

EnergyX[®] System
Factory Installed Energy Recovery
48/50HCX 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 JUNE 1, 2015 ONLY!

NOTE: Read the entire instruction manual before starting the installation

This supplement only applies to 48/50HCX size 17 to 28 units manufactured on or after June 1, 2015. To confirm the date of manufacture of the unit, locate the unit nameplate and check the first four digits of the Serial Number which is located directly below the unit's Model Number at the top of the nameplate. If the number listed in the first 4 digits of the Serial Number is 2315 or higher KEEP THIS DOCUMENT and use it along with the furnished Installation Instructions.

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

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

C150242

SERIAL NUMBER NOMENCLATURE

SAFETY CONSIDERATIONS

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

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

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

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

personal injury or death. CAUTION is used to identify unsafe practices, which **may** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

CAUTION

ELECTRICAL HAZARD

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

The electrical data contained in this document is only for use with 48/50HCX size 17 to 28 units manufactured on or after June 1, 2015. Check the first 4 digits of the unit's Serial Number (located on the unit's nameplate) if the number listed is 2315 or higher keep this document.

WARNING

ELECTRICAL SHOCK HAZARD

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

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

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

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.						w/ PWRD C.O.										
			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer							
			MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA					
48HC**17	208/230-3-60	STD	84.5	100	90	409	92.2	100	99	417	89.3	100	95	414	97.0	110	104	422	
		MED	87.6	100	93	439	95.3	110	102	447	92.4	100	99	444	100.1	125	108	452	
	460-3-60	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	
		STD	42.2	50	45	241	45.5	50	49	245	44.4	50	47	243	47.7	60	51	247	
	575-3-60	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	
	48HC**20	208/230-3-60	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
		575-3-60	HIGH	36.3	45	39	205	39.6	45	43	209	38.0	45	41	207	41.3	50	45	211
			STD	91.9	100	98	456	99.6	125	107	464	96.7	110	103	461	104.4	125	112	469
48HC**24		208/230-3-60	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-High Efficiency	98.8	125	106	467	106.5	125	115	475	103.6	125	111	472	111.3	125	120	480
48HC**20	460-3-60	STD	43.9	50	47	252	47.2	60	51	256	46.1	50	49	254	49.4	60	53	258	
		MED	45.5	50	49	259	48.8	60	52	263	47.7	60	51	261	51.0	60	55	265	
	575-3-60	HIGH-High Efficiency	47.7	60	51	257	51.0	60	55	261	49.9	60	54	259	53.2	60	58	263	
		STD	33.5	40	36	193	36.8	45	40	197	35.2	40	38	195	38.5	45	42	199	
	48HC**24	208/230-3-60	MED	36.3	45	39	207	39.6	45	43	211	38.0	45	41	209	41.3	50	45	213
			HIGH-High Efficiency	38.3	45	41	205	41.6	50	45	209	40.0	45	43	207	43.3	50	47	211
48HC**24	208/230-3-60	STD	123.1	150	133	579	123.1	150	133	579	127.9	150	138	584	127.9	150	138	584	
		MED-High Efficiency	123.1	150	133	579	123.1	150	133	579	127.9	150	138	584	127.9	150	138	584	
	460-3-60	HIGH-High Efficiency	134.5	150	146	658	134.5	150	146	658	139.3	150	152	663	139.3	150	152	663	
		STD	63.9	80	69	293	63.9	80	69	293	66.1	80	71	295	66.1	80	71	295	
	48HC**24	208/230-3-60	MED-High Efficiency	63.9	80	69	293	63.9	80	69	293	66.1	80	71	295	66.1	80	71	295
			HIGH-High Efficiency	69.6	80	75	333	69.6	80	75	333	71.8	80	78	335	71.8	80	78	335
48HC**24	208/230-3-60	STD	49.6	60	54	219	49.6	60	54	219	51.3	60	55	221	51.3	60	55	221	
		MED-High Efficiency	51.6	60	56	217	51.6	60	56	217	53.3	60	58	219	53.3	60	58	219	
48HC**24	208/230-3-60	HIGH-High Efficiency	53.5	60	58	244	53.5	60	58	244	55.2	60	60	246	55.2	60	60	246	

See: "Legend and Notes for Tables 1 – 8" on page 24.

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

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.						w/ PWRD C.O.										
			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer							
			MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA					
48HC**28	208/230-3-60	STD	148.3/147.4	175/175	157/156 6	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-High Efficiency	151.8	175	161	619	151.8	175	161	619	156.6	200	166	624	166	156.6	200	166	624
	460-3-60	HIGH-High Efficiency	163.2	200	174	698	163.2	200	174	698	168.0	200	179	703	179	168.0	200	179	703
		STD	67.1	80	72	321	67.1	80	72	321	69.3	80	74	323	74	69.3	80	74	323
	575-3-60	MED-High Efficiency	69.3	80	74	319	69.3	80	74	319	71.5	90	77	321	77	71.5	90	77	321
		HIGH-High Efficiency	75.0	90	81	359	75.0	90	81	359	77.2	90	83	361	83	77.2	90	83	361
	575-3-60	STD	54.5	60	58	243	54.5	60	58	243	56.2	60	60	245	60	56.2	60	60	245
		MED-High Efficiency	56.5	70	61	241	56.5	70	61	241	58.2	70	63	243	63	58.2	70	63	243
		HIGH-High Efficiency	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 24.

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

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.																	
			w/ ERV, w/o Economizer						w/ ERV, w/ Economizer						w/ PWRD C.O.					
			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	84.5	100	90	409	92.2	100	99	417	89.3	100	95	414	97.0	110	104	422		
		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		
		STD	42.2	50	45	241	45.5	50	49	245	44.4	50	47	243	47.7	60	51	247		
		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	38.0	45	41	207	41.3	50	45	211		
		STD	91.9	100	98	456	99.6	125	107	464	96.7	110	103	461	104.4	125	112	469		
		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-High Efficiency	98.8	125	106	467	106.5	125	115	475	103.6	125	111	472	111.3	125	120	480		
48HC**20	460-3-60	STD	43.9	50	47	252	47.2	60	51	256	46.1	50	49	254	49.4	60	53	258		
		MED	45.5	50	49	259	48.8	60	52	263	47.7	60	51	261	51.0	60	55	265		
		HIGH-High Efficiency	47.7	60	51	257	51.0	60	55	261	49.9	60	54	259	53.2	60	58	263		
		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-High Efficiency	38.3	45	41	205	41.6	50	45	209	40.0	45	43	207	43.3	50	47	211		
	208/230-3-60	STD	123.1	150	133	579	123.1	150	133	579	127.9	150	138	584	127.9	150	138	584		
		MED-High Efficiency	123.1	150	133	579	123.1	150	133	579	127.9	150	138	584	127.9	150	138	584		
		HIGH-High Efficiency	134.5	150	146	658	134.5	150	146	658	139.3	150	152	663	139.3	150	152	663		
		STD	63.9	80	69	293	63.9	80	69	293	66.1	80	71	295	66.1	80	71	295		
		MED-High Efficiency	63.9	80	69	293	63.9	80	69	293	66.1	80	71	295	66.1	80	71	295		
		HIGH-High Efficiency	69.6	80	75	333	69.6	80	75	333	71.8	80	78	335	71.8	80	78	335		
48HC**24	460-3-60	STD	49.6	60	54	219	49.6	60	54	219	51.3	60	55	221	51.3	60	55	221		
		MED-High Efficiency	51.6	60	56	217	51.6	60	56	217	53.3	60	58	219	53.3	60	58	219		
		HIGH-High Efficiency	53.5	60	58	244	53.5	60	58	244	55.2	60	60	246	55.2	60	60	246		
		STD	123.1	150	133	579	123.1	150	133	579	127.9	150	138	584	127.9	150	138	584		
		MED-High Efficiency	123.1	150	133	579	123.1	150	133	579	127.9	150	138	584	127.9	150	138	584		
		HIGH-High Efficiency	134.5	150	146	658	134.5	150	146	658	139.3	150	152	663	139.3	150	152	663		
	575-3-60	STD	63.9	80	69	293	63.9	80	69	293	66.1	80	71	295	66.1	80	71	295		
		MED-High Efficiency	63.9	80	69	293	63.9	80	69	293	66.1	80	71	295	66.1	80	71	295		
		HIGH-High Efficiency	69.6	80	75	333	69.6	80	75	333	71.8	80	78	335	71.8	80	78	335		
		STD	49.6	60	54	219	49.6	60	54	219	51.3	60	55	221	51.3	60	55	221		
		MED-High Efficiency	51.6	60	56	217	51.6	60	56	217	53.3	60	58	219	53.3	60	58	219		
		HIGH-High Efficiency	53.5	60	58	244	53.5	60	58	244	55.2	60	60	246	55.2	60	60	246		

See: "Legend and Notes for Tables 1 – 8" on page 24.

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

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.						w/ PWRD C.O.									
			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer						
			MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA				
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-High Efficiency	151.8	175	161	619	151.8	175	161	619	156.6	200	166	624	156.6	200	166	624
		HIGH-High Efficiency	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-High Efficiency	69.3	80	74	319	69.3	80	74	319	71.5	90	77	321	71.5	90	77	321
		HIGH-High Efficiency	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-High Efficiency	56.5	70	61	241	56.5	70	61	241	58.2	70	63	243	58.2	70	63	243	
	HIGH-High Efficiency	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 24.

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

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.						w/ PWRD C.O.										
			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer							
			MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA					
48HC**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	
	48HC**20	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
460-3-60		STD	44.0	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	
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	40.0	45	43	207	43.3	50	47	211	
48HC**24		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
	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 24.

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/ ERV, w/o Economizer						w/ ERV, w/ Economizer										
			MCA	HACR BRKR	FLA	LRA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	LRA	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	106/105	419	
		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	108/107	443	
		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	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	60	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	
	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	113/112	473
			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	44.0	50	47	254	47.3	60	51	258	46.2	60	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	
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	60	45	209	40.0	60	43	207	43.3	60	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	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	148.3/148.3	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	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 24.

