

**48/50HC 6 to 10 Nominal Tons  
Single Package Rooftop  
Gas Heating/Electric Cooling Unit  
& Cooling Only/Electric Heat Unit  
with Puron® (R-410A) Refrigerant  
Sizes: 07 – 12**



## Electrical Data Supplement

**FOR MODELS PRODUCED ON OR AFTER MAY 18, 2015 ONLY!**

**NOTE:** Read the entire instruction manual before starting the installation

This supplement only applies to 48/50HC size 07 to 12 units manufactured on or after May 18, 2015. To confirm the date of manufacture of the unit, locate the unit nameplate and check the first four digits of the Serial Number which is located directly below the unit's Model Number at the top of the nameplate. If the number listed in the first 4 digits of the Serial Number is 2115 or higher KEEP THIS DOCUMENT and use it along with the furnished Installation Instructions.

### SERIAL NUMBER NOMENCLATURE

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


  

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

### SAFETY CONSIDERATIONS

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

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

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

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

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

C150230

### CAUTION

#### ELECTRICAL HAZARD

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

The electrical data contained in this document is only for use with 48/50HC size 07 to 12 units manufactured on or after May 18, 2015. Check the first 4 digits of the unit's Serial Number (located on the unit's nameplate) if the number listed is 2115 or higher keep this document.

### WARNING

#### ELECTRICAL SHOCK HAZARD

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

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

**Table 1 – 48HC 07-12 Unit Wire/Fuse or HACR Breaker Sizing Data – Single Speed Indoor Fan Motor**

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.						w/ PWRD C.O.									
			NO PE.			w/ PE. (pwrd fr/ unit)			NO PE.			w/ PE. (pwrd fr/ unit)						
			MCA	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*A07 (1-stage cool)	208/230-3-60	STD	33	50	32	161	37	50	36	165	38	50	37	166	42	60	42	170
		MED	36/36	50/50	36/36	214	40/40	50/50	40/40	218	41/41	60/60	41/41	219	45/45	60/60	46/45	223
		HIGH	42/41	60/50	42/41	230	45/44	60/60	46/45	234	46/45	60/60	47/46	235	50/49	60/60	52/50	239
		STD	15	20	14	79	17	20	16	81	17	20	17	81	19	25	19	83
		MED	17	20	16	106	18	25	18	108	19	25	19	108	21	25	21	110
		HIGH	19	25	19	114	21	25	21	116	21	25	21	116	23	30	23	118
	575-3-60	STD	12	15	11	66	15	20	15	70	13	15	13	68	17	20	17	72
		MED	13	15	12	81	17	20	17	85	14	18	14	83	18	20	19	87
		HIGH	16	20	15	95	19	25	20	99	17	20	17	97	21	25	22	101
		STD	39	50	41	191	43	50	45	195	44	50	46	196	48	60	51	200
		MED	41/41	50/50	43/42	229	45/45	50/50	47/47	233	46/46	50/50	48/48	234	50/49	60/60	53/52	238
		HIGH	45	50	47	258	48	60	51	262	49	60	52	263	53	60	57	267
48HC*D08 (2-stage cool)	208/230-3-60	STD	18	20	19	95	20	25	21	97	21	25	21	97	22	25	23	99
		MED	19	25	20	114	21	25	22	116	21	25	22	116	23	25	24	118
		HIGH	21	25	22	129	23	25	24	131	23	25	24	131	25	30	27	133
		STD	13	15	13	77	17	20	17	81	14	15	15	79	18	20	19	83
		MED	13	15	13	81	17	20	18	85	15	20	15	83	19	20	20	87
		HIGH	14	15	14	92	18	20	19	96	16	20	16	94	19	25	21	98
	575-3-60	STD	39	50	41	191	43	50	45	195	44	50	46	196	48	60	51	200
		MED	41/41	50/50	43/43	229	45/45	50/50	47/47	233	46/46	50/50	48/48	234	50/50	60/60	53/53	238
		HIGH	45	50	47	258	49	60	52	262	50	60	53	263	53	60	57	267
		STD	19	20	19	95	20	25	21	97	21	25	22	97	23	25	24	99
		MED	19	25	20	114	21	25	22	116	22	25	23	116	23	25	25	118
		HIGH	21	25	22	129	23	25	24	131	24	25	25	131	25	30	27	133
48HC*D09 (2-stage cool)	575-3-60	STD	14	15	14	77	18	20	19	81	16	20	16	79	20	25	21	83
		MED	14	20	15	81	18	20	19	85	16	20	17	83	20	25	21	87
		HIGH	15	20	16	92	19	20	20	96	17	20	18	94	21	25	22	98

See: "Legend and Notes for Tables 1 – 8" on page 26.

