

EnergyX[®] System
Factory Installed Energy Recovery
48/50HC WeatherMaster[®] Commercial Rooftop Units
15 to 25 Nominal Tons
with Puron[®] (R-410A) Refrigerant
and ComfortLINK Controls



Electrical Data Supplement

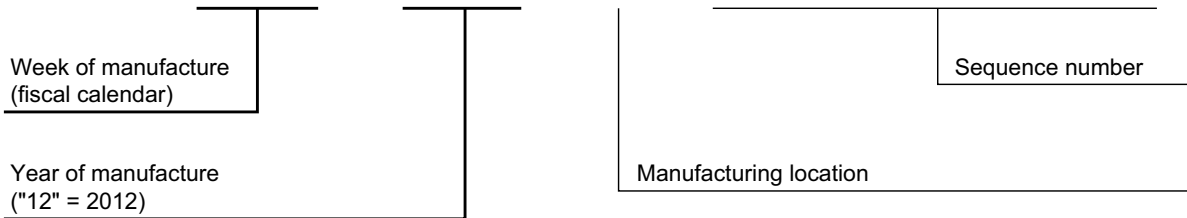
FOR MODELS PRODUCED ON OR AFTER JULY 30, 2012 ONLY!

NOTE: Read the entire instruction manual before starting the installation

This supplement only applies to 48/50HC size 17 to 28 units with the factory installed EnergyX system manufactured on or after July 30, 2012. To confirm the date of manufacture of a 4850HC EnergyX system, locate the unit nameplate and check the first four digits of the Serial Number. If the number listed in the first 4 digits of the Serial Number is 3112 or higher KEEP THIS DOCUMENT and use it along with the furnished Installation Instructions. See Fig. 1 for location of the nameplate; the Serial Number is located directly below the unit's Model Number.

SERIAL NUMBER NOMENCLATURE

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



C12562

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

MODEL NUMBER NOMENCLATURE

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




C12602

SAFETY CONSIDERATIONS

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

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

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

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

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

CAUTION

ELECTRICAL HAZARD

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

The electrical data contained in this document is only for use with 48HC size 17 to 28 units with the factory installed EnergyX system manufactured on or after July 30, 2012. Check the first 4 digits of the unit's Serial Number (located on the unit's nameplate) if the number listed is 3112 or higher keep this document.

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

WARNING

ELECTRICAL SHOCK HAZARD

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

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

ERV1 - 01SS

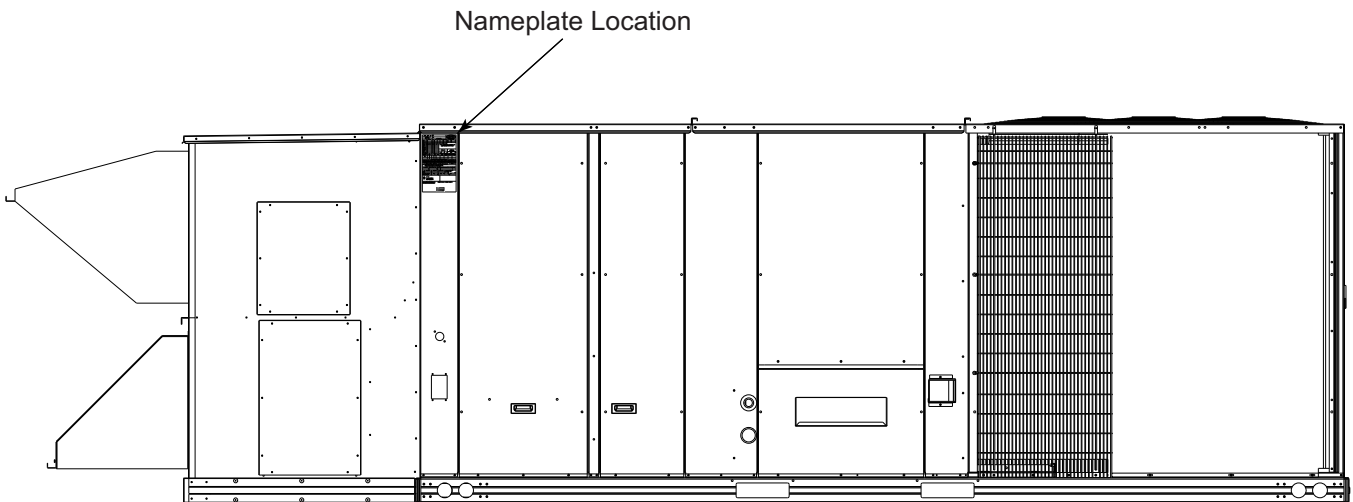


Fig. 1 - Location of Unit Nameplate

C12603

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

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.												w/ PWRD C.O.											
			w/ ERV, w/o Economizer						w/ ERV, w/ Economizer						w/ ERV, w/o Economizer						w/ ERV, w/ Economizer					
			MCA	FUSE or HACR BRKR	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	
48HC**17	208/230-3-60	STD	85.4/85.3	100/100	91/91	425	433	100/100	93.1/93.0	100/100	102	447	430	90.2/90.1	100/100	96/96	430	444	100.1	125	110/110	105/105	108	452	438	
		MED	87.6	100	93	439	447	110	95.3	100/100	102	447	430	92.4	100	99	444	444	100.1	125	110/110	105/105	108	452	438	
		HIGH	90.6/89.7	100/100	97/96	441	449	110/110	98.3/97.4	110/110	106/105	102/101	446	446	95.4/94.5	110/110	102/101	446	446	103.1/102.2	125/125	111/110	111/110	454	454	454
	460-3-60	STD	43	50	46	249	253	50	46.3	46.3	50	253	253	45.2	50	48	251	251	48.5	60	60	52	255	255	255	
		MED	44.1	50	47	256	260	60	47.4	47.4	51	260	260	46.3	50	50	258	258	49.6	60	60	53	262	262	262	
		HIGH	45.2	50	48	257	261	60	48.5	48.5	52	261	261	47.4	60	51	259	259	50.7	60	60	55	263	263	263	
	575-3-60	STD	33.5	40	36	191	195	45	36.8	36.8	40	195	193	35.2	40	38	193	193	38.5	45	45	42	197	197	197	
		MED	33.5	40	36	191	195	45	36.8	36.8	40	195	193	35.2	40	38	193	193	38.5	45	45	42	197	197	197	
		HIGH	36.3	45	39	205	209	45	39.6	39.6	43	209	209	38	45	41	207	207	41.3	50	50	45	211	211	211	
48HC**20	208/230-3-60	STD	92.3	100	98	469	477	125	100.0	100.0	107	477	477	97.1	110	104	474	474	104.8	125	125	113	482	482	482	
		MED	95.3/94.4	110/110	102/101	471	479	125/125	103.0/102.1	103.0/102.1	111/110	479	479	100.1/99.2	125/125	107/106	476	476	107.8/106.9	125/125	125/125	116/115	484	484	484	
		HIGH	98.8	125	106	467	475	125	106.5	106.5	115	475	475	103.6	125	111	472	472	111.3	125	125	120	480	480	480	
	460-3-60	STD	44.4	50	47	258	262	60	47.7	47.7	51	262	262	46.6	50	50	260	260	49.9	60	60	54	264	264	264	
		MED	45.5	50	49	259	263	60	48.8	48.8	52	263	263	47.7	60	51	261	261	51.0	60	60	55	265	265	265	
		HIGH	47.7	60	51	257	261	60	51.0	51.0	55	261	261	49.9	60	54	259	259	53.2	60	60	58	263	263	263	
	575-3-60	STD	33.5	40	36	193	197	45	36.8	36.8	40	197	197	35.2	40	38	195	195	38.5	45	45	42	199	199	199	
		MED	36.3	45	39	207	211	45	39.6	39.6	43	211	211	38.0	45	41	209	209	41.3	50	50	45	213	213	213	
		HIGH	38.3	45	41	205	209	45	41.6	41.6	45	209	209	40	45	43	207	207	43.3	50	50	47	211	211	211	
48HC**24	208/230-3-60	STD	119.6/118.7	150/150	129/128	583	583	150/150	119.6/118.7	150/150	129/128	583	583	124.4/123.5	150/150	134/133	588	588	124.4/123.5	150/150	150/150	134/133	588	588	588	
		MED	123.1	150	133	579	579	150	123.1	123.1	133	579	579	127.9	150	138	584	584	127.9	150	150	138	584	584	584	
		HIGH	134.5	150	146	658	658	150	134.5	134.5	146	658	658	139.3	150	152	663	663	139.3	150	150	152	663	663	663	
	460-3-60	STD	61.7	70	66	295	295	70	61.7	61.7	66	295	295	63.9	80	69	297	297	63.9	80	80	69	297	297	297	
		MED	63.9	80	69	293	293	80	63.9	63.9	69	293	293	66.1	80	71	295	295	66.1	80	80	71	295	295	295	
		HIGH	69.6	80	75	333	333	80	69.6	69.6	75	333	333	71.8	80	78	335	335	71.8	80	80	78	335	335	335	
	575-3-60	STD	49.6	60	54	219	219	60	49.6	49.6	54	219	219	51.3	60	55	221	221	51.3	60	60	55	221	221	221	
		MED	51.6	60	56	217	217	60	51.6	51.6	56	217	217	53.3	60	58	219	219	53.3	60	60	58	219	219	219	
		HIGH	53.5	60	58	244	244	60	53.5	53.5	58	244	244	55.2	60	60	246	246	55.2	60	60	60	246	246	246	
48HC**28	208/230-3-60	STD	148.3/147.4	175/175	157/156	623	623	148.3/147.4	148.3/147.4	175/175	157/156	623	623	153.1/152.2	200/200	162/161	628	628	153.1/152.2	200/200	200/200	162/161	628	628	628	
		MED	151.8	175	161	619	619	175	151.8	151.8	161	619	619	156.6	200	166	624	624	156.6	200	200	166	624	624	624	
		HIGH	163.2	200	174	698	698	200	163.2	163.2	174	698	698	168.0	200	179	703	703	168.0	200	200	179	703	703	703	
	460-3-60	STD	67.1	80	72	321	321	80	67.1	67.1	72	321	321	69.3	80	74	323	323	69.3	80	80	74	323	323	323	
		MED	69.3	80	74	319	319	80	69.3	69.3	74	319	319	71.5	90	77	321	321	71.5	90	90	77	321	321	321	
		HIGH	75.0	90	81	359	359	90	75.0	75.0	81	359	359	77.2	90	83	361	361	77.2	90	90	83	361	361	361	
	575-3-60	STD	54.5	60	58	243	243	60	54.5	54.5	58	243	243	56.2	60	60	245	245	56.2	60	60	60	245	245	245	
		MED	56.5	70	61	241	241	70	56.5	56.5	61	241	241	58.2	70	63	243	243	58.2	70	70	63	243	243	243	
		HIGH	58.4	70	63	268	268	70	58.4	58.4	63	268	268	60.1	70	65	270	270	60.1	70	70	65	270	270	270	

See: "Legend and Notes for Tables 1 - 8" on page 23.



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

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.												w/ PWRD C.O.											
			w/ ERV, w/o Economizer						w/ ERV, w/ Economizer						w/ ERV, w/o Economizer						w/ ERV, w/ Economizer					
			MCA	HACR BRKR	FLA	DISC. SIZE LRA	MCA	HACR BRKR	FLA	DISC. SIZE LRA	MCA	HACR BRKR	FLA	DISC. SIZE LRA	MCA	HACR BRKR	FLA	DISC. SIZE LRA	MCA	HACR BRKR	FLA	DISC. SIZE LRA	MCA	HACR BRKR	FLA	DISC. SIZE LRA
48HC**17	208/230-3-60	STD	85.4/85.4	100/100	91/91	425	93.1/93.1	100/100	100/100	433	90.2/90.2	100/100	96/96	430	97.9/97.9	110/110	105/105	438								
		MED	87.6	100	93	439	95.3	110	102	447	92.4	100	99	444	100.1	125	108	452								
		HIGH	90.6/90.6	100/100	97/96	441	98.3/98.3	110/110	106/105	449	95.4/95.4	110/110	102/101	446	103.1/103.1	125/125	111/110	454								
	460-3-60	STD	43	50	46	249	46.3	50	50	253	45.2	50	48	251	48.5	60	52	255								
		MED	44.1	50	47	256	47.4	60	51	260	46.3	50	50	258	49.6	60	53	262								
		HIGH	45.2	50	48	257	48.5	60	52	261	47.4	60	51	259	50.7	60	55	263								
	575-3-60	STD	33.5	40	36	191	36.8	45	40	195	35.2	40	38	193	38.5	45	42	197								
		MED	33.5	40	36	191	36.8	45	40	195	35.2	40	38	193	38.5	45	42	197								
		HIGH	36.3	45	39	205	39.6	45	43	209	38	45	41	207	41.3	50	45	211								
	48HC**20	208/230-3-60	STD	92.3	100	98	469	100.0	125	107	477	97.1	110	104	474	104.8	125	113	482							
			MED	95.3/95.3	110/110	102/101	471	103.0/103.0	125/125	111/110	479	100.1/100.1	125/125	107/106	476	107.8/107.8	125/125	116/115	484							
			HIGH	98.8	125	106	467	106.5	125	115	475	103.6	125	111	472	111.3	125	120	480							
460-3-60		STD	44.4	50	47	258	47.7	60	51	262	46.6	50	50	260	49.9	60	54	264								
		MED	45.5	50	49	259	48.8	60	52	263	47.7	60	51	261	51.0	60	55	265								
		HIGH	47.7	60	51	257	51.0	60	55	261	49.9	60	54	259	53.2	60	58	263								
575-3-60		STD	33.5	40	36	193	36.8	45	40	197	35.2	40	38	195	38.5	45	42	199								
		MED	36.3	45	39	207	39.6	45	43	211	38.0	45	41	209	41.3	50	45	213								
		HIGH	38.3	45	41	205	41.6	50	45	209	40	45	43	207	43.3	50	47	211								
48HC**24		208/230-3-60	STD	119.6/119.6	150/150	129/128	583	119.6/119.6	150/150	129/128	583	124.4/124.4	150/150	134/133	588	124.4/124.4	150/150	134/133	588							
			MED	123.1	150	133	579	123.1	150	133	579	127.9	150	138	584	127.9	150	138	584							
			HIGH	134.5	150	146	658	134.5	150	146	658	139.3	150	152	663	139.3	150	152	663							
	460-3-60	STD	61.7	70	66	295	61.7	70	66	295	63.9	80	69	297	63.9	80	69	297								
		MED	63.9	80	69	293	63.9	80	69	293	66.1	80	71	295	66.1	80	71	295								
		HIGH	69.6	80	75	333	69.6	80	75	333	71.8	80	78	335	71.8	80	78	335								
	575-3-60	STD	49.6	60	54	219	49.6	60	54	219	51.3	60	55	221	51.3	60	55	221								
		MED	51.6	60	56	217	51.6	60	56	217	53.3	60	58	219	53.3	60	58	219								
		HIGH	53.5	60	58	244	53.5	60	58	244	55.2	60	60	246	55.2	60	60	246								
	48HC**28	208/230-3-60	STD	148.3/148.3	175/175	157/156	623	148.3/148.3	175/175	157/156	623	153.1/153.1	200/200	162/161	628	153.1/153.1	200/200	162/161	628							
			MED	151.8	175	161	619	151.8	175	161	619	156.6	200	166	624	156.6	200	166	624							
			HIGH	163.2	200	174	698	163.2	200	174	698	168.0	200	179	703	168.0	200	179	703							
460-3-60		STD	67.1	80	72	321	67.1	80	72	321	69.3	80	74	323	69.3	80	74	323								
		MED	69.3	80	74	319	69.3	80	74	319	71.5	90	77	321	71.5	90	77	321								
		HIGH	75.0	90	81	359	75.0	90	81	359	77.2	90	83	361	77.2	90	83	361								
575-3-60		STD	54.5	60	58	243	54.5	60	58	243	56.2	60	60	245	56.2	60	60	245								
		MED	56.5	70	61	241	56.5	70	61	241	58.2	70	63	243	58.2	70	63	243								
		HIGH	58.4	70	63	268	58.4	70	63	268	60.1	70	65	270	60.1	70	65	270								

See: "Legend and Notes for Tables 1 - 8" on page 23.