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

UNIT	IFM TYPE	ELEC. HTR				NO C.O. or UNPWR C.O.												w/ PWRD C.O.											
		CRHEATER ***A00	Nom (kW)	FLA	MCA	w/ ERV, w/o Economizer				w/ ERV, w/ Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer											
						MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		FLA	LRA							
		FLA	LRA	FLA	LRA		FLA	LRA			FLA	LRA																	
50HC**17	STD	NONE	18.8/25.0	—	84.5	100	90	409	417	88.3	100	95	414	414	97.0	110	104	422											
						100/110	90/98	409/409	417/417	104.4/114.4	110/125	95/102	414/414	110.4/120.4	125/125	104/111	422/422												
						175/175	147/166	409/409	417/417	169.6/159.6	175/175	153/171	414/414	175.6/165.6	200/175	162/180	422/422												
						200/225	207/235	409/409	417/417	195.7/219.7	200/225	213/240	414/414	201.7/225.7	225/250	222/249	422/422												
575-3-60	MED	NONE	18.8/25.0	—	87.6	100	93	439	447	92.4	110	102	444	444	100.1	125	108	452											
						100/110	93/100	439/439	447/447	108.3/118.3	110/125	102/109	444/444	114.3/124.3	125/125	108/114	452/452												
						175/175	151/169	439/439	447/447	173.4/163.5	175/175	160/178	444/444	179.4/169.5	200/175	165/184	452/452												
						200/225	211/238	439/439	447/447	199.6/223.6	200/250	220/247	444/444	205.6/229.6	225/250	225/253	452/452												
50HC**17	HIGH	NONE	18.8/25.0	—	90.6/89.7	100/100	97/96	441	449	96.3/97.4	110/110	106/105	446	446	103.1/102.2	125/125	111/110	454											
						110/125	97/102	441/441	449/449	112.1/120.9	125/125	106/111	446/446	118.1/126.9	125/150	111/117	454/454												
						175/175	154/172	441/441	449/449	177.2/166.1	200/175	163/180	446/446	183.2/172.1	200/175	169/186	454/454												
						200/250	214/241	441/441	449/449	203.3/226.2	225/250	223/250	446/446	198.7/222.5	200/250	229/255	454/454												
50HC**17	STD	NONE	25.0	30.1	51.0	60	47	241	245	44.4	60	49	243	243	47.7	80	51	247											
						80	81	241	245	77.6	80	85	245	245	80.4	90	88	247											
						110	116	241	245	107.7	110	120	245	245	110.5	125	122	247											
						150	177	241	245	157.8	150	177	245	245	157.8	175	172	247											
50HC**17	MED	NONE	25.0	30.1	53.4	60	49	256	260	47.4	60	51	258	258	49.6	60	53	262											
						80	84	256	260	80.0	80	87	260	260	82.7	90	90	262											
						110	118	256	260	110.1	125	122	260	260	112.8	125	125	262											
						150	177	256	260	157.8	150	177	260	260	157.8	175	172	262											
50HC**17	HIGH	NONE	25.0	30.1	54.8	60	50	257	261	48.5	60	52	261	261	50.7	60	55	263											
						80	85	257	261	81.4	80	89	261	261	84.1	90	91	263											
						110	119	257	261	111.5	125	123	261	261	114.2	125	126	263											
						150	177	257	261	157.8	150	177	261	261	157.8	175	172	263											
575-3-60	STD	NONE	24.8	23.9	42.5	40	36	191	195	36.8	45	40	195	193	38.5	45	42	197											
						45	39	191	195	46.6	50	43	195	193	48.8	50	45	197											
						80	66	191	195	76.4	80	70	195	193	78.5	80	72	197											
						90	94	191	195	88.4	90	98	195	193	90.5	100	100	197											
575-3-60	MED	NONE	24.8	23.9	42.5	40	36	191	195	36.8	45	40	195	193	38.5	45	42	197											
						45	39	191	195	46.6	50	43	195	193	48.8	50	45	197											
						80	66	191	195	76.4	80	70	195	193	78.5	80	72	197											
						90	94	191	195	88.4	90	98	195	193	90.5	100	100	197											
575-3-60	HIGH	NONE	24.8	23.9	46.0	45	39	205	209	39.6	45	43	209	209	41.3	50	45	211											
						50	42	205	209	48.1	60	46	209	209	52.3	60	48	211											
						80	70	205	209	79.9	80	73	209	209	82.0	90	75	211											
						90	97	205	209	91.9	100	101	209	209	94.0	100	103	211											

See: "Legend and Notes for Tables 1 – 8" on page 24.

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

UNIT	NO M, V-Pn-HZ	IFM TYPE	ELEC. HTR					NO C.O. or UNPWR C.O.																	
			CRHEATER ***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer					w/ ERV, w/ Economizer					w/ ERV, w/o Economizer					w/ ERV, w/ Economizer				
						MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA
50HC**20	460-3-60	STD	NONE	—	—	91.9	100	98	456	464	99.6	125	107	107	464	96.7	110	103	461	461	104.4	125	112	112	489
			279A00	18.8/25.0	52.1/60.1	98.1/108.1	100/110	98/99	456/456	464/464	107.8/117.8	125/125	107/108	107/108	464/464	104.1/114.1	110/125	103/105	461/461	461/461	113.8/123.8	125/125	116/114	116/114	489/489
			280A00	37.6/50.0	104.2/120.3	163.3/153.3	175/175	150/169	456/456	464/464	172.9/183.0	175/175	159/178	159/178	464/464	169.3/169.0	200/225	156/174	461/461	461/461	178.8/169.0	200/175	165/183	165/183	489/489
			281A00	56.3/75.0	156.4/180.4	189.4/213.4	200/225	210/238	456/456	464/464	199.1/223.1	200/250	219/247	219/247	464/464	195.4/219.4	200/225	216/243	461/461	461/461	205.1/229.1	225/250	225/252	225/252	489/489
			NONE	—	—	95.3/94.4	110/110	102/101	471	471	103.0/102.1	125/125	111/110	111/110	479	100.1/99.2	125/125	107/106	476	476	107.8/106.9	125/125	116/115	116/115	484
208/230-3-60	MED	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	111/111	479/479	108.4/117.3	125/125	107/108	476/476	476/476	118.1/126.9	125/150	116/117	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	163/180	479/479	173.5/162.4	200/250	160/177	476/476	476/476	183.2/172.1	200/175	169/186	169/186	484/484	
		281A00	56.3/75.0	156.4/180.4	193.7/216.5	200/250	214/241	471/471	471/471	203.3/226.2	225/250	223/250	223/250	479/479	199.7/222.5	200/250	220/246	476/476	476/476	209.3/232.2	225/250	229/255	229/255	484/484	
		NONE	—	—	98.8	125	106	487	475	108.5	125	115	115	475	103.6	125	111	472	472	111.3	125	120	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	115/116	475/475	112.8/122.8	125/125	111/113	472/472	472/472	122.4/132.4	125/150	120/122	120/122	480/480	
460-3-60	STD	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	167/186	475/475	177.9/187.9	200/175	164/182	472/472	472/472	187.6/177.6	200/200	173/191	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	227/255	475/475	204.0/228.0	225/250	224/251	472/472	472/472	213.7/237.7	225/250	233/260	233/260	480/480	
		NONE	—	—	43.9	50	47	252	252	47.2	60	51	51	256	46.1	50	49	254	254	49.4	60	53	53	258	
		282A00	25.0	30.1	52.8	60	49	252	252	56.9	60	52	52	256	55.5	60	51	254	254	59.6	60	55	55	258	
		283A00	50.0	60.1	75.2	80	83	252	252	79.4	80	87	87	256	78.0	80	86	254	254	82.1	90	89	89	258	
50HC**20	460-3-60	MED	284A00	75.0	90.2	105.3	110	118	252	252	109.5	125	121	256	108.1	125	120	254	254	112.2	125	124	124	258	
			NONE	—	—	45.5	50	49	259	263	48.8	60	52	52	263	47.7	60	51	261	261	51.0	60	55	55	265
			285A00	25.0	30.1	54.8	60	50	259	263	58.9	60	54	54	263	57.5	60	53	261	261	61.6	70	57	57	265
			286A00	50.0	60.1	77.2	80	85	259	263	81.4	90	89	89	263	80.0	80	87	261	261	84.1	90	91	91	265
			287A00	75.0	90.2	107.3	125	119	259	263	111.5	125	123	123	263	110.1	125	122	261	261	114.2	125	126	126	265
575-3-60	STD	HIGH-High Efficiency	282A00	25.0	30.1	47.7	60	51	257	261	51.0	60	55	261	49.9	60	54	259	259	53.2	60	58	58	263	
			283A00	50.0	60.1	60.1	80	87	257	261	84.1	90	91	91	82.7	90	89	261	261	86.9	90	94	94	263	
			284A00	75.0	90.2	110.1	125	122	257	261	114.2	125	126	126	112.8	125	125	259	259	117.0	125	128	128	263	
			NONE	—	—	33.5	40	36	193	193	36.8	45	40	40	197	35.2	40	38	195	195	38.5	45	42	42	199
			285A00	24.8	23.9	42.5	45	39	193	193	46.6	50	43	43	197	44.6	45	41	195	195	48.8	50	45	45	199
575-3-60	MED	HIGH-High Efficiency	286A00	49.6	47.7	72.3	80	66	193	193	76.4	80	70	197	74.4	80	68	195	195	78.5	80	72	72	199	
			287A00	74.4	71.6	84.2	90	94	193	197	88.4	90	98	98	86.4	90	96	195	195	90.5	100	100	100	199	
			NONE	—	—	36.3	45	39	207	207	39.6	45	43	43	211	38.0	45	41	209	209	41.3	50	45	45	213
			285A00	24.8	23.9	46.0	50	42	207	211	50.1	60	46	46	211	48.1	50	44	209	209	52.3	60	48	48	213
			286A00	49.6	47.7	75.8	80	70	207	211	79.9	80	73	73	211	77.9	80	72	209	209	82.0	90	75	75	213
575-3-60	STD	HIGH-High Efficiency	287A00	74.4	71.6	87.7	90	97	207	211	91.9	100	101	211	89.9	90	99	209	209	94.0	100	103	103	213	
			NONE	—	—	38.3	45	41	205	205	41.6	50	45	45	209	40.0	45	43	207	207	43.3	50	47	47	211
			285A00	24.8	23.9	48.5	50	45	205	205	52.6	60	48	48	209	50.6	60	47	207	207	54.8	60	50	50	211
			286A00	49.6	47.7	78.3	80	72	205	205	82.4	90	76	76	209	80.4	90	74	207	207	84.5	90	78	78	211
			287A00	74.4	71.6	90.2	100	99	205	205	94.4	100	103	103	209	92.4	100	101	207	207	96.5	100	105	105	211

See: "Legend and Notes for Tables 1 - 8" on page 24.

