70/70	63/63	127/127	63/63	70/70	52/58	129/129				
104B+104B	15.8/21.0	43.8/50.5	70/70	70/70	56/64	122/122	72/72	80/80	59/66	124/124	76/76	127/127	80/80	78/78	127/127	78/78	80/80	64/71	129/129				
50HC*A05	208/230-3-60	HIGH	NONE	-	-	27/27	40/40	27/27	158	29/29	40/40	29/29	160	33/32	45/45	33/32	163	45/45	35/35	165			
			102A	4.9/6.5	13.6/15.6	30/30	40/40	27/27	158/158	33/33	40/40	29/30	160/160	36/36	163/163	39/39	163/163	45/45	35/35	165/165			
			103B	6.5/8.7	18.1/20.9	37/37	40/40	30/34	158/158	33/36	40/40	33/36	160/160	43/43	163/163	45/45	163/163	45/45	38/41	165/165			
			105A	12.0/16.0	33.4/38.5	59/59	60/60	48/54	158/158	61/61	70/70	50/56	160/160	65/65	163/163	70/70	67/67	163/163	70/70	56/62	165/165		
			104B+104B	15.8/21.0	43.8/50.5	74/74	80/80	60/68	158/158	76/76	80/80	62/70	160/160	80/80	163/163	80/80	82/82	163/163	80/90	68/75	165/165		

See: "Legend and Notes for Tables 1 - 4" on page 41.

Table 2 - Unit Wire Sizing Data with Factory Installed HACR Breaker (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	NO PE.				w/ PE. (pwr'd fr/unit)				NO PE.				w/ PE. (pwr'd fr/unit)			
						MCA	HACR BRKR	FLA	LRA	DISC. SIZE	MCA	HACR BRKR	FLA	LRA	DISC. SIZE	MCA	HACR BRKR	FLA	LRA	DISC. SIZE	MCA
50HC+A05	DD-STD	NONE	-	-	-	13	47	14	20	14	48	15	20	15	49	16	20	16	20	16	50
		108A	6.0	7.2	13	47	16	20	14	48	17	48	15	20	15	49	18	20	17	20	50
		108A	11.5	13.8	20	47	24	25	23	48	25	48	25	25	23	49	27	30	24	30	50
		108A	14.0	16.8	24	47	28	30	26	48	29	48	30	30	26	49	30	30	28	30	50
		108A+108A	23.0	27.7	36	47	41	45	43	48	43	48	45	45	39	49	44	45	40	45	50
		NONE	-	-	11	52	13	15	12	53	14	53	15	20	14	54	15	20	15	20	55
	STD	108A	6.0	7.2	11	52	14	15	12	53	15	53	15	20	14	54	17	20	15	20	55
		108A	11.5	13.8	19	52	22	25	21	54	24	54	25	25	21	54	25	25	23	25	55
		108A	14.0	16.8	22	52	26	30	23	53	27	53	30	30	25	54	29	30	26	30	55
		108A+108A	23.0	27.7	35	52	40	40	36	53	41	53	45	45	37	54	42	45	39	45	55
		NONE	-	-	11	61	13	15	12	62	14	62	15	15	14	63	15	20	15	20	64
		108A	6.0	7.2	11	61	14	15	12	62	15	62	15	15	14	63	17	20	15	20	64
MED	108A	11.5	13.8	19	61	22	25	21	62	24	62	25	25	21	63	25	25	22	25	64	
	108A	14.0	16.8	22	61	26	30	23	62	27	62	30	30	25	63	29	30	26	30	64	
	108A+108A	23.0	27.7	35	61	39	40	36	62	41	62	45	45	37	63	42	45	38	45	64	
	NONE	-	-	13	79	14	20	14	80	16	80	17	20	16	81	17	20	17	20	82	
	108A	6.0	7.2	13	79	16	20	14	80	17	80	17	20	16	81	19	20	17	20	82	
	108A	11.5	13.8	21	79	24	25	22	80	26	80	25	30	23	81	27	30	24	30	82	
HIGH	108A	14.0	16.8	24	79	28	30	25	80	29	80	30	30	27	81	31	35	28	35	82	
	108A+108A	23.0	27.7	37	79	42	45	38	80	43	80	45	45	39	81	44	45	40	45	82	
	NONE	-	-	11	39	13	15	13	41	13	41	15	15	13	41	15	20	15	20	43	
	297A	9.2	9.2	15	39	19	20	17	41	19	41	20	20	17	41	21	25	19	25	43	
	298A	13.8	13.8	20	39	25	25	23	41	25	41	25	25	22	41	27	30	25	30	43	
	NONE	-	-	8	42	10	15	10	44	10	44	15	15	10	44	12	15	12	15	46	
DD-STD	297A	9.2	9.2	12	42	16	20	14	44	16	44	20	20	14	44	18	20	16	20	46	
	298A	13.8	13.8	17	42	22	25	19	44	21	44	25	25	19	44	24	25	21	25	46	
	NONE	-	-	8	42	11	15	11	44	11	44	15	15	10	44	13	15	13	15	46	
	297A	9.2	9.2	12	42	16	20	14	44	16	44	20	20	14	44	18	20	16	20	46	
	298A	13.8	13.8	18	42	22	25	20	44	22	44	25	25	20	44	24	25	22	25	46	
	NONE	-	-	10	57	12	15	12	59	12	59	15	15	12	59	14	15	14	15	61	
STD	297A	9.2	9.2	14	57	18	20	16	59	18	59	20	20	16	59	20	20	18	20	61	
	298A	13.8	13.8	19	57	24	25	21	59	23	59	25	25	21	59	26	30	23	30	61	

See: "Legend and Notes for Tables 1 - 4" on page 41.

Table 2 - Unit Wire Sizing Data with Factory Installed HACR Breaker (cont)

UNIT	NO M, V-Ph-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.															
		CRHEATER**A00	Nom (kW)	FLA	NO PE.				w/ PE. (pwrd fr/unit)				NO PE.				w/ PWRD C.O.				
					MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	
50HC*A06	DD-STD	NONE	-	-	41	60	39	144	42	60	41	146	45	60	44	149	47	60	47	151	
		102A	4.9/6.5	23.5/27.1	44/44	60/60	39/40	144/144	46/46	60/60	41/42	146/146	50/50	60/60	44/45	149/149	52/52	60/60	47/47	151/151	
		103B	6.5/8.7	31.4/36.3	55/55	60/60	45/50	144/144	57/57	60/60	47/52	146/146	61/61	70/70	50/56	149/149	63/63	70/70	52/58	151/151	
		102A+102A	9.8/13.0	46.9/54.2	77/77	80/80	62/71	144/144	80/80	80/80	65/73	146/146	83/83	90/90	68/76	149/149	86/86	90/90	70/79	151/151	
		103B+103B	13.1/17.4	62.8/72.5	100/100	100/100	81/92	144/144	103/103	100/100	83/94	146/146	106/106	110/110	86/97	149/149	109/109	110/110	88/100	151/151	
		104B+104B	15.8/21.0	75.8/87.5	119/119	125/125	96/109	144/144	121/121	125/125	98/111	146/146	129/129	130/130	101/115	149/149	127/127	150/150	103/117	151/151	
		NONE	-	-	38	60	36	149	40	60	38	151	43	60	42	154	45	60	44	156	
		102A	4.9/6.5	23.5/27.1	40/40	60/60	36/37	149/149	43/43	60/60	38/39	151/151	46/46	60/60	42/42	154/154	49/49	60/60	44/45	156/156	
	208/230-1-60	STD	103B	6.5/8.7	31.4/36.3	52/52	60/60	42/47	149/149	54/54	60/60	44/50	151/151	58/58	60/60	47/53	154/154	60/60	60/60	49/55	156/156
			102A+102A	9.8/13.0	46.9/54.2	74/74	80/80	60/68	149/149	77/77	80/80	62/70	151/151	80/80	65/73	154/154	83/83	90/90	67/76	156/156	
			103B+103B	13.1/17.4	62.8/72.5	97/97	100/100	78/89	149/149	100/100	100/100	80/91	151/151	103/103	110/110	83/95	154/154	106/106	86/97	156/156	
			104B+104B	15.8/21.0	75.8/87.5	116/116	125/125	93/106	149/149	118/118	125/125	95/108	151/151	122/122	125/125	98/112	154/154	124/124	125/125	101/114	156/156
		MED	NONE	-	-	40	60	38	174	42	60	41	176	45	60	44	179	47	60	46	181
			102A	4.9/6.5	23.5/27.1	43/43	60/60	38/39	174/174	45/45	60/60	41/41	176/176	49/49	60/60	44/45	179/179	51/51	60/60	46/47	181/181
			103B	6.5/8.7	31.4/36.3	55/55	60/60	44/50	174/174	57/57	60/60	46/52	176/176	61/61	70/70	50/55	179/179	63/63	70/70	52/58	181/181
			102A+102A	9.8/13.0	46.9/54.2	77/77	80/80	62/70	174/174	79/79	80/80	64/73	176/176	83/83	90/90	68/76	179/179	85/85	90/90	70/78	181/181
208/230-3-60	DD-STD	NONE	-	-	29	40	26	120	31	45	31	122	34	45	34	125	36	50	36		
		102A	4.9/6.5	13.6/15.6	29/29	40/40	26/26	120/120	32/32	45/45	31/31	122/122	35/35	45/45	34/34	125/125	38/38	50/50	36/36		
		104B	7.9/10.5	21.9/25.3	41/41	45/45	34/38	120/120	44/44	45/45	36/40	122/122	47/47	50/50	39/43	125/125	50/50	50/50	41/45		
		105A	12.0/16.0	33.4/38.5	58/58	60/60	47/53	120/120	60/60	60/60	49/55	122/122	64/64	70/70	52/58	125/125	66/66	70/70	55/60		
		104B+104B	15.8/21.0	43.8/50.5	73/73	80/80	59/67	120/120	75/75	80/80	61/69	122/122	79/79	80/80	64/72	125/125	81/81	90/90	67/74		
		104B+105A	19.9/26.5	55.2/63.8	89/89	90/90	72/82	120/120	92/92	100/100	74/84	122/122	95/95	100/100	78/87	125/125	98/98	100/100	80/90		
		NONE	-	-	27	40	26	132	29	40	28	134	32	45	31	137	34	45	34	139	
		102A	4.9/6.5	13.6/15.6	27/27	40/40	26/26	132/132	29/29	40/40	28/28	134/134	32/32	45/45	31/31	137/137	35/35	45/45	34/34	139/139	
	STD	104B	7.9/10.5	21.9/25.3	39/39	40/40	31/35	132/132	41/41	45/45	33/37	134/134	45/45	45/45	37/41	137/137	47/47	50/50	39/43		
		105A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	132/132	57/57	60/60	47/52	134/134	61/61	70/70	50/56	137/137	63/63	70/70	52/58		
		104B+104B	15.8/21.0	43.8/50.5	70/70	70/70	56/64	132/132	72/72	80/80	59/66	134/134	76/76	80/80	62/70	137/137	78/78	80/80	64/72		
		104B+105A	19.9/26.5	55.2/63.8	87/87	90/90	69/79	132/132	89/89	90/90	72/82	134/134	93/93	100/100	75/85	137/137	95/95	100/100	77/87		
		NONE	-	-	29/29	40/40	28/28	170	31/31	45/45	30/30	172	33/33	45/45	33/33	175	35/35	50/50	36/35		
		102A	4.9/6.5	13.6/15.6	29/29	40/40	28/28	170/170	31/31	45/45	30/30	172/172	33/34	45/45	33/33	175/175	37/37	50/50	36/35		
		104B	7.9/10.5	21.9/25.3	40/40	45/40	33/37	170/170	43/43	45/45	35/39	172/172	46/46	50/50	39/42	175/175	49/49	50/50	41/45		
		105A	12.0/16.0	33.4/38.5	57/57	60/60	46/52	170/170	59/59	60/60	49/54	172/172	63/63	70/70	52/58	175/175	65/65	70/70	54/60		
MED	104B+104B	15.8/21.0	43.8/50.5	72/72	80/80	58/66	170/170	74/74	80/80	60/68	172/172	78/78	80/80	64/71	175/175	80/80	80/80	66/73			
	104B+105A	19.9/26.5	55.2/63.8	89/89	90/90	71/81	170/170	91/91	100/100	74/83	172/172	95/95	100/100	77/87	175/175	97/97	100/100	79/89			
	NONE	-	-	30/30	45/45	30/29	185	32/32	45/45	32/32	187	35/35	50/50	35/35	190	37/37	50/50	37/37			
	102A	4.9/6.5	13.6/15.6	30/30	45/45	30/29	185/185	33/33	45/45	32/32	187/187	36/36	50/50	35/35	190/190	37/37	50/50	37/37			
	104B	7.9/10.5	21.9/25.3	42/42	45/45	35/39	185/185	45/45	45/45	37/41	187/187	48/48	50/50	40/44	190/190	51/51	60/60	43/46			
	105A	12.0/16.0	33.4/38.5	59/59	60/60	48/54	185/185	61/61	70/70	50/56	187/187	65/65	70/70	54/59	190/190	67/67	70/70	56/62			
	104B+104B	15.8/21.0	43.8/50.5	74/74	80/80	60/68	185/185	76/76	80/80	62/70	187/187	80/80	80/80	66/73	190/190	82/82	90/90	68/75			
	104B+105A	19.9/26.5	55.2/63.8	91/91	100/100	73/83	185/185	93/93	100/100	75/85	187/187	97/97	100/100	79/88	190/190	99/99	100/100	81/91			

See: Legend and Notes for Tables 1 - 4 \* on page 41.

Table 2 - Unit Wire Sizing Data with Factory Installed HACR Breaker (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	NO PE.				w/ PE. (pwr'd fr/unit)				NO PE.				w/ PE. (pwr'd fr/unit)																
						MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE													
50HC*A06	DD-STD	NONE	6.0	13.8	-	14	20	14	58	15	20	15	59	16	20	16	60	17	20	17	61	17	20	17	61									
						14	20	14	58	16	20	15	59	17	20	16	60	18	20	17	60	18	20	17	61	17	20	17	61					
						23	25	20	58	22	25	23	59	25	25	23	60	27	30	24	60	27	30	24	61	30	30	24	61	30	30	24	61	
						26	30	24	58	28	30	25	59	29	30	26	60	30	30	26	60	30	30	28	61	30	30	28	61	30	30	28	61	
						23.0	40	36	58	41	45	38	59	43	45	39	60	44	45	40	60	44	45	40	61	45	45	40	61	45	45	40	61	
						25.5	44	40	58	45	45	41	59	47	50	42	60	48	50	44	60	48	50	44	61	48	50	44	61	48	50	44	61	
						NONE	13	15	12	63	14	20	13	64	15	20	15	65	16	20	15	65	16	20	16	66	20	20	16	66	20	20	16	66
						108A	13	15	12	63	14	20	13	64	15	20	15	65	17	20	15	65	17	20	16	66	20	20	16	66	20	20	16	66
						108A	21	25	19	63	22	25	20	64	24	25	21	65	25	25	21	65	25	25	23	66	25	25	23	66	25	25	23	66
						108A	25	25	22	63	26	30	23	64	27	30	25	65	29	30	25	65	29	30	26	66	30	30	26	66	30	30	26	66
108A+108A	38	40	35	63	40	40	36	64	41	45	37	65	42	45	37	65	42	45	39	66	45	45	39	66	45	45	39	66						
108A+108A	42	45	38	63	43	45	39	64	44	45	39	64	45	45	41	65	46	50	42	66	50	50	42	66	50	50	42	66						
50HC*A06	MED	NONE	6.0	13.8	-	14	20	13	82	15	20	14	83	16	20	16	84	17	20	17	85	17	20	17	85									
						14	20	13	82	15	20	14	83	16	20	16	84	17	20	16	84	18	20	17	85	17	20	17	85					
						22	25	20	82	23	25	21	83	25	25	22	84	26	30	22	84	26	30	23	85	30	30	23	85					
						26	30	23	82	27	30	24	83	28	30	26	84	29	30	27	84	30	30	27	85	30	30	27	85					
						23.0	40	36	82	41	45	37	83	42	45	38	84	43	45	38	84	43	45	39	85	45	45	39	85					
						25.5	43	39	82	44	45	39	83	44	45	40	84	45	50	42	84	47	50	43	85	50	50	43	85					
						NONE	14	20	14	90	15	20	15	91	16	20	15	91	17	20	16	92	18	20	18	93	20	20	18	93				
						108A	15	20	14	90	16	20	15	91	17	20	16	92	18	20	16	92	19	20	18	93	20	20	18	93				
						108A	23	25	21	90	24	25	22	91	26	30	23	92	27	30	23	92	27	30	24	93	30	30	24	93				
						108A	27	30	24	90	28	30	25	91	29	30	27	92	31	35	27	92	31	35	28	93	35	35	28	93				
108A+108A	40	40	37	90	42	45	38	91	43	45	39	92	44	45	39	92	44	45	40	93	45	45	40	93										
108A+108A	44	45	40	90	45	45	41	91	47	50	43	92	48	50	43	92	48	50	44	93	50	50	44	93										
575-3-60	DD-STD	NONE	13.8	23.0	-	12	15	12	46	14	15	14	48	13	15	13	48	15	15	16	50	15	15	16	50									
						12	15	12	46	14	15	13	48	15	15	13	48	16	15	13	48	17	15	16	50	15	15	16	50					
						23	25	20	46	25	25	23	48	25	25	22	48	27	30	22	48	27	30	25	50	30	30	25	50					
						34	35	31	46	37	40	33	48	36	40	33	48	39	40	33	48	39	40	35	50	40	40	35	50					
						NONE	9	15	8	49	11	15	10	51	11	15	10	51	11	15	10	51	13	15	12	53	15	15	12	53				
						298A	19	20	17	49	22	20	19	51	21	25	19	51	24	25	19	51	24	25	21	53	25	25	21	53				
						301A	31	35	28	49	33	35	30	51	33	35	30	51	35	35	30	51	35	35	32	53	35	35	32	53				
						NONE	10	15	9	53	12	15	11	55	11	15	11	55	13	15	11	55	13	15	13	57	15	15	13	57				
						298A	20	20	18	53	23	25	20	55	22	25	20	55	25	25	20	55	25	25	22	57	25	25	22	57				
						301A	32	35	29	53	34	35	31	55	34	35	31	55	36	35	31	55	36	35	33	57	40	40	33	57				
575-3-60	MED	NONE	13.8	23.0	-	11	15	10	64	12	15	12	66	12	15	12	66	14	15	14	68	14	15	14	68									
						11	15	10	64	12	15	12	66	12	15	12	66	14	15	12	66	14	15	14	68	14	15	14	68					
						21	25	19	64	24	25	21	66	23	25	21	66	26	30	21	66	26	30	23	68	30	30	23	68					
						33	35	30	64	35	35	30	66	35	35	32	66	35	35	32	66	37	40	34	68	40	40	34	68					
						NONE	11	15	10	64	12	15	12	66	12	15	12	66	14	15	12	66	14	15	14	68	14	15	14	68				
						298A	21	25	19	64	24	25	21	66	23	25	21	66	26	30	21	66	26	30	23	68	30	30	23	68				
						301A	33	35	30	64	35	35	30	66	35	35	32	66	37	40	34	66	37	40	34	68	40	40	34	68				