**Table 1 - 48HC 07-12 Unit Wire/Fuse or HACR Breaker Sizing Data - Single Speed Indoor Fan Motor (cont)**

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.						w/ PWRD C.O.									
			NO P.E.			w/ P.E. (pwrd fr/ unit)			NO P.E.			w/ P.E. (pwrd fr/ unit)						
			MCA	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*D11 (2-stage cool)	208/230-3-60	STD	49	60	51	257	53	60	55	261	54	60	57	262	57	70	61	266
		MED	54	60	57	313	58	70	62	317	59	70	63	318	63	70	67	322
		HIGH	57/56	70/60	61/60	315	61/60	70/70	65/64	319	62/61	70/70	66/65	320	66/65	80/80	71/70	324
	460-3-60	STD	22	25	23	123	24	30	25	125	25	30	26	125	26	30	28	127
		MED	25	30	26	151	27	30	28	153	27	30	29	153	29	35	31	155
		HIGH	26	30	28	152	28	30	30	154	28	30	30	154	30	35	32	156
575-3-60	STD	18	20	18	95	21	25	23	99	19	25	20	97	23	25	24	101	
	MED	18	20	19	106	22	25	23	110	20	25	21	108	24	25	25	112	
	HIGH	21	25	22	120	25	30	27	124	23	25	24	122	27	30	29	126	
48HC*D12 (2-stage cool)	208/230-3-60	STD	48	60	50	282	51	60	54	286	52	60	55	287	56	60	60	291
		MED	53	60	56	338	57	70	60	342	58	70	61	343	62	70	66	347
		HIGH	56/55	60/60	59/58	340	60/59	70/70	64/63	344	61/60	70/70	65/64	345	65/64	80/70	69/68	349
	460-3-60	STD	23	30	24	135	25	30	26	137	26	30	27	137	27	30	29	139
		MED	26	30	27	163	28	30	29	165	28	30	30	165	30	35	32	167
		HIGH	27	30	29	164	29	35	31	166	29	35	31	166	31	35	33	168
575-3-60	STD	18	20	18	105	22	25	23	109	19	25	20	107	23	25	25	111	
	MED	19	20	19	116	22	25	24	120	20	25	21	118	24	30	26	122	
	HIGH	21	25	22	130	25	30	27	134	23	25	24	132	27	30	29	136	

See: Legend and Notes for Tables 1 - 8 \* on page 26.

**Table 2 – 48HC 07-12 Unit Wire Sizing Data with Factory Installed HACR Breaker - Single Speed Indoor Fan Motor**

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.						w/ PWRD C.O.										
			NO PE.			w/ PE. (pwrdr fr/ unit)			NO PE.			w/ PE. (pwrdr fr/ unit)							
			MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA					
48HC*A07 (1-stage cool)	208/230-3-60	STD	33	50	32	161	37	50	36	165	38	50	37	166	42	60	42	170	
		MED	36/36	50/50	36/36	214	40/40	50/50	40/40	218	41/41	60/60	60/60	41/41	219	45/45	60/60	46/45	223
		HIGH	42/42	60/60	42/41	230	45/45	60/60	46/45	234	46/46	60/60	60/60	47/46	235	50/50	60/60	52/50	239
	460-3-60	STD	15	20	14	79	17	20	16	81	17	20	17	81	19	25	19	83	
		MED	17	20	16	106	18	25	18	108	19	25	19	108	21	25	21	110	
		HIGH	19	25	19	114	21	25	21	116	21	25	21	116	23	30	23	118	
48HC*D08 (2-stage cool)	208/230-3-60	STD	12	15	11	66	15	20	15	70	13	15	13	68	17	20	17	72	
		MED	13	15	12	81	17	20	17	85	14	20	14	83	18	20	19	87	
		HIGH	16	20	15	95	19	25	20	99	17	20	17	97	21	25	22	101	
	460-3-60	STD	39	50	41	191	43	50	45	195	44	50	46	196	48	60	51	200	
		MED	41/41	50/50	43/42	229	45/45	50/50	47/47	233	46/46	50/50	48/48	234	50/50	60/60	53/52	238	
		HIGH	45	50	47	258	48	60	51	262	49	60	52	263	53	60	57	267	
48HC*D09 (2-stage cool)	208/230-3-60	STD	18	20	19	95	20	25	21	97	21	25	21	97	22	25	23	99	
		MED	19	25	20	114	21	25	22	116	21	25	22	116	23	25	24	118	
		HIGH	21	25	22	129	23	25	24	131	23	25	24	131	25	30	27	133	
	460-3-60	STD	13	15	13	77	17	20	17	81	14	15	15	79	18	20	19	83	
		MED	13	15	13	81	17	20	18	85	15	20	15	83	19	20	20	87	
		HIGH	14	15	14	92	18	20	19	96	16	20	16	94	19	25	21	98	
48HC*D09 (2-stage cool)	208/230-3-60	STD	39	50	41	191	43	50	45	195	44	50	46	196	48	60	51	200	
		MED	41/41	50/50	43/43	229	45/45	50/50	47/47	233	46/46	50/50	48/48	234	50/50	60/60	53/53	238	
		HIGH	45	50	47	258	49	60	52	262	50	60	53	263	53	60	57	267	
	460-3-60	STD	19	20	19	95	20	25	21	97	21	25	22	97	23	25	24	99	
		MED	19	25	20	114	21	25	22	116	22	25	23	116	23	25	25	118	
		HIGH	21	25	22	129	23	25	24	131	24	25	25	131	25	30	27	133	
460-3-60	STD	14	15	14	77	18	20	19	81	16	20	16	79	20	25	21	83		
	MED	14	20	15	81	18	20	19	85	16	20	17	83	20	25	21	87		
	HIGH	15	20	16	92	19	20	20	96	17	20	18	94	21	25	22	98		

See: "Legend and Notes for Tables 1 – 8" on page 26.