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	Norm (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	FLA	LRA	MCA	MCA	FUSE or HACR BRKR	FLA	LRA	MCA	MCA	FUSE or HACR BRKR	FLA	LRA	DISC. SIZE	DISC. SIZE				
50HC**24	208/230-3-60	STD	NONE	-	-	123.1	150	579	133	579	133	133	579	127.9	127.9	150	138	584	127.9	150	138	584		
			279A00	18.8/25.0	52.1/60.1	126.9/136.9	150/150	579/579	133/133	579/579	126.9/136.9	150/150	138/138	584/584	132.9/142.9	132.9/142.9	150/150	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	579/579	177/195	579/579	192.0/182.1	200/200	177/195	579/579	198.0/188.1	198.0/188.1	200/200	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	579/579	237/264	579/579	218.2/242.2	225/250	237/264	579/579	224.2/248.2	224.2/248.2	225/250	242/270	584/584	224.2/248.2	225/250	242/270	584/584	
			NONE	-	-	123.1	150	579	133	579	123.1	123.1	150	133	579	127.9	127.9	150	138	584	127.9	150	138	584
			279A00	18.8/25.0	52.1/60.1	126.9/136.9	150/150	579/579	133/133	579/579	126.9/136.9	150/150	133/133	579/579	132.9/142.9	132.9/142.9	150/150	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	579/579	177/195	579/579	192.0/182.1	200/200	177/195	579/579	198.0/188.1	198.0/188.1	200/200	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	579/579	237/264	579/579	218.2/242.2	225/250	237/264	579/579	224.2/248.2	224.2/248.2	225/250	242/270	584/584	224.2/248.2	225/250	242/270	584/584			
	460-3-60	STD	NONE	-	-	63.9	80	293	69	293	63.9	69	69	293	66.1	66.1	80	71	295	66.1	80	71	295	
			282A00	25.0	30.1	66.1	80	293	69	293	66.1	66.1	80	69	293	68.8	68.8	80	71	295	68.8	80	71	295
			283A00	50.0	60.1	88.6	90	293	95	293	88.6	88.6	90	95	293	91.3	91.3	100	98	295	91.3	100	98	295
			284A00	75.0	90.2	118.7	125	293	130	293	118.7	118.7	125	130	293	121.4	121.4	125	132	295	121.4	125	132	295
NONE			-	-	63.9	80	293	69	293	63.9	63.9	80	69	293	68.1	68.1	80	71	295	68.1	80	71	295	
282A00			25.0	30.1	66.1	80	293	69	293	66.1	66.1	80	69	293	68.8	68.8	80	71	295	68.8	80	71	295	
575-3-60	STD	NONE	-	-	125.8	150	333	102	333	125.8	102	102	333	98.4	98.4	100	104	335	98.4	100	104	335		
		285A00	24.8	23.9	54.6	60	219	54	219	54.6	54	54	219	56.7	56.7	60	55	221	56.7	60	55	221		
		286A00	49.6	47.7	84.3	90	219	78	219	84.3	84.3	90	78	219	86.5	86.5	90	80	221	86.5	90	80	221	
		287A00	74.4	71.6	96.3	100	219	105	219	96.3	96.3	100	105	219	98.4	98.4	100	107	221	98.4	100	107	221	
		NONE	-	-	49.6	60	219	54	219	49.6	49.6	60	54	219	51.3	51.3	60	55	221	51.3	60	55	221	
		285A00	24.8	23.9	54.6	60	219	54	219	54.6	54.6	60	54	219	56.7	56.7	60	55	221	56.7	60	55	221	
575-3-60	MED-High Efficiency	NONE	-	-	51.6	60	217	56	217	51.6	56	56	217	53.3	53.3	60	58	219	53.3	60	58	219		
		285A00	24.8	23.9	57.1	60	217	56	217	57.1	57.1	60	56	217	59.2	59.2	60	58	219	59.2	60	58	219	
		286A00	49.6	47.7	86.8	90	217	80	217	86.8	86.8	90	80	217	89.0	89.0	90	82	219	89.0	90	82	219	
		287A00	74.4	71.6	98.8	100	217	107	217	98.8	98.8	100	107	217	100.9	100.9	110	109	219	100.9	110	109	219	
		NONE	-	-	53.5	60	244	58	244	53.5	53.5	60	58	244	55.2	55.2	60	60	246	55.2	60	60	246	
		286A00	24.8	23.9	59.5	60	244	58	244	59.5	59.5	60	58	244	61.6	61.6	70	60	246	61.6	70	60	246	
575-3-60	HIGH-High Efficiency	NONE	-	-	101.2	110	244	110	244	101.2	110	110	244	103.3	103.3	110	112	246	103.3	110	112	246		
		286A00	49.6	47.7	89.2	90	244	82	244	89.2	89.2	90	82	244	91.3	91.3	100	84	246	91.3	100	84	246	
		287A00	74.4	71.6	101.2	110	244	110	244	101.2	101.2	110	110	244	103.3	103.3	110	112	246	103.3	110	112	246	

See: "Legend and Notes for Tables 1 - 8" on page 24.

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

UNIT	NO M, V-Pn-HZ	IFM TYPE	ELEC. HTR					NO C.O. or UNPWR C.O.											w/ PWRD C.O.										
			CHRHEATER ***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer					w/ ERV, w/ Economizer					w/ ERV, w/o Economizer					w/ ERV, w/ Economizer								
						MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA									
50HC**28	208/230-3-60	STD	NONE	-	-	157/156	623	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	153.1/152.2	200/200	162/161	153.1/152.2	200/200	162/161	628	628	628		
			279A00	18.8/25.0	52.1/60.1	157/156	623/623	148.3/147.4	175/175	157/156	623/623	148.3/147.4	175/175	157/156	623/623	153.1/152.2	200/200	162/161	153.1/152.2	200/200	162/161	153.1/152.2	200/200	162/161	628/628	628/628	628/628		
			280A00	37.6/50.0	104.2/120.3	173/190	623/623	187.7/176.6	200/200	173/190	623/623	187.7/176.6	200/200	173/190	623/623	193.7/182.6	200/200	178/196	193.7/182.6	200/200	178/196	193.7/182.6	200/200	178/196	628/628	628/628	628/628		
			281A00	56.3/75.0	156.4/180.4	233/259	623/623	213.8/236.7	225/250	233/259	623/623	213.8/236.7	225/250	233/259	623/623	219.8/242.7	225/250	238/265	219.8/242.7	225/250	238/265	219.8/242.7	225/250	238/265	628/628	628/628	628/628		
	460-3-60	STD	NONE	-	-	175	619	151.8	175	161	619	151.8	175	161	619	156.6	200	166	156.6	200	166	156.6	200	166	624	624	624		
			279A00	18.8/25.0	52.1/60.1	161/161	619/619	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	156.6/156.6	200/200	166/166	156.6/156.6	200/200	166/166	624/624	624/624	624/624		
			280A00	37.6/50.0	104.2/120.3	177/195	619/619	192.0/182.1	200/200	177/195	619/619	192.0/182.1	200/200	177/195	619/619	198.0/188.1	200/200	182/201	198.0/188.1	200/200	182/201	198.0/188.1	200/200	182/201	624/624	624/624	624/624		
			281A00	56.3/75.0	156.4/180.4	237/264	619/619	218.2/242.2	225/250	237/264	619/619	218.2/242.2	225/250	237/264	619/619	224.2/248.2	225/250	242/270	224.2/248.2	225/250	242/270	224.2/248.2	225/250	242/270	624/624	624/624	624/624		
575-3-60	STD	NONE	-	-	200	698	163.2	200	174	698	163.2	200	174	698	168.0	200	179	168.0	200	179	168.0	200	179	703	703	703			
		279A00	18.8/25.0	52.1/60.1	174/174	698/698	163.2/163.2	200/200	174/174	698/698	163.2/163.2	200/200	174/174	698/698	168.0/168.0	200/200	179/179	168.0/168.0	200/200	179/179	168.0/168.0	200/200	179/179	703/703	703/703	703/703			
		280A00	37.6/50.0	104.2/120.3	190/208	698/698	206.3/196.3	225/200	190/208	698/698	206.3/196.3	225/200	190/208	698/698	212.3/202.3	225/225	195/214	212.3/202.3	225/225	195/214	212.3/202.3	225/225	195/214	703/703	703/703	703/703			
		281A00	56.3/75.0	156.4/180.4	250/277	698/698	232.4/256.4	250/300	250/277	698/698	232.4/256.4	250/300	250/277	698/698	238.4/262.4	250/300	255/283	238.4/262.4	250/300	255/283	238.4/262.4	250/300	255/283	703/703	703/703	703/703			

See: Legend and Notes for Tables 1 - 8" on page 24.