See: Legend and Notes for Tables 1 - 4 " on page 41.

Table 2 - Unit Wire Sizing Data with Factory Installed HACR Breaker (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	NO PE.					w/ PE. (pwrd fr/unit)					NO PE.					w/ PE. (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	
50HC*A07	460-3-60	STD	NONE	-	-	32/32	50/50	31/31	165	36/35	169	37/37	50/50	37/36	170	41/41	60/60	50/50	37/36	170	41/41	60/60	50/50	41/41	174	
			264A	4.9/6.5	13.6/15.6	32/32	50/50	31/31	165/165	36/36	169/169	37/37	50/50	37/36	170/170	41/41	60/60	50/50	37/36	170/170	41/41	60/60	50/50	41/41	174/174	
			117A	7.8/10.4	21.7/25.0	38/38	50/50	31/34	165/165	36/39	169/169	44/44	50/50	37/40	170/170	49/49	60/60	50/50	37/40	170/170	49/49	60/60	50/50	41/44	174/174	
			110A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	165/165	59/59	169/169	61/61	70/70	50/55	170/170	65/65	80/80	70/70	50/55	170/170	65/65	80/80	70/70	54/60	174/174	
			117A+117A	15.8/21.0	43.8/50.5	70/70	80/80	56/64	165/165	74/74	169/169	76/76	80/80	62/69	170/170	80/80	90/90	80/80	62/69	170/170	80/80	90/90	80/80	66/74	174/174	
			110A+117A	19.9/26.5	55.2/63.8	86/86	100/100	69/79	165/165	91/91	100/100	74/83	169/169	92/92	100/100	75/85	170/170	97/97	100/100	75/85	170/170	97/97	100/100	79/89	174/174	
			NONE	-	-	36/36	50/50	35/35	201	39/39	205	40/40	206	40/40	50/50	40/40	206	44/44	60/60	45/45	210	210	45/45	60/60	45/45	210/210
			264A	4.9/6.5	13.6/15.6	36/36	50/50	35/35	201/201	39/39	205/205	40/40	206/206	40/40	50/50	40/40	206/206	44/44	60/60	45/45	210	210	45/45	60/60	45/45	210/210
			117A	7.8/10.4	21.7/25.0	42/42	50/50	35/38	201/201	47/47	205/205	48/48	206/206	40/44	50/50	40/44	206/206	53/53	60/60	45/48	210	210	45/48	60/60	45/48	210/210
			110A	12.0/16.0	33.4/38.5	59/59	60/60	48/54	201/201	64/64	205/205	65/65	206/206	54/59	70/70	54/59	206/206	70/70	58/64	60/60	54/59	206/206	70/70	58/64	60/60	54/59
117A+117A	15.8/21.0	43.8/50.5	74/74	80/80	60/68	201/201	79/79	205/205	64/72	206/206	66/73	80/80	64/72	206/206	85/85	90/90	66/73	206/206	85/85	90/90	66/73	80/80	64/72			
110A+117A	19.9/26.5	55.2/63.8	91/91	100/100	73/83	201/201	95/95	205/205	78/87	206/206	97/97	100/100	78/87	206/206	101/101	110/110	97/97	206/206	101/101	110/110	97/97	100/100	78/87			
50HC*A07	460-3-60	STD	NONE	-	-	17	25	16	84	18	86	19	25	18	86	19	25	18	86	19	25	18	86	20	88	
			266A	6.0	7.2	17	25	16	84	18	86	19	25	18	86	19	25	18	86	19	25	18	86	20	88	
			266A	11.5	13.8	21	25	19	84	23	21	86	24	25	21	86	24	25	21	86	24	25	21	86	23	88
			267A	14.0	16.8	25	25	22	84	27	24	86	27	30	24	86	27	30	24	86	27	30	24	86	27	88
			268A	23.0	27.7	38	40	35	84	40	37	86	41	45	37	86	41	45	37	86	41	45	37	86	39	88
			269A	25.5	30.7	42	45	38	84	44	40	86	45	45	40	86	45	45	40	86	45	45	40	86	43	88
			NONE	-	-	18	25	18	102	20	104	21	104	21	25	20	104	21	25	20	104	21	25	20	106	
			266A	6.0	7.2	18	25	18	102	20	104	21	104	21	25	20	104	21	25	20	104	21	25	20	106	
			266A	11.5	13.8	23	25	21	102	25	23	104	26	30	23	104	26	30	23	104	26	30	23	104	25	106
			267A	14.0	16.8	27	30	24	102	29	26	104	29	30	26	104	29	30	26	104	29	30	26	104	25	106
268A	23.0	27.7	40	40	37	102	43	39	104	43	45	39	104	43	45	39	104	43	45	39	104	41	106			
269A	25.5	30.7	44	45	40	102	46	40	104	47	50	40	104	47	50	40	104	47	50	40	104	41	106			
575-3-60	460-3-60	STD	NONE	-	-	13	15	12	61	16	65	14	20	16	65	14	20	16	65	14	20	16	65	18	67	
			118A	17.0	20.4	28	30	25	61	33	30	65	30	30	27	63	35	35	27	63	35	35	32	67		
			299A	25.7	25.8	35	35	32	61	39	36	65	37	40	36	65	37	40	36	65	37	40	36	65	67	
			NONE	-	-	14	20	13	76	18	80	15	20	15	20	15	78	19	25	15	78	19	25	19	82	
			118A	17.0	20.4	29	30	27	76	34	31	80	32	35	31	80	32	35	31	80	32	35	31	80	33	82
			299A	25.7	25.8	36	40	33	76	41	37	80	38	40	37	80	38	40	37	80	38	40	37	80	39	82
			NONE	-	-	17	20	16	90	20	21	94	18	25	18	92	22	25	18	92	22	25	18	92	23	96
			118A	17.0	20.4	33	35	30	90	38	34	94	35	40	34	94	35	40	34	94	35	40	34	94	36	96
			299A	25.7	25.8	40	40	36	90	44	40	94	42	45	40	94	42	45	40	94	42	45	40	94	42	96

See: Legend and Notes for Tables 1 - 4 on page 41.

**Table 2 - Unit Wire Sizing Data with Factory Installed HACR Breaker (cont)**

UNIT	NO M. V.-Ph.-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.										w/ PWRD C.O.										
			CRHEATER**A00	Nom (kW)	FLA	NO PE.					w/ PE. (pwrd fr/unit)					NO PE.					w/ PE. (pwrd fr/unit)					
						MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	
50HC*D08	460-3-60	STD	NONE	-	-	39/39	50/50	41/40	208	43/43	50/50	45/45	212	44/44	50/50	46/46	213	48/48	60/60	51/50	217	217	217	217		
			117A	7.8/10.4	21.7/25.0	39/39	50/50	41/40	208/208	43/43	50/50	45/45	212/212	44/44	50/50	46/46	213/213	48/48	60/60	51/51	217/217	217	217	217	217	
			110A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	208/208	43/43	50/50	45/45	212/212	44/44	50/50	46/46	213/213	48/48	60/60	51/51	217/217	217	217	217	217	
			111A	18.6/24.8	51.7/59.7	81/81	90/90	66/74	208/208	43/43	50/50	45/45	212/212	44/44	50/50	46/46	213/213	48/48	60/60	51/51	217/217	217	217	217	217	
			112A	24.0/32.0	66.7/77.0	103/103	110/110	83/94	208/208	43/43	50/50	45/45	212/212	44/44	50/50	46/46	213/213	48/48	60/60	51/51	217/217	217	217	217	217	
			112A+117A	31.8/42.4	88.4/102.0	134/134	150/150	108/108	208/208	43/43	50/50	45/45	212/212	44/44	50/50	46/46	213/213	48/48	60/60	51/51	217/217	217	217	217	217	
			NONE	-	-	41/41	50/50	43/42	229	45/45	50/50	47/47	233	46/46	50/50	48/48	234	50/50	53/52	238	238	238	238	238	238	238
			117A	7.8/10.4	21.7/25.0	41/41	50/50	43/42	229/229	45/45	50/50	47/47	233/233	46/46	50/50	48/48	234/234	50/50	53/52	238/238	238	238	238	238	238	238
			110A	12.0/16.0	33.4/38.5	57/57	60/60	46/52	229/229	45/45	50/50	47/47	233/233	46/46	50/50	48/48	234/234	50/50	53/52	238/238	238	238	238	238	238	238
			111A	18.6/24.8	51.7/59.7	83/83	90/90	67/76	229/229	45/45	50/50	47/47	233/233	46/46	50/50	48/48	234/234	50/50	53/52	238/238	238	238	238	238	238	238
			112A	24.0/32.0	66.7/77.0	105/105	110/110	85/96	229/229	45/45	50/50	47/47	233/233	46/46	50/50	48/48	234/234	50/50	53/52	238/238	238	238	238	238	238	238
			112A+117A	31.8/42.4	88.4/102.0	136/136	150/150	110/125	229/229	45/45	50/50	47/47	233/233	46/46	50/50	48/48	234/234	50/50	53/52	238/238	238	238	238	238	238	238
50HC*D08	460-3-60	STD	NONE	-	-	18	20	19	104	20	25	21	106	20	25	21	106	22	25	23	108	108	108	108		
			116A	13.9	16.7	24	25	22	104	20	25	21	106	20	25	21	106	22	25	23	108	108	108	108		
			113A	16.5	19.8	28	30	26	104	20	25	21	106	20	25	21	106	22	25	23	108	108	108	108		
			114A	27.8	33.4	45	45	41	104	48	49	50	43	106	48	49	50	44	106	50	46	108	108	108	108	
			115A	33.0	39.7	53	60	49	104	55	60	60	51	106	56	60	60	51	106	58	60	53	108	108	108	
			114A+116A	41.7	50.2	66	70	61	104	69	70	70	63	106	69	70	70	63	106	71	80	65	108	108	108	
			NONE	-	-	19	25	20	114	21	25	25	22	116	21	25	22	116	23	25	24	118	118	118	118	
			116A	13.9	16.7	26	30	23	114	21	25	25	22	116	21	25	22	116	23	25	24	118	118	118	118	
			113A	16.5	19.8	29	30	27	114	32	35	35	29	116	32	35	35	29	116	34	35	31	118	118	118	118
			114A	27.8	33.4	46	49	42	114	49	50	50	44	116	49	50	50	45	116	51	60	47	118	118	118	118
			115A	33.0	39.7	54	60	50	114	57	60	60	52	116	57	60	60	52	116	59	60	54	118	118	118	118
			114A+116A	41.7	50.2	67	70	62	114	70	70	70	64	116	70	70	70	64	116	72	80	66	118	118	118	118
575-3-60	575-3-60	STD	NONE	-	-	21	25	22	129	23	25	24	131	23	25	24	131	25	30	27	133	133	133	133		
			116A	13.9	16.7	28	30	25	129	30	30	27	131	31	35	35	28	131	33	35	30	133	133	133	133	
			113A	16.5	19.8	32	35	29	129	34	35	31	131	35	35	31	131	37	40	40	33	133	133	133	133	
			114A	27.8	33.4	49	50	45	129	51	60	47	131	52	60	60	47	131	54	60	49	133	133	133	133	
			115A	33.0	39.7	57	60	52	129	59	60	54	131	59	60	60	54	131	62	70	56	133	133	133	133	
			114A+116A	41.7	50.2	67	70	64	129	72	80	70	66	131	73	80	80	66	131	75	80	68	133	133	133	133
			NONE	-	-	13	15	13	77	17	17	17	17	17	81	14	15	15	79	18	19	19	83	83	83	83
			118A	17.0	20.4	28	30	25	77	33	33	30	30	30	81	14	15	15	79	18	19	19	83	83	83	83
			119A	34.0	40.9	54	60	49	77	58	60	60	53	81	56	60	60	51	79	60	70	55	83	83	83	83
			NONE	-	-	13	15	13	81	17	17	20	18	85	15	20	20	15	83	19	20	20	87	87	87	87
			118A	17.0	20.4	28	30	25	81	33	33	30	30	30	85	15	15	28	83	35	35	32	87	87	87	87
			119A	34.0	40.9	54	60	49	81	59	60	60	54	85	56	60	60	51	83	61	70	56	87	87	87	87
575-3-60	575-3-60	HIGH	NONE	-	-	14	15	14	92	18	20	19	96	16	20	16	94	19	25	21	98	98	98	98		
			118A	17.0	20.4	29	30	27	92	34	35	31	96	32	35	35	29	94	36	40	33	98	98	98	98	
			119A	34.0	40.9	55	60	50	92	60	60	55	96	57	60	60	52	94	62	70	57	98	98	98	98	

See: "Legend and Notes for Tables 1 - 4" on page 41.