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

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.						w/ PWRD C.O.									
			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer						
			MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA				
48HC**17	208/230-3-60	STD	85.6/84.8	100/100	91/90	406	93.3/92.5	100/100	100/99	414	90.4/89.6	100/100	97/96	411	98.1/97.3	110/110	106/105	419
		MED	87.8/86.8	100/100	94/93	430	95.5/94.5	110/110	103/101	438	92.6/91.6	100/100	99/98	435	100.3/99.3	125/110	108/107	443
		HIGH	90.6/89.7	100/100	97/96	441	98.3/97.4	110/110	106/105	449	95.4/94.5	110/110	102/101	446	103.1/102.2	125/125	111/110	454
	460-3-60	STD	42.6	50	45	240	45.9	50	49	244	44.8	50	48	242	48.1	60	52	246
		MED	43.7	50	47	252	47.0	60	50	256	45.9	50	49	254	49.2	60	53	258
		HIGH	45.2	50	48	257	48.5	60	52	261	47.4	60	51	259	50.7	60	55	263
	575-3-60	STD	35.2	40	38	191	38.5	45	42	195	36.9	45	40	193	40.2	45	43	197
		MED	35.2	40	38	191	38.5	45	42	195	36.9	45	40	193	40.2	45	43	197
		HIGH	36.9	45	40	205	40.2	45	43	209	38.6	45	42	207	41.9	50	45	211
	208/230-3-60	STD	92.5/91.5	100/100	98/97	460	100.2/99.2	125/125	107/106	468	97.3/96.3	110/110	104/103	465	105.0/104.0	125/125	113/112	473
		MED	95.3/94.4	110/110	102/101	471	103.0/102.1	125/125	111/110	479	100.1/99.2	125/125	107/106	476	107.8/106.9	125/125	116/115	484
		HIGH	98.8	125	106	467	106.5	125	115	475	103.6	125	111	472	111.3	125	120	480
STD		44	50	47	254	47.3	60	51	258	46.2	50	49	256	49.5	60	53	260	
MED		45.5	50	49	259	48.8	60	52	263	47.7	60	51	261	51.0	60	55	265	
HIGH		47.7	60	51	257	51.0	60	55	261	49.9	60	54	259	53.2	60	58	263	
48HC**20	575-3-60	STD	35.2	40	38	193	38.5	45	42	197	36.9	45	40	195	40.2	45	43	199
		MED	36.9	45	40	207	40.2	45	43	211	38.6	45	42	209	41.9	50	45	213
		HIGH	38.3	45	41	205	41.6	50	45	209	40	45	43	207	43.3	50	47	213
	208/230-3-60	STD	119.6/118.7	150/150	129/128	583	119.6/118.7	150/150	129/128	583	124.4/123.5	150/150	134/133	588	124.4/123.5	150/150	134/133	588
		MED	123.1	150	133	579	123.1	150	133	579	127.9	150	138	584	127.9	150	138	584
		HIGH	134.5	150	146	658	134.5	150	146	658	139.3	150	152	663	139.3	150	152	663
48HC**24	460-3-60	STD	61.7	70	66	295	61.7	70	66	295	63.9	80	69	297	63.9	80	69	297
		MED	63.9	80	69	293	63.9	80	69	293	66.1	80	71	295	66.1	80	71	295
		HIGH	69.6	80	75	333	69.6	80	75	333	71.8	80	78	335	71.8	80	78	335
	575-3-60	STD	50.2	60	54	219	50.2	60	54	219	51.9	60	56	221	51.9	60	56	221
		MED	51.6	60	56	217	51.6	60	56	217	53.3	60	58	219	53.3	60	58	219
		HIGH	53.5	60	58	244	53.5	60	58	244	55.2	60	60	246	55.2	60	60	246
48HC**28	208/230-3-60	STD	148.3/147.4	175/175	157/156	623	148.3/147.4	175/175	157/156	623	153.1/152.2	200/200	162/161	628	153.1/152.2	200/200	162/161	628
		MED	151.8	175	161	619	151.8	175	161	619	156.6	200	166	624	156.6	200	166	624
		HIGH	163.2	200	174	698	163.2	200	174	698	168.0	200	179	703	168.0	200	179	703
	460-3-60	STD	67.1	80	72	321	67.1	80	72	321	69.3	80	74	323	69.3	80	74	323
		MED	69.3	80	74	319	69.3	80	74	319	71.5	90	77	321	71.5	90	77	321
		HIGH	75.0	90	81	359	75.0	90	81	359	77.2	90	83	361	77.2	90	83	361
575-3-60	STD	55.1	60	59	243	55.1	60	59	243	56.8	70	61	245	56.8	70	61	245	
	MED	56.5	70	61	241	56.5	70	61	241	58.2	70	63	243	58.2	70	63	243	
	HIGH	58.4	70	63	268	58.4	70	63	268	60.1	70	65	270	60.1	70	65	270	

See: "Legend and Notes for Tables 1 - 8" on page 23.



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

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.												w/ PWRD C.O.											
			w/ ERV, w/o Economizer						w/ ERV, w/ Economizer						w/ ERV, w/o Economizer						w/ ERV, w/ Economizer					
			MCA	HACR BRKR	FLA	DISC. SIZE LRA	MCA	HACR BRKR	FLA	DISC. SIZE LRA	MCA	HACR BRKR	FLA	DISC. SIZE LRA	MCA	HACR BRKR	FLA	DISC. SIZE LRA	MCA	HACR BRKR	FLA	DISC. SIZE LRA				
48HC**17	208/230-3-60	STD	85.6/85.6	100/100	91/90	406	93.3/93.3	100/100	100/99	414	90.4/90.4	100/100	97/96	411	98.1/98.1	110/110	97/96	411	98.1/98.1	110/110	97/96	411				
		MED	87.8/87.8	100/100	94/93	430	95.5/95.5	110/110	103/101	438	92.6/92.6	100/100	99/98	435	100.3/100.3	125/125	99/98	435	100.3/100.3	125/125	99/98	435				
		HIGH	90.6/90.6	100/100	97/96	441	98.3/98.3	110/110	106/105	449	95.4/95.4	110/110	102/101	446	103.1/103.1	125/125	102/101	446	103.1/103.1	125/125	102/101	446				
	460-3-60	STD	42.6	50	45	240	45.9	50	49	244	44.8	50	48	242	48.1	60	48	242	48.1	60	48	242				
		MED	43.7	50	47	252	47.0	60	50	256	45.9	60	49	254	49.2	60	49	254	49.2	60	49	254				
		HIGH	45.2	50	48	257	48.5	60	52	261	47.4	60	51	259	50.7	60	51	259	50.7	60	51	259				
575-3-60	STD	35.2	40	38	191	38.5	45	42	195	36.9	45	40	193	40.2	45	40	193	40.2	45	40	193					
	MED	35.2	40	38	191	38.5	45	42	195	36.9	45	40	193	40.2	45	40	193	40.2	45	40	193					
	HIGH	36.9	45	40	205	40.2	45	43	209	38.6	45	42	207	41.9	50	42	207	41.9	50	42	207					
48HC**20	208/230-3-60	STD	92.5/92.5	100/100	98/97	460	100.2/100.2	125/125	107/106	468	97.3/97.3	110/110	104/103	465	105.0/105.0	125/125	104/103	465	105.0/105.0	125/125	104/103	465				
		MED	95.3/95.3	110/110	102/101	471	103.0/103.0	125/125	111/110	479	100.1/100.1	125/125	107/106	476	107.8/107.8	125/125	107/106	476	107.8/107.8	125/125	107/106	476				
		HIGH	98.8	125	106	467	106.5	125	115	475	103.6	125	111	472	111.3	125	111	472	111.3	125	111	472				
	460-3-60	STD	44	50	47	254	47.3	60	51	258	46.2	50	49	256	49.5	60	49	256	49.5	60	49	256				
		MED	45.5	50	49	259	48.8	60	52	263	47.7	60	51	261	51.0	60	51	261	51.0	60	51	261				
		HIGH	47.7	60	51	257	51.0	60	55	261	49.9	60	54	259	53.2	60	54	259	53.2	60	54	259				
575-3-60	STD	35.2	40	38	193	38.5	45	42	197	36.9	45	40	195	40.2	45	40	195	40.2	45	40	195					
	MED	36.9	45	40	207	40.2	45	43	211	38.6	45	42	209	41.9	50	42	209	41.9	50	42	209					
	HIGH	38.3	45	41	205	41.6	50	45	209	40	45	43	207	43.3	50	43	207	43.3	50	43	207					
48HC**24	208/230-3-60	STD	119.6/119.6	150/150	129/128	583	119.6/119.6	150/150	129/128	583	124.4/124.4	150/150	134/133	588	124.4/124.4	150/150	134/133	588	124.4/124.4	150/150	134/133	588				
		MED	123.1	150	133	579	123.1	150	133	579	127.9	150	138	584	127.9	150	138	584	127.9	150	138	584				
		HIGH	134.5	150	146	658	134.5	150	146	658	139.3	150	152	663	139.3	150	152	663	139.3	150	152	663				
	460-3-60	STD	61.7	70	66	295	61.7	70	66	295	63.9	80	69	297	63.9	80	69	297	63.9	80	69	297				
		MED	63.9	80	69	293	63.9	80	69	293	66.1	80	71	295	66.1	80	71	295	66.1	80	71	295				
		HIGH	69.6	80	75	333	69.6	80	75	333	71.8	80	78	335	71.8	80	78	335	71.8	80	78	335				
575-3-60	STD	50.2	60	54	219	50.2	60	54	219	51.9	60	56	221	51.9	60	56	221	51.9	60	56	221					
	MED	51.6	60	56	217	51.6	60	56	217	53.3	60	58	219	53.3	60	58	219	53.3	60	58	219					
	HIGH	53.5	60	58	244	53.5	60	58	244	55.2	60	60	246	55.2	60	60	246	55.2	60	60	246					
48HC**28	208/230-3-60	STD	148.3/148.3	175/175	157/156	623	148.3/148.3	175/175	157/156	623	153.1/153.1	200/200	162/161	628	153.1/153.1	200/200	162/161	628	153.1/153.1	200/200	162/161	628				
		MED	151.8	175	161	619	151.8	175	161	619	156.6	200	166	624	156.6	200	166	624	156.6	200	166	624				
		HIGH	163.2	200	174	698	163.2	200	174	698	168.0	200	179	703	168.0	200	179	703	168.0	200	179	703				
	460-3-60	STD	67.1	80	72	321	67.1	80	72	321	69.3	80	74	323	69.3	80	74	323	69.3	80	74	323				
		MED	69.3	80	74	319	69.3	80	74	319	71.5	90	77	321	71.5	90	77	321	71.5	90	77	321				
		HIGH	75.0	90	81	359	75.0	90	81	359	77.2	90	83	361	77.2	90	83	361	77.2	90	83	361				
575-3-60	STD	55.1	60	59	243	55.1	60	59	243	56.8	70	61	245	56.8	70	61	245	56.8	70	61	245					
	MED	56.5	70	61	241	56.5	70	61	241	58.2	70	63	243	58.2	70	63	243	58.2	70	63	243					
	HIGH	58.4	70	63	268	58.4	70	63	268	60.1	70	65	270	60.1	70	65	270	60.1	70	65	270					

See: "Legend and Notes for Tables 1 - 8" on page 23.

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

UNIT	NO M. V-PH-HZ	IFM TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.										w/ PWRD C.O.						
			CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			
						MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	
208/230-3-60	STD	NONE	-	-	85.4/85.3	100/100	91/91	425	433	100/100	100/100	96/96	430	430	110/110	110/110	97.9/97.8	110/110	110/110	105/105	438
		279A00	18.8/25.0	52.1/60.1	95.9/105.8	100/110	91/97	425/425	433/433	110/125	110/125	96/103	430/430	430/430	110/125	125/125	111.6/121.4	125/125	125/125	105/112	438/438
		280A00	37.6/50.0	104.2/120.3	161.0/150.9	175/175	148/167	425/425	433/433	175/175	175/175	154/172	430/430	430/430	175/175	200/175	176.7/166.6	200/175	200/175	163/181	438/438
		281A00	56.3/75.0	156.4/180.4	187.2/211.0	200/225	208/236	425/425	433/433	200/225	200/225	214/241	430/430	430/430	214/241	225/250	202.8/226.7	225/250	225/250	223/250	438/438
208/230-3-60	MED	NONE	-	-	87.6	100	93	439	447	110	110	102	447	444	100	100	100.1	125	125	108	452
		279A00	18.8/25.0	52.1/60.1	98.6/108.6	100/110	93/100	439/439	447/447	110/125	110/125	102/109	447/447	444/444	110/125	125/125	114.3/124.3	125/125	125/125	108/114	452/452
		280A00	37.6/50.0	104.2/120.3	163.8/153.8	175/175	151/169	439/439	447/447	175/175	175/175	160/178	447/447	444/444	175/175	200/175	179.4/169.5	200/175	200/175	165/184	452/452
		281A00	56.3/75.0	156.4/180.4	189.9/213.9	200/225	211/238	439/439	447/447	200/250	200/250	220/247	447/447	444/444	200/250	225/250	205.6/229.6	225/250	225/250	225/253	452/452
50hc**17	2460-3-60	NONE	-	-	90.6/89.7	100/100	97/96	441	449	110/110	106/105	102/101	446	446	110/110	102/101	103.1/102.2	125/125	125/125	111/110	454
		279A00	18.8/25.0	52.1/60.1	102.4/111.3	110/125	97/102	441/441	449/449	110/125	106/111	102/108	446/446	446/446	110/125	125/125	118.1/126.9	125/150	125/150	111/117	454/454
		280A00	37.6/50.0	104.2/120.3	167.5/156.4	175/175	154/172	441/441	449/449	200/175	163/180	160/177	446/446	446/446	175/175	200/175	183.2/172.1	200/175	200/175	169/186	454/454
		281A00	56.3/75.0	156.4/180.4	193.7/216.5	200/250	214/241	441/441	449/449	200/250	223/250	220/246	446/446	446/446	200/250	225/250	209.3/232.2	225/250	225/250	229/255	454/454
50hc**17	STD	NONE	-	-	43.0	50	46	249	253	50	50	50	253	260	50	50	45.2	60	60	52	255
		282A00	25.0	30.1	52.0	60	48	249	256	60	60	52	253	260	60	60	54.8	70	70	55	262
		283A00	50.0	60.1	74.5	80	82	249	256	80	80	86	253	260	80	80	77.2	90	90	89	262
		284A00	75.0	90.2	104.6	110	117	249	256	110	110	121	253	260	110	110	107.3	125	125	123	262
50hc**17	MED	NONE	-	-	44.1	50	47	256	261	60	60	51	260	260	60	60	47.4	60	60	51	263
		282A00	25.0	30.1	53.4	60	49	256	261	60	60	53	260	260	60	60	57.5	70	70	57	263
		283A00	50.0	60.1	75.9	80	84	256	261	80	80	87	260	260	80	80	80.0	90	90	91	263
		284A00	75.0	90.2	107.3	125	119	257	261	125	125	123	261	261	125	125	110.1	125	125	126	263
50hc**17	HIGH	NONE	-	-	45.2	50	48	257	261	60	60	52	261	261	60	60	47.4	60	60	51	263
		282A00	25.0	30.1	54.8	60	50	257	261	60	60	54	261	261	60	60	57.5	70	70	57	263
		283A00	50.0	60.1	77.2	80	85	257	261	80	80	89	261	261	80	80	80.0	90	90	91	263
		284A00	75.0	90.2	107.3	125	119	257	261	125	125	123	261	261	125	125	110.1	125	125	126	263
575-3-60	STD	NONE	-	-	33.5	40	36	191	195	45	40	40	195	195	40	40	35.2	40	40	38	197
		285A00	24.8	23.9	42.5	45	39	191	191	50	43	43	195	195	45	45	44.6	45	45	45	197
		286A00	49.6	47.7	72.3	80	66	191	191	80	70	70	195	195	80	80	74.4	80	80	72	197
		287A00	74.4	71.6	84.2	90	94	191	191	90	98	98	195	195	90	90	86.4	90	90	100	197
575-3-60	MED	NONE	-	-	33.5	40	36	191	195	45	40	40	195	195	40	40	35.2	40	40	38	197
		285A00	24.8	23.9	42.5	45	39	191	191	50	43	43	195	195	45	45	44.6	45	45	45	197
		286A00	49.6	47.7	72.3	80	66	191	191	80	70	70	195	195	80	80	74.4	80	80	72	197
		287A00	74.4	71.6	84.2	90	94	191	191	90	98	98	195	195	90	90	86.4	90	90	100	197
575-3-60	HIGH	NONE	-	-	36.3	45	39	205	209	45	43	43	209	209	45	45	38.0	45	45	41	211
		285A00	24.8	23.9	46.0	50	42	205	205	60	46	46	209	209	50	50	50.1	50	50	48	211
		286A00	49.6	47.7	75.8	80	70	205	205	80	73	73	209	209	80	80	77.9	80	80	75	211
		287A00	74.4	71.6	87.7	90	97	205	205	90	101	101	209	209	90	90	89.9	90	90	103	211

See: "Legend and Notes for Tables 1 – 8" on page 23.