**Table 2 - 48HC 07-12 Unit Wire Sizing Data with Factory Installed HACR Breaker - Single Speed Indoor Fan Motor (cont)**

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.						w/ PWRD C.O.									
			NO P.E.			w/ P.E. (pwrd fr/ unit)			NO P.E.			w/ P.E. (pwrd fr/ unit)						
			MCA	HACR BRKR	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*D11 (2-stage cool)	208/230-3-60	STD	49	60	51	257	53	60	55	261	54	60	57	262	57	70	61	266
		MED	54	60	57	313	58	70	62	317	59	70	63	318	63	70	67	322
		HIGH	57/57	70/70	61/60	315	61/61	70/70	65/64	319	62/62	70/70	66/65	320	66/66	80/80	71/70	324
	460-3-60	STD	22	25	23	123	24	30	25	125	25	30	26	125	26	30	28	127
		MED	25	30	26	151	27	30	28	153	27	30	29	153	29	35	31	155
		HIGH	26	30	28	152	28	30	30	154	28	30	30	154	30	35	32	156
48HC*D12 (2-stage cool)	208/230-3-60	STD	18	20	18	95	21	25	23	99	19	25	20	97	23	25	24	101
		MED	18	20	19	106	22	25	23	110	20	25	21	108	24	25	25	112
		HIGH	21	25	22	120	25	30	27	124	23	25	24	122	27	30	29	126
	460-3-60	STD	48	60	50	282	51	60	54	286	52	60	55	287	56	60	60	291
		MED	53	60	56	338	57	70	60	342	58	70	61	343	62	70	66	347
		HIGH	56/56	60/60	59/58	340	60/60	70/70	64/63	344	61/61	70/70	65/64	345	65/65	80/80	69/68	349
575-3-60	STD	23	30	24	135	25	30	26	137	26	30	27	137	27	30	29	139	
	MED	26	30	27	163	28	30	29	165	28	30	30	165	30	35	32	167	
	HIGH	27	30	29	164	29	35	31	166	29	35	31	166	31	35	33	168	
575-3-60	STD	18	20	18	105	22	25	23	109	19	25	20	107	23	25	25	111	
	MED	19	20	19	116	22	25	24	120	20	25	21	118	24	30	26	122	
	HIGH	21	25	22	130	25	30	27	134	23	25	24	132	27	30	29	136	

See: "Legend and Notes for Tables 1 - 8 " on page 26.

Table 3 – 48HC 08-12 Unit Wire/Fuse or HACR Breaker Sizing Data - 2-Speed Indoor Fan Motor

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.						w/ PWRD C.O.									
			NO PE.			w/ PE. (pwrd fr/ unit)			NO PE.			w/ PE. (pwrd fr/ unit)						
			MCA	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*D08	208/230-3-60	STD	40/40	50/50	41/41	195	44/43	50/50	46/46	199	45/44	50/50	47/47	200	48/48	60/60	51/51	204
		MED	41/41	50/50	43/43	199	45/45	50/50	47/47	203	46/46	50/50	48/48	204	50/49	60/60	53/52	208
		HIGH	45/44	50/50	47/46	249	49/48	60/60	52/50	253	50/49	60/60	53/52	254	53/52	60/60	57/56	258
	460-3-60	STD	19	20	19	97	20	25	21	99	21	25	22	99	23	25	24	101