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

UNIT	IFM TYPE	ELEC. HTR				NO C.O. or UNPWR C.O.								w/ PWRD C.O.								
		CRHEATER ***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer				w/ ERV, w/ Economizer							
					MCA	HACR BRKR	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**17	460-3-60	NONE	-	-	84.5	100	90	409	92.2	100	99	417	89.3	100	95	414	97.0	110	104	422	422	
				279A00	18.8/25.0	52.1/60.1	104.8/104.8	90/96	409/409	114.4/114.4	125/125	99/105	417/417	110.8/110.8	125/125	95/102	414/414	120.4/120.4	125/125	104/111	422/422	422/422
				280A00	37.6/50.0	104.2/120.3	159.9/159.9	147/166	409/409	169.6/169.6	175/175	156/175	417/417	165.9/165.9	175/175	153/171	414/414	175.6/175.6	200/200	162/180	422/422	422/422
				281A00	56.3/75.0	156.4/180.4	210.0/210.0	207/235	409/409	219.7/219.7	225/225	216/244	417/417	216.0/216.0	225/225	213/240	414/414	225.7/225.7	250/250	222/249	422/422	422/422
				279A00	18.8/25.0	52.1/60.1	108.6/108.6	93	439	95.3	110	102	447	92.4	100	99	444	100.1	125	108	452	452
				280A00	37.6/50.0	104.2/120.3	163.8/163.8	93/100	439/439	118.3/118.3	125/125	102/109	447/447	114.6/114.6	125/125	99/105	444/444	124.3/124.3	150/150	108/114	452/452	452/452
575-3-60	NONE	-	-	84.5	100	90	409	92.2	100	99	417	89.3	100	95	414	97.0	110	104	422	422		
			281A00	56.3/75.0	156.4/180.4	213.9/213.9	151/169	439/439	173.4/173.4	175/175	160/178	447/447	169.8/169.8	175/175	156/175	444/444	179.4/179.4	200/200	165/184	452/452	452/452	
			282A00	75.0	90.2	103.6	211/238	439/439	223.6/223.6	225/250	220/247	447/447	219.9/219.9	225/250	216/244	444/444	229.6/229.6	250/250	225/253	452/452	452/452	
			283A00	111.3/111.3	111.3/111.3	141/141	97/96	441	96.3/96.3	110/110	106/105	449	95.4/95.4	110/110	102/101	446	103.1/103.1	125/125	111/110	454	454	
			284A00	167.5/167.5	167.5/167.5	172/172	154/172	441/441	177.2/177.2	200/200	163/180	449/449	173.5/173.5	175/175	160/177	446/446	183.2/183.2	200/200	169/186	454/454	454/454	
			285A00	216.5/216.5	216.5/216.5	241/241	214/241	441/441	226.2/226.2	250/250	223/250	449/449	225.5/225.5	225/250	220/246	446/446	232.2/232.2	250/250	229/255	454/454	454/454	
460-3-60	STD	-	-	42.2	50	45	241	45.5	50	49	245	44.4	50	47	243	47.7	60	51	247	247		
			282A00	25.0	30.1	51.0	47	241	55.1	60	51	245	53.8	60	49	243	57.9	60	53	247	247	
			283A00	50.0	60.1	73.5	81	241	77.6	80	85	245	76.2	80	84	243	80.4	90	88	247	247	
			284A00	75.0	90.2	103.6	116	241	107.7	110	120	245	106.3	110	119	243	110.5	125	122	247	247	
			285A00	111.3/111.3	111.3/111.3	141/141	97/102	441/441	120.9/120.9	125/125	106/111	449/449	117.3/117.3	125/125	102/108	446/446	126.9/126.9	150/150	111/117	262	262	
			286A00	167.5/167.5	167.5/167.5	172/172	154/172	441/441	177.2/177.2	200/200	163/180	449/449	173.5/173.5	175/175	160/177	446/446	183.2/183.2	200/200	169/186	262	262	
460-3-60	MED	-	-	44.1	50	47	256	47.4	50	49	245	46.3	50	50	258	49.6	60	55	262	262		
			282A00	25.0	30.1	54.8	48	257	56.9	60	54	261	57.5	60	53	259	61.6	70	57	263	263	
			283A00	50.0	60.1	77.2	85	257	81.4	80	89	261	80.0	80	87	259	84.1	90	91	263	263	
			284A00	75.0	90.2	107.3	119	257	111.5	110	123	261	110.1	110	122	259	114.2	125	126	263	263	
			285A00	111.3/111.3	111.3/111.3	141/141	97/96	441	120.9/120.9	125/125	106/111	449/449	117.3/117.3	125/125	102/108	446/446	126.9/126.9	150/150	111/117	262	262	
			286A00	167.5/167.5	167.5/167.5	172/172	154/172	441/441	177.2/177.2	200/200	163/180	449/449	173.5/173.5	175/175	160/177	446/446	183.2/183.2	200/200	169/186	262	262	
575-3-60	STD	-	-	33.5	40	36	191	36.8	40	36	191	35.2	40	38	193	38.5	45	42	197	197		
			285A00	24.8	23.9	42.5	39	191	46.6	50	43	195	44.6	45	41	193	48.8	50	45	197	197	
			286A00	49.6	47.7	72.3	66	191	76.4	80	70	195	74.4	80	68	193	78.5	80	72	197	197	
			287A00	74.4	71.6	84.2	94	191	88.4	90	98	195	86.4	90	96	193	90.5	100	100	197	197	
			285A00	24.8	23.9	42.5	39	191	46.6	50	43	195	44.6	45	41	193	48.8	50	45	197	197	
			286A00	49.6	47.7	72.3	66	191	76.4	80	70	195	74.4	80	68	193	78.5	80	72	197	197	
575-3-60	MED	-	-	33.5	40	36	191	36.8	40	36	191	35.2	40	38	193	38.5	45	42	197	197		
			285A00	24.8	23.9	42.5	39	191	46.6	50	43	195	44.6	45	41	193	48.8	50	45	197	197	
			286A00	49.6	47.7	72.3	66	191	76.4	80	70	195	74.4	80	68	193	78.5	80	72	197	197	
			287A00	74.4	71.6	84.2	94	191	88.4	90	98	195	86.4	90	96	193	90.5	100	100	197	197	
			285A00	24.8	23.9	42.5	39	191	46.6	50	43	195	44.6	45	41	193	48.8	50	45	197	197	
			286A00	49.6	47.7	72.3	66	191	76.4	80	70	195	74.4	80	68	193	78.5	80	72	197	197	
575-3-60	HIGH	-	-	36.3	45	39	205	39.6	45	43	209	38.0	45	41	207	41.3	50	45	211	211		
			285A00	24.8	23.9	46.0	42	205	50.1	60	46	209	48.1	60	44	207	52.3	60	48	211	211	
			286A00	49.6	47.7	75.8	70	205	79.9	80	73	209	77.9	80	72	207	82.0	90	75	211	211	
			287A00	74.4	71.6	87.7	97	205	91.9	100	101	209	89.9	100	99	207	94.0	100	103	211	211	
			285A00	24.8	23.9	46.0	42	205	50.1	60	46	209	48.1	60	44	207	52.3	60	48	211	211	
			286A00	49.6	47.7	75.8	70	205	79.9	80	73	209	77.9	80	72	207	82.0	90	75	211	211	

See: "Legend and Notes for Tables 1 – 8" on page 24.

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/ 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	460-3-60	STD	NONE	-	-	91.9	100	98	456	99.6	125	107	464	98.7	110	103	461	104.4	125	112	469	489						
			279A00	18.8/25.0	52.1/60.1	108.1/108.1	110/110	98/99	456/456	117.8/117.8	125/125	107/108	464/464	114.1/114.1	125/125	103/105	461/461	123.8/123.8	125/125	112/114	469/469	489/469						
			280A00	37.6/50.0	104.2/120.3	163.3/163.3	175/175	150/169	456/456	172.9/172.9	175/175	159/178	464/464	168.3/169.3	175/175	156/174	461/461	178.9/178.9	200/200	165/183	469/469	489/469						
			281A00	56.3/75.0	156.4/180.4	213.4/213.4	225/225	210/238	456/456	223.1/223.1	225/250	219/247	464/464	219.4/219.4	225/225	216/243	461/461	229.1/229.1	250/250	225/252	469/469	489/469						
50HC**20	208/230-3-60	MED	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							
			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							
			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	169/186	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							
50HC**20	460-3-60	HIGH-High Efficiency	NONE	-	-	98.8	125	106	467	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	109/107	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							
			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							
			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							
50HC**20	460-3-60	STD	NONE	-	-	43.9	50	47	252	47.2	60	51	256	46.1	50	49	254	49.4	60	53	258							
			282A00	25.0	30.1	52.8	60	49	252	56.9	60	52	256	55.5	60	51	254	59.6	60	55	258							
			283A00	50.0	60.1	75.2	80	83	252	79.4	80	87	256	78.0	80	86	254	82.1	90	89	258							
			284A00	75.0	90.2	105.3	110	118	252	108.5	125	121	256	108.1	125	120	254	112.2	125	124	258							
50HC**20	460-3-60	MED	NONE	-	-	45.5	50	49	259	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	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	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	125	123	263	110.1	125	122	261	114.2	125	126	265							
50HC**20	460-3-60	HIGH-High Efficiency	NONE	-	-	47.7	60	51	257	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	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	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	125	126	261	112.8	125	125	259	117.0	125	128	263							
50HC**20	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							
			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							
			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							
			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							
50HC**20	575-3-60	MED	NONE	-	-	36.3	45	39	207	39.6	45	43	211	38.0	45	41	209	41.3	45	45	213							
			285A00	24.8	23.9	46.0	50	42	207	50.1	60	46	211	48.1	50	44	209	52.3	60	48	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							
			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							
50HC**20	575-3-60	HIGH-High Efficiency	NONE	-	-	38.3	45	41	205	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	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	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	100	103	209	92.4	100	101	207	96.5	100	105	211							

See: "Legend and Notes for Tables 1 - 8" on page 24.