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

UNIT	NO M, V-PH-HZ	ELEC. HTR			NO C.O. or UNPWR C.O.										w/ PWR C.O.											
		CRHEATER**A00	Nom (kW)	FLA	w/ ERV, w/o Economizer		w/ ERV, w/ Economizer		w/ ERV, w/o Economizer		w/ ERV, w/ Economizer		w/ ERV, w/o Economizer		w/ ERV, w/ Economizer		w/ ERV, w/o Economizer		w/ ERV, w/ Economizer							
IFM TYPE				FLA	MCA	FUSE or HACR BRKR	DISC. SIZE	FLA	LRA	MCA	FUSE or HACR BRKR	DISC. SIZE	FLA	LRA	MCA	FUSE or HACR BRKR	DISC. SIZE	FLA	LRA	MCA	FUSE or HACR BRKR	DISC. SIZE	FLA	LRA		
STD		NONE	-	-	92.3	100	98	469	477	100.0	125	107	477	110	474	97.1	110	104	474	104.8	125	113	482	113	482	
		279A00	18.8/25.0	52.1/60.1	98.6/108.6	100/110	98/100	469/469	477/477	108.3/118.3	125/125	107/109	477/477	110/125	104/105	474/474	104.6/114.6	110/125	104/105	474/474	114.3/124.3	125/125	113/114	482/482	113/114	482/482
		280A00	37.6/50.0	104.2/120.3	163.8/153.8	175/175	151/169	469/469	477/477	173.4/163.5	175/175	160/178	477/477	175/175	156/175	474/474	169.8/159.8	175/175	156/175	474/474	179.4/169.5	200/175	165/164	482/482	165/164	482/482
		281A00	56.3/75.0	156.4/180.4	189.9/213.9	200/225	211/238	469/469	477/477	199.6/223.6	200/250	220/247	477/477	200/250	216/244	474/474	195.9/219.9	200/250	216/244	474/474	205.6/229.6	225/250	229/253	482/482	225/250	482/482
MED	208/230-3-60	NONE	-	-	95.3/94.4	110/110	102/101	471	479	103.0/102.1	125/125	111/110	479	100/109	476	100.1/99.2	125/125	107/106	476	107.8/106.9	125/125	116/115	484	116/115	484	
		279A00	18.8/25.0	52.1/60.1	102.4/111.3	110/125	102/102	471/471	479/479	112.1/120.9	125/125	111/111	479/479	108.4/117.3	107/108	476/476	108.4/117.3	125/125	107/108	476/476	118.1/126.9	125/150	116/117	484/484	116/117	484/484
		280A00	37.6/50.0	104.2/120.3	167.5/156.4	175/175	154/172	471/471	479/479	177.2/166.1	200/175	163/180	479/479	173.5/162.4	160/177	476/476	173.5/162.4	175/175	160/177	476/476	183.2/172.1	200/175	169/166	484/484	169/166	484/484
		281A00	56.3/75.0	156.4/180.4	193.7/216.5	200/250	214/241	471/471	479/479	203.3/226.2	225/250	223/250	479/479	198.7/222.5	220/246	476/476	198.7/222.5	200/250	220/246	476/476	209.3/232.2	225/250	229/255	484/484	225/250	484/484
HIGH		NONE	-	-	98.8	125	106	467	475	106.5	125	115	475	103.6	472	103.6	125	111	472	111.3	125	120	480	120	480	
		279A00	18.8/25.0	52.1/60.1	106.8/116.8	125/125	106/107	467/467	475/475	116.4/126.4	125/150	115/116	475/475	112.8/122.8	111/113	472/472	112.8/122.8	125/125	111/113	472/472	122.4/132.4	125/150	120/122	480/480	120/122	480/480
		280A00	37.6/50.0	104.2/120.3	171.9/161.9	175/175	158/177	467/467	475/475	181.6/171.6	200/175	167/186	475/475	177.9/167.9	164/182	472/472	177.9/167.9	200/175	164/182	472/472	187.6/177.6	200/200	173/191	480/480	173/191	480/480
		281A00	56.3/75.0	156.4/180.4	198.0/222.0	200/250	218/246	467/467	475/475	207.7/231.7	225/250	227/255	475/475	204.0/228.0	224/251	472/472	204.0/228.0	225/250	224/251	472/472	213.7/237.7	225/250	233/260	480/480	225/250	480/480
STD		NONE	-	-	44.4	50	47	258	263	47.7	60	51	262	46.6	261	46.6	60	50	260	49.9	60	54	264	54	264	
		282A00	25.0	30.1	53.4	60	49	258	263	57.5	60	53	262	56.1	261	56.1	60	52	260	60.3	70	55	264	55	264	
		283A00	50.0	60.1	75.9	80	84	258	263	80.0	80	87	262	78.6	261	78.6	80	86	260	82.7	90	90	264	90	264	
		284A00	75.0	90.2	106.0	110	118	258	263	110.1	125	122	262	108.7	261	108.7	125	121	260	112.8	125	125	264	125	264	
MED	2460-3-60	NONE	-	-	45.5	50	49	259	263	48.8	60	52	263	47.7	261	47.7	60	51	261	51.0	60	55	265	55	265	
		282A00	25.0	30.1	54.8	60	50	259	263	58.9	60	54	263	57.5	261	57.5	60	53	261	61.6	70	57	265	57	265	
		283A00	50.0	60.1	77.2	80	85	259	263	81.4	80	89	263	80.0	261	80.0	80	87	261	84.1	90	91	265	91	265	
		284A00	75.0	90.2	107.3	125	119	259	263	110.1	125	123	263	110.1	261	110.1	125	122	261	114.2	125	126	265	126	265	
HIGH		NONE	-	-	47.7	60	51	257	261	51.0	60	55	261	49.9	261	49.9	60	54	259	53.2	60	58	263	58	263	
		282A00	25.0	30.1	57.5	60	53	257	261	61.6	70	57	261	60.3	261	60.3	70	55	259	64.4	70	59	263	59	263	
		283A00	50.0	60.1	80.0	90	87	257	261	84.1	80	91	261	82.7	261	82.7	90	90	259	86.9	90	94	263	94	263	
		284A00	75.0	90.2	110.1	125	122	257	261	114.2	125	126	261	112.8	261	112.8	125	125	259	117.0	125	128	263	128	263	
STD		NONE	-	-	33.5	40	36	193	197	36.8	45	40	197	35.2	197	35.2	40	38	195	38.5	45	42	199	42	199	
		285A00	24.8	23.9	42.5	45	39	193	197	46.6	50	43	197	44.6	197	44.6	45	41	195	48.8	50	45	199	45	199	
		286A00	49.6	47.7	72.3	80	66	193	197	76.4	80	70	197	74.4	197	74.4	80	68	195	78.5	80	72	199	72	199	
		287A00	74.4	71.6	84.2	90	94	193	197	88.4	90	98	197	86.4	197	86.4	90	96	195	90.5	100	100	199	100	199	
MED	575-3-60	NONE	-	-	36.3	45	39	207	211	39.6	45	43	211	38.0	211	38.0	45	41	209	41.3	50	45	213	45	213	
		285A00	24.8	23.9	46.0	50	42	207	211	50.1	60	46	211	48.1	211	48.1	50	44	209	52.3	60	48	213	48	213	
		286A00	49.6	47.7	75.8	80	70	207	211	79.9	80	73	211	77.9	211	77.9	80	72	209	82.0	90	75	213	75	213	
		287A00	74.4	71.6	87.7	90	97	207	211	91.9	100	101	211	89.9	211	89.9	90	99	209	94.0	100	103	213	103	213	
HIGH		NONE	-	-	38.3	45	41	205	209	41.6	50	45	209	40.0	209	40.0	45	43	207	43.3	50	47	211	47	211	
		285A00	24.8	23.9	48.5	50	45	205	209	52.6	60	48	209	50.6	209	50.6	60	47	207	54.8	60	50	211	50	211	
		286A00	49.6	47.7	78.3	80	72	205	209	82.4	90	76	209	80.4	209	80.4	90	74	207	84.5	90	78	211	78	211	
		287A00	74.4	71.6	90.2	100	99	205	209	94.4	100	103	209	92.4	209	92.4	100	101	207	96.5	100	105	211	105	211	

See: "Legend and Notes for Tables 1 - 8" on page 23

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

UNIT	NO M. V-PH-HZ	IFM TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.										w/ PWRD C.O.													
			CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer					w/ ERV, w/ Economizer					w/ ERV, w/o Economizer					w/ ERV, w/ Economizer							
						MCA	FUSE of HACR BRKR	FLA	LRA	DISC. SIZE	MCA	FUSE of HACR BRKR	FLA	LRA	DISC. SIZE	MCA	FUSE of HACR BRKR	FLA	LRA	DISC. SIZE	MCA	FUSE of HACR BRKR	FLA	LRA	DISC. SIZE			
50hc**24	2460-3-60	STD	NONE	-	-	119.6/118.7	150/150	129/128	583	129/128	129/128	583	119.6/118.7	150/150	129/128	583	124.4/123.5	150/150	134/133	588	134/133	134/133	588	124.4/123.5	150/150	134/133	588	
			279A00	18.8/25.0	52.1/60.1	122.5/131.4	150/150	129/128	583/583	122.5/131.4	150/150	129/128	583/583	122.5/131.4	150/150	129/128	588/588	126.5/137.4	150/150	134/133	588/588	134/133	134/133	588/588	126.5/137.4	150/150	134/133	588/588
			280A00	37.6/50.0	104.2/120.3	187.7/176.6	200/200	173/190	583/583	187.7/176.6	200/200	173/190	583/583	187.7/176.6	200/200	173/190	588/588	193.7/182.6	200/200	178/196	588/588	178/196	178/196	588/588	193.7/182.6	200/200	178/196	588/588
			281A00	56.3/75.0	156.4/180.4	213.8/236.7	225/250	233/259	583/583	213.8/236.7	225/250	233/259	583/583	213.8/236.7	225/250	233/259	588/588	219.8/242.7	225/250	238/265	588/588	238/265	238/265	588/588	219.8/242.7	225/250	238/265	588/588
			NONE	-	-	123.1	150	133	579	123.1	150	133	579	123.1	150	133	579	127.9	150	138	584	138	138	584	127.9	150	138	584
			279A00	18.8/25.0	52.1/60.1	126.9/136.9	150/150	133/133	579/579	126.9/136.9	150/150	133/133	579/579	126.9/136.9	150/150	133/133	579/579	132.9/142.9	150/150	138/138	584/584	138/138	138/138	584/584	132.9/142.9	150/150	138/138	584/584
			280A00	37.6/50.0	104.2/120.3	192.0/182.1	200/200	177/195	579/579	192.0/182.1	200/200	177/195	579/579	192.0/182.1	200/200	177/195	579/579	198.0/188.1	200/200	182/201	584/584	182/201	182/201	584/584	198.0/188.1	200/200	182/201	584/584
			281A00	56.3/75.0	156.4/180.4	218.2/242.2	225/250	237/264	579/579	218.2/242.2	225/250	237/264	579/579	218.2/242.2	225/250	237/264	579/579	224.2/248.2	225/250	242/270	584/584	242/270	242/270	584/584	224.2/248.2	225/250	242/270	584/584
575-3-60	575-3-60	MED	NONE	-	-	61.7	70	66	295	66	66	295	61.7	70	66	295	63.9	80	69	293	69	69	297	63.9	80	69	297	
			282A00	25.0	30.1	63.3	70	66	295	63.3	70	66	295	63.3	70	66	295	66.1	80	71	295	71	71	297	66.1	80	71	297
			283A00	50.0	60.1	85.8	90	93	295	85.8	90	93	295	85.8	90	93	295	88.6	90	95	297	95	95	297	88.6	90	95	297
			284A00	75.0	90.2	115.9	125	127	295	115.9	125	127	295	115.9	125	127	295	118.7	125	130	297	130	130	297	118.7	125	130	297
			NONE	-	-	63.9	80	69	293	63.9	80	69	293	63.9	80	69	293	66.1	80	71	295	71	71	295	66.1	80	71	295
			282A00	25.0	30.1	66.1	80	69	293	66.1	80	69	293	66.1	80	69	293	68.8	80	71	295	71	71	295	68.8	80	71	295
			283A00	50.0	60.1	88.6	90	95	293	88.6	90	95	293	88.6	90	95	293	91.3	100	98	295	98	98	295	91.3	100	98	295
			284A00	75.0	90.2	118.7	125	130	293	118.7	125	130	293	118.7	125	130	293	121.4	125	132	295	132	132	295	121.4	125	132	295
50hc**24	2460-3-60	HIGH	NONE	-	-	69.6	80	75	333	75	75	333	69.6	80	75	333	71.8	80	78	335	78	78	335	71.8	80	78	335	
			282A00	25.0	30.1	73.2	80	75	333	73.2	80	75	333	73.2	80	75	333	76.0	80	78	335	78	78	335	76.0	80	78	335
			283A00	50.0	60.1	95.7	100	102	333	95.7	100	102	333	95.7	100	102	333	98.4	100	104	335	104	104	335	98.4	100	104	335
			284A00	75.0	90.2	125.8	150	136	333	125.8	150	136	333	125.8	150	136	333	128.5	150	139	335	139	139	335	128.5	150	139	335
			NONE	-	-	49.6	60	54	219	49.6	60	54	219	49.6	60	54	219	51.3	60	55	221	55	55	221	51.3	60	55	221
			285A00	24.8	23.9	54.6	60	54	219	54.6	60	54	219	54.6	60	54	219	56.7	60	55	221	55	55	221	56.7	60	55	221
			286A00	49.6	47.7	84.3	90	78	219	84.3	90	78	219	84.3	90	78	219	86.5	90	80	221	80	80	221	86.5	90	80	221
			287A00	74.4	71.6	96.3	100	105	219	96.3	100	105	219	96.3	100	105	219	98.4	100	107	221	107	107	221	98.4	100	107	221
575-3-60	575-3-60	MED	NONE	-	-	51.6	60	56	217	56	56	217	51.6	60	56	217	53.3	60	58	219	58	58	219	53.3	60	58	219	
			285A00	24.8	23.9	57.1	60	56	217	57.1	60	56	217	57.1	60	56	217	59.2	60	58	219	58	58	219	59.2	60	58	219
			286A00	49.6	47.7	86.8	90	80	217	86.8	90	80	217	86.8	90	80	217	89.0	90	82	219	82	82	219	89.0	90	82	219
			287A00	74.4	71.6	98.8	100	107	217	98.8	100	107	217	98.8	100	107	217	100.9	110	109	219	109	109	219	100.9	110	109	219
			NONE	-	-	53.5	60	58	244	53.5	60	58	244	53.5	60	58	244	55.2	60	60	246	60	60	246	55.2	60	60	246
			285A00	24.8	23.9	59.5	60	58	244	59.5	60	58	244	59.5	60	58	244	61.6	70	60	246	60	60	246	61.6	70	60	246
			286A00	49.6	47.7	89.2	90	82	244	89.2	90	82	244	89.2	90	82	244	91.3	100	84	246	84	84	246	91.3	100	84	246
			287A00	74.4	71.6	101.2	110	110	244	101.2	110	110	244	101.2	110	110	244	103.3	110	112	246	112	112	246	103.3	110	112	246

See: "Legend and Notes for Tables 1 - 8" on page 23.