		MED	19	25	20	100	21	25	22	102	21	25	22	102	23	25	24	104
		HIGH	21	25	22	125	22	25	24	127	23	25	24	127	25	30	26	129
48HC*D09	575-3-60	STD	14	15	14	79	18	20	19	83	16	20	16	81	19	25	21	85
		MED	15	20	15	83	18	20	19	87	16	20	17	85	20	25	21	89
		HIGH	16	20	16	92	19	25	21	96	17	20	18	94	21	25	23	98
	208/230-3-60	STD	40/40	50/50	42/41	195	44/44	50/50	46/46	199	45/45	50/50	47/47	200	49/48	60/60	52/51	204
		MED	41/41	50/50	43/43	199	45/45	50/50	47/47	203	46/46	50/50	49/48	204	50/50	60/60	53/53	208
		HIGH	45/44	50/50	47/46	249	49/48	60/60	52/51	253	50/49	60/60	53/52	254	54/53	60/60	57/56	258
48HC*D10	460-3-60	STD	19	25	20	100	21	25	22	102	22	25	22	102	23	25	25	104
		MED	19	25	22	125	23	25	24	127	23	25	24	127	25	30	26	129
		HIGH	21	25	20	100	21	25	22	102	22	25	23	102	23	25	25	104
	575-3-60	STD	15	20	16	79	19	20	20	83	17	20	18	81	21	25	22	85
		MED	16	20	16	83	20	25	21	87	18	20	18	85	21	25	23	89
		HIGH	17	20	18	92	21	25	22	96	19	20	20	94	22	25	24	98
48HC*D11	208/230-3-60	STD	51/50	60/60	53/53	254	55/54	60/60	56/57	258	56/55	60/60	59/58	259	59/59	70/70	63/63	263
		MED	54/53	60/60	58/56	304	58/57	70/70	62/61	308	59/58	70/70	63/62	309	63/62	70/70	67/66	313
		HIGH	57/56	70/60	61/60	315	61/60	70/70	65/64	319	62/61	70/70	66/65	320	66/65	80/80	71/70	324
	460-3-60	STD	23	25	24	122	25	30	26	124	25	30	27	124	27	30	29	126
		MED	25	30	26	147	27	30	28	149	27	30	28	149	29	35	30	151
		HIGH	26	30	28	152	28	30	30	154	28	30	30	154	30	35	32	156
48HC*D12	575-3-60	STD	19	20	20	97	23	25	24	101	21	25	22	99	25	30	26	103
		MED	20	25	21	106	24	25	25	110	22	25	23	108	26	30	27	112
		HIGH	22	25	23	120	26	30	27	124	24	25	25	122	28	30	29	126
	208/230-3-60	STD	50/49	60/60	52/52	279	53/53	60/60	56/56	283	54/54	60/60	57/57	284	58/58	70/70	62/61	288
		MED	53/52	60/60	56/55	329	57/56	70/60	60/59	333	58/57	70/70	62/60	334	62/61	70/70	66/65	338
		HIGH	56/55	60/60	59/58	340	60/59	70/70	64/63	344	61/60	70/70	65/64	345	65/64	80/70	69/68	349
460-3-60	STD	24	30	25	134	26	30	27	136	26	30	28	136	28	30	30	138	
	MED	26	30	27	159	28	30	29	161	28	30	29	161	30	35	32	163	
	HIGH	27	30	29	164	29	35	31	166	29	35	31	166	31	35	33	168	
575-3-60	STD	19	25	20	107	23	25	24	111	21	25	22	109	25	30	26	113	
	MED	20	25	21	116	24	30	26	120	22	25	23	118	26	30	27	122	
	HIGH	22	25	23	130	26	30	27	134	24	25	25	132	28	30	29	136	