Table 2 - Unit Wire Sizing Data with Factory Installed HACR Breaker (cont)

UNIT	ELEC. HTR		NO C.O. or UNPWR C.O.											w/ PWRD C.O.										
	IFM TYPE	CRHEATER**A00	Nom (kW)	FLA	NO PE.				w/ P.E. (pwrd fr/unit)				NO PE.				w/ P.E. (pwrd fr/unit)							
					MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE				
50HC*09	STD	NONE	-	-	39/39	41/41	208	43/43	50/50	45/45	212	44/44	50/50	46/46	213	48/48	60/60	48/48	51/50	217				
		117A	7.8/10.4	21.7/25.0	39/39	41/41	208/208	43/43	50/50	45/45	212/212	44/44	50/50	46/46	213/213	48/48	60/60	49/49	51/50	217/217				
		110A	12.0/16.0	33.4/38.5	55/55	60/60	208/208	43/43	50/50	49/54	212/212	61/61	70/70	50/55	213/213	65/65	70/70	54/60	51/50	217/217				
		111A	18.6/24.8	51.7/59.7	81/81	90/90	208/208	66/74	86/86	90/90	70/79	87/87	90/90	71/80	213/213	92/92	100/100	75/84	75/84	217/217				
		112A	24.0/32.0	66.7/77.0	103/103	110/110	208/208	83/94	108/108	110/110	87/99	109/109	110/110	88/100	213/213	114/114	125/125	93/104	93/104	217/217				
		112A+117A	31.8/42.4	88.4/102.0	134/134	150/150	208/208	108/123	139/139	150/150	112/127	140/140	150/150	113/128	213/213	145/145	150/150	118/133	118/133	217/217				
	MED	NONE	-	-	41/41	43/43	229	45/45	50/50	47/47	233	46/46	50/50	48/48	234	50/50	60/60	50/50	53/53	238				
		117A	7.8/10.4	21.7/25.0	41/41	43/43	229/229	45/45	50/50	47/47	233/233	46/46	50/50	48/48	234/234	51/51	60/60	51/51	53/53	238/238				
		110A	12.0/16.0	33.4/38.5	57/57	60/60	229/229	62/62	70/70	51/56	233/233	63/63	70/70	52/58	234/234	68/68	70/70	56/62	56/62	238/238				
		111A	18.6/24.8	51.7/59.7	83/83	90/90	229/229	67/76	88/88	90/90	72/81	89/89	90/90	73/82	234/234	94/94	100/100	77/86	77/86	238/238				
		112A	24.0/32.0	66.7/77.0	105/105	110/110	229/229	85/96	110/110	110/110	89/101	111/111	110/110	90/102	234/234	116/116	125/125	95/106	95/106	238/238				
		112A+117A	31.8/42.4	88.4/102.0	136/136	150/150	229/229	110/125	141/141	150/150	114/129	142/142	150/150	115/131	234/234	147/147	150/150	119/135	119/135	238/238				
460-3-60	STD	NONE	-	-	19	19	104	20	25	21	106	21	25	22	106	23	25	24	24	108				
		116A	13.9	16.7	24	25	104	27	30	24	106	27	30	25	106	29	30	27	27	108				
		113A	16.5	19.8	28	30	104	31	35	28	106	31	35	28	106	33	35	30	30	108				
		114A	27.8	33.4	45	45	104	48	50	43	106	48	50	44	106	50	50	46	46	108				
		115A	33.0	39.7	53	60	104	55	60	51	106	56	60	51	106	58	60	53	53	108				
		114A+116A	41.7	50.2	66	70	104	61	70	63	106	69	70	63	106	71	80	65	65	108				
	MED	NONE	-	-	19	25	114	21	25	22	116	22	25	23	116	23	25	25	25	118				
		116A	13.9	16.7	26	30	114	28	30	25	116	28	30	26	116	31	35	28	28	118				
		113A	16.5	19.8	29	30	114	32	35	29	116	32	35	29	116	34	35	31	31	118				
		114A	27.8	33.4	46	49	114	49	50	44	116	49	50	45	116	51	60	47	47	118				
		115A	33.0	39.7	54	60	114	57	60	52	116	57	60	52	116	59	60	54	54	118				
		114A+116A	41.7	50.2	67	70	114	64	70	64	116	70	70	64	116	72	80	66	66	118				
575-3-60	STD	NONE	-	-	21	25	129	23	25	24	131	24	25	25	131	25	30	27	27	133				
		116A	13.9	16.7	28	30	129	30	30	27	131	31	35	28	131	33	35	30	30	133				
		113A	16.5	19.8	32	35	129	34	35	31	131	35	35	31	131	37	40	33	33	133				
		114A	27.8	33.4	49	50	129	51	52	47	131	52	50	47	131	54	60	49	49	133				
		115A	33.0	39.7	57	60	129	59	60	54	131	59	60	54	131	62	70	56	56	133				
		114A+116A	41.7	50.2	70	70	129	72	80	66	131	73	80	66	131	75	80	68	68	133				
	MED	NONE	-	-	14	15	77	18	20	19	81	16	20	16	79	20	25	21	21	83				
		118A	17.0	20.4	28	30	77	33	35	30	81	30	30	27	79	35	35	32	32	83				
		119A	34.0	40.9	54	60	77	58	60	53	81	56	60	51	79	60	70	55	55	83				
		NONE	-	-	14	20	81	18	20	19	85	16	20	17	83	20	25	21	21	87				
		118A	17.0	20.4	28	30	81	33	35	30	85	31	35	28	83	35	35	32	32	87				
		119A	34.0	40.9	54	60	81	59	60	54	85	56	60	51	83	61	70	56	56	87				
HIGH	NONE	-	-	15	20	92	19	20	20	96	17	20	18	94	21	25	22	22	98					
	118A	17.0	20.4	29	30	92	34	35	31	96	32	35	29	94	36	40	33	33	98					
	119A	34.0	40.9	55	60	92	60	60	55	96	57	60	52	94	62	70	57	57	98					
	NONE	-	-	15	20	96	19	20	20	96	17	20	18	94	21	25	22	22	98					
	118A	17.0	20.4	29	30	96	34	35	31	96	32	35	29	94	36	40	33	33	98					
	119A	34.0	40.9	55	60	96	60	60	55	96	57	60	52	94	62	70	57	57	98					

See: "Legend and Notes for Tables 1 - 4" on page 41.



**Table 2 - Unit Wire Sizing Data with Factory Installed HACR Breaker (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	NO PE.				w/ PE. (pwrd fr/unit)				NO PE.				w/ PE. (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	
50HC*D11	460-3-60	STD	NONE	—	—	51/51	60/60	53/53	284	54/54	60/60	57/57	288	55/55	60/60	59/58	60/60	59/58	289	59/59	70/70	63/63	289	63/63	283	
			117A	7.8/10.4	21.7/25.0	51/51	60/60	53/53	284/284	54/54	60/60	57/57	288/288	55/55	60/60	59/58	60/60	59/58	289/289	59/59	70/70	63/63	289/289	63/63	283/293	
			110A	12.0/16.0	33.4/38.5	57/57	60/60	53/53	284/284	62/62	70/70	57/57	288/288	63/63	70/70	59/58	60/60	59/58	289/289	66/66	70/70	63/63	283/293	63/63	283/293	
			112A	24.0/32.0	66.7/77.0	105/105	110/110	85/96	284/284	110/110	110/110	89/101	288/288	111/111	110/110	125/125	125/125	125/125	125/125	125/125	116/116	125/125	125/125	95/106	283/293	
			112A+117A	31.8/42.4	88.4/102.0	136/136	150/150	110/125	284/284	141/141	150/150	114/129	288/288	142/142	150/150	147/147	150/150	119/135	289/289	147/147	150/150	119/135	289/289	119/135	283/293	
			112A+110A	37.8/50.0	104.2/120.3	139/139	150/150	128/146	284/284	144/144	150/150	132/150	288/288	145/145	150/150	133/152	150/150	133/152	289/289	150/150	133/152	289/289	138/156	138/156	283/293	
			NONE	—	—	54	60	57	313	58	70	62	317	59	63	318	70	63	318	63	318	63	70	67	322	322
			117A	7.8/10.4	21.7/25.0	54/54	60/60	57/57	313/313	58/58	70/70	62/62	317/317	59/59	63/63	318/318	63/63	70/70	63/63	318/318	63/63	70/70	67/67	322/322	322/322	322/322
			110A	12.0/16.0	33.4/38.5	62/62	70/70	57/57	313/313	67/67	70/70	62/62	317/317	68/68	70/70	63/63	70/70	63/63	70/70	63/63	318/318	73/73	80/80	67/67	322/322	322/322
			112A	24.0/32.0	66.7/77.0	110/110	110/110	89/101	313/313	115/115	125/125	93/105	317/317	116/116	125/125	125/125	125/125	125/125	125/125	125/125	94/106	121/121	125/125	99/111	322/322	322/322
			112A+117A	31.8/42.4	88.4/102.0	141/141	150/150	114/129	313/313	146/146	150/150	118/134	317/317	147/147	150/150	138/156	150/150	119/135	318/318	152/152	124/139	152/152	124/139	124/139	322/322	322/322
			112A+110A	37.8/50.0	104.2/120.3	144/144	150/150	132/151	313/313	149/149	150/150	136/155	317/317	151/151	150/150	141/158	150/150	138/156	318/318	155/155	142/160	155/155	142/160	142/160	322/322	322/322
50HC*D11	460-3-60	STD	NONE	—	—	23	25	24	136	25	30	26	138	25	30	27	138	27	138	27	30	29	140	140		
			116A	13.9	16.7	26	30	24	136	28	30	26	138	28	30	26	30	27	138	28	30	29	140	140		
			119A	16.5	19.8	29	30	27	136	32	35	29	138	32	35	35	35	29	138	32	35	31	140	140		
			115A	33.0	39.7	54	60	50	136	57	60	52	138	57	60	52	60	52	138	59	60	54	140	140		
			114A+116A	41.7	50.2	67	70	62	136	70	70	64	138	70	70	64	70	64	138	72	80	66	140	140		
			115A+113A	50.0	60.1	65	70	73	136	67	70	75	138	68	70	75	80	76	138	78	80	78	140	140		
			NONE	—	—	25	30	26	151	27	30	28	153	27	30	28	30	29	153	29	30	35	31	155	155	
			116A	13.9	16.7	28	30	26	151	30	30	28	153	31	35	35	35	29	153	33	35	35	31	155	155	
			119A	16.5	19.8	32	35	29	151	34	35	31	153	35	35	35	35	31	153	37	37	40	33	155	155	
			115A	33.0	39.7	57	60	52	151	59	60	54	153	59	60	54	60	54	153	62	70	56	56	155	155	
			114A+116A	41.7	50.2	70	70	64	151	72	80	66	153	73	80	66	80	66	153	75	80	68	68	155	155	
			115A+113A	50.0	60.1	67	80	75	151	69	80	77	153	71	80	77	80	78	153	72	80	80	80	155	155	
575-3-60	575-3-60	STD	NONE	—	—	26	30	28	152	28	30	30	154	28	30	27	154	30	154	23	30	24	101	101		
			116A	13.9	16.7	29	30	28	152	32	30	30	154	32	35	30	28	154	34	34	35	32	101	101		
			119A	16.5	19.8	33	35	30	152	35	32	30	154	36	40	33	29	154	38	40	35	32	101	101		
			115A	33.0	39.7	58	60	53	152	60	55	55	154	61	70	56	60	54	154	63	70	58	58	101	101	
			114A+116A	41.7	50.2	71	80	65	152	73	80	67	154	74	80	68	80	68	154	76	80	70	79	101	101	
			115A+113A	50.0	60.1	69	80	76	152	71	80	79	154	71	80	79	80	79	154	74	80	80	81	101	101	
			NONE	—	—	18	20	18	95	21	25	23	99	19	25	20	25	20	97	23	25	25	24	112	112	
			116A	17.0	20.4	28	30	26	95	33	30	30	99	31	35	28	35	28	97	35	35	35	32	112	112	
			119A	34.0	40.9	54	60	49	95	59	60	54	99	56	60	51	60	51	97	61	70	56	56	112	112	
			118A+119A	51.0	61.3	64	70	73	95	69	80	77	99	66	70	75	70	75	97	71	80	79	79	112	112	
			NONE	—	—	18	20	19	106	22	25	23	110	20	25	21	25	21	108	24	25	25	25	112	112	
			116A	17.0	20.4	29	30	27	106	34	35	31	110	32	35	29	35	29	108	36	40	33	33	112	112	
119A	34.0	40.9	55	60	50	106	60	60	55	110	57	60	52	60	52	108	62	70	57	57	112	112				
118A+119A	51.0	61.3	65	70	74	106	70	80	78	110	67	70	76	70	76	108	72	80	80	80	112	112				
575-3-60	575-3-60	HIGH	NONE	—	—	21	25	22	120	25	30	27	124	23	25	24	122	27	27	30	29	126	126			
			116A	17.0	20.4	33	35	30	120	38	40	34	124	35	35	32	40	32	122	40	40	36	126	126		
			119A	34.0	40.9	58	60	53	120	63	70	58	124	61	70	55	60	55	122	65	70	60	126	126		
			118A+119A	51.0	61.3	69	80	77	120	74	80	81	124	71	80	79	80	79	122	76	80	83	126	126		

See: "Legend and Notes for Tables 1 - 4" on page 41.

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Table 2 - Unit Wire Sizing Data with Factory Installed HACR Breaker (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	NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd 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	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA					
50HC*D12		STD	NONE	-	-	49/49	60/60	52/51	309	53/53	60/60	60/60	56/56	313	54/54	60/60	60/60	57/57	314	58/58	70/70	62/61	318	318				
			117A	7.8/10.4	21.7/25.0	49/49	60/60	52/51	309/309	53/53	60/60	60/60	56/56	313/313	54/54	60/60	60/60	57/57	314/314	58/58	70/70	62/62	318/318	318/318				
			110A	12.0/16.0	33.4/38.5	57/57	60/60	52/52	309/309	62/62	70/70	70/70	56/56	313/313	63/63	70/70	70/70	57/58	314/314	68/68	80/80	70/70	62/61	318/318	318/318			
			112A	24.0/32.0	66.7/77.0	105/105	110/110	85/86	309/309	110/110	110/110	110/110	89/101	313/313	111/111	125/125	150/150	150/150	115/131	314/314	147/147	150/150	119/135	318/318	318/318			
			112A+117A	31.8/42.4	88.4/102.0	136/136	150/150	110/125	309/309	141/141	150/150	150/150	114/129	313/313	142/142	150/150	150/150	133/152	314/314	150/150	150/150	150/150	150/150	150/150	150/150	150/150		
		112A+110A	37.8/50.0	104.2/120.3	139/139	150/150	128/146	309/309	144/144	150/150	150/150	132/150	313/313	145/145	150/150	150/150	133/152	314/314	150/150	150/150	150/150	150/150	150/150	150/150	150/150			
		117A	7.8/10.4	21.7/25.0	53	60	56	338	57/57	338/338	57/57	60/60	60/60	60/60	342	58	70	70	61	343	62	70	66	347	347			
		110A	12.0/16.0	33.4/38.5	62/62	70/70	56/56	338/338	67/67	338/338	67/67	70/70	70/70	60/61	342/342	68/68	70/70	70/70	61/61	343/343	62/62	70/70	66/66	347/347	347/347			
		112A	24.0/32.0	66.7/77.0	110/110	110/110	89/101	338/338	115/115	338/338	115/115	125/125	93/105	342/342	116/116	125/125	150/150	150/150	119/135	343/343	152/152	175/175	124/139	347/347	347/347			
		112A+117A	31.8/42.4	88.4/102.0	141/141	150/150	114/129	338/338	146/146	150/150	150/150	118/134	342/342	147/147	150/150	150/150	138/156	343/343	155/155	343/343	155/155	175/175	124/139	347/347	347/347			
112A+110A	37.8/50.0	104.2/120.3	144/144	150/150	132/151	338/338	149/149	150/150	150/150	136/155	342/342	150/150	150/150	150/150	138/156	343/343	155/155	343/343	155/155	175/175	124/139	347/347	347/347					
460-3-60		STD	NONE	-	-	24	30	25	148	26	30	30	27	150	26	30	30	28	150	28	30	30	152	152				
			116A	13.9	16.7	26	30	25	148	28	30	30	27	150	28	30	30	28	150	31	35	30	152	152				
			113A	16.5	19.8	29	30	27	148	32	35	29	150	32	29	150	32	35	29	150	34	35	31	152	152			
			115A	33.0	39.7	54	60	50	148	57	60	52	150	57	60	52	150	60	52	150	59	60	54	152	152			
			114A+116A	41.7	50.2	67	70	62	148	70	64	150	70	64	150	70	64	70	64	150	72	80	66	152	152			
		115A+113A	50.0	60.1	65	70	73	148	67	70	75	150	68	70	75	150	70	76	150	70	70	80	78	152	152			
		116A	13.9	16.7	26	30	27	163	28	30	29	165	28	30	29	165	28	30	165	30	35	32	167	167				
		119A	16.5	19.8	32	35	29	163	34	35	29	165	31	32	31	165	31	35	165	37	40	33	167	167				
		115A	33.0	39.7	57	60	52	163	59	60	54	165	59	60	54	165	60	54	165	62	70	56	167	167				
		114A+116A	41.7	50.2	70	70	64	163	72	80	66	165	73	80	66	165	80	66	165	75	80	68	167	167				
115A+113A	50.0	60.1	67	80	75	163	69	80	77	165	70	80	77	165	80	78	165	72	80	80	80	167	167					
575-3-60		STD	NONE	-	-	27	30	29	164	29	35	35	31	166	29	35	35	31	166	31	35	33	168	168				
			116A	13.9	16.7	29	30	29	164	32	35	31	166	32	35	31	166	32	35	34	35	33	168	168				
			113A	16.5	19.8	33	35	30	164	35	35	32	166	36	35	32	166	36	35	38	40	35	168	168				
			115A	33.0	39.7	58	60	53	164	60	60	55	166	61	70	56	166	63	70	58	70	58	168	168				
			114A+116A	41.7	50.2	71	80	65	164	73	80	67	166	74	80	67	166	76	80	68	76	80	70	168	168			
		115A+113A	50.0	60.1	69	80	76	164	69	80	76	166	71	80	76	166	74	80	79	74	80	81	168	168				
		116A	13.9	16.7	27	30	29	164	29	35	31	166	29	35	31	166	29	35	31	23	25	25	111	111				
		119A	17.0	20.4	33	30	26	105	33	35	30	109	31	35	28	107	33	35	28	107	35	32	111	111				
		119A	34.0	40.9	54	60	49	105	59	60	54	109	56	60	51	107	61	70	56	61	61	70	56	111	111			
		118A+119A	51.0	61.3	64	70	73	105	69	80	77	109	66	70	75	107	71	80	75	71	71	80	79	111	111			
MED	NONE	-	-	19	20	19	116	22	25	24	120	20	25	20	25	25	21	118	24	26	26	122	122					
	118A	17.0	20.4	29	30	27	116	34	35	31	120	32	35	29	118	36	40	33	36	40	33	122	122					
	119A	34.0	40.9	55	60	50	116	60	60	55	120	57	60	52	118	62	70	57	62	70	57	122	122					
	118A+119A	51.0	61.3	65	70	74	116	70	80	78	120	63	70	76	118	72	80	72	72	80	80	80	122	122				
	119A	34.0	40.9	59	60	53	130	63	70	58	134	61	70	55	132	65	70	60	65	70	60	136	136					
118A+119A	51.0	61.3	69	80	77	130	74	80	77	134	71	80	79	132	76	80	79	76	76	80	83	136	136					

See: "Legend and Notes for Tables 1 - 4" on page 41.