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

UNIT	NO M. V-PH-HZ	IFM TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.																				
			CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ PWRD C.O.											
						MCA	FUSE or HACR BRKR	FLA	DISC. SIZE LRA	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE LRA	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE LRA								
50hc**28	2460-3-60	STD	NONE	-	-	148.3/147.4	175/175	157/156	623	623	148.3/147.4	175/175	157/156	623	153.1/152.2	200/200	162/161	628	628	153.1/152.2	200/200	162/161	628	628	
			279A00	18.8/25.0	52.1/60.1	148.3/147.4	175/175	157/156	623/623	623/623	148.3/147.4	175/175	157/156	623/623	623/623	153.1/152.2	200/200	162/161	628/628	628/628	153.1/152.2	200/200	162/161	628/628	628/628
			280A00	37.6/50.0	104.2/120.3	187.7/176.6	200/200	173/190	623/623	623/623	187.7/176.6	200/200	173/190	623/623	623/623	193.7/182.6	200/200	178/196	628/628	628/628	193.7/182.6	200/200	178/196	628/628	628/628
			281A00	56.3/75.0	156.4/180.4	213.8/236.7	225/250	233/259	623/623	623/623	213.8/236.7	225/250	233/259	623/623	623/623	219.8/242.7	225/250	238/265	628/628	628/628	219.8/242.7	225/250	238/265	628/628	628/628
			NONE	-	-	151.8	175	161	619	619	151.8	175	161	619	619	156.6	200	166	624	624	156.6	200	166	624	624
			279A00	18.8/25.0	52.1/60.1	151.8/151.8	175/175	161/161	619/619	619/619	151.8/151.8	175/175	161/161	619/619	619/619	156.6/156.6	200/200	166/166	624/624	624/624	156.6/156.6	200/200	166/166	624/624	624/624
			280A00	37.6/50.0	104.2/120.3	192.0/182.1	200/200	177/195	619/619	619/619	192.0/182.1	200/200	177/195	619/619	619/619	198.0/188.1	200/200	182/201	624/624	624/624	198.0/188.1	200/200	182/201	624/624	624/624
			281A00	56.3/75.0	156.4/180.4	218.2/242.2	225/250	237/264	619/619	619/619	218.2/242.2	225/250	237/264	619/619	619/619	224.2/248.2	225/250	242/270	624/624	624/624	224.2/248.2	225/250	242/270	624/624	624/624
			NONE	-	-	163.2	200	174	698	698	163.2	200	174	698	698	168.0	200	179	703	703	168.0	200	179	703	703
			279A00	18.8/25.0	52.1/60.1	163.2/163.2	200/200	174/174	698/698	698/698	163.2/163.2	200/200	174/174	698/698	698/698	168.0/168.0	200/200	179/179	703/703	703/703	168.0/168.0	200/200	179/179	703/703	703/703
280A00	37.6/50.0	104.2/120.3	206.3/196.3	225/200	190/208	698/698	698/698	206.3/196.3	225/200	190/208	698/698	698/698	212.3/202.3	225/225	195/214	703/703	703/703	212.3/202.3	225/225	195/214	703/703	703/703			
281A00	56.3/75.0	156.4/180.4	232.4/256.4	250/300	250/277	698/698	698/698	232.4/256.4	250/300	250/277	698/698	698/698	238.4/262.4	250/300	255/283	703/703	703/703	238.4/262.4	250/300	255/283	703/703	703/703			
575-3-60	HIGH	NONE	-	-	67.1	80	72	321	321	67.1	80	72	321	69.3	80	74	323	323	69.3	80	74	323	323		
		282A00	25.0	30.1	67.1	80	72	321	321	67.1	80	72	321	69.3	80	74	323	323	69.3	80	74	323	323		
		283A00	50.0	60.1	85.8	90	93	321	321	85.8	90	93	321	88.6	90	95	323	323	88.6	90	95	323	323		
		284A00	75.0	90.2	115.9	125	127	321	321	115.9	125	127	321	118.7	125	130	323	323	118.7	125	130	323	323		
		NONE	-	-	69.3	80	74	319	319	69.3	80	74	319	71.5	90	77	321	321	71.5	90	77	321	321		
		282A00	25.0	30.1	69.3	80	74	319	319	69.3	80	74	319	71.5	90	77	321	321	71.5	90	77	321	321		
		283A00	50.0	60.1	88.6	90	95	319	319	88.6	90	95	319	91.3	100	98	321	321	91.3	100	98	321	321		
		284A00	75.0	90.2	118.7	125	130	319	319	118.7	125	130	319	121.4	125	132	321	321	121.4	125	132	321	321		
		NONE	-	-	75.0	90	81	359	359	75.0	90	81	359	359	77.2	90	83	361	361	77.2	90	83	361	361	
		282A00	25.0	30.1	75.0	90	81	359	359	75.0	90	81	359	359	77.2	90	83	361	361	77.2	90	83	361	361	
283A00	50.0	60.1	95.7	100	102	359	359	95.7	100	102	359	359	98.4	100	104	361	361	98.4	100	104	361	361			
284A00	75.0	90.2	125.8	150	136	359	359	125.8	150	136	359	359	128.5	150	139	361	361	128.5	150	139	361	361			
575-3-60	STD	NONE	-	-	54.5	60	58	243	243	54.5	60	58	243	56.2	60	60	245	245	56.2	60	60	245	245		
		285A00	24.8	23.9	54.6	60	58	243	243	54.6	60	58	243	56.7	60	60	245	245	56.7	60	60	245	245		
		286A00	49.6	47.7	84.3	90	78	243	243	84.3	90	78	243	86.5	90	80	245	245	86.5	90	80	245	245		
		287A00	74.4	71.6	96.3	100	105	243	243	96.3	100	105	243	98.4	100	107	245	245	98.4	100	107	245	245		
		NONE	-	-	56.5	70	61	241	241	56.5	70	61	241	58.2	70	63	243	243	58.2	70	63	243	243		
		285A00	24.8	23.9	57.1	70	61	241	241	57.1	70	61	241	59.2	70	63	243	243	59.2	70	63	243	243		
		286A00	49.6	47.7	86.8	90	80	241	241	86.8	90	80	241	89.0	90	82	243	243	89.0	90	82	243	243		
		287A00	74.4	71.6	98.8	100	107	241	241	98.8	100	107	241	100.9	110	109	243	243	100.9	110	109	243	243		
		NONE	-	-	58.4	70	63	268	268	58.4	70	63	268	60.1	70	65	270	270	60.1	70	65	270	270		
		285A00	24.8	23.9	59.5	70	63	268	268	59.5	70	63	268	61.6	70	65	270	270	61.6	70	65	270	270		
286A00	49.6	47.7	89.2	90	82	268	268	89.2	90	82	268	91.3	100	84	270	270	91.3	100	84	270	270				
287A00	74.4	71.6	101.2	110	110	268	268	101.2	110	110	268	103.3	110	112	270	270	103.3	110	112	270	270				

See: "Legend and Notes for Tables 1 - 8" on page 23.

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

UNIT	NO M. V-PH-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.												w/ PWRD C.O.					
			CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/o Economizer		
						MCA	HACR BRKR	FLA	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	FLA	DISC. SIZE	MCA	HACR BRKR	FLA
50hc**17	208/230-3-60	STD	NONE	-	-	85.4/85.4	100/100	91/91	425	433	100/100	100/100	90.2/90.2	100/100	96/96	430	110/110	97.9/97.9	110/110	105/105	438	438/438	
			279A00	18.8/25.0	52.1/60.1	105.8/105.8	110/110	91/97	425/425	433/433	125/125	125/125	111.8/111.8	125/125	96/103	430/430	125/125	121.4/121.4	125/125	105/112	438/438		
			280A00	37.6/50.0	104.2/120.3	161.0/161.0	175/175	148/167	425/425	433/433	175/175	175/175	167.0/167.0	175/175	154/172	430/430	200/200	176.7/176.7	200/200	163/181	438/438		
			281A00	56.3/75.0	156.4/180.4	211.0/211.0	225/225	208/236	425/425	433/433	225/225	217/245	217.0/217.0	225/225	214/241	430/430	250/250	226.7/226.7	250/250	223/250	438/438		
			NONE	-	-	87.6	100	93	439	447	110	102	92.4	100	99	444	100.1	108	100.1	108	452	452/452	
			279A00	18.8/25.0	52.1/60.1	108.6/108.6	110/110	93/100	439/439	447/447	125/125	102/109	114.6/114.6	125/125	99/105	444/444	124.3/124.3	108/114	124.3/124.3	108/114	452/452		
		MED	280A00	37.6/50.0	104.2/120.3	163.8/163.8	175/175	151/169	439/439	447/447	175/175	160/178	169.8/169.8	175/175	156/175	444/444	179.4/179.4	165/184	179.4/179.4	165/184	452/452		
			281A00	56.3/75.0	156.4/180.4	213.9/213.9	225/225	211/238	439/439	447/447	225/250	220/247	219.9/219.9	225/250	216/244	444/444	229.6/229.6	225/253	229.6/229.6	225/253	452/452		
			NONE	-	-	90.6/90.6	100/100	97/96	441	449	110/110	106/105	95.4/95.4	110/110	102/101	446	103.1/103.1	111/110	103.1/103.1	111/110	454	454/454	
			279A00	18.8/25.0	52.1/60.1	111.3/111.3	125/125	97/102	441/441	449/449	125/125	106/111	117.3/117.3	125/125	102/108	446/446	126.9/126.9	111/117	126.9/126.9	111/117	454/454		
			280A00	37.6/50.0	104.2/120.3	167.5/167.5	175/175	154/172	441/441	449/449	200/200	163/180	173.5/173.5	175/175	160/177	446/446	183.2/183.2	169/186	183.2/183.2	169/186	454/454		
			281A00	56.3/75.0	156.4/180.4	216.5/216.5	225/250	214/241	441/441	449/449	225/250	223/250	222.5/222.5	225/250	220/246	446/446	232.2/232.2	229/255	232.2/232.2	229/255	454/454		
50hc**17	208/230-3-60	STD	NONE	-	-	43.0	50	46	249	253	50	50	45.2	50	48	251	60	48.5	60	52	255	255/255	
			282A00	25.0	30.1	52.0	60	48	249	253	60	52	54.8	60	50	251	58.9	60	54	255	255/255		
			283A00	50.0	60.1	74.5	80	82	249	253	80	86	77.2	80	85	251	81.4	90	89	255	255/255		
			284A00	75.0	90.2	104.6	110	117	249	253	125	121	107.3	110	119	251	111.5	125	123	255	255/255		
			NONE	-	-	44.1	50	47	256	260	60	51	47.4	60	50	258	49.6	60	53	262	262/262		
			282A00	25.0	30.1	53.4	60	49	256	260	60	53	57.5	60	52	258	60.3	70	55	262	262/262		
		MED	283A00	50.0	60.1	75.9	80	84	256	260	80	87	78.6	80	86	258	82.7	90	90	262	262/262		
			284A00	75.0	90.2	106.0	110	118	256	260	125	122	108.7	125	122	260	112.8	125	125	262	262/262		
			NONE	-	-	45.2	50	48	257	261	60	52	47.4	60	51	259	50.7	60	55	263	263/263		
			282A00	25.0	30.1	54.8	60	50	257	261	60	54	57.5	60	53	259	61.6	70	57	263	263/263		
			283A00	50.0	60.1	77.2	80	85	257	261	90	89	80.0	80	87	259	84.1	90	91	263	263/263		
			284A00	75.0	90.2	107.3	125	119	257	261	125	123	110.1	125	122	259	114.2	125	126	263	263/263		
575-3-60	208/230-3-60	STD	NONE	-	-	33.5	40	36	191	195	45	40	35.2	40	38	193	45	38.5	45	42	197	197/197	
			285A00	24.8	23.9	42.5	45	39	191	195	50	43	44.6	45	41	193	48.8	50	45	197	197/197		
			286A00	49.6	47.7	72.3	80	66	191	195	80	70	74.4	80	68	193	78.5	80	72	197	197/197		
			287A00	74.4	71.6	84.2	90	94	191	195	90	98	86.4	90	96	193	90.5	100	100	197	197/197		
			NONE	-	-	33.5	40	36	191	195	45	40	35.2	40	38	193	38.5	45	42	197	197/197		
			285A00	24.8	23.9	42.5	45	39	191	195	50	43	44.6	45	41	193	48.8	50	45	197	197/197		
		MED	286A00	49.6	47.7	72.3	80	66	191	195	80	70	74.4	80	68	193	78.5	80	72	197	197/197		
			287A00	74.4	71.6	84.2	90	94	191	195	90	98	86.4	90	96	193	90.5	100	100	197	197/197		
			NONE	-	-	36.3	45	39	205	209	45	43	38.0	45	41	207	41.3	50	45	211	211/211		
			285A00	24.8	23.9	46.0	50	42	205	209	60	46	48.1	50	44	207	52.3	60	48	211	211/211		
			286A00	49.6	47.7	75.8	80	70	205	209	80	73	77.9	80	72	207	82.0	90	75	211	211/211		
			287A00	74.4	71.6	87.7	90	97	205	209	100	101	89.9	90	99	207	94.0	100	103	211	211/211		

See: Legend and Notes for Tables 1 – 8 * on page 23.

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

UNIT	NO M. V-PH-HZ	IFM TYPE	ELEC. HTR				NO C.O. or UNPWR C.O.												w/ PWRD C.O.						
			CRHEATER**A00	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
						MCA	HACR BRKR	FLA	LRA	DISC. SIZE	MCA	HACR BRKR	FLA	LRA	DISC. SIZE	MCA	HACR BRKR			FLA	LRA			DISC. SIZE	FLA
50hc**20	208/230-3-60	STD	NONE	-	-	92.3	100	98	469	100.0	125	107	477	97.1	110	104	474	104.8	125	113	482	125	113	482	482
			279A00	18.8/25.0	52.1/60.1	108.6/108.6	110/110	98/100	469/469	118.3/118.3	125/125	107/109	477/477	114.6/114.6	125/125	104/105	474/474	124.3/124.3	125/125	113/114	482/482	125/125	113/114	482/482	482
			280A00	37.6/50.0	104.2/120.3	163.8/163.8	175/175	151/169	469/469	173.4/173.4	175/175	160/178	477/477	169.8/169.8	175/175	156/175	474/474	179.4/179.4	200/200	165/164	482/482	200/200	165/164	482/482	482
			281A00	56.3/75.0	156.4/180.4	213.9/213.9	225/225	211/238	469/469	223.6/223.6	225/250	220/247	477/477	219.9/219.9	225/250	216/244	474/474	229.6/229.6	250/250	225/253	482/482	250/250	225/253	482/482	482
			NONE	-	-	95.3/95.3	110/110	102/101	471	103.0/103.0	125/125	111/110	479	100.1/100.1	125/125	107/106	476	107.8/107.8	125/125	116/115	484	125/125	116/115	484	484
			279A00	18.8/25.0	52.1/60.1	111.3/111.3	125/125	102/102	471/471	120.9/120.9	125/125	111/111	479/479	117.3/117.3	125/125	107/108	476/476	126.9/126.9	150/150	116/117	484/484	150/150	116/117	484/484	484
			280A00	37.6/50.0	104.2/120.3	167.5/167.5	175/175	154/172	471/471	177.2/177.2	200/200	163/180	479/479	173.5/173.5	175/175	160/177	476/476	183.2/183.2	200/200	169/166	484/484	200/200	169/166	484/484	484
			281A00	56.3/75.0	156.4/180.4	216.5/216.5	225/250	214/241	471/471	226.2/226.2	250/250	223/250	479/479	222.5/222.5	225/250	220/246	476/476	232.2/232.2	250/250	229/255	484/484	250/250	229/255	484/484	484
208/230-3-60	HIGH	NONE	-	-	98.8	125	106	467	106.5	125	115	475	103.6	125	111	472	111.3	125	120	480	125	120	480	480	
		279A00	18.8/25.0	52.1/60.1	116.8/116.8	125/125	106/107	467/467	126.4/126.4	150/150	115/116	475/475	122.8/122.8	125/125	111/113	472/472	132.4/132.4	150/150	120/122	480/480	150/150	120/122	480/480	480	
		280A00	37.6/50.0	104.2/120.3	171.9/171.9	175/175	158/177	467/467	181.6/181.6	200/200	167/186	475/475	177.9/177.9	200/200	164/182	472/472	187.6/187.6	200/200	173/191	480/480	200/200	173/191	480/480	480	
		281A00	56.3/75.0	156.4/180.4	222.0/222.0	225/250	218/246	467/467	231.7/231.7	250/250	227/255	475/475	228.0/228.0	250/250	224/251	472/472	237.7/237.7	250/250	233/260	480/480	250/250	233/260	480/480	480	
		NONE	-	-	44.4	50	47	258	47.7	60	51	262	46.6	60	50	260	49.9	60	54	264	60	54	264	264	
		282A00	25.0	30.1	53.4	60	49	258	57.5	60	53	262	56.1	60	52	260	60.3	70	55	264	70	55	264	264	
		283A00	50.0	60.1	75.9	80	84	258	80.0	80	87	262	78.6	80	86	260	82.7	90	90	264	90	90	264	264	
		284A00	75.0	90.2	106.0	110	118	258	110.1	125	122	262	108.7	125	121	260	112.8	125	125	264	125	125	264	264	
208/230-3-60	MED	NONE	-	-	45.5	50	49	259	48.8	60	52	263	47.7	60	51	261	51.0	60	55	265	60	55	265	265	
		282A00	25.0	30.1	54.8	60	50	259	58.9	60	54	263	57.5	60	53	261	61.6	70	57	265	70	57	265	265	
		283A00	50.0	60.1	77.2	80	85	259	81.4	90	89	263	80.0	80	87	261	84.1	90	91	265	90	91	265	265	
		284A00	75.0	90.2	107.3	125	119	259	111.5	125	123	263	110.1	125	122	261	114.2	125	126	265	125	126	265	265	
		NONE	-	-	47.7	60	51	257	51.0	60	55	261	49.9	60	54	259	53.2	60	58	263	60	58	263	263	
		282A00	25.0	30.1	57.5	60	53	257	61.6	70	57	261	60.3	70	55	259	64.4	70	59	263	70	59	263	263	
		283A00	50.0	60.1	80.0	90	87	257	84.1	90	91	261	82.7	90	90	259	86.9	90	94	263	90	94	263	263	
		284A00	75.0	90.2	110.1	125	122	257	114.2	125	126	261	112.8	125	125	259	117.0	125	128	263	125	128	263	263	
575-3-60	STD	NONE	-	-	33.5	40	36	193	36.8	45	40	197	35.2	40	38	195	38.5	45	42	199	45	42	199	199	
		285A00	24.8	23.9	42.5	45	39	193	46.6	50	43	197	44.6	45	41	195	48.8	50	45	199	50	45	199	199	
		286A00	49.6	47.7	72.3	80	66	193	76.4	80	70	197	74.4	80	68	195	78.5	80	72	199	80	72	199	199	
		287A00	74.4	71.6	84.2	90	94	193	88.4	90	98	197	86.4	90	96	195	90.5	100	100	199	100	100	199	199	
		NONE	-	-	36.3	45	39	207	39.6	45	43	211	38.0	45	41	209	41.3	50	45	213	50	45	213	213	
		285A00	24.8	23.9	46.0	50	42	207	50.1	60	46	211	48.1	60	44	209	52.3	60	48	213	60	48	213	213	
		286A00	49.6	47.7	75.8	80	70	207	79.9	80	73	211	77.9	80	72	209	82.0	90	75	213	90	75	213	213	
		287A00	74.4	71.6	87.7	90	97	207	91.9	100	101	211	89.9	90	99	209	94.0	100	103	213	100	103	213	213	
575-3-60	HIGH	NONE	-	-	38.3	45	41	205	41.6	50	45	209	40.0	45	43	207	43.3	50	47	211	50	47	211	211	
		285A00	24.8	23.9	48.5	50	45	205	52.6	60	48	209	50.6	60	47	207	54.8	60	50	211	60	50	211	211	
		286A00	49.6	47.7	78.3	80	72	205	82.4	90	76	209	80.4	90	74	207	84.5	90	78	211	90	78	211	211	
		287A00	74.4	71.6	90.2	100	99	205	94.4	100	103	209	92.4	100	101	207	96.5	100	105	211	100	105	211	211	