See: "Legend and Notes for Tables 1 – 8" on page 26.

**Table 4 – 48HC 08-12 Unit Wire Sizing Data with Factory Installed HACR Breaker - 2-Speed Indoor Fan Motor**

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.												w/ PWRD C.O.												
			NO PE.						w/ PE. (pwrd fr/ unit)						NO PE.						w/ PE. (pwrd fr/ unit)						
			MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA
48HC*D08 (2-stage cool)	208/230-3-60	STD	40/40	50/50	41/41	195	44/44	50/50	46/46	199	45/45	50/50	47/47	200	48/48	60/60	51/51	204	48/48	60/60	51/51	204	48/48	60/60	51/51	204	
		MED	41/41	50/50	43/43	199	45/45	50/50	47/47	203	46/46	50/50	48/48	204	48/48	60/60	53/52	208	48/48	60/60	53/52	208	48/48	60/60	53/52	208	
		HIGH	45/45	50/50	47/46	249	49/49	60/60	52/50	253	49/49	60/60	53/52	254	53/52	60/60	57/56	258	53/52	60/60	57/56	258	53/52	60/60	57/56	258	
	460-3-60	STD	19	20	19	97	20	25	25	21	99	21	25	22	102	23	25	24	101	23	25	25	24	23	25	24	101
		MED	19	25	20	100	21	25	25	22	102	21	25	22	102	23	25	24	104	23	25	25	24	23	25	24	104
		HIGH	21	25	22	125	22	25	25	24	127	23	25	24	127	25	30	26	129	25	30	30	26	25	30	26	129
48HC*D09 (2-stage cool)	575-3-60	STD	14	15	14	79	18	20	19	83	16	20	19	83	16	20	19	85	16	20	19	25	21	25	21	85	
		MED	15	20	15	83	18	20	19	87	16	20	19	87	16	20	19	89	16	20	19	25	21	25	21	89	
		HIGH	16	20	16	92	19	25	21	96	17	19	25	21	96	17	19	98	17	19	25	21	25	21	98		
	208/230-3-60	STD	40/40	50/50	42/41	195	44/44	50/50	46/46	199	45/45	50/50	47/47	200	47/47	60/60	52/51	204	47/47	60/60	52/51	204	47/47	60/60	52/51	204	
		MED	41/41	50/50	43/43	199	45/45	50/50	47/47	203	46/46	50/50	49/48	204	49/48	60/60	53/52	208	49/48	60/60	53/52	208	49/48	60/60	53/52	208	
		HIGH	45/45	50/50	47/46	249	49/49	60/60	52/51	253	49/49	60/60	53/52	254	53/52	60/60	57/56	258	53/52	60/60	57/56	258	53/52	60/60	57/56	258	
48HC*D11 (2-stage cool)	460-3-60	STD	19	25	19	97	21	25	22	102	21	25	22	102	23	25	24	104	23	25	25	24	23	25	24	104	
		MED	19	25	20	100	21	25	25	22	102	21	25	22	102	23	25	26	129	23	25	25	24	23	25	26	129
		HIGH	21	25	22	125	23	25	24	127	23	25	24	127	25	30	26	129	25	30	30	26	25	30	26	129	
	575-3-60	STD	15	20	16	79	19	20	20	83	17	19	20	83	17	19	20	85	17	19	20	25	21	25	21	85	
		MED	16	20	16	83	20	25	21	87	18	18	20	87	18	18	20	89	18	18	20	25	21	25	21	89	
		HIGH	17	20	18	92	21	25	22	96	19	19	20	96	19	19	20	98	19	19	20	25	21	25	21	98	
48HC*D12 (2-stage cool)	208/230-3-60	STD	51/51	60/60	53/53	254	55/55	60/60	58/57	258	56/56	60/60	59/58	259	59/59	70/70	63/63	263	59/59	70/70	63/63	263	59/59	70/70	63/63	263	
		MED	54/54	60/60	58/56	304	58/58	70/70	62/61	308	58/58	70/70	63/62	309	63/63	80/80	71/70	313	63/63	80/80	71/70	313	63/63	80/80	71/70	313	
		HIGH	57/57	70/70	61/60	315	61/61	70/70	65/64	319	62/62	70/70	66/65	320	66/66	80/80	71/70	324	66/66	80/80	71/70	324	66/66	80/80	71/70	324	
	460-3-60	STD	23	25	24	122	25	30	26	124	25	30	27	124	25	30	29	126	25	30	30	29	27	30	29	126	
		MED	25	30	26	147	27	30	28	149	27	30	28	149	27	30	30	151	27	30	30	30	28	30	30	151	
		HIGH	26	30	28	152	28	30	30	154	28	30	30	154	28	30	35	156	28	30	35	32	30	35	32	156	
48HC*D12 (2-stage cool)	575-3-60	STD	19	20	20	97	23	25	24	101	21	25	22	99	25	30	26	103	25	30	30	26	25	30	26	103	
		MED	20	25	21	106	24	25	25	110	22	25	23	108	26	30	27	112	26	30	30	27	25	30	27	112	
		HIGH	22	25	23	120	26	30	27	124	24	24	25	122	28	30	29	126	28	30	30	29	25	30	29	126	
	208/230-3-60	STD	50/50	60/60	52/52	279	53/53	60/60	56/56	283	54/54	60/60	57/57	284	58/58	70/70	62/61	288	58/58	70/70	62/61	288	58/58	70/70	62/61	288	
		MED	53/53	60/60	56/55	329	57/57	70/70	60/59	333	58/58	70/70	62/60	334	62/62	80/80	66/65	338	62/62	80/80	66/65	338	62/62	80/80	66/65	338	
		HIGH	56/56	60/60	59/58	340	60/60	70/70	64/63	344	61/61	70/70	65/64	345	65/65	80/80	69/68	349	65/65	80/80	69/68	349	65/65	80/80	69/68	349	
460-3-60	STD	24	30	25	134	26	30	27	136	26	30	27	136	26	30	30	138	26	30	30	30	28	30	30	138		
	MED	26	30	27	159	28	30	29	161	28	30	29	161	28	30	35	163	28	30	35	32	30	35	32	163		
	HIGH	27	30	29	164	29	35	31	166	29	35	31	166	29	35	33	168	29	35	33	33	31	35	33	168		
575-3-60	STD	19	25	20	107	23	25	24	111	21	25	22	109	25	30	26	113	25	30	30	26	25	30	27	113		
	MED	20	25	21	116	24	30	26	120	22	25	23	118	26	30	27	122	26	30	30	27	25	30	27	122		
	HIGH	22	25	23	130	26	30	27	134	24	24	25	132	28	30	29	136	28	30	30	29	25	30	29	136		