Table 2 - Unit Wire Sizing Data with Factory Installed HACR Breaker (cont)

UNIT	NO M. V-PH-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.						w/ PWRD C.O.												
		IFM TYPE	CR/EATER***A00	Nom (KW)	FLA	NO PE.			w/ PE. (pwrd fr/unit)			NO PE.			w/ PE. (pwrd fr/unit)									
						MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA				
208/230-3-60	STD	NONE				56/56	70/70	59/58	330	334	63/63	70/70	69/63	334	61/61	80/80	70/70	64/64	335	65/65	80/80	68/68	339	
		291A	12.4/16.5	34.4/39.7		60/60	70/70	59/58	330/330	344/344	63/63	80/80	70/70	63/63	334/334	66/66	80/80	70/70	64/64	335/335	71/71	80/80	68/68	339/339
		288A+291A	19.9/26.5	55.3/63.8		91/91	100/100	79/83	330/330	344/344	78/87	100/100	100/100	79/87	334/334	97/97	100/100	100/100	78/88	335/335	101/101	110/110	83/93	339/339
		294A	25.2/33.5	69.9/80.6		112/112	125/125	90/102	330/330	344/344	94/107	125/125	125/125	94/107	334/334	118/118	125/125	125/125	96/108	335/335	122/122	125/125	100/112	339/339
		288A+294A	32.7/43.5	90.7/104.7		142/142	150/150	114/130	330/330	344/344	118/134	150/150	150/150	118/134	334/334	148/148	150/150	150/150	119/135	335/335	152/152	124/140	339/339	
		291A+294A	37.8/50.0	104.3/120.3		141/141	150/150	130/148	330/330	344/344	134/152	150/150	150/150	134/152	334/334	147/147	150/150	150/150	135/153	335/335	152/152	139/158	339/339	
		NONE				58	70	61	344	348	65	80	80	65	348	63	80	80	67	349	67	80	71	353
		291A	12.4/16.5	34.4/39.7		63/63	70/70	61/61	344/344	348/348	65/65	80/80	80/80	65/65	348/348	69/69	80/80	80/80	67/67	349/349	74/74	80/80	71/71	353/353
		288A+291A	19.9/26.5	55.3/63.8		93/93	100/100	76/86	344/344	348/348	80/90	100/100	100/100	80/90	348/348	99/99	100/100	100/100	81/91	349/349	104/104	110/110	86/95	353/353
		294A	25.2/33.5	69.9/80.6		114/114	125/125	83/105	344/344	348/348	97/109	125/125	125/125	97/109	348/348	120/120	125/125	125/125	98/110	349/349	125/125	125/125	102/115	353/353
		288A+294A	32.7/43.5	90.7/104.7		145/145	150/150	116/133	344/344	348/348	121/137	150/150	150/150	121/137	348/348	151/151	150/150	150/150	122/138	349/349	155/155	126/142	353/353	
		291A+294A	37.8/50.0	104.3/120.3		144/144	150/150	132/151	344/344	348/348	137/155	150/150	150/150	137/155	348/348	150/150	150/150	150/150	138/156	349/349	155/155	142/160	353/353	
50HC*D14	HIGH	NONE			68	80	72	350	354	77	80	80	77	354	73	80	80	78	355	77	80	82	359	
		291A	12.4/16.5	34.4/39.7		76/76	80/80	72/72	350/350	354/354	77/77	80/80	80/80	77/77	354/354	82/82	90/90	90/90	78/78	355/355	86/86	90/90	82/82	359/359
		288A+291A	19.9/26.5	55.3/63.8		106/106	110/110	87/97	350/350	354/354	91/101	125/125	125/125	91/101	354/354	112/112	125/125	125/125	93/102	355/355	116/116	125/125	97/107	359/359
		294A	25.2/33.5	69.9/80.6		127/127	150/150	104/116	350/350	354/354	108/121	150/150	150/150	108/121	354/354	133/133	150/150	150/150	109/122	355/355	137/137	150/150	114/126	359/359
		288A+294A	32.7/43.5	90.7/104.7		157/157	175/175	128/144	350/350	354/354	132/148	175/175	175/175	132/148	354/354	163/163	175/175	175/175	133/149	355/355	168/168	175/175	138/154	359/359
		291A+294A	37.8/50.0	104.3/120.3		156/156	175/175	143/162	350/350	354/354	148/166	175/175	175/175	148/166	354/354	162/162	175/175	175/175	149/167	355/355	167/167	175/175	153/172	359/359
		NONE				29	35	30	166	168	32	35	35	32	168	31	40	40	32	168	33	40	35	170
		292A	16.5	19.9		31	35	30	166	168	32	35	35	32	168	33	40	40	32	168	36	40	35	170
		289A+292A	26.5	31.9		46	50	42	166	168	44	50	50	44	168	48	50	50	45	175	52	60	47	177
		295A	33.5	40.3		56	60	51	166	168	53	60	60	53	168	59	60	60	55	175	62	70	57	177
		289A+295A	43.5	52.3		71	80	65	166	168	67	73	73	67	168	74	80	80	69	175	77	80	71	177
		292A+295A	50.0	60.2		66	70	74	166	168	76	80	80	76	168	76	80	80	77	175	72	80	80	177
460-3-60	MED	NONE			30	35	31	173	175	33	40	40	33	175	32	40	40	34	175	34	40	36	177	
		292A	16.5	19.9		32	35	31	173	175	33	40	40	33	175	35	40	34	175	37	40	36	177	
		289A+292A	26.5	31.9		47	50	43	173	175	45	50	50	45	175	50	50	45	175	52	60	47	177	
		295A	33.5	40.3		57	60	52	173	175	55	60	60	55	175	60	60	55	175	62	70	57	177	
		289A+295A	43.5	52.3		72	80	66	173	175	68	80	80	68	175	75	80	80	69	175	77	80	71	177
		292A+295A	50.0	60.2		67	80	75	173	175	77	80	80	77	175	70	80	80	78	175	72	80	80	177
		NONE				35	40	37	176	178	39	45	45	39	178	37	45	45	39	178	39	45	41	180
		292A	16.5	19.9		38	40	37	176	178	39	45	45	39	178	41	45	45	39	178	43	45	41	180
		289A+292A	26.5	31.9		53	60	48	176	178	50	55	55	50	178	56	60	60	51	178	58	60	53	180
		295A	33.5	40.3		64	70	58	176	178	60	70	70	60	178	66	70	70	61	178	69	70	63	180
		289A+295A	43.5	52.3		79	80	72	176	178	74	80	80	74	178	81	90	90	74	178	84	90	76	180
		292A+295A	50.0	60.2		73	80	81	176	178	83	80	80	83	178	76	80	80	83	178	78	80	86	180

See: "Legend and Notes for Tables 1 - 4" on page 41.

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Table 2 - Unit Wire Sizing Data with Factory Installed HACR Breaker (cont)

UNIT	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.										w/ PWRD C.O.									
		CRHEATER**A00	Nom (kW)	FLA	NO P.E.			w/ P.E. (pwrld fr/unit)			NO P.E.			w/ P.E. (pwrld fr/unit)			NO P.E.			w/ P.E. (pwrld 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	MCA	HACR BRKR	DISC. SIZE FLA LRA					
50HC*D14	STD	NONE	-	-	22	25	23	128	26	30	27	132	24	30	25	130	28	30	25	130	29	30	29	134
		293A	16.5	15.9	24	25	23	128	29	30	27	132	26	30	25	130	31	35	25	130	29	35	29	134
		290A+293A	26.5	25.5	36	40	33	128	41	45	37	132	38	40	35	130	43	45	35	130	39	45	39	134
		296A	33.5	32.2	44	45	40	128	49	50	45	132	46	50	42	130	51	60	42	130	47	60	47	134
		290A+296A	43.5	41.8	56	60	51	128	61	70	56	132	58	60	53	130	63	70	53	130	58	70	58	134
575-3-60	MED	293A+296A	50.0	48.1	52	60	59	128	57	60	63	132	54	60	60	130	59	60	60	130	65	60	65	134
		NONE	-	-	22	25	23	128	26	30	27	132	24	30	25	130	28	30	25	130	29	30	29	134
		293A	16.5	15.9	24	25	23	128	29	30	27	132	26	30	25	130	31	35	25	130	29	35	29	134
		290A+293A	26.5	25.5	36	40	33	128	41	45	37	132	38	40	35	130	43	45	35	130	39	45	39	134
		296A	33.5	32.2	44	45	40	128	49	50	45	132	46	50	42	130	51	60	42	130	47	60	47	134
50HC*D14	HIGH	290A+296A	43.5	41.8	64	70	58	140	69	70	63	144	66	70	60	142	71	80	60	142	71	80	65	146
		293A+296A	50.0	48.1	60	70	66	140	65	70	70	144	62	70	68	142	67	70	68	142	67	70	72	146
		NONE	-	-	29	35	30	140	32	40	34	144	30	35	32	142	34	40	32	142	34	40	36	146
		293A	16.5	15.9	32	35	30	140	36	40	34	144	34	35	32	142	38	40	32	142	38	40	36	146
		290A+293A	26.5	25.5	44	45	40	140	48	50	44	144	46	50	42	142	50	60	42	142	50	60	46	146

See: "Legend and Notes for Tables 1 - 4" on page 41.

**Table 3 – Unit Wire Sizing Data with Factory Installed 2 Speed Indoor Fan Option**

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	NO PE.			w/ P.E. (pwrdr fr/unit)			NO PE.			w/ P.E. (pwrdr fr/unit)						
						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	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE						
50HC-D08	208/230-3-60	STD	NONE	-	-	40/40	50/50	41/41	195	44/43	50/50	46/46	199	45/44	50/50	47/47	200	48/48	60/60	51/51	204
			117A	7.8/10.4	21.7/25.0	40/40	50/50	41/41	195/195	44/43	50/50	46/46	199/199	45/45	50/50	47/47	200/200	48/49	60/60	51/51	204/204
			110A	12.0/16.0	33.4/38.5	49/56	50/60	45/51	195/195	54/60	60/80	49/55	199/199	55/62	60/70	51/56	200/200	60/66	60/70	55/61	204/204
			111A	18.6/24.8	51.7/59.7	72/82	80/90	66/75	195/195	77/87	80/90	70/79	199/199	78/88	80/90	72/81	200/200	83/93	90/100	76/85	204/204
			112A	24.0/32.0	66.7/77.0	91/104	100/110	83/95	195/195	96/108	100/110	88/99	199/199	97/110	100/110	89/101	100/110	102/114	110/125	93/105	204/204
			112A+117A	31.8/42.4	88.4/102.0	118/135	125/150	108/124	195/195	123/140	125/150	113/128	199/199	127/141	125/150	114/129	200/200	129/146	150/175	118/134	204/204
	460-3-60	MED	NONE	-	-	45/44	50/50	47/46	249	49/48	60/60	52/50	253	50/49	60/60	53/52	254	53/52	60/60	57/56	258
			117A	7.8/10.4	21.7/25.0	45/44	50/50	47/46	249/249	49/49	60/60	52/50	253/253	50/50	60/60	53/52	254/254	53/55	60/60	57/56	258/258
			110A	12.0/16.0	33.4/38.5	56/61	60/70	51/56	249/249	60/66	60/70	55/60	253/253	62/67	70/70	56/61	254/254	66/72	70/80	61/65	258/258
			111A	18.6/24.8	51.7/59.7	79/87	80/90	72/80	249/249	83/92	90/100	76/84	253/253	85/93	90/100	77/85	254/254	89/98	90/100	82/90	258/258
			112A	24.0/32.0	66.7/77.0	97/109	100/110	89/100	249/249	102/114	110/125	93/104	253/253	103/115	110/125	95/105	254/254	108/120	110/125	99/110	258/258
			112A+117A	31.8/42.4	88.4/102.0	124/140	125/150	114/129	249/249	129/145	150/150	118/133	253/253	130/146	150/150	120/134	254/254	135/151	150/175	124/138	258/258
575-3-60	208/230-3-60	STD	NONE	-	-	19	20	19	97	20	25	21	99	21	25	22	99	23	25	24	101
			116A	13.9	16.7	25	25	23	97	30	27	30	25	99	30	30	25	99	30	27	101
			113A	16.5	19.8	29	30	26	97	31	35	28	99	32	35	29	99	34	35	31	101
			114A	27.8	33.4	46	50	42	97	48	50	44	99	49	50	44	99	51	60	46	101
			115A	33.0	39.7	54	60	49	97	56	60	51	99	56	60	52	99	59	60	54	101
			114A+116A	41.7	50.2	67	70	61	97	69	70	63	99	70	80	64	99	72	80	66	101
	460-3-60	MED	NONE	-	-	20	25	20	100	21	25	21	102	22	25	25	102	24	25	25	104
			116A	13.9	16.7	26	30	24	100	28	30	26	102	29	30	26	102	31	35	28	104
			113A	16.5	19.8	30	30	27	100	32	35	29	102	33	35	30	102	35	35	32	104
			114A	27.8	33.4	47	50	43	100	49	50	45	102	50	50	45	102	52	60	47	104
			115A	33.0	39.7	55	60	50	100	57	60	52	102	58	60	53	102	60	60	55	104
			114A+116A	41.7	50.2	68	70	62	100	70	70	64	102	71	80	65	102	73	80	67	104
575-3-60	STD	NONE	-	-	21	25	22	125	22	25	24	127	23	25	24	127	25	25	26	129	
		116A	13.9	16.7	27	30	25	125	30	27	30	27	127	30	30	27	127	32	35	29	129
		113A	16.5	19.8	31	35	28	125	34	35	30	127	34	35	31	127	36	40	33	129	
		114A	27.8	33.4	48	50	44	125	51	60	47	127	51	60	47	127	53	60	49	129	
		115A	33.0	39.7	56	60	51	125	58	60	53	127	59	60	54	127	61	70	56	129	
		114A+116A	41.7	50.2	69	70	63	125	72	80	65	127	72	80	66	127	74	80	68	129	
575-3-60	MED	NONE	-	-	14	15	14	79	18	20	19	83	16	20	16	81	19	25	21	85	
		118A	17.0	20.4	29	30	27	79	34	35	31	83	32	35	29	81	36	40	33	85	
		119A	34.0	40.9	55	60	50	79	60	60	55	83	57	60	52	81	62	70	57	85	
		NONE	-	-	15	20	15	83	18	20	19	87	16	20	17	85	20	25	21	89	
		118A	17.0	20.4	30	30	27	83	35	35	32	87	32	35	29	85	37	40	34	89	
		119A	34.0	40.9	56	60	51	83	61	70	55	87	58	60	53	85	63	70	57	89	
575-3-60	HIGH	NONE	-	-	16	20	16	92	19	25	21	96	17	20	18	94	21	25	23	98	
		118A	17.0	20.4	32	35	29	92	36	40	33	96	34	35	31	94	38	40	35	98	
		119A	34.0	40.9	57	60	52	92	62	70	57	96	59	60	54	94	64	70	59	98	

See: "Legend and Notes for Tables 1 - 4" on page 41.