See: "Legend and Notes for Tables 1 - 8" on page 23.

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

UNIT	NO M. V-PH-HZ	IFM TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.										w/ PWRD C.O.												
			CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer		w/ ERV, w/ Economizer		w/ ERV, w/o Economizer		w/ ERV, w/ Economizer		w/ ERV, w/o Economizer		w/ ERV, w/ Economizer		w/ ERV, w/o Economizer		w/ ERV, w/ Economizer							
					MCA	HACR BRKR	FLA	LRA	MCA	HACR BRKR	FLA	LRA	MCA	HACR BRKR	FLA	LRA	MCA	HACR BRKR	FLA	LRA	MCA	HACR BRKR	FLA	LRA	DISC. SIZE	LRA	
50HC**24	208/230-3-60	STD	NONE	-	-	119.6/119.6	150/150	129/128	583	119.6/119.6	150/150	129/128	583	124.4/124.4	150/150	134/133	588	124.4/124.4	150/150	134/133	588	124.4/124.4	150/150	134/133	588	134/133	588
			279A00	18.8/25.0	52.1/60.1	131.4/131.4	150/150	129/128	583/583	131.4/131.4	150/150	129/128	583/583	137.4/137.4	150/150	134/133	588/588	137.4/137.4	150/150	134/133	588/588	137.4/137.4	150/150	134/133	588/588	134/133	588/588
			280A00	37.6/50.0	104.2/120.3	187.7/187.7	200/200	173/190	583/583	187.7/187.7	200/200	173/190	583/583	193.7/193.7	200/200	178/196	588/588	193.7/193.7	200/200	178/196	588/588	193.7/193.7	200/200	178/196	588/588	178/196	588/588
			281A00	56.3/75.0	156.4/180.4	236.7/236.7	250/250	233/259	583/583	236.7/236.7	250/250	233/259	583/583	242.7/242.7	250/250	238/265	588/588	242.7/242.7	250/250	238/265	588/588	242.7/242.7	250/250	238/265	588/588	238/265	588/588
50HC**24	208/230-3-60	MED	NONE	-	-	123.1	150	133	579	123.1	150	133	579	127.9	150	138	584	127.9	150	138	584	127.9	150	138	584	138	584
			279A00	18.8/25.0	52.1/60.1	136.9/136.9	150/150	133/133	579/579	136.9/136.9	150/150	133/133	579/579	142.9/142.9	150/150	138/138	584/584	142.9/142.9	150/150	138/138	584/584	142.9/142.9	150/150	138/138	584/584	138/138	584/584
			280A00	37.6/50.0	104.2/120.3	192.0/192.0	200/200	177/195	579/579	192.0/192.0	200/200	177/195	579/579	198.0/198.0	200/200	182/201	584/584	198.0/198.0	200/200	182/201	584/584	198.0/198.0	200/200	182/201	584/584	182/201	584/584
			281A00	56.3/75.0	156.4/180.4	242.2/242.2	250/250	237/264	579/579	242.2/242.2	250/250	237/264	579/579	248.2/248.2	250/250	242/270	584/584	248.2/248.2	250/250	242/270	584/584	248.2/248.2	250/250	242/270	584/584	242/270	584/584
50HC**24	208/230-3-60	HIGH	NONE	-	-	134.5	150	146	658	134.5	150	146	658	139.3	150	152	663	139.3	150	152	663	139.3	150	152	663	152	663
			279A00	18.8/25.0	52.1/60.1	151.2/151.2	175/175	146/146	658/658	151.2/151.2	175/175	146/146	658/658	157.2/157.2	175/175	152/152	663/663	157.2/157.2	175/175	152/152	663/663	157.2/157.2	175/175	152/152	663/663	152/152	663/663
			280A00	37.6/50.0	104.2/120.3	206.3/206.3	225/225	190/208	658/658	206.3/206.3	225/225	190/208	658/658	212.3/212.3	225/225	195/214	663/663	212.3/212.3	225/225	195/214	663/663	212.3/212.3	225/225	195/214	663/663	195/214	663/663
			281A00	56.3/75.0	156.4/180.4	256.4/256.4	300/300	250/277	658/658	256.4/256.4	300/300	250/277	658/658	262.4/262.4	300/300	255/283	663/663	262.4/262.4	300/300	255/283	663/663	262.4/262.4	300/300	255/283	663/663	255/283	663/663
50HC**24	208/230-3-60	STD	NONE	-	-	61.7	70	66	295	61.7	70	66	295	63.9	80	69	293	63.9	80	69	293	63.9	80	69	293	69	297
			282A00	25.0	30.1	63.3	70	66	295	63.3	70	66	295	66.1	80	69	293	66.1	80	69	293	66.1	80	69	293	69	297
			283A00	50.0	60.1	85.8	90	93	295	85.8	90	93	295	88.6	90	95	297	88.6	90	95	297	88.6	90	95	297	95	297
			284A00	75.0	90.2	115.9	125	127	295	115.9	125	127	295	118.7	125	130	293	118.7	125	130	293	118.7	125	130	293	130	297
50HC**24	208/230-3-60	MED	NONE	-	-	63.9	80	69	293	63.9	80	69	293	66.1	80	71	295	66.1	80	71	295	66.1	80	71	295	71	295
			282A00	25.0	30.1	66.1	80	69	293	66.1	80	69	293	68.8	80	71	295	68.8	80	71	295	68.8	80	71	295	71	295
			283A00	50.0	60.1	88.6	90	95	293	88.6	90	95	293	91.3	100	98	295	91.3	100	98	295	91.3	100	98	295	98	295
			284A00	75.0	90.2	118.7	125	130	293	118.7	125	130	293	121.4	125	132	295	121.4	125	132	295	121.4	125	132	295	132	295
50HC**24	208/230-3-60	HIGH	NONE	-	-	69.6	80	75	333	69.6	80	75	333	71.8	80	78	335	71.8	80	78	335	71.8	80	78	335	78	335
			282A00	25.0	30.1	73.2	80	75	333	73.2	80	75	333	76.0	80	78	335	76.0	80	78	335	76.0	80	78	335	78	335
			283A00	50.0	60.1	95.7	100	102	333	95.7	100	102	333	98.4	100	104	335	98.4	100	104	335	98.4	100	104	335	104	335
			284A00	75.0	90.2	125.8	150	136	333	125.8	150	136	333	128.5	150	139	335	128.5	150	139	335	128.5	150	139	335	139	335
575-3-60	208/230-3-60	STD	NONE	-	-	49.6	60	54	219	49.6	60	54	219	51.3	60	55	221	51.3	60	55	221	51.3	60	55	221	55	221
			285A00	24.8	23.9	54.6	60	54	219	54.6	60	54	219	56.7	60	55	221	56.7	60	55	221	56.7	60	55	221	55	221
			286A00	49.6	47.7	84.3	90	78	219	84.3	90	78	219	86.5	90	80	221	86.5	90	80	221	86.5	90	80	221	80	221
			287A00	74.4	71.6	96.3	100	105	219	96.3	100	105	219	98.4	100	107	221	98.4	100	107	221	98.4	100	107	221	107	221
575-3-60	208/230-3-60	MED	NONE	-	-	51.6	60	56	217	51.6	60	56	217	53.3	60	58	219	53.3	60	58	219	53.3	60	58	219	58	219
			285A00	24.8	23.9	57.1	60	56	217	57.1	60	56	217	59.2	60	58	219	59.2	60	58	219	59.2	60	58	219	58	219
			286A00	49.6	47.7	86.8	90	80	217	86.8	90	80	217	89.0	90	82	219	89.0	90	82	219	89.0	90	82	219	82	219
			287A00	74.4	71.6	98.8	100	107	217	98.8	100	107	217	100.9	110	109	219	100.9	110	109	219	100.9	110	109	219	109	219
575-3-60	208/230-3-60	HIGH	NONE	-	-	53.5	60	58	244	53.5	60	58	244	55.2	60	60	246	55.2	60	60	246	55.2	60	60	246	60	246
			285A00	24.8	23.9	59.5	60	58	244	59.5	60	58	244	61.6	60	60	246	61.6	60	60	246	61.6	60	60	246	60	246
			286A00	49.6	47.7	89.2	90	82	244	89.2	90	82	244	91.3	100	84	246	91.3	100	84	246	91.3	100	84	246	84	246
			287A00	74.4	71.6	101.2	110	110	244	101.2	110	110	244	103.3	110	112	246	103.3	110	112	246	103.3	110	112	246	112	246

See: "Legend and Notes for Tables 1 - 8" on page 23.

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

UNIT	NO M. V.-Ph-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.																		
		IFM TYPE	CRHEATER**A00	Nom (kW)	FLA	w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer						
MCA	HACR BRKR					FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	
	STD	NONE	18.8/25.0	—	—	157/156	623	148.3/148.3	175/175	157/156	623	153.1/153.1	200/200	162/161	628	153.1/153.1	200/200	162/161	628	153.1/153.1	200/200	162/161	628	
			279A00	18.8/25.0	52.1/60.1	—	157/156	623/623	148.3/148.3	175/175	157/156	623/623	153.1/153.1	200/200	162/161	628/628	153.1/153.1	200/200	162/161	628/628	153.1/153.1	200/200	162/161	628/628
			280A00	37.6/50.0	104.2/120.3	—	173/190	623/623	187.7/187.7	200/200	173/190	623/623	193.7/193.7	200/200	178/196	628/628	193.7/193.7	200/200	178/196	628/628	193.7/193.7	200/200	178/196	628/628
			281A00	56.3/75.0	156.4/180.4	—	233/259	623/623	236.7/236.7	250/250	233/259	623/623	242.7/242.7	250/250	238/265	628/628	242.7/242.7	250/250	238/265	628/628	242.7/242.7	250/250	238/265	628/628
	MED	NONE	18.8/25.0	—	—	161	619	151.8	175	161	619	156.6	200	166	624	156.6	200	166	624	156.6	200	166	624	
			279A00	18.8/25.0	52.1/60.1	—	161/161	619/619	151.8/151.8	175/175	161/161	619/619	156.6/156.6	200/200	166/166	624/624	156.6/156.6	200/200	166/166	624/624	156.6/156.6	200/200	166/166	624/624
			280A00	37.6/50.0	104.2/120.3	—	177/195	619/619	192.0/192.0	200/200	177/195	619/619	198.0/198.0	200/200	182/201	624/624	198.0/198.0	200/200	182/201	624/624	198.0/198.0	200/200	182/201	624/624
			281A00	56.3/75.0	156.4/180.4	—	237/264	619/619	242.2/242.2	250/250	237/264	619/619	248.2/248.2	250/250	242/270	624/624	248.2/248.2	250/250	242/270	624/624	248.2/248.2	250/250	242/270	624/624
	HIGH	NONE	18.8/25.0	—	—	174	698	163.2	200	174	698	168.0	200	179	703	168.0	200	179	703	168.0	200	179	703	
			279A00	18.8/25.0	52.1/60.1	—	174/174	698/698	163.2/163.2	200/200	174/174	698/698	168.0/168.0	200/200	179/179	703/703	168.0/168.0	200/200	179/179	703/703	168.0/168.0	200/200	179/179	703/703
			280A00	37.6/50.0	104.2/120.3	—	190/208	698/698	206.3/206.3	225/225	190/208	698/698	212.3/212.3	225/225	195/214	703/703	212.3/212.3	225/225	195/214	703/703	212.3/212.3	225/225	195/214	703/703
			281A00	56.3/75.0	156.4/180.4	—	250/277	698/698	256.4/256.4	300/300	250/277	698/698	262.4/262.4	300/300	255/283	703/703	262.4/262.4	300/300	255/283	703/703	262.4/262.4	300/300	255/283	703/703
50HC**28	208/230 - 3 - 60	NONE	25.0	—	—	72	321	67.1	80	72	321	69.3	80	74	321	69.3	80	74	321	69.3	80	74		
			282A00	25.0	30.1	—	72	321	67.1	80	72	321	69.3	80	74	321	69.3	80	74	321	69.3	80	74	
			283A00	50.0	60.1	—	93	321	85.8	90	93	321	88.6	90	95	323	88.6	90	95	323	88.6	90	95	
			284A00	75.0	90.2	—	127	321	115.9	125	127	321	118.7	125	130	323	118.7	125	130	323	118.7	125	130	
	MED	NONE	25.0	—	—	74	319	69.3	80	74	319	71.5	90	77	321	71.5	90	77	321	71.5	90	77		
			282A00	25.0	30.1	—	74	319	69.3	80	74	319	71.5	90	77	321	71.5	90	77	321	71.5	90	77	
			283A00	50.0	60.1	—	95	319	88.6	90	95	319	91.3	100	98	321	91.3	100	98	321	91.3	100	98	
			284A00	75.0	90.2	—	130	319	118.7	125	130	319	121.4	125	132	321	121.4	125	132	321	121.4	125	132	
	HIGH	NONE	25.0	—	—	81	359	75.0	90	81	359	77.2	90	83	361	77.2	90	83	361	77.2	90	83		
			282A00	25.0	30.1	—	81	359	75.0	90	81	359	77.2	90	83	361	77.2	90	83	361	77.2	90	83	
			283A00	50.0	60.1	—	102	359	95.7	100	102	359	98.4	100	104	361	98.4	100	104	361	98.4	100	104	
			284A00	75.0	90.2	—	136	359	125.8	150	136	359	128.5	150	139	361	128.5	150	139	361	128.5	150	139	
	STD	NONE	24.8	—	—	58	243	54.5	60	58	243	56.2	60	60	245	56.2	60	60	245	56.2	60	60		
			285A00	24.8	23.9	—	58	243	54.6	60	58	243	56.7	60	60	245	56.7	60	60	245	56.7	60	60	
			286A00	49.6	47.7	—	78	243	84.3	90	78	243	86.5	90	80	245	86.5	90	80	245	86.5	90	80	
			287A00	74.4	71.6	—	105	243	96.3	100	105	243	98.4	100	107	245	98.4	100	107	245	98.4	100	107	
	MED	NONE	24.8	—	—	61	241	56.5	70	61	241	58.2	70	63	243	58.2	70	63	243	58.2	70	63		
			285A00	24.8	23.9	—	61	241	57.1	70	61	241	59.2	70	63	243	59.2	70	63	243	59.2	70	63	
			286A00	49.6	47.7	—	80	241	86.8	90	80	241	89.0	90	82	243	89.0	90	82	243	89.0	90	82	
			287A00	74.4	71.6	—	107	241	98.8	100	107	241	100.9	110	109	243	100.9	110	109	243	100.9	110	109	
	HIGH	NONE	24.8	—	—	63	268	58.4	70	63	268	60.1	70	65	270	60.1	70	65	270	60.1	70	65		
			285A00	24.8	23.9	—	63	268	59.5	70	63	268	61.6	70	65	270	61.6	70	65	270	61.6	70	65	
			286A00	49.6	47.7	—	82	268	89.2	90	82	268	91.3	100	84	270	91.3	100	84	270	91.3	100	84	
			287A00	74.4	71.6	—	110	268	101.2	110	110	268	103.3	110	112	270	103.3	110	112	270	103.3	110	112	