See: "Legend and Notes for Tables 1 – 8 " on page 26.

**Table 5 – 50HC 07-12 Unit Wire/Fuse or HACR Breaker Sizing Data - Single Speed Indoor Fan Motor**

UNIT	NO M, V-PH-HZ	ELEC. HTR			NO C.O. or UNPWR C.O.						NO PWR C.O.									
		IFM-TYPE	Nom (kW)	FLA	NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)						
					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				
208/230-3-60	STD	NONE	-	-	33	50	37	36	161	32	32	32	36	166	37	42	60	42	170	
		264A	4.9/6.5	13.6/15.6	33/33	50/50	37/37	36/36	161/161	32/32	32	32	32	36/36	166/166	37/37	42/42	60/60	42/42	170/170
		117A	7.8/10.4	21.7/25.0	34/38	50/50	39/43	50/50	36/39	161/161	32/35	32	32	36/39	166/166	37/40	45/49	60/60	42/45	170/170
		110A	12.0/16.0	33.4/38.5	49/55	50/60	53/60	60/60	49/55	161/161	44/50	30	30	49/55	166/166	50/56	59/66	60/70	54/60	170/170
		117A+117A	15.8/21.0	43.8/50.5	62/70	70/70	66/75	70/80	61/68	161/161	56/64	30	30	61/68	166/166	62/70	72/81	80/90	66/74	170/170
		110A+117A	19.9/26.5	55.2/63.8	76/87	80/90	69/79	80/100	74/84	161/161	69/79	40	40	74/84	166/166	75/85	87/97	90/100	79/89	170/170
	MED	NONE	-	-	36/36	50/50	40/40	40/40	214	36/36	21	21	40/40	218	41/41	45/45	60/60	46/45	223	
		264A	4.9/6.5	13.6/15.6	36/36	50/50	36/36	50/50	214/214	36/36	21	21	40/40	218/218	41/41	45/45	60/60	46/45	223/223	
		117A	7.8/10.4	21.7/25.0	38/42	50/50	43/47	50/50	214/214	36/38	21	21	40/43	218/218	41/44	49/53	60/60	46/48	223/223	
		110A	12.0/16.0	33.4/38.5	53/59	60/60	57/64	60/70	214/214	48/54	30	30	52/58	218/218	54/59	63/70	70/70	58/64	223/223	
		117A+117A	15.8/21.0	43.8/50.5	66/74	70/80	60/68	70/80	214/214	60/68	30	30	64/72	218/218	72/80	76/85	80/90	70/78	223/223	
		110A+117A	19.9/26.5	55.2/63.8	80/91	80/100	73/83	80/100	214/214	73/83	40	40	78/87	218/218	86/97	91/101	100/110	83/93	223/223	
460-3-60	HIGH	NONE	-	-	42/41	60/50	45/44	230	42/41	230	42/41	60/60	46/45	234	47/46	50/49	60/60	52/50	239	
		264A	4.9/6.5	13.6/15.6	42/41	60/50	45/44	230/230	42/41	230/230	42/41	60/60	46/45	234/234	47/46	50/49	60/60	52/50	239/239	
		117A	7.8/10.4	21.7/25.0	45/48	60/50	42/43	60/60	230/230	42/43	230	23	46/48	234/234	47/49	55/58	60/60	52/53	239/239	
		110A	12.0/16.0	33.4/38.5	59/64	60/70	54/59	70/70	230/230	54/59	30	30	58/63	234/234	65/70	70/75	70/80	64/69	239/239	
		117A+117A	15.8/21.0	43.8/50.5	72/79	80/80	66/73	80/90	230/230	66/73	40	40	70/77	234/234	78/85	83/90	90/90	76/83	239/239	
		110A+117A	19.9/26.5	55.2/63.8	86/96	90/100	79/88	90/110	230/230	79/88	40	40	83/92	234/234	92/102	97/107	100/110	89/98	239/239	
	STD	265A	6.0	7.2	15	20	14	17	79	14	14	17	20	16	81	17	19	25	19	83
		266A	11.5	13.8	21	25	19	23	79	19	19	23	25	21	81	17	19	25	19	83
		267A	14.0	16.8	25	25	22	27	79	22	22	27	30	24	81	17	19	25	19	83
		268A	23.0	27.7	38	40	35	41	79	35	35	41	45	37	81	17	19	25	19	83
		269A	25.5	30.7	42	45	38	44	79	38	38	44	45	40	81	17	19	25	19	83
		NONE	-	-	17	20	16	18	106	16	16	18	20	18	108	19	21	25	21	110
MED	265A	6.0	7.2	17	20	16	18	106	16	16	18	20	18	108	19	21	25	21	110	
	266A	11.5	13.8	23	25	21	25	106	21	21	25	25	23	108	21	21	25	21	110	
	267A	14.0	16.8	27	30	24	29	106	24	24	29	30	26	108	21	21	25	21	110	
	268A	23.0	27.7	40	40	37	43	106	37	37	43	45	39	108	21	21	25	21	110	
	269A	25.5	30.7	44	45	40	46	106	40	40	46	50	42	108	21	21	25	21	110	
	NONE	-	-	19	25	19	21	114	19	19	21	25	21	116	21	21	25	21	118	
STD	265A	6.0	7.2	19	25	19	21	114	19	19	21	25	21	116	21	21	25	21	118	
	266A	11.5	13.8	26	30	23	28	114	23	23	28	30	25	116	21	21	25	21	118	
	267A	14.0	16.8	29	30	27	32	114	27	27	32	35	29	116	21	21	25	21	118	
	268A	23.0	27.7	43	45	39	45	114	39	39	45	45	41	116	21	21	25	21	118	
	269A	25.5	30.7	47	50	43	49	114	43	43	49	50	45	116	21	21	25	21	118	
	NONE	-	-	12	15	11	15	66	12	12	15	20	15	70	13	13	20	20	72	
MED	118A	17.0	20.4	28	30	25	33	66	25	25	33	35	30	70	30	30	35	32	72	
	289A	25.7	25.8	35	35	32	39	66	32	32	39	40	36	70	37	37	40	38	72	
	NONE	-	-	13	15	12	17	81	13	13	17	20	17	85	14	14	20	19	87	
	118A	17.0	20.4	29	30	27	34	81	27	27	34	35	31	85	32	32	35	33	87	
	299A	25.7	25.8	36	40	33	41	81	33	33	41	45	37	85	38	38	40	39	87	
	NONE	-	-	16	20	15	19	95	16	16	19	25	20	99	17	17	20	22	101	
HIGH	118A	17.0	20.4	33	35	30	38	95	30	30	38	40	34	99	32	32	35	36	101	
	299A	25.7	25.8	40	40	36	44	95	36	36	44	45	40	99	38	38	40	42	101	

See: "Legend and Notes for Tables 1 - 8" on page 26.