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													
						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**24		STD	NONE	-	-	123.1	150	133	579	579	133	150	123.1	150	133	579	579	133	579	579	133	150	127.9	150	138	584	584	138	584	584	138	584		
			279A00	18.8/25.0	52.1/60.1	136.9/136.9	150/150	133/133	579/579	579/579	133/133	150/150	136.9/136.9	150/150	136.9/136.9	150/150	133/133	579/579	579/579	133/133	579/579	579/579	133/133	150/150	142.9/142.9	150/150	138/138	584/584	584/584	138/138	584/584	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	579/579	177/195	200/200	192.0/192.0	200/200	192.0/192.0	200/200	177/195	579/579	579/579	177/195	579/579	579/579	177/195	200/200	198.0/198.0	200/200	182/201	584/584	584/584	182/201	584/584	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	579/579	237/264	250/250	242.2/242.2	250/250	242.2/242.2	250/250	237/264	579/579	579/579	237/264	579/579	579/579	237/264	250/250	248.2/248.2	250/250	242/270	584/584	584/584	242/270	584/584	584/584	242/270	584/584
460-3-60		MED-High Efficiency	NONE	-	-	134.5	150	146	658	658	146	150	134.5	150	146	658	658	146	658	658	146	150	139.3	150	152	663	663	152	663	663	152	663		
			279A00	18.8/25.0	52.1/60.1	151.2/151.2	175/175	146/146	658/658	658/658	146/146	175/175	151.2/151.2	175/175	151.2/151.2	175/175	146/146	658/658	658/658	146/146	658/658	658/658	146/146	175/175	152/152	175/175	152/152	663/663	663/663	152/152	663/663	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	658/658	190/208	225/225	206.3/206.3	225/225	206.3/206.3	225/225	190/208	658/658	658/658	190/208	658/658	658/658	190/208	225/225	212.3/212.3	225/225	195/214	663/663	663/663	195/214	663/663	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	658/658	250/277	300/300	256.4/256.4	300/300	256.4/256.4	300/300	250/277	658/658	658/658	250/277	658/658	658/658	250/277	300/300	262.4/262.4	300/300	255/283	663/663	663/663	255/283	663/663	663/663	255/283	663/663
575-3-60		STD	NONE	-	-	69.6	80	75	333	333	75	80	69.6	80	75	333	333	75	333	333	75	80	71.8	80	78	335	335	78	335	335	78	335		
			282A00	25.0	30.1	73.2	80	75	333	333	75	80	73.2	80	75	333	333	75	333	333	75	80	76.0	80	78	335	335	78	335	335	78	335		
			283A00	50.0	60.1	95.7	100	102	333	333	102	100	95.7	100	95.7	100	102	333	333	102	100	98.4	100	98.4	100	104	335	335	104	335	335	104	335	
			284A00	75.0	90.2	125.8	150	136	333	333	136	150	125.8	150	125.8	150	136	333	333	136	150	128.5	150	128.5	150	139	335	335	139	335	335	139	335	
575-3-60		MED-High Efficiency	NONE	-	-	51.6	60	56	217	217	56	60	51.6	60	56	217	217	56	217	217	56	60	53.3	60	58	219	219	58	219	219	58	219		
			285A00	24.8	23.9	57.1	60	56	217	217	56	60	57.1	60	57.1	60	56	217	217	56	60	59.2	60	59.2	60	58	219	219	58	219	219	58	219	
			286A00	49.6	47.7	86.8	90	80	217	217	80	90	86.8	90	86.8	90	80	217	217	80	90	88.0	90	88.0	90	82	219	219	82	219	219	82	219	
			287A00	74.4	71.6	98.8	100	107	217	217	107	100	98.8	100	98.8	100	107	217	217	107	100	100.9	110	100.9	110	109	219	219	109	219	219	109	219	
575-3-60		HIGH-High Efficiency	NONE	-	-	101.2	110	110	244	244	110	110	101.2	110	110	244	244	110	110	244	244	110	110	103.3	110	112	246	246	112	246	246	112	246	
			285A00	24.8	23.9	59.5	60	58	244	244	58	60	59.5	60	59.5	60	58	244	244	58	60	61.6	60	61.6	60	60	246	246	60	246	246	60	246	
			286A00	49.6	47.7	89.2	90	82	244	244	82	90	89.2	90	89.2	90	82	244	244	82	90	91.3	100	91.3	100	84	246	246	84	246	246	84	246	
			287A00	74.4	71.6	101.2	110	110	244	244	110	110	101.2	110	101.2	110	110	244	244	110	110	103.3	110	103.3	110	112	246	246	110	112	246	110	112	

See: "Legend and Notes for Tables 1 - 8" on page 24.

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

UNIT	NO M. V-PH-HZ	NO C.O. or UNPWR C.O.											w/ PWRD C.O.													
		ELEC. HTR					w/ ERV, w/o Economizer					w/ ERV, w/ Economizer					w/ ERV, w/o Economizer					w/ ERV, w/ Economizer				
		CRHEATER **A00	Norm (kW)	FLA	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	460-3-60	NONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
		282A00	25.0	30.1	67.1	67.1	80	72	321	67.1	80	72	321	67.1	80	72	321	67.1	80	72	321	67.1	80	72	321	
		283A00	50.0	60.1	85.8	85.8	90	93	321	85.8	90	93	321	85.8	90	93	321	85.8	90	93	321	85.8	90	93	321	
		284A00	75.0	90.2	115.9	115.9	125	127	321	115.9	125	127	321	115.9	125	127	321	115.9	125	127	321	115.9	125	127	321	
		NONE	-	-	69.3	69.3	80	74	319	69.3	80	74	319	69.3	80	74	319	69.3	80	74	319	69.3	80	74	319	
50HC**28	460-3-60	282A00	25.0	30.1	69.3	69.3	80	74	69.3	80	74	319	69.3	80	74	319	69.3	80	74	319	69.3	80	74	319		
		283A00	50.0	60.1	88.6	88.6	90	95	319	88.6	90	95	319	88.6	90	95	319	88.6	90	95	319	88.6	90	95	319	
		284A00	75.0	90.2	118.7	118.7	125	130	319	118.7	125	130	319	118.7	125	130	319	118.7	125	130	319	118.7	125	130	319	
		NONE	-	-	75.0	75.0	90	81	359	75.0	90	81	359	75.0	90	81	359	75.0	90	81	359	75.0	90	81	359	
		282A00	25.0	30.1	75.0	75.0	90	81	359	75.0	90	81	359	75.0	90	81	359	75.0	90	81	359	75.0	90	81	359	
50HC**28	460-3-60	285A00	25.0	30.1	95.7	95.7	100	102	95.7	100	102	359	95.7	100	102	359	95.7	100	102	359	95.7	100	102	359		
		286A00	50.0	60.1	125.8	125.8	150	136	359	125.8	150	136	359	125.8	150	136	359	125.8	150	136	359	125.8	150	136	359	
		287A00	75.0	90.2	158.4	158.4	180	166	359	158.4	180	166	359	158.4	180	166	359	158.4	180	166	359	158.4	180	166	359	
		NONE	-	-	54.5	54.5	60	58	243	54.5	60	58	243	54.5	60	58	243	54.5	60	58	243	54.5	60	58	243	
		285A00	25.0	30.1	54.6	54.6	60	58	243	54.6	60	58	243	54.6	60	58	243	54.6	60	58	243	54.6	60	58	243	
50HC**28	460-3-60	286A00	24.8	23.9	84.3	84.3	90	78	84.3	90	78	243	84.3	90	78	243	84.3	90	78	243	84.3	90	78	243		
		287A00	49.6	47.7	96.3	96.3	100	105	243	96.3	100	105	243	96.3	100	105	243	96.3	100	105	243	96.3	100	105	243	
		288A00	74.4	71.6	101.2	101.2	110	110	243	101.2	110	110	243	101.2	110	110	243	101.2	110	110	243	101.2	110	110	243	
		NONE	-	-	56.5	56.5	70	61	241	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	57.1	57.1	70	61	241	57.1	70	61	241	57.1	70	61	241	57.1	70	61	241	57.1	70	61	241	
50HC**28	460-3-60	286A00	49.6	47.7	86.8	86.8	90	80	241	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	98.8	98.8	100	107	241	98.8	100	107	241	98.8	100	107	241	98.8	100	107	241	98.8	100	107	241	
		288A00	74.4	71.6	101.2	101.2	110	110	241	101.2	110	110	241	101.2	110	110	241	101.2	110	110	241	101.2	110	110	241	
		NONE	-	-	58.4	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	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	
50HC**28	460-3-60	286A00	49.6	47.7	89.2	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	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	
		288A00	74.4	71.6	101.2	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	
		NONE	-	-	58.4	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	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	

See: "Legend and Notes for Tables 1 - 8" on page 24.

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

UNIT	NO M. V-PH-HZ	ELEC. HTR										NO C.O. or UNPWR C.O.										w/ PWRD C.O.									
		IFM TYPE	ORHEATER ***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	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA								
50HC**17	460-3-60	STD	NONE	—	—	42.6	50	45	240	45.9	50	49	244	44.8	50	48	242	48.1	60	52	258	48.1	60	52	246						
						51.5	60	47	240	55.6	60	51	244	54.3	60	50	242	54.3	60	50	242	58.4	60	54	246	58.4	60	54	246		
						74.0	80	82	240	78.1	80	86	244	76.7	80	84	242	76.7	80	84	242	80.9	90	88	246	80.9	90	88	246		
						104.1	110	116	240	108.2	110	120	244	106.8	110	119	242	106.8	110	119	242	111.0	125	123	246	111.0	125	123	246		
50HC**17	460-3-60	MED	NONE	—	—	43.7	50	47	252	47.0	60	50	256	45.9	60	50	254	49.2	60	53	258	49.2	60	53	258						
						52.9	60	49	252	57.0	60	52	256	55.6	60	51	254	55.6	60	51	254	59.8	60	55	258	59.8	60	55	258		
						75.4	80	83	252	79.5	80	87	256	78.1	80	86	254	78.1	80	86	254	82.2	90	89	258	82.2	90	89	258		
						107.3	125	119	257	109.6	125	122	256	108.2	125	120	254	108.2	125	120	254	112.3	125	124	258	112.3	125	124	258		
50HC**17	460-3-60	HIGH	NONE	—	—	45.2	50	48	257	48.5	60	52	261	47.4	60	51	259	50.7	60	55	263	50.7	60	55	263						
						54.8	60	50	257	58.9	60	54	261	57.5	60	53	259	57.5	60	53	259	61.6	70	57	263	61.6	70	57	263		
						77.2	80	85	257	81.4	90	89	261	80.0	90	87	259	80.0	90	87	259	84.1	90	91	263	84.1	90	91	263		
						107.3	125	119	257	111.5	125	123	261	110.1	125	122	259	110.1	125	122	259	114.2	125	126	263	114.2	125	126	263		
50HC**17	575-3-60	STD	NONE	—	—	35.2	40	38	191	38.5	45	42	195	36.9	45	40	193	40.2	45	43	197	40.2	45	43	197						
						44.6	45	41	191	48.8	50	45	195	46.8	50	43	193	46.8	50	43	193	50.9	60	47	197	50.9	60	47	197		
						74.4	80	68	191	78.5	80	72	195	76.5	80	70	193	76.5	80	70	193	80.6	90	74	197	80.6	90	74	197		
						86.4	90	96	191	90.5	100	100	195	88.5	90	98	193	88.5	90	98	193	92.6	100	102	197	92.6	100	102	197		
50HC**17	575-3-60	MED	NONE	—	—	35.2	40	38	191	38.5	45	42	195	36.9	45	40	193	40.2	45	43	197	40.2	45	43	197						
						44.6	45	41	191	48.8	50	45	195	46.8	50	43	193	46.8	50	43	193	50.9	60	47	197	50.9	60	47	197		
						74.4	80	68	191	78.5	80	72	195	76.5	80	70	193	76.5	80	70	193	80.6	90	74	197	80.6	90	74	197		
						86.4	90	96	191	90.5	100	100	195	88.5	90	98	193	88.5	90	98	193	92.6	100	102	197	92.6	100	102	197		
50HC**17	575-3-60	HIGH	NONE	—	—	36.9	45	40	205	40.2	45	43	209	38.6	45	42	207	41.9	50	45	211	41.9	50	45	211						
						46.8	50	43	205	50.9	60	47	209	48.9	60	45	207	48.9	60	45	207	53.0	60	49	211	53.0	60	49	211		
						76.5	80	70	205	80.6	90	74	209	78.6	80	72	207	78.6	80	72	207	82.8	90	76	211	82.8	90	76	211		
						88.5	90	98	205	92.6	100	102	209	90.6	100	100	207	90.6	100	100	207	94.7	100	104	211	94.7	100	104	211		

See: "Legend and Notes for Tables 1 – 8" on page 24.