See: "Legend and Notes for Tables 1 - 8 " on page 23

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

UNIT	NO M. V-PH-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.																
			CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer							
						MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA					
50hc**17	208/230-3-60	STD	NONE	-	-	85.6/84.8	100/100	91/90	406	93.3/92.5	100/100	100/99	414	90.4/89.6	100/100	97/96	411	98.1/97.3	110/110	106/105	419	
			279A00	18.8/25.0	52.1/60.1	96.1/105.1	100/110	91/97	406/406	105.8/114.8	110/125	100/106	414/414	102.1/111.1	110/125	97/102	411/411	111.8/120.8	125/125	106/111	419/419	
			280A00	37.6/50.0	104.2/120.3	161.3/150.3	175/175	149/166	406/406	170.9/160.0	175/175	157/175	414/414	167.3/156.3	175/175	154/171	411/411	176.9/166.0	200/175	163/180	419/419	
			281A00	56.3/75.0	156.4/180.4	187.4/210.4	200/225	208/235	406/406	197.1/220.1	200/225	217/244	414/414	193.4/216.4	200/225	214/241	411/411	203.1/226.1	225/250	223/249	419/419	
		MED	NONE	-	-	87.8/86.8	100/100	94/93	430	95.5/94.5	110/110	103/101	438	92.6/91.6	100/100	99/98	435	100.3/99.3	125/110	108/107	443	
			279A00	18.8/25.0	52.1/60.1	98.9/107.6	100/110	94/99	430/430	108.6/117.3	110/125	103/108	438/438	104.9/113.6	110/125	99/105	435/435	114.6/123.3	125/125	108/113	443/443	
			280A00	37.6/50.0	104.2/120.3	164.0/152.8	175/175	151/168	430/430	173.7/162.5	175/175	160/177	438/438	170.0/158.8	175/175	156/174	435/435	179.7/168.5	200/175	165/183	443/443	
			281A00	56.3/75.0	156.4/180.4	190.2/212.9	200/225	211/237	430/430	199.8/222.6	200/250	220/246	438/438	196.2/218.9	200/225	216/243	435/435	205.8/228.6	225/250	225/252	443/443	
		HIGH	NONE	-	-	90.6/89.7	100/100	97/96	441	98.3/97.4	110/110	106/105	449	95.4/94.5	110/110	102/101	446	103.1/102.2	125/125	111/110	454	
			279A00	18.8/25.0	52.1/60.1	102.4/111.3	110/125	97/102	441/441	112.1/120.9	125/125	106/111	449/449	108.4/117.3	110/125	102/108	446/446	118.1/126.9	125/150	111/117	454/454	
			280A00	37.6/50.0	104.2/120.3	167.5/156.4	175/175	154/172	441/441	177.2/166.1	200/175	163/180	449/449	173.5/162.4	175/175	160/177	446/446	183.2/172.1	200/175	169/186	454/454	
			281A00	56.3/75.0	156.4/180.4	193.7/216.5	200/250	214/241	441/441	203.3/226.2	225/250	223/250	449/449	199.7/222.5	200/250	220/246	446/446	209.3/232.2	225/250	229/255	454/454	
50hc**17	208/230-3-60	STD	NONE	-	-	42.6	50	45	240	45.9	50	49	244	44.8	50	48	242	48.1	60	52	246	
			282A00	25.0	30.1	51.5	60	47	240	55.6	60	51	244	54.3	60	50	242	58.4	60	54	246	
			283A00	50.0	60.1	74.0	80	82	240	78.1	80	86	244	76.7	80	84	242	80.9	90	88	246	
			284A00	75.0	90.2	104.1	110	116	240	108.2	110	120	244	106.8	110	119	242	111.0	125	123	246	
		MED	NONE	-	-	43.7	50	47	252	47.0	60	50	50	256	45.9	50	49	254	49.2	60	53	258
			282A00	25.0	30.1	52.9	60	49	252	57.0	60	52	256	55.6	60	51	254	59.8	60	55	258	
			283A00	50.0	60.1	75.4	80	83	252	79.5	80	87	256	78.1	80	86	254	82.2	90	89	258	
			284A00	75.0	90.2	105.5	110	118	252	109.6	125	122	256	108.2	125	120	254	112.3	125	124	258	
		HIGH	NONE	-	-	45.2	50	48	257	48.5	60	52	261	47.4	60	51	259	50.7	60	55	263	
			282A00	25.0	30.1	54.8	60	50	257	58.9	60	54	261	57.5	60	53	259	61.6	70	57	263	
			283A00	50.0	60.1	77.2	80	85	257	81.4	90	89	261	80.0	80	87	259	84.1	90	91	263	
			284A00	75.0	90.2	107.3	125	119	257	111.5	125	123	261	110.1	125	122	259	114.2	125	126	263	
575-3-60	208/230-3-60	STD	NONE	-	-	35.2	40	38	191	38.5	45	42	195	36.9	45	40	193	40.2	45	43	197	
			285A00	24.8	23.9	44.6	45	41	191	48.8	50	45	195	46.8	50	43	193	50.9	60	47	197	
			286A00	49.6	47.7	74.4	80	68	191	78.5	80	72	195	76.5	80	70	193	80.6	90	74	197	
			287A00	74.4	71.6	86.4	90	96	191	90.5	100	100	195	88.5	90	98	193	92.6	100	102	197	
		MED	NONE	-	-	35.2	40	38	191	38.5	45	42	195	36.9	45	40	193	40.2	45	43	197	
			285A00	24.8	23.9	44.6	45	41	191	48.8	50	45	195	46.8	50	43	193	50.9	60	47	197	
			286A00	49.6	47.7	74.4	80	68	191	78.5	80	72	195	76.5	80	70	193	80.6	90	74	197	
			287A00	74.4	71.6	86.4	90	96	191	90.5	100	100	195	88.5	90	98	193	92.6	100	102	197	
		HIGH	NONE	-	-	36.9	45	40	205	40.2	45	43	209	38.6	45	42	207	41.9	50	45	211	
			285A00	24.8	23.9	46.8	50	43	205	50.9	60	47	209	48.9	50	45	207	53.0	60	49	211	
			286A00	49.6	47.7	76.5	80	70	205	80.6	90	74	209	78.6	80	72	207	82.8	90	76	211	
			287A00	74.4	71.6	88.5	90	98	205	92.6	100	102	209	90.6	100	100	207	94.7	100	104	211	

See: "Legend and Notes for Tables 1 – 8" on page 23.

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

UNIT	NO M. V-PH-HZ	ELEC. HTR			NO C.O. or UNPWR C.O.										w/ PWRD C.O.									
		IFM TYPE	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer				
					MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA					
50hc**20	208/230-3-60	STD	NONE	-	-	92.5/91.5	100/100	98/97	460	102/99.2	100.2/99.2	125/125	107/106	468	97.3/96.3	110/110	104/103	465	105.0/104.0	125/125	113/112	473		
			279A00	18.8/25.0	52.1/60.1	98.9/107.6	100/110	98/99	460/460	107/108	108.6/117.3	108.6/117.3	125/125	107/108	468/468	104.9/113.6	110/125	104/105	465/465	114.6/123.3	125/125	113/113	473/473	
			280A00	37.6/50.0	104.2/120.3	164.0/152.8	175/175	151/168	460/460	160/177	173.7/162.5	170.0/158.8	175/175	160/177	468/468	170.0/158.8	175/175	156/174	465/465	179.7/168.5	200/175	165/163	473/473	
			281A00	56.3/75.0	156.4/180.4	190.2/212.9	200/225	211/237	460/460	220/246	199.8/222.6	199.8/222.6	200/250	220/246	468/468	196.2/218.9	200/225	216/243	465/465	209.3/232.2	225/250	229/255	473/473	
50hc**20	208/230-3-60	MED	NONE	-	-	95.3/94.4	110/110	102/101	471	103.0/102.1	103.0/102.1	125/125	111/110	479	100.1/99.2	125/125	107/106	476	107.8/106.9	125/125	116/115	484		
			279A00	18.8/25.0	52.1/60.1	102.4/111.3	110/125	102/102	471/471	112.1/120.9	112.1/120.9	125/125	111/111	479/479	108.4/117.3	125/125	107/108	476/476	118.1/126.9	125/150	116/117	484/484		
			280A00	37.6/50.0	104.2/120.3	167.5/156.4	175/175	154/172	471/471	177.2/166.1	177.2/166.1	200/175	163/180	479/479	173.5/162.4	175/175	160/177	476/476	183.2/172.1	200/175	169/166	484/484		
			281A00	56.3/75.0	156.4/180.4	193.7/216.5	200/250	214/241	471/471	203.3/226.2	203.3/226.2	225/250	223/250	479/479	199.7/222.5	200/250	220/246	476/476	209.3/232.2	225/250	229/255	484/484		
50hc**20	208/230-3-60	HIGH	NONE	-	-	98.8	125	106	467	106.5	106.5	125	115	475	103.6	125	111	472	111.3	125	120	480		
			279A00	18.8/25.0	52.1/60.1	106.8/116.8	125/125	106/107	467/467	116.4/126.4	116.4/126.4	125/150	115/116	475/475	112.8/122.8	125/125	111/113	472/472	122.4/132.4	125/150	120/122	480/480		
			280A00	37.6/50.0	104.2/120.3	171.9/161.9	175/175	158/177	467/467	181.6/171.6	181.6/171.6	200/175	167/186	475/475	177.9/167.9	200/175	164/182	472/472	187.6/177.6	200/200	173/191	480/480		
			281A00	56.3/75.0	156.4/180.4	198.0/222.0	200/250	218/246	467/467	207.7/231.7	207.7/231.7	225/250	227/255	475/475	204.0/228.0	225/250	224/251	472/472	213.7/237.7	225/250	233/260	480/480		
50hc**20	208/230-3-60	STD	NONE	-	-	44.0	50	47	254	47.3	47.3	60	51	258	46.2	50	49	256	49.5	60	53	260		
			282A00	25.0	30.1	52.9	60	49	254	57.0	57.0	60	52	258	55.6	60	51	256	59.8	60	55	260		
			283A00	50.0	60.1	75.4	80	83	254	79.5	79.5	80	87	258	78.1	80	86	256	82.2	90	89	260		
			284A00	75.0	90.2	105.5	110	118	254	109.6	109.6	125	122	258	108.2	125	120	256	112.3	125	124	260		
50hc**20	208/230-3-60	MED	NONE	-	-	45.5	50	49	259	48.8	48.8	60	52	263	47.7	60	51	261	51.0	60	55	265		
			282A00	25.0	30.1	54.8	60	50	259	58.9	58.9	60	54	263	57.5	60	53	261	61.6	70	57	265		
			283A00	50.0	60.1	77.2	80	85	259	81.4	81.4	90	89	263	80.0	90	87	261	84.1	90	91	265		
			284A00	75.0	90.2	107.3	125	119	259	111.5	111.5	125	123	263	110.1	125	122	261	114.2	125	126	265		
50hc**20	208/230-3-60	HIGH	NONE	-	-	47.7	60	51	257	51.0	51.0	60	55	261	49.9	60	54	259	53.2	60	58	263		
			282A00	25.0	30.1	57.5	60	53	257	61.6	61.6	70	57	261	60.3	70	55	259	64.4	70	59	263		
			283A00	50.0	60.1	80.0	90	87	257	84.1	84.1	90	91	261	82.7	90	90	259	86.9	90	94	263		
			284A00	75.0	90.2	110.1	125	122	257	114.2	114.2	125	126	261	112.8	125	125	259	117.0	125	128	263		
575-3-60	208/230-3-60	STD	NONE	-	-	35.2	40	38	193	38.5	38.5	45	42	197	36.9	45	40	195	40.2	45	43	199		
			285A00	24.8	23.9	44.6	45	41	193	48.8	48.8	50	45	197	46.8	50	43	195	50.9	60	47	199		
			286A00	49.6	47.7	74.4	80	68	193	78.5	78.5	80	72	197	76.5	80	70	195	80.6	90	74	199		
			287A00	74.4	71.6	86.4	90	96	193	90.5	90.5	100	100	197	88.5	90	98	195	92.6	100	102	199		
575-3-60	208/230-3-60	MED	NONE	-	-	36.9	45	40	207	40.2	40.2	45	43	211	38.6	45	42	209	41.9	50	45	213		
			285A00	24.8	23.9	46.8	50	43	207	50.9	50.9	60	47	211	48.9	50	45	209	53.0	60	49	213		
			286A00	49.6	47.7	76.5	80	70	207	80.6	80.6	90	74	211	78.6	80	72	209	82.8	90	76	213		
			287A00	74.4	71.6	88.5	90	98	207	92.6	92.6	100	102	211	90.6	100	100	209	94.7	100	104	213		
575-3-60	208/230-3-60	HIGH	NONE	-	-	38.3	45	41	205	41.6	41.6	50	45	209	40.0	45	43	207	43.3	50	47	211		
			285A00	24.8	23.9	48.5	50	45	205	52.6	52.6	60	48	209	50.6	60	47	207	54.8	60	50	211		
			286A00	49.6	47.7	78.3	80	72	205	82.4	82.4	90	76	209	80.4	90	74	207	84.5	90	78	211		
			287A00	74.4	71.6	90.2	100	99	205	94.4	94.4	100	103	209	92.4	100	101	207	96.5	100	105	211		