**Table 5 - 50HC 07-12 Unit Wire/Fuse or HACR Breaker Sizing Data - Single Speed Indoor Fan Motor (cont)**

UNIT	NO M, V-PH-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.						w/ PWRD C.O.					
		IFM-TYPE	Nom (kW)	FLA	NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)			
					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+D08 (2-stage cool)	208/230-3-60	STD	NONE	-	-	39	50	43	45	195	44	50	48	60	51	200	
			117A	7.8/10.4	21.7/25.0	39/39	50/50	43/43	45/45	195/195	44/44	50/50	48/48	60/60	51/51	200/200	
			110A	12.0/16.0	33.4/38.5	49/55	60/60	53/60	49/55	195/195	55/61	60/70	50/56	59/66	60/70	54/60	200/200
			111A	18.6/24.8	51.7/59.7	72/82	80/90	76/86	70/79	195/195	78/88	80/90	71/80	82/92	90/100	75/85	200/200
			112A	24.0/32.0	66.7/77.0	90/103	90/110	95/108	87/89	195/195	96/109	100/110	88/100	101/114	110/125	93/104	200/200
			112A+117A	31.8/42.4	88.4/102.0	117/134	125/150	122/138	112/128	195/195	123/140	125/150	111/129	128/145	150/150	118/133	200/200
	460-3-60	MED	NONE	-	-	45	50	47	258	262	49	60	52	60	57	267	
			117A	7.8/10.4	21.7/25.0	45/45	50/50	47/47	258/258	262/262	49/51	60/60	52/52	60/60	57/57	267/267	
			110A	12.0/16.0	33.4/38.5	55/62	60/70	55/61	262/262	262/262	61/68	70/70	56/62	66/73	70/80	60/66	267/267
			111A	18.6/24.8	51.7/59.7	78/88	80/90	72/81	258/258	262/262	83/93	90/100	76/85	84/94	90/100	82/91	267/267
			112A	24.0/32.0	66.7/77.0	97/110	100/110	89/101	258/258	262/262	102/116	110/125	93/105	103/116	110/125	99/111	267/267
			112A+117A	31.8/42.4	88.4/102.0	124/141	125/150	114/129	258/258	262/262	129/146	150/150	118/134	130/147	150/150	124/139	267/267
575-3-60	460-3-60	STD	NONE	-	-	18	20	19	95	97	21	25	22	25	23	99	
			116A	13.9	16.7	25	25	27	24	97	27	30	25	30	30	27	99
			113A	16.5	19.8	28	30	31	28	95	97	31	35	28	33	30	99
			114A	27.8	33.4	45	50	41	95	43	97	48	50	44	50	46	99
			115A	33.0	39.7	53	60	49	95	51	97	56	60	51	58	53	99
			114A+116A	41.7	50.2	66	70	61	95	63	97	69	70	63	71	60	99
	575-3-60	MED	NONE	-	-	19	25	20	114	116	21	25	22	25	24	118	
			116A	13.9	16.7	26	30	23	114	116	28	30	26	31	35	28	118
			113A	16.5	19.8	29	30	27	114	116	32	35	29	34	35	31	118
			114A	27.8	33.4	46	50	42	114	116	49	50	44	51	60	47	118
			115A	33.0	39.7	54	60	50	114	116	57	60	52	59	60	54	118
			114A+116A	41.7	50.2	67	70	62	114	116	70	70	64	70	70	66	118
575-3-60	460-3-60	STD	NONE	-	-	21	25	22	129	23	25	24	25	23	133		
			116A	13.9	16.7	28	30	27	129	131	31	35	28	33	30	133	
			113A	16.5	19.8	32	35	29	129	131	35	35	31	37	40	33	133
			114A	27.8	33.4	49	50	45	129	131	52	60	47	54	60	49	133
			115A	33.0	39.7	57	60	52	129	131	59	60	54	62	70	56	133
			114A+116A	41.7	50.2	67	70	62	129	131	70	70	64	70	70	66	133
	575-3-60	MED	NONE	-	-	13	15	13	77	81	14	15	15	15	19	83	
			118A	17.0	20.4	28	30	25	77	81	30	30	27	35	32	83	
			119A	34.0	40.9	54	60	49	77	81	58	60	51	60	70	55	83
			NONE	-	-	13	15	13	81	85	15	20	15	15	20	20	87
			118A	17.0	20.4	28	30	26	81	85	31	35	28	35	35	32	87
			119A	34.0	40.9	54	60	49	81	85	56	60	51	61	70	56	87
575-3-60	HIGH	NONE	-	-	14	15	14	92	96	16	20	16	16	21	98		
		118A	17.0	20.4	29	30	27	92	96	32	35	29	36	40	33	98	
		119A	34.0	40.9	55	60	50	92	96	60	60	52	62	70	57	98	

See: "Legend and Notes for Tables 1 - 8 " on page 26.