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/ Economizer					w/ ERV, w/o Economizer					w/ ERV, w/ Economizer																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
						MCA	MAX FUSE or HACR BRKR	FLA	LRA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	LRA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	LRA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	LRA	DISC. SIZE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
50HC**20	460-3-60	STD	NONE	18.8/25.0	52.1/60.1	92.5/91.5	100/100	98/97	460	468	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	468/468	107/108	465/465	104/105	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	160/177	468/468	170.0/158.8	175/175	156/174	465/465	179.7/168.5	200/175	165/183	473/473	281A00	56.3/75.0	156.4/180.4	190.2/212.9	200/225	211/237	460/460	199.8/222.6	200/250	220/246	468/468	205.8/228.6	225/250	225/252	473/473	NONE	-	-	95.3/94.4	110/110	102/101	471	479	111/110	479	100./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	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	200/175	163/180	479/479	183.2/172.1	200/175	169/186	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	225/250	223/250	479/479	199.7/222.5	200/250	229/250	484/484	NONE	-	-	98.8	125	106	467	475	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	125/150	115/116	475/475	112.8/122.8	125/150	111/113	472/472	122.4/132.4	200/200	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	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	204.0/228.0	225/250	224/251	472/472	213.7/237.7	225/250	233/260	480/480	NONE	-	-	44.0	50	47	254	258	51	258	46.2	50	49	256	49.5	60	53	260	282A00	25.0	30.1	52.9	60	49	254	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	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	125	122	258	108.2	125	120	256	112.3	125	124	260	NONE	-	-	45.5	50	49	259	263	52	263	47.7	60	51	261	51.0	60	55	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	283A00	50.0	60.1	77.2	80	85	259	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	125	123	263	110.1	125	122	261	114.2	125	126	265	NONE	-	-	47.7	60	51	257	261	55	261	49.9	60	54	259	53.2	60	58	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	283A00	50.0	60.1	80.0	90	87	257	84.1	90	91	261	86.9	90	94	263	284A00	75.0	90.2	110.1	125	122	257	114.2	125	126	261	117.0	125	128	263	NONE	-	-	35.2	40	38	193	197	42	197	36.9	45	40	195	40.2	45	43	199	285A00	24.8	23.9	44.6	45	41	193	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	80	72	197	76.5	80	74	199	287A00	74.4	71.6	86.4	90	96	193	90.5	100	100	197	88.5	90	98	195	92.6	100	102	199	NONE	-	-	36.9	45	40	207	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	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	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	100	102	211	90.6	100	100	209	94.7	100	104	213	NONE	-	-	38.3	45	41	205	41.6	45	43	209	43.3	50	47	211	47	50	47	213	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	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	287A00	74.4	71.6	90.2	100	99	205	94.4	100	103	205	92.4	100	101	207	96.5	100	105	211

See: "Legend and Notes for Tables 1 - 8" on page 24.

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.																			
			ORHEATER ***A00	Nom (kW)	FLA	w/ ERV, w/o Economizer			w/ ERV, w/ Economizer			w/ ERV, w/o Economizer			w/ ERV, w/ Economizer										
						MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA								
50HC**24	460-3-60	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
			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	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
			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	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
			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	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
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
			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	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
			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	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
			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	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	460-3-60	STD	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
			279A00	18.8/25.0	52.1/60.1	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
			280A00	37.6/50.0	104.2/120.3	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
			281A00	56.3/75.0	156.4/180.4	232.4/256.4	250/300	250/277	658/658	232.4/256.4	250/300	250/277	658/658	238.4/262.4	250/300	255/283	663/663	238.4/262.4	250/300	255/283	663/663	238.4/262.4	250/300	255/283	663/663
50HC**24	460-3-60	MED	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
			282A00	25.0	30.1	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
			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
			284A00	75.0	90.2	115.9	125	127	295	115.9	125	127	295	118.7	125	130	297	118.7	125	130	297	118.7	125	130	297
50HC**24	460-3-60	HIGH	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
			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
			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
			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
50HC**24	460-3-60	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
			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
			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
			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
50HC**24	460-3-60	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
			285A00	24.8	23.9	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
			286A00	49.6	47.7	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
			287A00	74.4	71.6	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
50HC**24	460-3-60	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
			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
			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
			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
50HC**24	460-3-60	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
			285A00	24.8	23.9	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
			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
			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

See: "Legend and Notes for Tables 1 - 8" on page 24.

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/ PWDR C.O.															
			ORHEATER ***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	MAX FUSE or HACR BRKR	FLA	LRA	MCA	MAX FUSE or HACR BRKR	FLA	LRA	MCA	MAX FUSE or HACR BRKR	FLA	LRA	MCA	MAX FUSE or HACR BRKR	FLA	LRA	DISC. SIZE					
STD	208/230-3-60	NONE	-	-	148.3/147.4	157/175	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	162/161	628	628			
				18.8/25.0	52.1/60.1	148.3/147.4	175/175	157/156	623/623	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	162/161	628/628	162/161	628/628	628/628	628/628	
				37.6/50.0	104.2/120.3	187.7/176.6	200/200	173/190	623/623	187.7/176.6	200/200	173/190	623/623	193.7/182.6	200/200	178/196	628/628	193.7/182.6	200/200	178/196	628/628	178/196	628/628	178/196	628/628	628/628
				56.3/75.0	156.4/180.4	213.8/236.7	225/250	233/259	623/623	213.8/236.7	225/250	233/259	623/623	219.8/242.7	225/250	238/265	628/628	219.8/242.7	225/250	238/265	628/628	238/265	628/628	238/265	628/628	628/628
MED	208/230-3-60	NONE	-	-	151.8	175	161	619	151.8	175	161	619	156.6	200	166	624	156.6	200	166	624	166	624	624			
				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	166/166	624/624	624/624		
				37.6/50.0	104.2/120.3	192.0/182.1	200/200	177/195	619/619	192.0/182.1	200/200	177/195	619/619	198.0/188.1	200/200	182/201	624/624	198.0/188.1	200/200	182/201	624/624	182/201	624/624	624/624		
				56.3/75.0	156.4/180.4	218.2/242.2	225/250	237/264	619/619	218.2/242.2	225/250	237/264	619/619	224.2/248.2	225/250	242/270	624/624	224.2/248.2	225/250	242/270	624/624	242/270	624/624	242/270	624/624	
HIGH	208/230-3-60	NONE	-	-	163.2	200	174	698	163.2	200	174	698	168.0	200	179	703	168.0	200	179	703	179	703	703			
				18.8/25.0	52.1/60.1	163.2/163.2	200/200	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	179/179	703/703	703/703		
				37.6/50.0	104.2/120.3	206.3/196.3	225/200	190/208	698/698	206.3/196.3	225/200	190/208	698/698	212.3/202.3	225/225	195/214	703/703	212.3/202.3	225/225	195/214	703/703	195/214	703/703	703/703		
				56.3/75.0	156.4/180.4	232.4/256.4	250/300	250/277	698/698	232.4/256.4	250/300	250/277	698/698	238.4/262.4	250/300	255/283	703/703	238.4/262.4	250/300	255/283	703/703	255/283	703/703	703/703		
STD	460-3-60	NONE	-	-	67.1	80	72	321	67.1	80	72	321	69.3	80	74	323	69.3	80	74	323	74	323	323			
				25.0	30.1	67.1	80	72	321	67.1	80	72	321	69.3	80	74	323	69.3	80	74	323	74	323	323		
				50.0	60.1	85.8	90	93	321	85.8	90	93	321	88.6	90	95	323	88.6	90	95	323	95	323	323		
				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	
MED	460-3-60	NONE	-	-	69.3	80	74	319	69.3	80	74	319	71.5	90	77	321	71.5	90	77	321	77	321	321			
				25.0	30.1	69.3	80	74	319	69.3	80	74	319	71.5	90	77	321	71.5	90	77	321	77	321	321		
				50.0	60.1	88.6	90	95	319	88.6	90	95	319	91.3	100	98	321	91.3	100	98	321	98	321	321		
				75.0	90.2	118.7	125	130	319	118.7	125	130	319	121.4	125	132	321	121.4	125	132	321	132	321	321		
HIGH	460-3-60	NONE	-	-	75.0	90	81	359	75.0	90	81	359	77.2	90	83	361	77.2	90	83	361	83	361	361			
				25.0	30.1	75.0	90	81	359	75.0	90	81	359	77.2	90	83	361	77.2	90	83	361	83	361	361		
				50.0	60.1	95.7	100	102	359	95.7	100	102	359	98.4	100	104	361	98.4	100	104	361	104	361	361		
				75.0	90.2	125.8	150	136	359	125.8	150	136	359	128.5	150	139	361	128.5	150	139	361	139	361	361		
STD	575-3-60	NONE	-	-	55.1	60	59	243	55.1	60	59	243	56.8	70	61	245	56.8	70	61	245	61	245	245			
				24.8	23.9	55.3	60	59	243	55.3	60	59	243	57.5	70	61	245	57.5	70	61	245	61	245	245		
				49.6	47.7	85.1	90	78	243	85.1	90	78	243	87.2	90	80	245	87.2	90	80	245	80	245	245		
				74.4	71.6	97.1	100	106	243	97.1	100	106	243	99.2	100	108	245	99.2	100	108	245	108	245	245		
MED	575-3-60	NONE	-	-	56.5	70	61	241	56.5	70	61	241	58.2	70	63	243	58.2	70	63	243	63	243	243			
				24.8	23.9	57.1	70	61	241	57.1	70	61	241	59.2	70	63	243	59.2	70	63	243	63	243	243		
				49.6	47.7	86.8	90	80	241	86.8	90	80	241	89.0	90	82	243	89.0	90	82	243	82	243	243		
				74.4	71.6	98.8	100	107	241	98.8	100	107	241	100.9	110	109	243	100.9	110	109	243	109	243	243		
HIGH	575-3-60	NONE	-	-	58.4	70	63	268	58.4	70	63	268	60.1	70	65	270	60.1	70	65	270	65	270	270			
				24.8	23.9	59.5	70	63	268	59.5	70	63	268	61.6	70	65	270	61.6	70	65	270	65	270	270		
				49.6	47.7	89.2	90	82	268	89.2	90	82	268	91.3	100	84	270	91.3	100	84	270	84	270	270		
				74.4	71.6	101.2	110	110	268	101.2	110	110	268	103.3	110	112	270	103.3	110	112	270	112	270	270		

See: "Legend and Notes for Tables 1 - 8" on page 24.