**50HC\*\*04-14**

Table 3 - Unit Wire Sizing Data with Factory Installed 2 Speed Indoor Fan Option (cont)

UNIT	NO M. V-PH-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.										w/ PWRD C.O.											
			CRHEATER**A00	Nom (kW)	FLA	NO PE.					w/ PE. (pwrd fr/unit)					NO PE.					w/ PE. (pwrd fr/unit)						
						MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	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*D09	208/230-3-60	STD	NONE	-	-	40/40	50/50	42/41	195	44/44	50/50	46/46	199	45/45	50/50	47/47	203	46/46	199/199	45/45	50/50	47/47	200	49/48	60/60	52/51	204
			117A	7.8/10.4	21.7/25.0	40/40	50/50	42/41	195/195	44/44	50/50	46/46	199/199	45/45	50/50	47/47	203/203	46/46	199/199	45/45	50/50	47/47	200/200	49/49	60/60	52/51	204/204
			110A	12.0/16.0	33.4/38.5	49/56	50/60	45/51	195/195	54/60	60/60	49/55	199/199	55/62	60/70	60/70	203/203	57/63	204/204	55/62	60/70	51/56	200/200	60/66	60/70	55/61	204/204
			111A	18.6/24.8	51.7/59.7	72/82	80/90	66/75	195/195	77/87	80/90	70/79	199/199	78/88	80/90	80/90	203/203	73/82	204/204	78/88	80/90	72/81	200/200	83/93	90/100	76/85	204/204
			112A	24.0/32.0	66.7/77.0	91/104	100/110	83/95	195/195	96/108	100/110	88/99	199/199	97/110	100/110	100/110	203/203	90/102	204/204	97/110	100/110	89/101	200/200	102/114	110/125	93/105	204/204
			112A+117A	31.8/42.4	88.4/102.0	118/135	125/150	108/124	195/195	123/140	125/150	113/128	199/199	124/141	125/150	125/150	203/203	115/131	204/204	124/141	125/150	114/129	200/200	129/146	150/150	118/134	204/204
	460-3-60	MED	NONE	-	-	45/44	50/50	47/46	249	49/49	60/60	52/51	253	50/50	60/60	53/52	254	54/53	60/60	57/56	60/60	57/56	254	60/60	57/56	258	
			117A	7.8/10.4	21.7/25.0	45/44	50/50	47/46	249/249	49/49	60/60	52/51	253/253	50/50	60/60	53/52	254/254	54/55	60/60	57/56	60/60	57/56	254/254	60/60	57/56	258/258	
			110A	12.0/16.0	33.4/38.5	56/61	60/70	51/56	249/249	60/66	60/60	55/60	253/253	62/67	70/70	70/70	253/253	66/72	70/80	61/65	70/80	61/65	254/254	70/80	61/65	258/258	
			111A	18.6/24.8	51.7/59.7	79/87	80/90	72/81	249/249	83/92	90/100	76/84	253/253	85/93	90/100	90/100	253/253	89/98	90/100	82/90	90/100	82/90	254/254	90/100	82/90	258/258	
			112A	24.0/32.0	66.7/77.0	97/109	100/110	89/100	249/249	102/114	110/125	93/104	253/253	103/115	110/125	110/125	253/253	108/120	110/125	99/110	110/125	99/110	254/254	108/120	110/125	258/258	
			112A+117A	31.8/42.4	88.4/102.0	124/140	125/150	114/129	249/249	129/145	150/150	118/133	253/253	130/146	150/150	150/150	253/253	131/147	150/150	120/134	150/175	120/134	254/254	131/147	150/150	120/134	258/258
575-3-60	STD	NONE	-	-	19	25	19	97	21	25	22	99	21	25	25	102	22	25	25	25	22	99	23	25	24	101	
		116A	13.9	16.7	25	30	23	97	27	30	25	99	28	30	30	102	29	30	30	30	27	99	30	30	27	101	
		113A	16.5	19.8	29	35	26	97	31	35	28	99	32	35	35	102	31	35	35	35	29	99	34	35	31	101	
		114A	27.8	33.4	46	50	42	97	48	48	44	99	49	50	50	102	49	50	50	50	44	99	51	50	46	101	
		115A	33.0	39.7	54	60	49	97	56	56	51	99	56	60	60	102	56	58	60	60	52	99	59	60	54	101	
		114A+116A	41.7	50.2	67	70	61	97	69	69	63	99	70	70	70	102	71	72	70	70	64	99	72	80	66	101	
	HIGH	NONE	-	-	20	25	20	100	22	25	23	102	22	25	25	102	22	25	25	25	23	102	24	25	24	104	
		116A	13.9	16.7	26	30	24	100	28	28	26	102	29	30	30	102	29	30	30	30	26	102	31	35	28	104	
		113A	16.5	19.8	30	35	27	100	32	32	29	102	33	35	35	102	33	35	35	35	30	102	35	35	32	104	
		114A	27.8	33.4	47	50	43	100	49	49	45	102	50	50	50	102	50	50	50	50	45	102	52	60	47	104	
		115A	33.0	39.7	55	60	50	100	57	57	52	102	58	60	60	102	58	60	60	60	53	102	60	60	55	104	
		114A+116A	41.7	50.2	68	70	62	100	67	67	64	102	69	70	70	102	70	72	70	70	65	102	73	80	67	104	
STD	NONE	-	-	15	20	16	79	19	19	20	83	17	20	20	83	17	20	20	20	18	81	21	25	22	85		
	118A	17.0	20.4	29	30	27	79	34	35	31	83	32	35	35	81	32	35	35	35	29	81	36	40	33	85		
	119A	34.0	40.9	55	60	50	79	60	60	55	83	57	60	60	83	57	60	60	60	52	81	62	70	57	85		
	NONE	-	-	16	20	16	83	20	25	21	87	18	20	20	87	18	20	20	20	18	85	21	25	23	89		
	118A	17.0	20.4	30	30	27	83	35	35	32	87	32	35	35	85	32	35	35	35	29	85	37	40	34	89		
	119A	34.0	40.9	56	60	51	83	61	60	55	87	58	60	60	87	58	60	60	60	53	85	63	70	57	89		
HIGH	NONE	-	-	17	20	18	92	21	25	22	96	19	20	20	96	19	20	20	20	20	94	22	25	24	98		
	118A	17.0	20.4	32	35	29	92	36	40	33	96	34	35	35	94	34	35	35	35	31	94	38	40	35	98		
	119A	34.0	40.9	57	60	52	92	62	70	57	96	59	60	60	96	59	60	60	60	54	94	64	70	59	98		

See: "Legend and Notes for Tables 1 - 4" on page 41.

Table 3 - Unit Wire Sizing Data with Factory Installed 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.													
		IFM TYPE	CRHEATER***A00	Nom (kW)	FLA	NO PE.				w/ P.E. (pwrd fr/unit)				NO PE.				w/ P.E. (pwrd fr/unit)									
						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*D11	460-3-60	STD	NONE	-	-	51/50	53/53	254	58/57	258	56/55	60/60	59/58	259	59/59	70/70	63/63	263	63/63	263	70/70	63/63	263	70/70	63/63	263	
			117A	7.8/10.4	21.7/25.0	51/50	53/53	254/254	58/57	258/258	56/55	60/60	59/58	259/259	59/59	70/70	63/63	263/263	63/63	263	70/70	63/63	263	70/70	63/63	263	
			110A	12.0/16.0	33.4/38.5	51/57	53/53	254/254	58/57	258/258	56/62	60/70	59/58	259/259	62/68	70/70	63/63	263/263	63/63	263	70/70	63/63	263	70/70	63/63	263	
			112A	24.0/32.0	66.7/77.0	93/105	85/96	254/254	89/101	258/258	97/110	100/110	97/110	100/110	103/116	110/125	95/106	263/263	95/106	263	110/125	95/106	263	150/150	120/135	263	
			112A+117A	31.8/42.4	88.4/102.0	120/136	110/125	254/254	114/129	258/258	126/142	125/141	114/129	125/150	131/147	150/150	131/147	150/150	131/147	150	150/150	131/147	150	150/150	131/147	150	
			112A+110A	37.9/50.0	104.2/120.3	140/129	128/146	254/254	132/150	258/258	148/135	144/134	132/151	150/150	148/135	150/150	148/135	150/150	148/135	150	150/150	148/135	150	150/150	148/135	150	
		MED	NONE	-	-	54/53	58/56	304	62/61	308	58/58	308	59/58	70/70	63/62	309	63/62	313	67/66	313	70/70	63/62	309	63/62	313	70/70	63/62
			117A	7.8/10.4	21.7/25.0	54/53	58/56	304/304	62/61	308/308	58/57	308/308	59/58	70/70	63/62	309/309	63/62	313/313	67/66	313	70/70	63/62	309/309	63/62	313/313	70/70	63/62
			110A	12.0/16.0	33.4/38.5	56/61	58/56	304/304	62/61	308/308	60/66	304/304	60/66	70/70	63/62	309/309	66/72	313/313	67/66	313	70/70	63/62	309/309	66/72	313/313	70/70	63/62
			112A	24.0/32.0	66.7/77.0	97/109	89/100	304/304	93/104	308/308	102/114	304/304	102/114	110/125	95/105	309/309	108/120	110/125	99/110	110	110/125	95/105	309/309	108/120	110/125	99/110	110
			112A+117A	31.8/42.4	88.4/102.0	124/140	114/129	304/304	118/133	308/308	129/145	304/304	129/145	150/150	118/133	308/308	135/151	150/150	124/138	135	150/150	118/133	308/308	135/151	150/150	124/138	135
			112A+110A	37.9/50.0	104.2/120.3	144/133	132/150	304/304	137/154	308/308	149/138	304/304	149/138	150/150	137/154	308/308	155/144	150/150	142/160	155	150/150	137/154	308/308	155/144	150/150	142/160	155
50HC*D11	460-3-60	STD	NONE	-	-	24	25	122	27	124	25	30	27	124	26	29	28	29	30	27	124	28	29	30	27	124	
			118A	13.9	16.7	26	25	122	27	124	28	29	26	30	27	124	29	31	35	30	27	124	31	35	29	29	
			119A	16.5	19.8	30	27	122	32	124	32	124	33	35	30	124	33	35	32	30	27	124	35	32	35	32	
			115A	33.0	39.7	55	50	122	57	124	57	124	58	60	52	124	58	60	55	60	50	53	124	60	55	60	55
			114A+116A	41.7	50.2	68	62	122	64	124	64	124	71	70	64	124	71	70	66	73	80	65	124	73	80	67	78
			115A+113A	50.0	60.1	70	73	122	68	124	68	124	68	70	66	124	68	70	68	74	80	77	124	74	80	78	78
		MED	NONE	-	-	25	26	147	28	149	27	149	27	30	28	149	27	29	28	29	30	28	149	29	30	28	149
			116A	13.9	16.7	27	26	147	28	149	30	149	28	30	28	149	30	30	30	30	30	28	149	32	35	30	30
			119A	16.5	19.8	31	28	147	34	149	34	149	34	35	30	149	34	35	31	35	30	149	36	40	33	30	30
			115A	33.0	39.7	56	51	147	58	149	58	149	59	60	53	149	59	60	54	61	70	54	149	61	70	56	56
			114A+116A	41.7	50.2	69	63	147	72	149	72	149	72	80	65	149	72	80	66	74	80	66	149	74	80	68	68
			115A+113A	50.0	60.1	77	75	147	69	149	69	149	69	80	77	149	69	80	77	79	80	77	149	72	80	79	79
575-3-60	575-3-60	STD	NONE	-	-	26	28	152	29	154	28	30	28	154	28	30	28	29	30	28	154	29	30	28	154		
			118A	13.9	16.7	29	28	152	29	154	32	154	32	35	30	154	32	35	32	30	28	154	34	35	32	32	
			119A	16.5	19.8	33	30	152	35	154	35	154	36	35	30	154	36	35	33	30	28	154	38	40	35	35	
			115A	33.0	39.7	58	53	152	60	154	60	154	61	70	56	154	61	70	56	58	70	56	154	63	70	58	58
			114A+116A	41.7	50.2	71	65	152	73	154	73	154	74	80	67	154	74	80	68	76	80	68	154	76	80	70	70
			115A+113A	50.0	60.1	69	76	152	71	154	71	154	71	80	79	154	71	80	79	79	80	79	154	74	80	81	81
		MED	NONE	-	-	19	20	97	23	101	23	101	21	25	24	101	21	25	22	26	30	22	99	25	30	26	26
			118A	17.0	20.4	30	27	97	35	101	35	101	32	35	29	99	32	35	29	34	40	29	99	37	40	34	34
			119A	34.0	40.9	56	51	97	61	101	61	101	58	60	53	99	58	60	53	63	70	53	99	63	70	57	57
			118A+119A	51.0	61.3	66	75	97	71	101	71	101	68	80	76	99	68	80	76	73	80	76	99	73	80	81	81
			118A+119A	51.0	61.3	67	80	106	72	106	72	106	70	80	78	108	70	80	78	74	80	78	108	74	80	82	82
			118A+119A	51.0	61.3	67	80	106	72	106	72	106	70	80	78	108	70	80	78	74	80	78	108	74	80	82	82
HIGH	NONE	-	-	22	23	120	26	124	26	124	24	25	25	124	24	25	22	26	30	23	122	28	30	29	29		
	118A	17.0	20.4	34	31	120	38	124	38	124	36	40	35	124	36	40	33	41	45	33	122	41	45	37	37		
	119A	34.0	40.9	59	54	120	64	124	64	124	61	70	56	122	61	70	56	66	70	56	122	66	70	60	60		
	118A+119A	51.0	61.3	70	78	120	74	124	74	124	72	80	78	122	72	80	78	76	80	78	122	76	80	84	84		
	118A+119A	51.0	61.3	70	78	120	74	124	74	124	72	80	78	122	72	80	78	76	80	78	122	76	80	84	84		
	118A+119A	51.0	61.3	70	78	120	74	124	74	124	72	80	78	122	72	80	78	76	80	78	122	76	80	84	84		

See: "Legend and Notes for Tables 1 - 4" on page 41.