See: "Legend and Notes for Tables 1 - 8" on page 23

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

UNIT	NO M-V-PH-HZ	ELEC. HTR		NO C.O. or UNPWR C.O.										w/ PWRD C.O.									
				w/ ERV, w/o Economizer					w/ ERV, w/ Economizer					w/ ERV, w/o Economizer					w/ ERV, w/ Economizer				
				MCA	FUSE or HACR BRKR	FLA	DISC. SIZE		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
50hc**24	STD	NONE	-	119.6/118.7	150/150	129/128	583	119.6/118.7	150/150	129/128	583	124.4/123.5	150/150	134/133	588	124.4/123.5	150/150	134/133	588	124.4/123.5	150/150	134/133	588
				122.5/131.4	150/150	129/128	583/583	122.5/131.4	150/150	129/128	583/583	128.5/137.4	150/150	134/133	588/588	128.5/137.4	150/150	134/133	588/588	128.5/137.4	150/150	134/133	588/588
				187.7/176.6	200/200	173/190	583/583	187.7/176.6	200/200	173/190	583/583	193.7/182.6	200/200	178/196	588/588	193.7/182.6	200/200	178/196	588/588	193.7/182.6	200/200	178/196	588/588
				213.8/236.7	225/250	233/259	583/583	213.8/236.7	225/250	233/259	583/583	219.8/242.7	225/250	238/265	588/588	219.8/242.7	225/250	238/265	588/588	219.8/242.7	225/250	238/265	588/588
208/230-3-60	MED	NONE	-	123.1	150	133	579	123.1	150	133	579	127.9	150	138	584	127.9	150	138	584	127.9	150	138	584
				126.9/136.9	150/150	133/133	579/579	126.9/136.9	150/150	133/133	579/579	132.9/142.9	150/150	138/138	584/584	132.9/142.9	150/150	138/138	584/584	132.9/142.9	150/150	138/138	584/584
				192.0/182.1	200/200	177/195	579/579	192.0/182.1	200/200	177/195	579/579	198.0/188.1	200/200	182/201	584/584	198.0/188.1	200/200	182/201	584/584	198.0/188.1	200/200	182/201	584/584
				218.2/242.2	225/250	237/264	579/579	218.2/242.2	225/250	237/264	579/579	224.2/248.2	225/250	242/270	584/584	224.2/248.2	225/250	242/270	584/584	224.2/248.2	225/250	242/270	584/584
50hc**24	HIGH	NONE	-	134.5	150	146	658	134.5	150	146	658	139.3	150	152	663	139.3	150	152	663	139.3	150	152	663
				141.2/151.2	150/175	146/146	658/658	141.2/151.2	150/175	146/146	658/658	147.2/157.2	150/175	152/152	663/663	147.2/157.2	150/175	152/152	663/663	147.2/157.2	150/175	152/152	663/663
				206.3/196.3	225/200	190/208	658/658	206.3/196.3	225/200	190/208	658/658	212.3/202.3	225/225	195/214	663/663	212.3/202.3	225/225	195/214	663/663	212.3/202.3	225/225	195/214	663/663
				232.4/256.4	250/300	250/277	658/658	232.4/256.4	250/300	250/277	658/658	238.4/282.4	250/300	255/283	663/663	238.4/282.4	250/300	255/283	663/663	238.4/282.4	250/300	255/283	663/663
208/230-3-60	STD	NONE	-	61.7	70	66	295	61.7	70	66	295	63.9	80	69	297	63.9	80	69	297	63.9	80	69	297
				63.3	70	66	295	63.3	70	66	295	66.1	80	69	297	66.1	80	69	297	66.1	80	69	297
				85.8	90	93	295	85.8	90	93	295	88.6	90	95	297	88.6	90	95	297	88.6	90	95	297
				115.9	125	127	295	115.9	125	127	295	118.7	125	130	295	118.7	125	130	295	118.7	125	130	295
208/230-3-60	MED	NONE	-	63.9	80	69	293	63.9	80	69	293	66.1	80	71	295	66.1	80	71	295	66.1	80	71	295
				66.1	80	69	293	66.1	80	69	293	68.8	80	71	295	68.8	80	71	295	68.8	80	71	295
				88.6	90	95	293	88.6	90	95	293	91.3	100	98	295	91.3	100	98	295	91.3	100	98	295
				118.7	125	130	293	118.7	125	130	293	121.4	125	132	295	121.4	125	132	295	121.4	125	132	295
575-3-60	HIGH	NONE	-	69.6	80	75	333	69.6	80	75	333	71.8	80	78	335	71.8	80	78	335	71.8	80	78	335
				73.2	80	75	333	73.2	80	75	333	76.0	80	78	335	76.0	80	78	335	76.0	80	78	335
				95.7	100	102	333	95.7	100	102	333	98.4	100	104	335	98.4	100	104	335	98.4	100	104	335
				125.8	150	136	333	125.8	150	136	333	128.5	150	139	335	128.5	150	139	335	128.5	150	139	335
575-3-60	STD	NONE	-	50.2	60	54	219	50.2	60	54	219	51.9	60	56	221	51.9	60	56	221	51.9	60	56	221
				55.3	60	54	219	55.3	60	54	219	57.5	60	56	221	57.5	60	56	221	57.5	60	56	221
				85.1	90	78	219	85.1	90	78	219	87.2	90	80	221	87.2	90	80	221	87.2	90	80	221
				97.1	100	106	219	97.1	100	106	219	99.2	100	108	221	99.2	100	108	221	99.2	100	108	221
575-3-60	MED	NONE	-	51.6	60	56	217	51.6	60	56	217	53.3	60	58	219	53.3	60	58	219	53.3	60	58	219
				57.1	60	56	217	57.1	60	56	217	59.2	60	58	219	59.2	60	58	219	59.2	60	58	219
				86.8	90	80	217	86.8	90	80	217	89.0	90	82	219	89.0	90	82	219	89.0	90	82	219
				98.8	100	107	217	98.8	100	107	217	100.9	110	109	219	100.9	110	109	219	100.9	110	109	219
575-3-60	HIGH	NONE	-	53.5	60	58	244	53.5	60	58	244	55.2	60	60	246	55.2	60	60	246	55.2	60	60	246
				59.5	60	58	244	59.5	60	58	244	61.6	70	60	246	61.6	70	60	246	61.6	70	60	246
				89.2	90	82	244	89.2	90	82	244	91.3	100	84	246	91.3	100	84	246	91.3	100	84	246
				101.2	110	110	244	101.2	110	110	244	103.3	110	112	246	103.3	110	112	246	103.3	110	112	246

See: Legend and Notes for Tables 1 - 8 * on page 23.



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

UNIT	NO M. V-PH-HZ	IFM TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.															w/ PWRD C.O.													
			CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			MCA	FUSE or HACR BRKR	DISC. SIZE										
						FLA	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**28	208/230-3-60	STD	NONE	—	—	157/156	148.3/147.4	175/175	623	157/156	157/175	623	148.3/147.4	175/175	157/156	157/175	623	148.3/147.4	175/175	157/156	157/175	623	148.3/147.4	200/200	628	162/161	628	162/161	628				
			279A00	18.8/25.0	52.1/60.1	157/156	148.3/147.4	175/175	623/623	148.3/147.4	175/175	157/156	157/175	623/623	148.3/147.4	175/175	157/156	157/175	623/623	148.3/147.4	175/175	157/156	157/175	628/628	200/200	628/628	162/161	628/628	162/161	628/628			
			280A00	37.6/50.0	104.2/120.3	173/190	187.7/176.6	200/200	623/623	187.7/176.6	200/200	173/190	200/200	623/623	187.7/176.6	200/200	173/190	200/200	623/623	187.7/176.6	200/200	173/190	200/200	628/628	200/200	178/196	628/628	178/196	628/628	178/196	628/628		
			281A00	56.3/75.0	156.4/180.4	233/259	213.8/236.7	225/250	623/623	213.8/236.7	225/250	233/259	233/259	623/623	213.8/236.7	225/250	233/259	233/259	623/623	213.8/236.7	225/250	233/259	233/259	628/628	225/250	238/265	628/628	238/265	238/265	238/265	628/628		
			NONE	—	—	161	151.8	175	619	151.8	175	161	175	619	151.8	175	161	175	619	151.8	175	161	175	624	200	166	624	166	624	166	624		
			279A00	18.8/25.0	52.1/60.1	161/161	151.8/151.8	175/175	619/619	151.8/151.8	175/175	161/161	175/175	619/619	151.8/151.8	175/175	161/161	175/175	619/619	151.8/151.8	175/175	161/161	175/175	624/624	200/200	166/166	624/624	166/166	624/624	166/166	624/624		
			280A00	37.6/50.0	104.2/120.3	177/195	192.0/182.1	200/200	619/619	192.0/182.1	200/200	177/195	200/200	619/619	192.0/182.1	200/200	177/195	200/200	619/619	192.0/182.1	200/200	177/195	200/200	624/624	200/200	182/201	624/624	182/201	624/624	182/201	624/624		
			281A00	56.3/75.0	156.4/180.4	237/264	218.2/242.2	225/250	619/619	218.2/242.2	225/250	237/264	237/264	619/619	218.2/242.2	225/250	237/264	237/264	619/619	218.2/242.2	225/250	237/264	237/264	624/624	225/250	242/270	624/624	242/270	242/270	242/270	624/624		
50hc**28	208/230-3-60	STD	NONE	—	—	72	67.1	80	321	72	80	321	67.1	80	72	80	321	67.1	80	72	80	321	69.3	80	74	323	74	323	74	323			
			282A00	25.0	30.1	72	67.1	80	321	67.1	80	72	80	321	67.1	80	72	80	321	67.1	80	72	80	321	69.3	80	74	323	74	323	74	323	
			283A00	50.0	60.1	93	85.8	90	321	85.8	90	93	321	85.8	90	93	321	85.8	90	93	321	85.8	90	93	321	88.6	90	95	323	88.6	90	95	323
			284A00	75.0	90.2	127	115.9	125	321	115.9	125	127	321	115.9	125	127	321	115.9	125	127	321	115.9	125	127	321	118.7	125	130	323	118.7	125	130	323
			NONE	—	—	74	69.3	80	319	69.3	80	74	80	319	69.3	80	74	80	319	69.3	80	74	80	319	71.5	80	77	321	71.5	80	77	321	
			282A00	25.0	30.1	74	69.3	80	319	69.3	80	74	80	319	69.3	80	74	80	319	69.3	80	74	80	319	71.5	80	77	321	71.5	80	77	321	
			283A00	50.0	60.1	95	88.6	90	319	88.6	90	95	319	88.6	90	95	319	88.6	90	95	319	88.6	90	95	319	91.3	100	98	321	91.3	100	98	321
			284A00	75.0	90.2	130	118.7	125	319	118.7	125	130	319	118.7	125	130	319	118.7	125	130	319	118.7	125	130	121.4	125	132	321	121.4	125	132	321	
575-3-60	STD	NONE	—	—	81	75.0	90	359	81	90	359	75.0	90	81	90	359	75.0	90	81	90	359	77.2	90	83	361	83	361	83	361				
		282A00	25.0	30.1	81	75.0	90	359	75.0	90	81	90	359	75.0	90	81	90	359	75.0	90	81	90	359	77.2	90	83	361	77.2	90	83	361		
		283A00	50.0	60.1	102	95.7	100	359	95.7	100	102	359	95.7	100	102	359	95.7	100	102	359	95.7	100	104	361	104	361	104	361	104	361	104	361	
		284A00	75.0	90.2	136	125.8	150	359	125.8	150	136	359	125.8	150	136	359	125.8	150	136	359	125.8	150	139	361	139	361	139	361	139	361	139	361	
		NONE	—	—	59	55.1	60	243	55.1	60	59	60	243	55.1	60	59	60	243	55.1	60	59	60	243	56.8	70	61	245	56.8	70	61	245		
		285A00	24.8	23.9	59	55.3	60	243	55.3	60	59	60	243	55.3	60	59	60	243	55.3	60	59	60	243	56.8	70	61	245	56.8	70	61	245		
		286A00	49.6	47.7	78	85.1	90	243	85.1	90	78	90	243	85.1	90	78	90	243	85.1	90	78	90	243	87.2	90	80	245	87.2	90	80	245		
		287A00	74.4	71.6	106	97.1	100	243	97.1	100	106	100	243	97.1	100	106	100	243	97.1	100	106	100	243	99.2	100	108	245	99.2	100	108	245		
575-3-60	MED	NONE	—	—	61	56.5	70	241	56.5	70	61	56.5	70	61	70	241	56.5	70	61	70	241	58.2	70	63	243	63	243	63	243				
		285A00	24.8	23.9	61	57.1	70	241	57.1	70	61	70	241	57.1	70	61	70	241	57.1	70	61	70	241	58.2	70	63	243	58.2	70	63	243		
		286A00	49.6	47.7	80	86.8	90	241	86.8	90	80	90	241	86.8	90	80	90	241	86.8	90	80	90	241	89.0	90	82	243	89.0	90	82	243		
		287A00	74.4	71.6	107	98.8	100	241	98.8	100	107	100	241	98.8	100	107	100	241	98.8	100	107	100	241	100.9	110	109	243	100.9	110	109	243		
		NONE	—	—	63	58.4	70	268	58.4	70	63	70	268	58.4	70	63	70	268	58.4	70	63	70	268	60.1	70	65	270	60.1	70	65	270		
		285A00	24.8	23.9	63	59.5	70	268	59.5	70	63	70	268	59.5	70	63	70	268	59.5	70	63	70	268	60.1	70	65	270	60.1	70	65	270		
		286A00	49.6	47.7	82	89.2	90	268	89.2	90	82	90	268	89.2	90	82	90	268	89.2	90	82	90	268	91.3	100	84	270	91.3	100	84	270		
		287A00	74.4	71.6	110	101.2	110	268	101.2	110	110	110	268	101.2	110	110	110	268	101.2	110	110	110	268	103.3	110	112	270	103.3	110	112	270		

See: "Legend and Notes for Tables 1 - 8" on page 23.

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

UNIT	NO M.V-PH-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.												w/ PWRD C.O.					
			CRHEATER***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/ Economizer		
						MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA
208/230-3-60	STD	NONE	-	-	-	85.6/85.6	100/100	91/90	406	414	100/99	100/100	90.4/90.4	100/100	97/96	411	98.1/98.1	110/110	106/105	419			
		279A00	18.8/25.0	52.1/60.1	52.1/60.1	105.1/105.1	110/110	91/97	406/406	414/414	100/106	125/125	111.1/111.1	125/125	97/102	411/411	120.8/120.8	125/125	106/111	419/419			
		280A00	37.6/50.0	104.2/120.3	104.2/120.3	161.3/161.3	175/175	148/166	406/406	414/414	157/175	175/175	167.3/167.3	175/175	154/171	411/411	176.9/176.9	200/200	163/180	419/419			
		281A00	56.3/75.0	156.4/180.4	156.4/180.4	210.4/210.4	225/225	208/235	406/406	414/414	217/244	225/225	216.4/216.4	225/225	214/241	411/411	226.1/226.1	250/250	223/249	419/419			
208/230-3-60	MED	NONE	-	-	-	87.8/87.8	100/100	94/93	430	438	103/101	110/110	92.6/92.6	100/100	99/98	435	100.3/100.3	125/125	108/107	443			
		279A00	18.8/25.0	52.1/60.1	52.1/60.1	107.6/107.6	110/110	94/99	430/430	438/438	103/108	125/125	113.6/113.6	125/125	99/105	435/435	123.3/123.3	125/125	108/113	443/443			
		280A00	37.6/50.0	104.2/120.3	104.2/120.3	164.0/164.0	175/175	151/168	430/430	438/438	160/177	175/175	170.0/170.0	175/175	156/174	435/435	179.7/179.7	200/200	165/183	443/443			
		281A00	56.3/75.0	156.4/180.4	156.4/180.4	212.9/212.9	225/225	211/237	430/430	438/438	220/246	225/250	218.9/218.9	225/250	216/243	435/435	228.6/228.6	250/250	225/252	443/443			
208/230-3-60	HIGH	NONE	-	-	-	90.6/90.6	100/100	97/96	441	449	106/105	110/110	95.4/95.4	110/110	102/101	446	103.1/103.1	125/125	111/110	454			
		279A00	18.8/25.0	52.1/60.1	52.1/60.1	111.3/111.3	125/125	97/102	441/441	449/449	106/111	125/125	117.3/117.3	125/125	102/108	446/446	126.9/126.9	150/150	111/117	454/454			
		280A00	37.6/50.0	104.2/120.3	104.2/120.3	167.5/167.5	175/175	154/172	441/441	449/449	163/180	200/200	173.5/173.5	175/175	160/177	446/446	183.2/183.2	200/200	169/186	454/454			
		281A00	56.3/75.0	156.4/180.4	156.4/180.4	216.5/216.5	225/250	214/241	441/441	449/449	223/250	250/250	222.5/222.5	225/250	220/246	446/446	232.2/232.2	250/250	229/255	454/454			
208/230-3-60	STD	NONE	-	-	-	42.6	50	45	240	244	49	50	44.8	50	48	242	48.1	60	52	246			
		282A00	25.0	30.1	30.1	51.5	60	47	240	244	51	60	54.3	60	50	242	58.4	60	54	246			
		283A00	50.0	60.1	60.1	74.0	80	82	240	244	86	80	76.7	80	84	242	80.9	90	88	246			
		284A00	75.0	90.2	90.2	104.1	110	116	240	244	120	110	106.8	110	119	242	111.0	125	123	246			
208/230-3-60	MED	NONE	-	-	-	43.7	50	47	252	256	50	60	45.9	50	49	254	49.2	60	53	258			
		282A00	25.0	30.1	30.1	52.9	60	49	252	256	52	60	55.6	60	51	254	59.8	60	55	258			
		283A00	50.0	60.1	60.1	75.4	80	83	252	256	87	80	78.1	80	86	254	82.2	90	89	258			
		284A00	75.0	90.2	90.2	105.5	110	118	252	256	122	125	108.2	125	120	254	112.3	125	124	258			
575-3-60	HIGH	NONE	-	-	-	45.2	50	48	257	261	52	60	47.4	60	51	259	50.7	60	55	263			
		282A00	25.0	30.1	30.1	54.8	60	50	257	261	54	60	57.5	60	53	259	61.6	70	57	263			
		283A00	50.0	60.1	60.1	77.2	80	85	257	261	89	80	80.0	80	87	259	84.1	90	91	263			
		284A00	75.0	90.2	90.2	107.3	125	119	257	261	123	125	110.1	125	122	259	114.2	125	126	263			
575-3-60	STD	NONE	-	-	-	35.2	40	38	191	195	42	45	38.9	45	40	193	40.2	45	43	197			
		285A00	24.8	23.9	23.9	44.6	45	41	191	195	45	50	46.8	50	43	193	50.9	60	47	197			
		286A00	49.6	47.7	47.7	74.4	80	68	191	195	72	80	76.5	80	70	193	80.6	90	74	197			
		287A00	74.4	71.6	71.6	86.4	90	96	191	195	100	100	88.5	90	98	193	92.6	100	102	197			
575-3-60	MED	NONE	-	-	-	35.2	40	38	191	195	42	45	38.9	45	40	193	40.2	45	43	197			
		285A00	24.8	23.9	23.9	44.6	45	41	191	195	45	50	46.8	50	43	193	50.9	60	47	197			
		286A00	49.6	47.7	47.7	74.4	80	68	191	195	72	80	76.5	80	70	193	80.6	90	74	197			
		287A00	74.4	71.6	71.6	86.4	90	96	191	195	100	100	88.5	90	98	193	92.6	100	102	197			
575-3-60	HIGH	NONE	-	-	-	36.9	45	40	205	209	43	45	38.6	45	42	207	41.9	50	45	211			
		285A00	24.8	23.9	23.9	46.8	50	43	205	209	47	60	48.9	50	45	207	53.0	60	49	211			
		286A00	49.6	47.7	47.7	76.5	80	70	205	209	74	80	78.6	80	72	207	82.8	90	76	211			
		287A00	74.4	71.6	71.6	88.5	90	98	205	209	102	100	90.6	100	100	207	94.7	100	104	211			

See: Legend and Notes for Tables 1 – 8 on page 23.