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

UNIT	NO M. V.-Ph-HZ	NO C.O. or UNPWR C.O.											w/ PWRD C.O.													
		ELEC. HTR					w/ ERV, w/o Economizer					w/ ERV, w/ Economizer					w/ ERV, w/o Economizer					w/ ERV, w/ Economizer				
		CRHEATER ***A00	Nom (kW)	FLA	MCA	HACR BRKR	FLA	DISC. SIZE LRA	MCA	HACR BRKR	MCA	HACR BRKR	FLA	DISC. SIZE LRA	MCA	HACR BRKR	FLA	DISC. SIZE LRA	MCA	HACR BRKR	FLA	DISC. SIZE LRA				
50HC**17	460-3-60	NONE	-	-	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	106/105	106/105	106/105	419				
					18.8/25.0	52.1/60.1	105.1/105.1	110/110	91/97	406/406	114.8/114.8	125/125	100/106	414/414	111.1/111.1	125/125	97/102	411/411	120.8/120.8	125/125	106/111	106/111	106/111	419/419		
					37.6/50.0	104.2/120.3	161.3/161.3	175/175	148/166	406/406	170.9/170.9	175/175	157/175	414/414	167.3/167.3	175/175	154/171	411/411	176.9/176.9	200/200	163/180	163/180	163/180	419/419		
					280A00	56.3/75.0	156.4/180.4	210.4/210.4	225/225	208/235	406/406	220.1/220.1	225/225	217/244	414/414	216.4/216.4	225/225	214/241	411/411	226.1/226.1	250/250	223/249	223/249	223/249	419/419	
					NONE	-	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	108/107	108/107	108/107	443		
					279A00	18.8/25.0	52.1/60.1	107.6/107.6	110/110	94/99	430/430	117.3/117.3	125/125	103/108	438/438	113.6/113.6	125/125	99/105	435/435	123.3/123.3	125/125	108/113	108/113	108/113	443/443	
					280A00	37.6/50.0	104.2/120.3	164.0/164.0	175/175	151/168	430/430	173.7/173.7	175/175	160/177	438/438	170.0/170.0	175/175	156/174	435/435	179.7/179.7	200/200	165/183	165/183	165/183	443/443	
					281A00	56.3/75.0	156.4/180.4	212.9/212.9	225/225	211/237	430/430	222.6/222.6	225/250	220/246	438/438	218.9/218.9	225/225	216/243	435/435	228.6/228.6	250/250	225/252	225/252	225/252	443/443	
50HC**17	460-3-60	NONE	-	-	90.6/90.6	100/100	97/96	441	96.3/96.3	110/110	106/105	449	95.4/95.4	110/110	102/101	446	103.1/103.1	125/125	111/110	111/110	111/110	454				
					18.8/25.0	52.1/60.1	111.3/111.3	125/125	97/102	441/441	120.9/120.9	125/125	106/111	449/449	117.3/117.3	125/125	102/108	446/446	126.9/126.9	150/150	111/117	111/117	111/117	454/454		
					37.6/50.0	104.2/120.3	167.5/167.5	175/175	154/172	441/441	177.2/177.2	200/200	163/180	449/449	173.5/173.5	175/175	160/177	446/446	183.2/183.2	200/200	169/186	169/186	169/186	454/454		
					281A00	56.3/75.0	156.4/180.4	216.5/216.5	225/250	214/241	441/441	226.2/226.2	250/250	223/250	449/449	222.5/222.5	225/250	220/246	446/446	232.2/232.2	250/250	229/255	229/255	229/255	454/454	
					NONE	-	42.6	50	45	240	45.9	50	49	244	44.8	50	48	242	48.1	60	52	60	52	60	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	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	90	88	246	
					284A00	75.0	90.2	104.1	110	116	240	108.2	110	120	244	106.8	110	110	242	111.0	125	123	125	123	246	
50HC**17	460-3-60	NONE	-	-	43.7	50	47	252	47.0	60	50	256	45.9	60	49	254	49.2	60	53	60	53	258				
					25.0	30.1	52.9	60	49	252	57.0	60	52	256	55.6	60	51	254	59.8	60	55	60	55	258		
					50.0	60.1	75.4	80	83	252	79.5	80	87	256	78.1	80	86	254	82.2	90	89	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	125	124	258	
					NONE	-	45.2	50	48	257	48.5	60	52	261	47.4	60	51	259	50.7	60	55	60	55	263		
					282A00	25.0	30.1	54.8	60	50	257	56.9	60	54	261	57.5	60	53	259	61.6	70	57	70	57	263	
					283A00	50.0	60.1	77.2	80	85	257	81.4	80	89	261	80.0	80	87	259	84.1	90	91	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	125	126	263	
575-3-60	460-3-60	NONE	-	-	35.2	40	38	191	38.5	45	42	195	36.9	45	40	193	40.2	45	43	45	43	197				
					24.8	23.9	44.6	45	41	191	46.8	50	45	195	46.8	50	43	193	50.9	60	47	60	47	197		
					49.6	47.7	74.4	80	68	191	78.5	80	72	195	76.5	80	70	193	80.6	90	74	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	100	102	197	
					NONE	-	35.2	40	38	191	38.5	45	42	195	36.9	45	40	193	40.2	45	43	45	43	197		
					285A00	24.8	23.9	44.6	45	41	191	46.8	50	45	195	46.8	50	43	193	50.9	60	47	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	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	100	102	197	
575-3-60	460-3-60	NONE	-	-	36.9	45	40	205	40.2	45	43	209	38.6	45	42	207	41.9	50	45	50	45	211				
					24.8	23.9	46.8	50	43	205	50.9	60	47	209	48.9	60	45	207	53.0	60	49	60	49	211		
					49.6	47.7	76.5	80	70	205	80.6	80	74	209	78.6	80	72	207	82.8	90	76	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	100	104	211	
					NONE	-	36.9	45	40	205	40.2	45	43	209	38.6	45	42	207	41.9	50	45	50	45	211		
					285A00	24.8	23.9	46.8	50	43	205	50.9	60	47	209	48.9	60	45	207	53.0	60	49	60	49	211	
					286A00	49.6	47.7	76.5	80	70	205	80.6	80	74	209	78.6	80	72	207	82.8	90	76	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	100	104	211	

See: "Legend and Notes for Tables 1 – 8" on page 24.

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.																			
			CRHEATER **A00	Nom (kW)	FLA	w/ ERV, w/o Economizer				w/ ERV, w/o Economizer				w/ ERV, w/ Economizer											
						MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA								
50HC**20	460-3-60	STD	NONE	-	-	92.5/92.5	100/100	98/97	480	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	480/460	107/108	468/468	117.3/117.3	125/125	107/108	468/468	113.6/113.6	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	480/480	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	165/183	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	228.9/228.9	250/250	225/252	473/473		
50HC**20	208/230-3-60	MED	NONE	-	-	95.3/95.3	110/110	102/101	471	111/110	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	111/111	479/479	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		
			280A00	37.6/50.0	104.2/120.3	167.5/167.5	175/175	154/172	471/471	163/180	479/479	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	169/186	484/484		
			281A00	56.3/75.0	156.4/180.4	216.5/216.5	225/250	214/241	471/471	223/250	479/479	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		
50HC**20	460-3-60	STD	NONE	-	-	98.8	125	106	467	115	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	115/116	475/475	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		
			280A00	37.6/50.0	104.2/120.3	171.9/171.9	175/175	158/177	467/467	167/186	475/475	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		
			281A00	56.3/75.0	156.4/180.4	222.0/222.0	225/250	218/246	467/467	227/255	475/475	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		
50HC**20	460-3-60	MED	NONE	-	-	44.0	50	47	254	51	258	47.3	60	51	258	46.2	60	49	256	49.5	60	53	260		
			282A00	25.0	30.1	52.9	60	49	254	52	258	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	87	258	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	122	258	108.6	125	122	258	108.2	125	120	256	112.3	125	124	260		
50HC**20	460-3-60	HIGH	NONE	-	-	45.5	50	49	259	52	263	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	54	263	56.9	60	54	263	57.5	60	53	261	61.6	70	57	265		
			283A00	50.0	60.1	77.2	80	85	259	89	263	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	123	263	111.5	125	123	263	110.1	125	122	261	114.2	125	126	265		
50HC**20	575-3-60	STD	NONE	-	-	35.2	40	38	193	42	197	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	45	197	48.8	50	45	197	48.8	50	43	195	50.9	60	47	199		
			286A00	49.6	47.7	74.4	80	68	193	76.5	80	72	197	76.5	80	70	197	76.5	80	70	195	80.6	90	74	199
			287A00	74.4	71.6	86.4	90	96	193	88.5	90	96	90.5	100	100	197	88.5	90	98	195	92.6	100	102	199	
50HC**20	575-3-60	MED	NONE	-	-	36.9	45	40	207	43	211	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	47	211	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	74	211	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	90	102	92.6	100	102	211	90.6	100	100	209	94.7	100	104	213	
50HC**20	575-3-60	HIGH	NONE	-	-	38.3	45	41	205	45	209	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	48	209	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	80	76	209	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	100	103	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 24.