Table 3 - Unit Wire Sizing Data with Factory Installed 2 Speed Indoor Fan Option (cont)

UNIT	NO M. V.-Ph-HZ	ELEC. HTR							NO C.O. or UNPWR C.O.																	
		IFM TYPE	CRHEATER**A00	Nom (kW)	FLA	NO PE.					w/ PE. (pwrfd fr/unit)					NO PE.					w/ PWRD C.O.					
						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	LRA			FLA	LRA			FLA	LRA			FLA	LRA	FLA	LRA			
FUSE or HACR BRKR		DISC. SIZE		FUSE or HACR BRKR		DISC. SIZE		FUSE or HACR BRKR		DISC. SIZE		FUSE or HACR BRKR		DISC. SIZE		FUSE or HACR BRKR		DISC. SIZE								
50HC*D12	STD	NONE	—	—	—	—	50/49	52/52	279	53/53	60/60	56/56	283	283/283	54/54	60/60	57/57	284	58/58	70/70	62/61	70/70	66/65	338	288/288	
		117A	7.8/10.4	21.7/25.0	—	50/49	52/52	279/279	53/53	60/60	56/56	283/283	283/283	54/54	60/60	57/57	284/284	58/58	70/70	62/61	70/70	66/65	338/338	338/338	288/288	
		110A	12.0/16.0	33.4/38.5	—	51/57	279/279	56/62	283/283	283/283	60/60	56/56	283/283	283/283	57/63	60/60	57/57	284/284	62/68	70/70	62/61	70/80	66/65	338/338	338/338	
		112A	24.9/32.0	66.7/77.0	—	93/105	279/279	85/96	283/283	283/283	100/110	89/101	89/101	89/101	97/110	100/110	100/110	100/110	103/116	103/116	110/125	99/110	110/125	99/110	338/338	288/288
		112A+117A	31.8/42.4	88.4/102.0	—	120/136	279/279	110/125	283/283	283/283	125/150	114/129	114/129	114/129	126/142	150/150	115/131	284/284	131/147	150/150	150/150	150/150	120/135	288/288	288/288	
	112A+110A	37.8/50.0	104.2/120.3	—	140/129	279/279	128/146	283/283	283/283	150/150	132/151	132/151	132/151	146/135	150/150	134/152	284/284	150/140	150/140	150/150	150/150	138/156	288/288	288/288		
	MED	NONE	—	—	—	53/52	329	57/56	329	60/59	60/60	56/55	333	333/333	58/57	70/70	62/60	334	62/61	70/70	66/65	70/70	66/65	338	338/338	
		117A	7.8/10.4	21.7/25.0	—	53/52	329/329	57/56	329/329	60/59	70/70	56/55	333/333	333/333	58/57	70/70	62/60	334/334	62/61	70/70	66/65	70/80	66/65	338/338	338/338	
		110A	12.0/16.0	33.4/38.5	—	56/61	329/329	56/56	329/329	60/60	60/60	56/56	333/333	333/333	62/67	70/70	62/61	334/334	66/72	70/80	66/65	70/80	66/65	338/338	338/338	
		112A	24.9/32.0	66.7/77.0	—	97/109	329/329	89/100	329/329	100/110	89/100	89/100	333/333	333/333	103/115	110/125	95/105	334/334	108/120	110/125	99/110	110/125	99/110	338/338	338/338	
112A+117A		31.8/42.4	88.4/102.0	—	124/140	329/329	114/129	329/329	125/141	150/150	118/133	333/333	333/333	130/146	150/150	120/134	334/334	135/151	150/175	150/175	150/175	124/138	338/338	338/338		
112A+110A	37.8/50.0	104.2/120.3	—	144/133	329/329	132/150	329/329	149/138	150/150	137/154	333/333	333/333	150/139	150/150	138/155	334/334	155/144	175/175	175/175	142/160	338/338	338/338				
460-3-60	STD	NONE	—	—	—	25	26	134	26	28	28	136	136	27	30	28	136	29	28	30	35	30	138	349/349		
		116A	13.9	16.7	—	26	134	26	134	28	30	28	136	136	29	30	28	136	31	35	30	32	138	349/349		
		113A	16.5	19.8	—	30	134	27	134	32	35	29	136	136	33	35	30	136	35	35	35	32	138	349/349		
		115A	33.0	39.7	—	55	134	50	134	57	60	50	136	136	58	60	53	136	60	60	60	55	138	349/349		
		114A+116A	41.7	50.2	—	68	134	62	134	70	70	64	136	136	71	80	65	136	73	80	67	78	138	349/349		
	115A+113A	50.0	60.1	—	65	134	73	134	68	80	76	136	136	68	80	76	136	70	80	80	78	138	349/349			
	MED	NONE	—	—	—	26	159	27	159	28	30	29	161	161	28	30	29	161	30	35	30	32	163	349/349		
		116A	13.9	16.7	—	27	159	27	159	30	30	29	161	161	29	30	29	161	32	35	35	32	163	349/349		
		113A	16.5	19.8	—	31	159	28	159	34	35	30	161	161	34	35	31	161	36	40	33	35	163	349/349		
		115A	33.0	39.7	—	56	159	51	159	58	60	53	161	161	59	60	54	161	61	70	70	56	163	349/349		
114A+116A		41.7	50.2	—	69	159	63	159	72	80	66	161	161	72	80	66	161	74	80	80	68	163	349/349			
115A+113A	50.0	60.1	—	67	159	75	159	69	80	77	161	161	69	80	77	161	72	80	80	79	163	349/349				
575-3-60	STD	NONE	—	—	—	19	20	107	19	25	24	111	111	19	25	22	109	25	25	30	26	27	122	136		
		118A	17.0	20.4	—	20	107	19	107	23	30	24	111	111	21	25	22	109	25	30	26	27	122	136		
		119A	34.0	40.9	—	56	107	51	107	61	70	55	111	111	58	60	53	109	63	70	57	57	113	136		
		118A+119A	51.0	61.3	—	66	107	75	107	71	80	79	111	111	68	80	76	109	73	80	80	81	113	136		
		118A+119A	51.0	61.3	—	66	107	75	107	71	80	79	111	111	68	80	76	109	73	80	80	81	113	136		
	MED	NONE	—	—	—	20	116	21	116	24	30	26	120	120	22	25	23	118	26	30	27	27	122	136		
		118A	17.0	20.4	—	32	116	29	116	36	40	33	120	120	34	35	31	118	38	40	35	35	122	136		
		119A	34.0	40.9	—	57	116	52	116	62	70	57	120	120	59	60	54	118	64	70	59	59	122	136		
		118A+119A	51.0	61.3	—	67	116	76	116	72	80	78	120	120	74	80	78	118	74	80	80	82	122	136		
		118A+119A	51.0	61.3	—	67	116	76	116	72	80	78	120	120	74	80	78	118	74	80	80	82	122	136		

See: "Legend and Notes for Tables 1 - 4" on page 41.



Table 3 - Unit Wire Sizing Data with Factory Installed 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.															
		IFM TYPE	CRHEATER**A00	Nom (kW)	FLA	NO PE.			w/ P.E. (pwrdr fr/unit)			NO PE.			w/ P.E. (pwrdr fr/unit)			NO PE.			w/ P.E. (pwrdr fr/unit)										
					MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE			
208/230-3-60	STD	NONE	-	-	56/56	70/60	59/58	311	60/59	70/70	63/62	315	61/60	70/70	64/63	316	65/64	80/80	69/68	320	80/80	69/68	320	80/80	69/68	320	80/80	69/68	320		
		291A	12.4/16.5	34.4/39.7	56/60	311/311	59/58	63/62	315/315	60/65	70/70	63/62	315/315	61/66	70/70	64/63	316/316	65/64	80/80	69/68	320/320	80/80	69/68	320/320	80/80	69/68	320/320	80/80	69/68	320/320	
		288A+291A	19.9/26.5	55.3/63.8	80/90	311/311	59/58	63/62	315/315	60/65	70/70	63/62	315/315	61/66	70/70	64/63	316/316	65/64	100/110	83/92	320/320	100/110	83/92	320/320	100/110	83/92	320/320	100/110	83/92	320/320	
		294A	25.2/33.5	69.9/80.6	99/111	311/311	73/82	78/87	315/315	85/95	90/100	78/87	315/315	86/96	90/100	79/88	316/316	91/101	110/125	100/112	320/320	110/125	100/112	320/320	110/125	100/112	320/320	110/125	100/112	320/320	
		288A+294A	32.7/43.5	90.7/104.7	125/141	311/311	90/102	95/106	315/315	103/116	110/125	95/106	315/315	105/117	110/125	96/107	316/316	109/122	150/150	124/139	320/320	150/150	124/139	320/320	150/150	124/139	320/320	150/150	124/139	320/320	
		291A+294A	37.9/50.0	104.3/120.3	142/131	311/311	114/129	119/134	315/315	129/146	150/150	119/134	315/315	131/147	150/150	120/135	316/316	135/152	175/175	140/157	320/320	175/175	140/157	320/320	175/175	140/157	320/320	175/175	140/157	320/320	
	MED	NONE	-	-	59/58	61/60	335	66/65	62/61	80/70	66/65	339	63/62	80/80	67/66	340	67/66	80/80	67/66	344	80/80	67/66	344	80/80	67/66	344	80/80	67/66	344		
		291A	12.4/16.5	34.4/39.7	59/62	61/60	335/335	66/65	62/67	80/70	66/65	339/339	63/62	80/80	67/66	340/340	68/73	80/80	67/66	344/344	80/80	67/66	344/344	80/80	67/66	344/344	80/80	67/66	344/344		
		288A+291A	19.9/26.5	55.3/63.8	83/92	61/60	335/335	66/65	62/67	80/70	66/65	339/339	63/62	80/80	67/66	340/340	68/73	80/80	67/66	344/344	80/80	67/66	344/344	80/80	67/66	344/344	80/80	67/66	344/344		
		294A	25.2/33.5	69.9/80.6	101/113	61/60	335/335	66/65	62/67	80/70	66/65	339/339	63/62	80/80	67/66	340/340	68/73	80/80	67/66	344/344	80/80	67/66	344/344	80/80	67/66	344/344	80/80	67/66	344/344		
		288A+294A	32.7/43.5	90.7/104.7	127/144	61/60	335/335	66/65	62/67	80/70	66/65	339/339	63/62	80/80	67/66	340/340	68/73	80/80	67/66	344/344	80/80	67/66	344/344	80/80	67/66	344/344	80/80	67/66	344/344		
		291A+294A	37.9/50.0	104.3/120.3	144/133	61/60	335/335	66/65	62/67	80/70	66/65	339/339	63/62	80/80	67/66	340/340	68/73	80/80	67/66	344/344	80/80	67/66	344/344	80/80	67/66	344/344	80/80	67/66	344/344		
460-3-60	STD	NONE	-	-	28	35	29	157	30	35	32	159	31	35	32	159	32	35	34	40	35	32	159	32	35	34	40	35	32	159	
		292A	16.5	19.9	30	35	29	157	30	35	32	159	31	35	32	159	32	35	34	40	35	32	159	32	35	34	40	35	32	159	
		288A+292A	26.5	31.9	45	35	41	41	157	47	50	43	159	48	50	44	159	44	50	46	50	45	159	44	50	46	50	45	159		
		295A	33.5	40.3	56	45	51	51	157	58	60	53	159	58	60	53	159	53	60	55	60	53	159	53	60	55	60	53	159		
		288A+295A	43.5	52.3	71	45	65	65	157	73	80	67	159	73	80	67	159	73	80	69	80	67	159	73	80	69	80	67	159		
		292A+295A	50.0	60.2	65	45	74	74	157	68	80	76	159	68	80	76	159	70	80	78	80	76	159	70	80	78	80	76	159		
	MED	NONE	-	-	30	35	31	169	31	35	33	171	32	35	33	171	34	40	35	34	40	33	171	34	40	35	34	40	35	33	171
		292A	16.5	19.9	31	35	31	169	31	35	33	171	32	35	33	171	34	40	35	34	40	33	171	34	40	35	34	40	35	33	171
		288A+292A	26.5	31.9	46	35	42	169	31	35	33	171	32	35	33	171	34	40	35	34	40	33	171	34	40	35	34	40	35	33	171
		295A	33.5	40.3	57	45	52	169	31	35	33	171	32	35	33	171	34	40	35	34	40	33	171	34	40	35	34	40	35	33	171
		288A+295A	43.5	52.3	72	45	66	169	31	35	33	171	32	35	33	171	34	40	35	34	40	33	171	34	40	35	34	40	35	33	171
		292A+295A	50.0	60.2	67	45	75	169	31	35	33	171	32	35	33	171	34	40	35	34	40	33	171	34	40	35	34	40	35	33	171
HIGH	NONE	-	-	35	40	37	176	37	45	39	178	37	45	39	178	37	45	39	41	45	39	178	37	45	39	41	45	39	178		
	292A	16.5	19.9	38	40	37	176	37	45	39	178	37	45	39	178	37	45	39	41	45	39	178	37	45	39	41	45	39	178		
	288A+292A	26.5	31.9	53	40	48	176	37	45	39	178	37	45	39	178	37	45	39	41	45	39	178	37	45	39	41	45	39	178		
	295A	33.5	40.3	64	40	58	176	37	45	39	178	37	45	39	178	37	45	39	41	45	39	178	37	45	39	41	45	39	178		
	288A+295A	43.5	52.3	79	40	72	176	37	45	39	178	37	45	39	178	37	45	39	41	45	39	178	37	45	39	41	45	39	178		
	292A+295A	50.0	60.2	73	40	81	176	37	45	39	178	37	45	39	178	37	45	39	41	45	39	178	37	45	39	41	45	39	178		

See: "Legend and Notes for Tables 1 - 4" on page 41.

Table 3 - Unit Wire Sizing Data with Factory Installed 2 Speed Indoor Fan Option (cont)

UNIT	NO M, V-PH-HZ	IFM TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.						w/ PWRD C.O.										
			CRHEATER**A00	Nom (kW)	FLA	NO PE.			w/ PE. (pwrd fr/unit)			NO PE.			w/ PE. (pwrd fr/unit)						
						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	FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA						
50HC*D14	575-3-60	STD	NONE	-	-	24	30	25	128	28	30	29	132	25	30	27	130	29	35	31	134
			293A	16.5	15.9	26	30	25	128	31	35	29	132	28	30	27	130	33	35	31	134
			290A+293A	26.5	25.5	38	40	35	128	43	45	39	132	40	40	36	130	45	45	41	134
			296A	33.5	32.2	46	50	42	128	51	60	47	132	48	50	44	130	53	60	49	134
			290A+296A	43.5	41.8	58	60	53	128	63	70	58	132	60	60	55	130	65	70	60	134
50HC*D14	575-3-60	MED	293A+296A	50.0	48.1	54	60	60	128	59	60	65	132	56	60	62	130	61	70	67	134
			NONE	-	-	24	30	25	128	28	30	29	132	25	30	27	130	29	35	31	134
			293A	16.5	15.9	26	30	25	128	31	35	29	132	28	30	27	130	33	35	31	134
			290A+293A	26.5	25.5	38	40	35	128	43	45	39	132	40	40	36	130	45	45	41	134
			296A	33.5	32.2	46	50	42	128	51	60	47	132	48	50	44	130	53	60	49	134
50HC*D14	575-3-60	HIGH	290A+296A	43.5	41.8	64	70	58	140	69	70	63	144	66	70	60	142	71	80	65	146
			293A+296A	50.0	48.1	60	70	66	140	65	70	70	144	62	70	68	142	67	70	72	146
			NONE	-	-	29	35	30	140	32	40	34	144	30	35	32	142	34	40	36	146
			293A	16.5	15.9	32	35	30	140	36	40	34	144	34	35	32	142	38	40	36	146
			290A+293A	26.5	25.5	44	45	40	140	48	50	44	144	46	50	42	142	50	60	46	146

See: "Legend and Notes for Tables 1 - 4" on page 41.