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

UNIT	NO M. V-PH-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.										w/ PWR C.O.									
			CRHEATER**A00	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer				
						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**20	208/230-3-60	STD	NONE	-	-	92.5/92.5	100/100	98/97	460	107/106	468	100.2/100.2	125/125	107/106	468	97.3/97.3	110/110	104/103	465	105.0/105.0	125/125	113/112	473		
			279A00	18.8/25.0	52.1/60.1	107.6/107.6	110/110	98/99	460/460	107/108	468/468	113.6/113.6	125/125	104/105	465/465	123.3/123.3	125/125	104/105	465/465	123.3/123.3	125/125	113/113	473/473		
			280A00	37.6/50.0	104.2/120.3	164.0/164.0	175/175	151/168	460/460	160/177	468/468	173.7/173.7	175/175	160/177	468/468	170.0/170.0	175/175	156/174	465/465	179.7/179.7	200/200	165/163	473/473		
			281A00	56.3/75.0	156.4/180.4	212.9/212.9	225/225	211/237	460/460	220/246	468/468	222.6/222.6	225/250	220/246	468/468	218.9/218.9	225/225	216/243	465/465	228.6/228.6	250/250	225/252	473/473		
50hc**20	208/230-3-60	MED	NONE	-	-	95.3/95.3	110/110	102/101	471	103.0/103.0	479	103.0/103.0	125/125	111/110	479	100.1/100.1	125/125	107/106	476	107.8/107.8	125/125	116/115	484		
			279A00	18.8/25.0	52.1/60.1	111.3/111.3	125/125	102/102	471/471	120.9/120.9	125/125	111/111	120.9/120.9	125/125	107/108	476/476	117.3/117.3	125/125	107/108	476/476	126.9/126.9	150/150	484/484		
			280A00	37.6/50.0	104.2/120.3	167.5/167.5	175/175	154/172	471/471	177.2/177.2	200/200	163/180	479/479	173.5/173.5	175/175	160/177	476/476	173.5/173.5	175/175	160/177	476/476	183.2/183.2	200/200	169/166	484/484
			281A00	56.3/75.0	156.4/180.4	216.5/216.5	225/250	214/241	471/471	226.2/226.2	250/250	223/250	479/479	222.5/222.5	225/250	220/246	476/476	222.5/222.5	225/250	220/246	476/476	232.2/232.2	250/250	229/255	484/484
50hc**20	208/230-3-60	HIGH	NONE	-	-	98.8	125	106	467	106.5	475	106.5	125	115	475	103.6	125	111	472	111.3	125	120	480		
			279A00	18.8/25.0	52.1/60.1	116.8/116.8	125/125	106/107	467/467	126.4/126.4	150/150	115/116	126.4/126.4	125/125	111/113	472/472	122.8/122.8	125/125	111/113	472/472	132.4/132.4	150/150	120/122	480/480	
			280A00	37.6/50.0	104.2/120.3	171.9/171.9	175/175	158/177	467/467	181.6/181.6	200/200	167/186	475/475	177.9/177.9	200/200	164/182	472/472	177.9/177.9	200/200	164/182	472/472	187.6/187.6	200/200	173/191	480/480
			281A00	56.3/75.0	156.4/180.4	222.0/222.0	225/250	218/246	467/467	231.7/231.7	250/250	227/255	475/475	228.0/228.0	250/250	224/251	472/472	228.0/228.0	250/250	224/251	472/472	237.7/237.7	250/250	233/260	480/480
50hc**20	208/230-3-60	STD	NONE	-	-	44.0	50	47	254	47.3	258	44.0	60	51	258	46.2	50	49	256	49.5	60	53	260		
			282A00	25.0	30.1	52.9	60	49	254	57.0	52	258	52.9	60	52	258	55.6	60	51	256	59.8	60	55	260	
			283A00	50.0	60.1	75.4	80	83	254	79.5	87	258	78.1	80	86	256	82.2	80	86	256	82.2	80	89	260	
			284A00	75.0	90.2	105.5	110	118	254	109.6	122	258	108.2	125	122	256	112.3	125	120	256	112.3	125	124	260	
50hc**20	208/230-3-60	MED	NONE	-	-	45.5	50	49	259	48.8	263	45.5	60	52	263	47.7	60	51	261	51.0	60	55	265		
			282A00	25.0	30.1	54.8	60	50	259	58.9	54	263	58.9	60	54	263	57.5	60	53	261	61.6	60	57	265	
			283A00	50.0	60.1	77.2	80	85	259	81.4	89	263	80.0	90	87	261	84.1	90	87	261	84.1	90	91	265	
			284A00	75.0	90.2	107.3	125	119	259	110.5	123	263	110.1	125	122	261	114.2	125	122	261	114.2	125	126	265	
50hc**20	208/230-3-60	HIGH	NONE	-	-	47.7	60	51	257	51.0	261	47.7	60	55	261	49.9	60	54	259	53.2	60	58	263		
			282A00	25.0	30.1	57.5	60	53	257	61.6	57	261	60.3	70	55	259	64.4	70	55	259	64.4	70	59	263	
			283A00	50.0	60.1	80.0	90	87	257	84.1	91	261	82.7	90	90	259	86.9	90	90	259	86.9	90	94	263	
			284A00	75.0	90.2	110.1	125	122	257	114.2	126	261	112.8	125	125	259	117.0	125	125	259	117.0	125	128	263	
575-3-60	208/230-3-60	STD	NONE	-	-	35.2	40	38	193	38.5	197	35.2	45	42	197	36.9	45	40	195	40.2	45	43	199		
			285A00	24.8	23.9	44.6	45	41	193	48.8	45	197	46.8	50	43	195	50.9	50	43	195	50.9	50	47	199	
			286A00	49.6	47.7	74.4	80	68	193	78.5	80	197	76.5	80	70	195	80.6	80	70	195	80.6	80	74	199	
			287A00	74.4	71.6	86.4	90	96	193	90.5	100	197	88.5	90	98	195	92.6	90	98	195	92.6	90	102	199	
575-3-60	208/230-3-60	MED	NONE	-	-	36.9	45	40	207	40.2	211	36.9	45	43	211	38.6	45	42	209	41.9	50	45	213		
			285A00	24.8	23.9	46.8	50	43	207	50.9	47	211	48.9	50	45	209	53.0	50	45	209	53.0	50	49	213	
			286A00	49.6	47.7	76.5	80	70	207	80.6	74	211	78.6	80	72	209	82.8	80	72	209	82.8	80	76	213	
			287A00	74.4	71.6	88.5	90	98	207	92.6	100	211	90.6	100	100	209	94.7	100	100	209	94.7	100	104	213	
575-3-60	208/230-3-60	HIGH	NONE	-	-	38.3	45	41	205	41.6	209	38.3	45	45	209	40.0	45	43	207	43.3	50	47	211		
			285A00	24.8	23.9	48.5	50	45	205	52.6	48	209	50.6	60	47	207	54.8	60	47	207	54.8	60	50	211	
			286A00	49.6	47.7	78.3	80	72	205	82.4	76	209	80.4	90	74	207	84.5	90	74	207	84.5	90	78	211	
			287A00	74.4	71.6	90.2	100	99	205	94.4	100	209	92.4	100	103	209	96.5	100	101	207	96.5	100	105	211	

See: "Legend and Notes for Tables 1 - 8 " on page 23.

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

UNIT	NO M. V-PH-HZ	IFM TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.										w/ PWRD C.O.														
			CRHEATER**A00	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer								
						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**28	208/230-3-60	STD	NONE	-	-	148.3/148.3	175/175	157/156	623	148.3/148.3	175/175	157/156	623	153.1/153.1	200/200	162/161	628	153.1/153.1	200/200	162/161	628	153.1/153.1	200/200	162/161	628	153.1/153.1	200/200	162/161	628
			279A00	18.8/25.0	52.1/60.1	148.3/148.3	175/175	157/156	623/623	148.3/148.3	175/175	157/156	623/623	153.1/153.1	200/200	162/161	628/628	153.1/153.1	200/200	162/161	628/628	153.1/153.1	200/200	162/161	628/628	153.1/153.1	200/200	162/161	628/628
			280A00	37.6/50.0	104.2/120.3	187.7/187.7	200/200	173/190	623/623	187.7/187.7	200/200	173/190	623/623	193.7/193.7	200/200	178/196	628/628	193.7/193.7	200/200	178/196	628/628	193.7/193.7	200/200	178/196	628/628	193.7/193.7	200/200	178/196	628/628
			281A00	56.3/75.0	156.4/180.4	236.7/236.7	250/250	233/259	623/623	236.7/236.7	250/250	233/259	623/623	242.7/242.7	250/250	238/265	628/628	242.7/242.7	250/250	238/265	628/628	242.7/242.7	250/250	238/265	628/628	242.7/242.7	250/250	238/265	628/628
	208/230-3-60	MED	NONE	-	-	151.8	175	161	619	151.8	175	161	619	156.6	200	166	624	156.6	200	166	624	156.6	200	166	624	156.6	200	166	624
			279A00	18.8/25.0	52.1/60.1	151.8/151.8	175/175	161/161	619/619	151.8/151.8	175/175	161/161	619/619	156.6/156.6	200/200	166/166	624/624	156.6/156.6	200/200	166/166	624/624	156.6/156.6	200/200	166/166	624/624	156.6/156.6	200/200	166/166	624/624
			280A00	37.6/50.0	104.2/120.3	192.0/192.0	200/200	177/195	619/619	192.0/192.0	200/200	177/195	619/619	198.0/198.0	200/200	182/201	624/624	198.0/198.0	200/200	182/201	624/624	198.0/198.0	200/200	182/201	624/624	198.0/198.0	200/200	182/201	624/624
			281A00	56.3/75.0	156.4/180.4	242.2/242.2	250/250	237/264	619/619	242.2/242.2	250/250	237/264	619/619	248.2/248.2	250/250	242/270	624/624	248.2/248.2	250/250	242/270	624/624	248.2/248.2	250/250	242/270	624/624	248.2/248.2	250/250	242/270	624/624
50HC**28	208/230-3-60	STD	NONE	-	-	67.1	80	72	321	67.1	80	72	321	69.3	80	74	323	69.3	80	74	323	69.3	80	74	323	69.3	80	74	323
			282A00	25.0	30.1	67.1	80	72	321	67.1	80	72	321	69.3	80	74	323	69.3	80	74	323	69.3	80	74	323	69.3	80	74	323
			283A00	50.0	60.1	85.8	90	93	321	85.8	90	93	321	88.6	90	95	323	88.6	90	95	323	88.6	90	95	323	88.6	90	95	323
			284A00	75.0	90.2	115.9	125	127	321	115.9	125	127	321	118.7	125	130	323	118.7	125	130	323	118.7	125	130	323	118.7	125	130	323
	208/230-3-60	MED	NONE	-	-	69.3	80	74	319	69.3	80	74	319	71.5	90	77	321	71.5	90	77	321	71.5	90	77	321	71.5	90	77	321
			282A00	25.0	30.1	69.3	80	74	319	69.3	80	74	319	71.5	90	77	321	71.5	90	77	321	71.5	90	77	321	71.5	90	77	321
			283A00	50.0	60.1	88.6	90	95	319	88.6	90	95	319	91.3	100	98	321	91.3	100	98	321	91.3	100	98	321	91.3	100	98	321
			284A00	75.0	90.2	118.7	125	130	319	118.7	125	130	319	121.4	125	132	321	121.4	125	132	321	121.4	125	132	321	121.4	125	132	321
575-3-60	STD	NONE	-	-	75.0	90	81	359	75.0	90	81	359	77.2	90	83	361	77.2	90	83	361	77.2	90	83	361	77.2	90	83	361	
		282A00	25.0	30.1	75.0	90	81	359	75.0	90	81	359	77.2	90	83	361	77.2	90	83	361	77.2	90	83	361	77.2	90	83	361	
		283A00	50.0	60.1	95.7	100	102	359	95.7	100	102	359	98.4	100	104	361	98.4	100	104	361	98.4	100	104	361	98.4	100	104	361	
		284A00	75.0	90.2	125.8	150	136	359	125.8	150	136	359	128.5	150	139	361	128.5	150	139	361	128.5	150	139	361	128.5	150	139	361	
575-3-60	MED	NONE	-	-	55.1	60	59	243	55.1	60	59	243	56.5	70	61	241	56.5	70	61	241	56.5	70	61	241	56.5	70	61	241	
		285A00	24.8	23.9	55.3	60	59	243	55.3	60	59	243	57.1	70	61	241	57.1	70	61	241	57.1	70	61	241	57.1	70	61	241	
		286A00	49.6	47.7	85.1	90	78	243	85.1	90	78	243	86.8	90	80	241	86.8	90	80	241	86.8	90	80	241	86.8	90	80	241	
		287A00	74.4	71.6	97.1	100	106	243	97.1	100	106	243	98.8	100	107	241	98.8	100	107	241	98.8	100	107	241	98.8	100	107	241	
575-3-60	HIGH	NONE	-	-	58.4	70	63	268	58.4	70	63	268	58.4	70	63	268	58.4	70	63	268	58.4	70	63	268	58.4	70	63	268	
		285A00	24.8	23.9	59.5	70	63	268	59.5	70	63	268	59.5	70	63	268	59.5	70	63	268	59.5	70	63	268	59.5	70	63	268	
		286A00	49.6	47.7	89.2	90	82	268	89.2	90	82	268	89.2	90	82	268	89.2	90	82	268	89.2	90	82	268	89.2	90	82	268	
		287A00	74.4	71.6	101.2	110	110	268	101.2	110	110	268	101.2	110	110	268	101.2	110	110	268	101.2	110	110	268	101.2	110	110	268	

See: "Legend and Notes for Tables 1 - 8" on page 23.

Legend and Notes for Tables 1 - 8

LEGEND:

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



NOTES:

- In compliance with NEC requirements for multimotor and combination load equipment (refer to NEC Articles 430 and 440), the overcurrent protective device for the unit shall be fuse or HACR breaker. Canadian units may be fuse or circuit breaker.

2. Unbalanced 3-Phase Supply Voltage

Never operate a motor where a phase imbalance in supply voltage is greater than 2%. Use the following formula to determine the percentage of voltage imbalance.

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

Example: Supply voltage is 230-3-60



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

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

Determine maximum deviation from average voltage.

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

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

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

Maximum deviation is 4 v.

Determine percent of voltage imbalance.

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

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

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