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

UNIT	NO M. V.-Ph-HZ	ELEC. HTR		NO C.O. or UNPWR C.O.										w/ PWRD C.O.													
				w/ ERV, w/o Economizer					w/ ERV, w/ Economizer					w/ ERV, w/o Economizer					w/ ERV, w/ Economizer								
				CRHEATER ***A00	Nom (kW)	FLA	MCA	HACR BRKR	FLA	LRA	DISC. SIZE	MCA	HACR BRKR	FLA	LRA	DISC. SIZE	MCA	HACR BRKR	FLA	LRA	DISC. SIZE	MCA	HACR BRKR	FLA	LRA	DISC. SIZE	
50HC**24	460-3-60	STD	-	NONE	-	-	119.6/119.6	150/150	129/128	583	129/128	583	129/128	583	129/128	583	129/128	583	129/128	583	129/128	583	129/128	583	129/128		
				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	131.4/131.4	150/150	129/128	583/583	131.4/131.4	150/150	129/128	583/583	131.4/131.4	150/150	129/128	583/583	
				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	187.7/187.7	200/200	173/190	583/583	187.7/187.7	200/200	173/190	583/583	187.7/187.7	200/200	173/190	583/583	187.7/187.7
				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	236.7/236.7	250/250	233/259	583/583	236.7/236.7	250/250	233/259	583/583	236.7/236.7	250/250	233/259	583/583	236.7/236.7
				NONE	-	-	123.1	150	133	123.1	150	133	579	133	579	133	579	133	579	133	579	133	579	133	579	133	579
				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	136.9/136.9	150/150	133/133	579/579	136.9/136.9	150/150	133/133	579/579	136.9/136.9	150/150	133/133	579/579	136.9/136.9
				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	192.0/192.0	200/200	177/195	579/579	192.0/192.0	200/200	177/195	579/579	192.0/192.0	200/200	177/195	579/579	192.0/192.0
				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	242.2/242.2	250/250	237/264	579/579	242.2/242.2	250/250	237/264	579/579	242.2/242.2	250/250	237/264	579/579	242.2/242.2
				NONE	-	-	134.5	150	146	658	134.5	150	146	658	134.5	150	146	658	134.5	150	146	658	134.5	150	146	658	134.5
				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	151.2/151.2	175/175	146/146	658/658	151.2/151.2	175/175	146/146	658/658	151.2/151.2	175/175	146/146	658/658	151.2/151.2
				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	206.3/206.3	225/225	190/208	658/658	206.3/206.3	225/225	190/208	658/658	206.3/206.3	225/225	190/208	658/658	206.3/206.3
				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	256.4/256.4	300/300	250/277	658/658	256.4/256.4	300/300	250/277	658/658	256.4/256.4	300/300	250/277	658/658	256.4/256.4
50HC**24	460-3-60	STD	-	NONE	-	-	61.7	70	66	295	66	295	61.7	70	66	295	66	295	61.7	70	66	295	66	295			
				282A00	25.0	30.1	63.3	70	66	295	63.3	70	66	295	63.3	70	66	295	63.3	70	66	295	63.3	70	66		
				283A00	50.0	60.1	85.8	90	93	295	85.8	90	93	295	85.8	90	93	295	85.8	90	93	295	85.8	90	93		
				284A00	75.0	90.2	115.9	125	127	295	115.9	125	127	295	115.9	125	127	295	115.9	125	127	295	115.9	125	127		
				NONE	-	-	63.9	80	69	293	63.9	80	69	293	63.9	80	69	293	63.9	80	69	293	63.9	80	69	293	
				282A00	25.0	30.1	66.1	80	69	293	66.1	80	69	293	66.1	80	69	293	66.1	80	69	293	66.1	80	69	293	
				283A00	50.0	60.1	88.6	90	95	293	88.6	90	95	293	88.6	90	95	293	88.6	90	95	293	88.6	90	95	293	
				284A00	75.0	90.2	118.7	125	130	293	118.7	125	130	293	118.7	125	130	293	118.7	125	130	293	118.7	125	130	293	
				NONE	-	-	69.6	80	75	333	69.6	80	75	333	69.6	80	75	333	69.6	80	75	333	69.6	80	75	333	
				282A00	25.0	30.1	73.2	80	75	333	73.2	80	75	333	73.2	80	75	333	73.2	80	75	333	73.2	80	75	333	
				283A00	50.0	60.1	95.7	100	102	333	95.7	100	102	333	95.7	100	102	333	95.7	100	102	333	95.7	100	102	333	
				284A00	75.0	90.2	125.8	150	136	333	125.8	150	136	333	125.8	150	136	333	125.8	150	136	333	125.8	150	136	333	
575-3-60	STD	-	-	NONE	-	-	50.2	60	54	219	54	219	50.2	60	54	219	54	219	50.2	60	54	219	54	219			
				285A00	24.8	23.9	55.3	60	54	219	55.3	60	54	219	55.3	60	54	219	55.3	60	54	219	55.3	60	54		
				286A00	49.6	47.7	85.1	90	78	219	85.1	90	78	219	85.1	90	78	219	85.1	90	78	219	85.1	90	78		
				287A00	74.4	71.6	97.1	100	106	219	97.1	100	106	219	97.1	100	106	219	97.1	100	106	219	97.1	100	106		
				NONE	-	-	51.6	60	56	217	51.6	60	56	217	51.6	60	56	217	51.6	60	56	217	51.6	60	56		
				285A00	24.8	23.9	57.1	60	56	217	57.1	60	56	217	57.1	60	56	217	57.1	60	56	217	57.1	60	56		
				286A00	49.6	47.7	86.8	90	80	217	86.8	90	80	217	86.8	90	80	217	86.8	90	80	217	86.8	90	80		
				287A00	74.4	71.6	98.8	100	107	217	98.8	100	107	217	98.8	100	107	217	98.8	100	107	217	98.8	100	107		
				NONE	-	-	53.5	60	58	244	53.5	60	58	244	53.5	60	58	244	53.5	60	58	244	53.5	60	58		
				285A00	24.8	23.9	59.5	60	58	244	59.5	60	58	244	59.5	60	58	244	59.5	60	58	244	59.5	60	58		
				286A00	49.6	47.7	89.2	90	82	244	89.2	90	82	244	89.2	90	82	244	89.2	90	82	244	89.2	90	82		
				287A00	74.4	71.6	101.2	110	110	244	101.2	110	110	244	101.2	110	110	244	101.2	110	110	244	101.2	110	110		

See: "Legend and Notes for Tables 1 - 8" on page 24.

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

UNIT	NO M. V.-Ph-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.																			
		IFM TYPE	CRHEATER ***A00	Nom (kW)	FLA	w/ ERY, w/o Economizer				w/ ERY, w/ Economizer				w/ ERY, w/o Economizer				w/ ERY, w/ Economizer							
						MCA	HACR BRKR	FLA	LRA	DISC. SIZE	MCA	HACR BRKR	FLA	LRA	DISC. SIZE	MCA	HACR BRKR	FLA	LRA	DISC. SIZE	MCA	HACR BRKR	FLA	LRA	DISC. SIZE
50HC**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	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
			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	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
			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	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
			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	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
			NONE	-	-	151.8	175	161	619	151.8	175	161	619	151.8	175	161	619	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	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
	208/230-3-60	MED	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	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
			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	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
			NONE	-	-	163.2	200	174	698	163.2	200	174	698	163.2	200	174	698	168.0	200	179	703	168.0	200	179	703
			279A00	18.8/25.0	52.1/60.1	163.2/163.2	200/200	174/174	698/698	163.2/163.2	200/200	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
			280A00	37.6/50.0	104.2/120.3	206.3/206.3	225/225	190/208	698/698	206.3/206.3	225/225	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
			281A00	56.3/75.0	156.4/180.4	256.4/256.4	300/300	250/277	698/698	256.4/256.4	300/300	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
460-3-60	STD	282A00	25.0	30.1	67.1	80	72	321	67.1	80	72	321	67.1	80	72	321	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	85.8	90	93	321	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	125	118.7	125	130	323	118.7	125	130	323		
		NONE	-	-	69.3	80	74	319	69.3	80	74	319	69.3	80	74	319	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	69.3	80	74	319	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	88.6	90	95	319	91.3	100	98	321	91.3	100	98	321	
	460-3-60	MED	284A00	75.0	90.2	118.7	125	130	319	118.7	125	130	319	118.7	125	130	121.4	125	132	321	121.4	125	132	321	
			NONE	-	-	75.0	90	81	359	75.0	90	81	359	75.0	90	81	359	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	75.0	90	81	359	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	95.7	100	102	359	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	125.8	150	136	359	128.5	150	139	361	128.5	150	139	361
			NONE	-	-	55.1	60	59	243	55.1	60	59	243	55.1	60	59	243	56.8	70	61	245	56.8	70	61	245
575-3-60	STD	285A00	24.8	23.9	55.3	60	59	243	55.3	60	59	243	55.3	60	59	243	57.5	70	61	245	57.5	70	61	245	
		286A00	49.6	47.7	85.1	90	78	243	85.1	90	78	243	85.1	90	78	243	87.2	90	80	245	87.2	90	80	245	
		287A00	74.4	71.6	97.1	100	106	243	97.1	100	106	243	97.1	100	106	243	99.2	100	108	245	99.2	100	108	245	
		NONE	-	-	56.5	70	61	241	56.5	70	61	241	56.5	70	61	241	58.2	70	63	243	58.2	70	63	243	
		285A00	24.8	23.9	57.1	70	61	241	57.1	70	61	241	57.1	70	61	241	59.2	70	63	243	59.2	70	63	243	
		286A00	49.6	47.7	86.8	90	80	241	86.8	90	80	241	86.8	90	80	241	89.0	90	82	243	89.0	90	82	243	
	575-3-60	MED	287A00	74.4	71.6	98.8	100	107	241	98.8	100	107	241	98.8	100	107	241	100.9	110	109	243	100.9	110	109	243
			NONE	-	-	58.4	70	63	268	58.4	70	63	268	58.4	70	63	268	60.1	70	65	270	60.1	70	65	270
			285A00	24.8	23.9	59.5	70	63	268	59.5	70	63	268	59.5	70	63	268	61.6	70	65	270	61.6	70	65	270
			286A00	49.6	47.7	89.2	90	82	268	89.2	90	82	268	89.2	90	82	268	91.3	100	84	270	91.3	100	84	270
			287A00	74.4	71.6	101.2	110	110	268	101.2	110	110	268	101.2	110	110	268	103.3	110	112	270	103.3	110	112	270
			NONE	-	-	101.2	110	110	268	101.2	110	110	268	101.2	110	110	268	103.3	110	112	270	103.3	110	112	270

See: "Legend and Notes for Tables 1 - 8" on page 24.

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.