**Table 4 – Unit Wire Sizing Data with Factory Installed HACR Breaker and 2 Speed Indoor Fan Option**

UNIT	NO M. V-Ph-HZ	IFM TYPE	ELEC. HTR				NO C.O. or UNPWR C.O.						w/ PWRD C.O.							
			CRHEATER**A00	Nom (kW)	FLA	NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd 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			
50HC*D08	208/230-3-60	STD	NONE	-	-	40/40	50/50	46/46	199	44/44	50/50	45/45	50/50	47/47	200	48/48	60/60	51/51	204	
			117A	7.8/10.4	21.7/25.0	40/40	50/50	41/41	195/195	44/44	50/50	46/46	199/199	45/45	50/50	200/200	49/49	60/60	51/51	204/204
			110A	12.0/16.0	33.4/38.5	56/56	60/60	45/51	195/195	60/60	60/60	49/55	199/199	62/62	70/70	200/200	66/66	70/70	55/61	204/204
			111A	18.6/24.8	51.7/59.7	82/82	90/90	66/75	195/195	87/87	90/90	70/79	199/199	88/88	90/90	200/200	93/93	100/100	76/85	204/204
			112A	24.0/32.0	66.7/77.0	104/104	110/110	83/95	195/195	108/108	110/110	88/99	199/199	110/110	110/110	200/200	114/114	125/125	93/105	204/204
			112A+117A	31.8/42.4	88.4/102.0	135/135	150/150	108/124	195/195	140/140	150/150	113/128	199/199	141/141	150/150	200/200	146/146	150/150	118/134	204/204
	460-3-60	MED	NONE	-	-	45/45	50/50	47/46	249	49/49	60/60	45/45	50/50	46/46	203	50/50	60/60	53/52	258	
			117A	7.8/10.4	21.7/25.0	45/45	50/50	47/46	249/249	49/49	60/60	47/46	199/199	46/46	203/203	51/51	60/60	53/52	258	
			110A	12.0/16.0	33.4/38.5	61/61	70/70	51/56	249/249	66/66	70/70	55/60	253/253	67/67	70/70	254/254	72/72	80/80	61/65	258/258
			111A	18.6/24.8	51.7/59.7	87/87	90/90	72/80	249/249	92/92	100/100	76/84	253/253	93/93	100/100	254/254	98/98	100/100	82/90	258/258
			112A	24.0/32.0	66.7/77.0	109/109	110/110	89/100	249/249	114/114	125/125	93/104	253/253	115/115	125/125	254/254	120/120	125/125	99/110	258/258
			112A+117A	31.8/42.4	88.4/102.0	140/140	150/150	114/129	249/249	145/145	150/150	118/133	253/253	146/146	150/150	200/200	151/151	175/175	124/138	258/258
575-3-60	460-3-60	STD	NONE	-	-	19	20	19	97	20	25	21	25	99	99	21	25	24	101	
			116A	13.9	16.7	25	25	23	97	27	30	25	28	30	102	102	26	30	27	101
			113A	16.5	19.8	29	30	26	97	31	35	28	32	35	102	102	29	35	31	101
			114A	27.8	33.4	46	50	42	97	48	50	44	49	51	102	102	44	50	46	101
			115A	33.0	39.7	54	60	49	97	56	60	51	59	60	102	102	52	60	54	101
			114A+116A	41.7	50.2	67	70	61	97	69	70	63	70	71	80	102	73	80	66	101
	575-3-60	MED	NONE	-	-	20	25	20	100	21	25	22	25	102	102	22	25	25	104	
			116A	13.9	16.7	26	30	24	100	28	30	26	29	30	102	102	26	30	28	104
			113A	16.5	19.8	30	30	27	100	32	35	29	32	35	102	102	30	35	32	104
			114A	27.8	33.4	47	50	43	100	49	50	45	50	50	102	102	45	50	47	104
			115A	33.0	39.7	55	60	50	100	57	60	52	58	60	102	102	53	60	55	104
			114A+116A	41.7	50.2	68	70	62	100	70	70	64	70	71	80	102	73	80	67	104
575-3-60	HIGH	NONE	-	-	21	25	24	125	22	25	24	25	127	127	23	25	26	129		
		116A	13.9	16.7	27	30	25	125	30	30	27	30	30	127	127	27	30	29	129	
		113A	16.5	19.8	31	35	28	125	34	35	30	32	35	127	127	31	35	33	129	
		114A	27.8	33.4	48	50	44	125	51	60	46	51	60	127	127	47	53	49	129	
		115A	33.0	39.7	56	60	51	125	58	60	53	59	60	127	127	54	61	56	129	
		114A+116A	41.7	50.2	69	70	63	125	72	70	65	66	72	80	127	74	80	68	129	
575-3-60	STD	NONE	-	-	14	15	14	79	18	20	19	20	83	83	16	20	19	85		
		118A	17.0	20.4	29	34	27	79	34	35	31	35	35	83	83	29	35	33	85	
		119A	34.0	40.9	55	60	50	79	60	60	55	55	57	83	83	52	70	57	85	
		NONE	-	-	15	20	15	83	18	20	19	20	17	85	85	20	25	21	89	
		118A	17.0	20.4	30	30	27	83	35	35	32	35	35	87	87	29	40	34	89	
		119A	34.0	40.9	56	60	51	83	61	70	55	60	58	87	87	53	70	57	89	
575-3-60	HIGH	NONE	-	-	16	20	16	92	19	25	21	25	96	96	17	20	18	98		
		118A	17.0	20.4	32	35	29	92	36	40	33	35	34	96	96	31	40	35	98	
		119A	34.0	40.9	57	60	52	92	62	70	57	60	59	96	96	54	70	59	98	

See: "Legend and Notes for Tables 1 - 4" on page 41.

Table 4 - Unit Wire Sizing Data with Factory Installed HACR Breaker and 2 Speed Indoor Fan Option (cont)

UNIT	ELEC. HTR			NO C.O. or UNPWR C.O.										NO PWR C.O.										
	IFM TYPE	CRHEATER**A00	Nom (kW)	FLA	NO RE.					w/ P.E. (pwrd fr/unit)					NO P.E.					w/ PWR C.O.				
					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	LRA			FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
NO M. V-PH-HZ																								
50HC-D09	STD	NONE	-	-	40/40	50/50	42/41	195	44/44	50/50	46/46	199	45/45	50/50	47/47	200	49/49	60/60	52/51	204/204	52/51	204/204	204	
		117A	7.8/10.4	21.7/25.0	40/40	50/50	42/41	195/195	44/44	50/50	46/46	199/199	45/45	50/50	47/47	200/200	49/49	60/60	52/51	204/204	52/51	204/204	204	
		110A	12.0/16.0	33.4/38.5	56/56	60/60	45/51	195/195	60/60	60/60	49/55	199/199	62/62	70/70	51/56	200/200	66/66	70/70	55/61	204/204	55/61	204/204	204	
		111A	18.6/24.8	51.7/59.7	82/82	90/90	66/75	195/195	87/87	90/90	70/79	199/199	88/88	90/90	72/81	200/200	93/93	100/100	76/85	204/204	76/85	204/204	204	
	MED	112A	24.0/32.0	66.7/77.0	104/104	110/110	83/95	195/195	108/108	110/110	88/99	199/199	110/110	110/110	89/101	200/200	114/114	125/125	93/105	204/204	93/105	204/204	204	
		112A+117A	31.8/42.4	88.4/102.0	135/135	150/150	108/124	195/195	140/141	150/150	113/128	199/199	141/141	150/150	114/129	200/200	146/146	150/150	118/134	204/204	118/134	204/204	208	
		NONE	-	-	41/41	50/50	43/43	199	45/45	50/50	47/47	203	46/46	50/50	49/48	204	50/50	60/60	53/53	208/208	53/53	208/208	208	
		117A	7.8/10.4	21.7/25.0	41/41	50/50	43/43	199/199	45/45	50/50	47/47	203/203	46/46	50/50	49/48	204/204	51/51	60/60	53/53	208/208	53/53	208/208	208	
	HIGH	110A	12.0/16.0	33.4/38.5	57/57	60/60	47/52	199/199	62/62	70/70	51/56	203/203	63/63	70/70	52/58	204/204	68/68	70/70	56/62	208/208	56/62	208/208	208	
		111A	18.6/24.8	51.7/59.7	84/84	90/90	68/76	199/199	88/88	90/90	72/81	203/203	90/90	90/90	73/82	204/204	94/94	100/100	78/86	208/208	78/86	208/208	208	
		112A	24.0/32.0	66.7/77.0	105/105	110/110	85/96	199/199	110/110	110/110	89/101	203/203	111/111	125/125	90/102	204/204	116/116	125/125	95/106	208/208	95/106	208/208	208	
		112A+117A	31.8/42.4	88.4/102.0	136/136	150/150	110/125	199/199	141/141	150/150	114/129	203/203	142/142	150/150	115/131	204/204	147/147	150/150	120/135	208/208	120/135	208/208	208	
460-3-60	STD	NONE	-	-	19	25	19	97	21	25	22	99	21	25	22	99	23	25	24	101	24	101	101	
		116A	13.9	16.7	25	30	23	97	27	30	25	99	28	30	25	99	30	30	27	101	27	101	101	
		113A	16.5	19.8	29	35	26	97	31	35	28	99	32	35	29	99	34	35	31	101	31	101	101	
		114A	27.8	33.4	46	50	42	97	44	49	44	99	49	50	44	99	51	60	46	101	46	101	101	
	MED	115A	33.0	39.7	54	60	49	97	56	60	51	99	56	60	52	99	59	60	54	101	54	101	101	
		114A+116A	41.7	50.2	67	70	61	97	69	70	63	99	70	70	64	99	72	80	66	101	66	101	101	
		NONE	-	-	20	25	20	100	22	25	23	102	22	25	23	102	24	25	25	104	25	104	104	
		116A	13.9	16.7	26	30	24	100	28	30	26	102	29	30	26	102	31	35	28	104	28	104	104	
	HIGH	113A	16.5	19.8	30	30	27	100	32	35	29	102	33	35	30	102	35	35	32	104	32	104	104	
		114A	27.8	33.4	47	50	43	100	45	50	45	102	50	50	45	102	52	60	47	104	47	104	104	
		115A	33.0	39.7	55	60	50	100	57	60	52	102	58	60	53	102	60	60	55	104	55	104	104	
		114A+116A	41.7	50.2	68	70	62	100	70	70	64	102	71	80	65	102	73	80	67	104	67	104	104	
575-3-60	STD	NONE	-	-	21	25	22	125	23	25	24	127	23	25	24	127	25	30	26	129	26	129	85	
		116A	13.9	16.7	27	30	25	125	30	30	27	127	30	30	27	127	32	35	29	129	29	129	85	
		113A	16.5	19.8	31	35	28	125	34	35	30	127	34	35	31	127	36	40	33	129	33	129	85	
		114A	27.8	33.4	48	50	44	125	51	60	46	127	51	60	47	127	53	60	49	129	49	129	85	
	MED	115A	33.0	39.7	56	60	51	125	58	60	53	127	59	60	54	127	61	70	56	129	56	129	85	
		114A+116A	41.7	50.2	69	70	63	125	72	70	65	127	72	80	66	127	74	80	68	129	68	129	85	
		NONE	-	-	15	20	16	79	19	20	20	83	17	20	18	81	21	25	22	85	22	85	85	
		118A	17.0	20.4	29	30	27	79	34	35	31	83	32	35	29	81	36	40	33	85	33	85	85	
	HIGH	119A	34.0	40.9	55	60	50	79	60	60	55	83	57	60	52	81	62	70	57	85	57	85	85	
		NONE	-	-	16	20	16	83	20	25	21	87	18	20	18	85	21	25	23	89	23	89	89	
		118A	17.0	20.4	30	30	27	83	35	35	32	87	32	35	29	85	37	40	34	89	34	89	89	
		119A	34.0	40.9	56	60	51	83	61	70	55	87	58	60	53	85	63	70	57	89	57	89	89	

See: "Legend and Notes for Tables 1 - 4" on page 41.

Table 4 - Unit Wire Sizing Data with Factory Installed HACR Breaker and 2 Speed Indoor Fan Option (cont)

UNIT	IFM TYPE	ELEC. HTR				NO C.O. or UNPWR C.O.												w/ PWRD C.O.						
		CRHEATER***A00	Nom (kW)	FLA	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
208/230-3-60	STD	NONE	-	-	53/53	254	55/55	60/60	58/57	258	56/56	60/60	59/58	259	59/59	70/70	63/63	263	263/263	70/70	63/63	263	263/263	
		117A	7.8/10.4	21.7/25.0	53/53	254/254	55/55	60/60	58/57	258/258	56/56	60/60	59/58	259/259	59/59	70/70	63/63	263	263/263	70/70	63/63	263	263/263	
		110A	12.0/16.0	33.4/38.5	53/53	254/254	62/62	70/70	58/57	258/258	63/63	70/70	59/58	259/259	68/68	70/70	63/63	263	263/263	70/70	63/63	263	263/263	
		112A	24.0/32.0	66.7/77.0	85/96	254/254	110/110	110/110	89/101	258/258	111/111	125/125	125/125	90/102	259/259	116/116	125/125	95/106	263/263	150/150	120/135	120/135	263/263	
		112A+117A	31.8/42.4	88.4/102.0	136/136	254/254	141/141	150/150	114/129	258/258	142/142	142/142	150/150	115/131	259/259	147/147	150/150	120/135	263/263	150/150	120/135	120/135	263/263	
		112A+110A	37.6/50.0	104.2/120.3	140/140	254/254	144/144	150/150	132/151	258/258	146/146	146/146	150/150	134/152	259/259	150/150	120/135	263/263	150/150	120/135	120/135	263/263		
		NONE	-	-	58/56	304	58/58	70/70	62/61	308	59/59	70/70	63/62	309	63/63	80/80	67/66	313	313	70/70	67/66	313	313/313	
		117A	7.8/10.4	21.7/25.0	58/56	304/304	58/58	70/70	62/61	308/308	59/59	70/70	63/62	309/309	63/63	80/80	67/66	313	313	70/70	67/66	313	313/313	
		110A	12.0/16.0	33.4/38.5	58/56	304/304	66/66	70/70	62/61	308/308	67/67	70/70	63/62	309/309	72/72	80/80	67/66	313	313	70/70	67/66	313	313/313	
		112A	24.0/32.0	66.7/77.0	89/100	304/304	114/114	125/125	93/104	308/308	115/115	125/125	125/125	95/105	309/309	120/120	125/125	99/110	313/313	150/150	124/138	124/138	313/313	
112A+117A	31.8/42.4	88.4/102.0	140/140	304/304	145/145	150/150	118/133	308/308	146/146	146/146	150/150	120/134	309/309	151/151	175/175	124/138	313/313	150/150	124/138	124/138	313/313			
112A+110A	37.6/50.0	104.2/120.3	144/144	304/304	149/149	150/150	137/154	308/308	150/150	150/150	150/150	138/155	309/309	155/155	175/175	124/138	313/313	150/150	124/138	124/138	313/313			
460-3-60	STD	NONE	-	-	24	25	122	27	124	26	26	27	124	26	26	28	28	126	126	30	29	29	126	
		116A	13.9	16.7	25	122	28	27	124	27	124	29	27	124	31	35	29	126	126	30	29	29	126	
		113A	16.5	19.8	27	122	32	29	124	27	124	33	29	124	35	35	32	126	126	30	29	29	126	
		115A	33.0	39.7	50	122	57	60	52	124	58	60	53	124	60	60	55	126	126	60	60	55	126	
		114A+116A	41.7	50.2	68	122	70	70	64	124	71	72	65	124	73	80	67	126	126	80	80	67	126	
		115A+113A	50.0	60.1	70	122	68	70	72	124	68	68	76	124	74	80	78	126	126	80	80	78	126	
		NONE	-	-	24	122	25	122	27	124	26	26	27	124	26	26	28	28	126	126	30	29	29	126
		116A	13.9	16.7	25	122	28	27	124	27	124	29	27	124	31	35	29	126	126	30	29	29	126	
		113A	16.5	19.8	27	122	32	29	124	27	124	33	29	124	35	35	32	126	126	30	29	29	126	
		115A	33.0	39.7	50	122	57	60	52	124	58	60	53	124	60	60	55	126	126	60	60	55	126	
114A+116A	41.7	50.2	68	122	70	70	64	124	71	72	65	124	73	80	67	126	126	80	80	67	126			
115A+113A	50.0	60.1	70	122	68	70	72	124	68	68	76	124	74	80	78	126	126	80	80	78	126			
575-3-60	STD	NONE	-	-	19	20	97	24	101	23	23	99	101	23	23	25	25	103	103	30	26	26	103	
		118A	17.0	20.4	20	97	23	27	101	24	101	23	27	101	25	29	25	103	103	30	26	26	103	
		119A	34.0	40.9	56	97	61	60	55	101	58	58	60	53	99	63	57	103	103	30	26	26	103	
		118A+119A	51.0	61.3	66	97	71	70	79	101	68	68	80	76	99	73	80	81	103	103	30	26	26	103
		NONE	-	-	20	106	24	25	110	22	110	22	23	108	26	26	27	112	112	30	27	27	112	
		118A	17.0	20.4	32	106	36	35	110	33	110	34	35	108	38	40	35	112	112	30	27	27	112	
		119A	34.0	40.9	57	106	62	60	57	101	59	59	60	54	108	64	59	112	112	30	27	27	112	
		118A+119A	51.0	61.3	67	106	72	70	80	80	70	70	80	78	108	74	80	82	112	112	30	27	27	112
		NONE	-	-	22	120	26	25	124	24	124	24	24	122	28	28	29	126	126	30	27	27	126	
		118A	17.0	20.4	34	120	38	35	124	35	124	36	36	122	41	41	37	126	126	30	27	27	126	
119A	34.0	40.9	59	120	64	60	59	124	61	61	70	56	122	66	70	60	126	126	30	27	27	126		
118A+119A	51.0	61.3	70	120	74	70	82	124	72	74	80	80	122	76	80	84	126	126	30	27	27	126		

See: "Legend and Notes for Tables 1 - 4" on page 41.



Table 4 - Unit Wire Sizing Data with Factory Installed HACR Breaker and 2 Speed Indoor Fan Option (cont)

UNIT	NO M, V-PH-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.																			
		IFM TYPE	CRHEATER**A00	Nom (kW)	FLA	NO NO.E.						NO NO.PE.													
						MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA					
50HC*D12	208/230-3-60	STD	NONE	-	-	50/50	60/60	52/52	279/279	279	283	56/56	60/60	60/60	57/57	284	58/58	70/70	62/61	288	62/61	70/70	62/61	288/288	
			117A	7.8/10.4	21.7/25.0	50/50	60/60	52/52	279/279	279	283/283	56/56	60/60	60/60	57/57	284/284	58/58	70/70	62/61	288/288	62/61	70/70	62/61	288/288	
			110A	12.0/16.0	33.4/38.5	57/57	60/60	52/52	279/279	279	283/283	56/56	60/60	60/60	57/57	284/284	58/58	70/70	62/61	288/288	62/61	70/70	62/61	288/288	
			112A	24.0/32.0	66.7/77.0	105/105	110/110	85/96	279/279	279	283/283	89/101	110/110	125/125	125/125	125/125	116/116	69/68	80/80	125/125	288/288	95/106	125/125	95/106	288/288
		MED	112A+117A	31.8/42.4	88.4/102.0	136/136	150/150	110/125	279/279	279	283/283	114/129	150/150	150/150	150/150	147/147	69/68	80/80	150/150	120/135	288/288	120/135	150/150	120/135	288/288
			112A+110A	37.6/50.0	104.2/120.3	140/140	150/150	128/146	279/279	279	283/283	132/151	150/150	150/150	150/150	138/138	69/68	80/80	150/150	138/156	288/288	138/156	150/150	138/156	288/288
			NONE	-	-	53/53	60/60	56/55	329	329	333	60/59	70/70	70/70	62/62	334	62/62	70/70	66/65	338	66/65	70/70	66/65	338	
			117A	7.8/10.4	21.7/25.0	53/53	60/60	56/55	329/329	329	333/333	60/59	70/70	70/70	62/62	334/334	62/62	70/70	66/65	338/338	66/65	70/70	66/65	338/338	
		HIGH	110A	12.0/16.0	33.4/38.5	61/61	70/70	56/56	329/329	329	333/333	60/60	70/70	70/70	62/62	334/334	62/62	70/70	66/65	338/338	66/65	70/70	66/65	338/338	
			112A	24.0/32.0	66.7/77.0	109/109	110/110	89/100	329/329	329	333/333	114/114	125/125	125/125	125/125	111/111	69/68	80/80	125/125	338/338	99/110	125/125	99/110	338/338	
			112A+117A	31.8/42.4	88.4/102.0	140/140	150/150	114/129	329/329	329	333/333	145/145	150/150	150/150	150/150	120/134	69/68	80/80	150/150	124/138	338/338	124/138	150/150	124/138	338/338
			112A+110A	37.6/50.0	104.2/120.3	144/144	150/150	132/150	329/329	329	333/333	149/149	150/150	150/150	150/150	138/138	69/68	80/80	150/150	142/160	338/338	142/160	150/150	142/160	338/338
460-3-60	50HC*D12	STD	NONE	-	-	25	30	26	134	134	136	28	30	28	136	29	30	30	138	30	35	30	30	138	
			116A	13.9	16.7	26	30	26	134	134	136	28	30	28	136	29	30	30	138	30	35	30	30	138	
			113A	16.5	19.8	30	30	27	134	134	136	29	30	29	136	30	30	30	138	30	35	30	30	138	
			115A	33.0	39.7	55	60	50	134	134	136	52	60	60	58	136	58	60	60	138	55	60	60	138	
		MED	114A+116A	41.7	50.2	68	70	62	134	134	136	64	70	70	68	136	71	80	80	138	67	80	80	138	
			115A+113A	50.0	60.1	85	70	73	134	134	136	76	80	80	78	136	88	80	80	138	78	80	80	138	
			NONE	-	-	26	30	27	159	159	161	29	30	29	161	28	29	30	30	163	32	35	30	30	163
			116A	13.9	16.7	27	30	27	159	159	161	29	30	29	161	28	29	30	30	163	32	35	30	30	163
		HIGH	113A	16.5	19.8	31	35	28	159	159	161	30	30	30	30	161	31	40	40	163	33	40	40	163	
			115A	33.0	39.7	56	60	51	159	159	161	53	60	60	59	161	61	70	70	163	56	70	70	163	
			114A+116A	41.7	50.2	69	70	63	159	159	161	65	70	70	68	161	74	80	80	163	68	80	80	163	
			115A+113A	50.0	60.1	87	80	75	159	159	161	77	80	80	79	161	81	90	90	163	79	90	90	163	
575-3-60	575-3-60	STD	NONE	-	-	27	30	29	164	164	166	31	35	31	166	31	35	30	168	33	35	30	30	168	
			116A	13.9	16.7	29	30	29	164	164	166	31	35	31	166	31	35	30	168	33	35	30	30	168	
			113A	16.5	19.8	33	35	30	164	164	166	32	35	35	34	166	38	40	40	168	35	40	40	168	
			115A	33.0	39.7	58	60	53	164	164	166	55	60	60	59	166	63	70	70	168	58	70	70	168	
		MED	114A+116A	41.7	50.2	71	80	65	164	164	166	67	80	80	74	166	76	80	80	168	70	80	80	168	
			115A+113A	50.0	60.1	89	80	76	164	164	166	71	80	80	79	166	74	80	80	168	81	90	90	168	
			NONE	-	-	19	25	20	107	107	111	24	25	25	24	109	25	30	30	113	26	30	30	113	
			118A	17.0	20.4	32	35	27	107	107	111	32	35	35	32	109	37	40	40	113	34	40	40	113	
		HIGH	119A	34.0	40.9	56	60	51	107	107	111	55	60	60	58	109	63	70	70	113	57	70	70	113	
			118A+119A	51.0	61.3	66	70	75	107	107	111	79	80	80	76	109	73	80	80	113	81	90	90	113	
			NONE	-	-	20	25	21	116	116	120	26	25	25	24	118	26	30	30	122	27	30	30	122	
			118A	17.0	20.4	32	35	29	116	116	120	33	35	35	32	118	38	40	40	122	35	40	40	122	
HIGH	119A	34.0	40.9	57	60	52	116	116	120	57	60	60	59	118	64	70	70	122	59	70	70	122			
	118A+119A	51.0	61.3	67	80	76	116	116	120	72	80	80	70	118	74	80	80	122	82	90	90	122			
	NONE	-	-	22	25	23	130	130	134	27	25	25	24	132	28	30	30	136	29	30	30	136			
	118A	17.0	20.4	34	35	31	130	130	134	35	35	35	33	132	41	45	45	136	37	45	45	136			

See: Legend and Notes for Tables 1 - 4 \* on page 41.

**Table 4 - Unit Wire Sizing Data with Factory Installed HACR Breaker 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.									
		IFM TYPE		CRHEATER***A00		Nom (kW)	FLA	NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)								
		MCA	HACR BRKR	FLA	DISC. SIZE			MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE				
50HC*D14		STD	NONE				59/56	70/70	59/58	311	60/60	70/70	63/62	315	61/61	70/70	64/63	316	65/65	80/80	69/68	320	80/80	80/80	69/68	320					
			291A	12.4/16.5	34.4/39.7	60/60	60/60	70/70	59/58	311/311	65/65	70/70	63/62	315/315	66/66	80/80	70/70	64/63	316/316	71/71	80/80	80/80	69/68	80/80	80/80	69/68	320/320				
			288A+291A	19.9/26.5	55.3/63.8	90/90	90/90	90/90	73/82	311/311	95/95	100/100	100/100	78/87	315/315	96/96	100/100	79/88	316/316	101/101	110/110	110/110	83/82	110/110	110/110	83/82	320/320				
			294A	25.2/33.5	69.9/80.6	111/111	111/111	125/125	90/102	311/311	116/116	125/125	125/125	95/106	315/315	117/117	125/125	125/125	96/107	316/316	122/122	125/125	125/125	100/112	125/125	125/125	100/112	320/320			
			288A+294A	32.7/43.5	90.7/104.7	141/141	141/141	150/150	114/129	311/311	146/146	150/150	150/150	119/134	315/315	147/147	150/150	150/150	120/135	316/316	152/152	175/175	124/139	175/175	175/175	124/139	320/320				
			291A+294A	37.6/50.0	104.3/120.3	142/142	142/142	150/150	130/147	311/311	146/146	150/150	150/150	134/152	315/315	148/148	150/150	150/150	135/153	316/316	152/152	175/175	140/157	175/175	175/175	140/157	320/320				
			NONE			59/59	70/70	61/60	335	62/62	80/80	66/65	339	63/63	80/80	67/66	340	67/66	340	67/67	80/80	67/67	80/80	71/70	80/80	80/80	71/70	344			
			291A	12.4/16.5	34.4/39.7	62/62	62/62	70/70	61/60	335/335	67/67	80/80	66/65	339/339	68/68	340/340	73/73	80/80	67/66	340/340	73/73	80/80	71/70	80/80	80/80	71/70	344/344				
			288A+291A	19.9/26.5	55.3/63.8	92/92	92/92	100/100	76/85	335/335	97/97	100/100	100/100	80/89	339/339	98/98	100/100	82/90	340/340	103/103	110/110	110/110	86/95	110/110	110/110	86/95	344/344				
			294A	25.2/33.5	69.9/80.6	113/113	113/113	125/125	93/104	335/335	118/118	125/125	125/125	97/108	339/339	119/119	125/125	98/109	340/340	124/124	130/130	130/130	103/114	103/114	103/114	103/114	344/344				
288A+294A	32.7/43.5	90.7/104.7	144/144	144/144	150/150	117/132	335/335	148/148	148/148	150/150	121/136	339/339	150/150	150/150	122/137	340/340	154/154	154/154	154/154	127/142	127/142	127/142	127/142	344/344							
291A+294A	37.6/50.0	104.3/120.3	144/144	144/144	150/150	132/150	335/335	149/149	150/150	150/150	137/154	339/339	150/150	150/150	138/155	340/340	155/155	155/155	155/155	142/160	142/160	142/160	142/160	344/344							
460-3-60		STD	NONE			68	80	72	350	72	80	77	354	73	80	80	78	355	77	90	82	359	90	90	82	359					
			291A	12.4/16.5	34.4/39.7	76/76	76/76	80/80	72/72	350/350	80/80	80/80	77/77	354/354	82/82	90/90	80/80	78/78	355/355	86/86	90/90	82/82	359/359	90/90	90/90	82/82	359/359				
			288A+291A	19.9/26.5	55.3/63.8	106/106	106/106	110/110	87/97	350/350	110/110	110/110	125/125	91/101	354/354	112/112	125/125	93/102	355/355	116/116	125/125	125/125	97/107	125/125	125/125	97/107	359/359				
			294A	25.2/33.5	69.9/80.6	127/127	127/127	150/150	104/116	350/350	131/131	150/150	108/121	354/354	133/133	150/150	109/122	355/355	137/137	355/355	137/137	150/150	114/126	150/150	150/150	114/126	359/359				
			288A+294A	32.7/43.5	90.7/104.7	157/157	157/157	175/175	128/144	350/350	162/162	175/175	132/148	354/354	163/163	175/175	133/149	355/355	168/168	355/355	168/168	175/175	138/154	175/175	175/175	138/154	359/359				
			291A+294A	37.6/50.0	104.3/120.3	159/156	159/156	175/175	143/162	350/350	161/161	175/175	148/166	354/354	162/162	175/175	149/167	355/355	167/167	355/355	167/167	175/175	153/172	175/175	175/175	153/172	359/359				
			NONE			28	35	29	157	32	32	35	35	32	159	31	35	35	32	159	32	40	34	40	34	40	34	161			
			292A	16.5	19.9	30	30	35	29	157	32	32	35	32	159	33	35	35	32	159	35	40	34	40	34	40	34	161			
			288A+292A	26.5	31.9	45	45	50	41	157	47	47	50	43	159	48	50	50	44	159	50	50	46	46	50	50	46	161			
			295A	33.5	40.3	56	56	60	51	157	58	58	60	53	159	58	60	60	55	159	61	70	55	55	70	70	55	161			
288A+295A	43.5	52.3	71	71	80	65	157	73	73	80	67	159	73	80	80	67	159	76	80	69	69	80	80	69	161						
292A+295A	50.0	60.2	65	65	70	74	157	68	68	70	76	159	68	70	80	76	159	70	80	78	78	80	80	78	161						
460-3-60		MED	NONE			30	35	31	169	31	40	33	171	32	40	40	33	171	34	40	35	40	35	40	35	173					
			292A	16.5	19.9	31	31	35	169	34	34	40	33	171	34	40	40	33	171	36	40	35	40	35	40	35	173				
			288A+292A	26.5	31.9	46	46	50	42	169	49	49	50	44	171	49	50	50	45	171	51	60	47	60	60	47	173				
			295A	33.5	40.3	57	57	60	52	169	59	59	60	54	171	60	60	60	55	171	62	70	57	70	70	57	173				
			288A+295A	43.5	52.3	72	72	80	66	169	74	74	80	68	171	75	80	80	68	171	77	80	70	70	80	70	173				
			292A+295A	50.0	60.2	67	67	80	75	169	69	69	80	77	171	70	80	80	77	171	72	80	79	79	80	79	173				
			NONE			35	40	37	176	37	37	45	45	39	178	37	45	45	39	178	39	45	41	45	45	41	180				
			292A	16.5	19.9	38	38	40	37	176	40	40	45	39	178	41	45	45	39	178	43	45	41	45	45	41	180				
			288A+292A	26.5	31.9	53	53	60	48	176	55	55	60	50	178	56	60	60	51	178	58	60	53	60	60	53	180				
			295A	33.5	40.3	64	64	70	58	176	66	66	70	60	178	66	70	70	61	178	69	70	63	70	70	63	180				
288A+295A	43.5	52.3	79	79	80	72	176	81	81	90	74	178	81	90	90	74	178	84	90	76	90	90	76	180							
292A+295A	50.0	60.2	73	73	80	81	176	76	76	80	83	178	76	80	80	83	178	78	80	86	86	80	86	180							

See: "Legend and Notes for Tables 1 - 4" on page 41.

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Table 4 - Unit Wire Sizing Data with Factory Installed HACR Breaker and 2 Speed Indoor Fan Option (cont)

UNIT	NO M, V-PH-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.															
		IFM TYPE	CRHEATER**A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrdr fr/unit)				NO P.E.				w/ P.E. (pwrdr 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				
50HC*D14	575-3-60	STD	NONE	-	-	24	30	25	128	28	30	29	132	25	30	27	130	29	35	31	134
			293A	16.5	15.9	26	30	25	128	31	35	29	132	28	30	27	130	33	35	31	134
			290A+293A	26.5	25.5	38	40	35	128	43	45	39	132	40	40	36	130	45	45	41	134
			296A	33.5	32.2	46	50	42	128	51	60	47	132	48	50	44	130	53	60	49	134
			290A+296A	43.5	41.8	58	60	53	128	63	70	58	132	60	60	55	130	65	70	60	134
			293A+296A	50.0	48.1	54	60	60	128	59	60	65	132	56	60	62	130	61	70	67	134
50HC*D14	575-3-60	MED	NONE	-	-	24	30	25	128	28	30	29	132	25	30	27	130	29	35	31	134
			293A	16.5	15.9	26	30	25	128	31	35	29	132	28	30	27	130	33	35	31	134
			290A+293A	26.5	25.5	38	40	35	128	43	45	39	132	40	40	36	130	45	45	41	134
			296A	33.5	32.2	46	50	42	128	51	60	47	132	48	50	44	130	53	60	49	134
			290A+296A	43.5	41.8	58	60	53	128	63	70	58	132	60	60	55	130	65	70	60	134
			293A+296A	50.0	48.1	54	60	60	128	59	60	65	132	56	60	62	130	61	70	67	134
50HC*D14	575-3-60	HIGH	NONE	-	-	29	35	30	140	32	40	34	144	30	35	32	142	34	40	36	146
			293A	16.5	15.9	32	35	30	140	36	40	34	144	34	35	32	142	38	40	36	146
			290A+293A	26.5	25.5	44	45	40	140	48	50	44	144	46	50	42	142	50	60	46	146
			296A	33.5	32.2	52	60	47	140	57	60	52	144	54	60	49	142	59	60	54	146
			290A+296A	43.5	41.8	64	70	58	140	69	70	63	144	66	70	60	142	71	80	65	146
			293A+296A	50.0	48.1	60	70	66	140	65	70	70	144	62	70	68	142	67	70	72	146

See: "Legend and Notes for Tables 1 - 4" on page 41.



## Legend and Notes for Tables 1 - 4

### 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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