**Table 5 - 50HC 07-12 Unit Wire/Fuse or HACR Breaker Sizing Data - Single Speed Indoor Fan Motor (cont)**

UNIT	NO M, V-PH-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.						w/ PWRD C.O.											
		IFM-TYPE	Nom (kW)	FLA	NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)									
					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*09 (2-stage cool)	460-3-60	STD	NONE	-	-	39	50	41	191	43	50	45	195	44	50	46	196	48	60	60	51	200	
			117A	7.8/10.4	21.7/25.0	39/39	50/50	41/41	191/191	43/43	50/50	45/45	195/195	44/44	50/50	46/46	196/196	48/48	60/60	60/60	51/51	200/200	
			110A	12.0/16.0	33.4/38.5	49/55	50/60	44/50	191/191	53/60	60/60	49/55	195/195	55/61	60/70	60/70	50/56	196/196	59/66	60/70	60/70	54/60	200/200
			111A	18.6/24.8	51.7/59.7	72/82	80/90	65/75	191/191	76/86	80/90	70/79	195/195	78/88	80/90	71/80	80/90	78/88	82/92	90/100	90/100	75/85	200/200
			112A	24.0/32.0	66.7/77.0	90/103	90/110	83/95	191/191	95/108	100/110	87/99	195/195	96/109	100/110	88/100	100/110	196/196	101/114	110/125	110/125	93/104	200/200
			112A+117A	31.8/42.4	88.4/102.0	117/134	125/150	108/123	191/191	122/139	125/150	112/128	195/195	123/140	125/150	111/129	125/150	196/196	128/145	150/150	150/150	118/133	200/200
		MED	NONE	-	-	41	50	43	229	45/45	50/50	47/47	233	46/46	50/50	48/48	234	50/50	60/60	60/60	53/53	238	
			117A	7.8/10.4	21.7/25.0	41/41	50/50	43/43	229/229	45/45	50/50	47/47	233/233	46/46	50/50	48/48	234/234	50/51	60/60	60/60	53/53	238/238	
			110A	12.0/16.0	33.4/38.5	51/57	60/60	46/52	229/229	56/62	60/70	51/56	233/233	57/63	60/70	52/58	234/234	62/68	70/70	70/70	56/62	238/238	
			111A	18.6/24.8	51.7/59.7	74/83	80/90	67/76	229/229	78/88	80/90	72/81	233/233	80/89	80/90	73/82	234/234	84/94	90/100	90/100	77/86	238/238	
			112A	24.0/32.0	66.7/77.0	92/105	100/110	85/96	229/229	97/110	100/110	89/101	233/233	98/111	100/125	90/102	234/234	103/116	110/125	110/125	95/106	238/238	
			112A+117A	31.8/42.4	88.4/102.0	120/136	125/150	110/125	229/229	124/141	125/150	114/129	233/233	126/142	150/150	115/131	234/234	130/147	150/150	150/150	119/135	238/238	
50HC*09 (2-stage cool)	460-3-60	STD	NONE	-	-	45	50	47	258	49	60	52	262	50	60	53	263	53	60	60	57	267	
			117A	7.8/10.4	21.7/25.0	45/45	50/50	47/47	258/258	49/50	60/60	52/52	262/262	50/51	60/60	53/53	263/263	53/56	60/60	60/60	57/57	267/267	
			110A	12.0/16.0	33.4/38.5	55/62	60/70	51/56	258/258	60/67	60/70	55/61	262/262	61/68	70/70	56/62	263/263	66/73	70/80	70/80	60/66	267/267	
			111A	18.6/24.8	51.7/59.7	78/88	80/90	72/81	258/258	83/93	90/100	76/85	262/262	84/94	90/100	77/86	263/263	89/99	90/100	90/100	82/91	267/267	
			112A	24.0/32.0	66.7/77.0	97/110	100/110	89/101	258/258	102/115	110/125	93/105	262/262	103/116	110/125	94/106	263/263	108/121	110/125	110/125	99/111	267/267	
			112A+117A	31.8/42.4	88.4/102.0	124/141	125/150	114/129	258/258	129/146	150/150	118/134	262/262	130/147	150/150	119/135	263/263	135/152	150/175	150/175	124/139	267/267	
		MED	NONE	-	-	19	20	19	95	20	25	21	97	21	97	21	25	22	97	23	25	24	99
			116A	13.9	16.7	16.7	20	22	95	27	30	24	97	27	30	25	25	25	97	30	30	27	99
			113A	16.5	19.8	19.8	26	30	26	95	31	35	28	31	35	28	28	28	97	33	35	30	99
			114A	27.8	33.4	33.4	45	50	41	95	48	50	43	47	48	44	44	44	97	50	60	46	99
			115A	33.0	39.7	39.7	53	60	49	95	56	60	51	51	51	45	45	45	97	58	60	53	99
			114A+116A	41.7	50.2	50.2	66	70	61	95	69	70	63	63	63	51	51	51	97	71	80	65	99
575-3-60	460-3-60	STD	NONE	-	-	19	20	14	114	21	25	22	116	22	25	23	116	23	25	25	118		
			116A	13.9	16.7	16.7	20	23	114	28	30	25	116	28	30	26	116	31	35	28	28	118	
			113A	16.5	19.8	19.8	29	30	27	114	32	35	29	116	32	35	29	116	34	35	31	118	
			114A	27.8	33.4	33.4	46	50	42	114	49	50	44	116	49	50	45	116	51	60	47	118	
			115A	33.0	39.7	39.7	54	60	50	114	57	60	52	116	57	60	52	116	59	60	54	118	
			114A+116A	41.7	50.2	50.2	67	70	62	114	70	70	64	116	70	70	64	116	72	80	66	118	
		MED	NONE	-	-	21	25	22	129	23	25	24	131	24	25	25	25	131	25	25	27	133	
			116A	13.9	16.7	16.7	28	30	25	129	30	30	27	131	31	35	28	131	33	35	30	133	
			113A	16.5	19.8	19.8	32	35	29	129	34	35	31	131	35	35	31	131	33	40	33	133	
			114A	27.8	33.4	33.4	49	50	45	129	51	60	47	131	52	60	47	131	54	60	49	133	
			115A	33.0	39.7	39.7	57	60	52	129	59	60	54	131	59	60	54	131	62	70	56	133	
			114A+116A	41.7	50.2	50.2	67	70	64	129	72	80	66	131	73	80	66	131	75	80	68	133	
HIGH	NONE	-	-	14	15	14	77	18	20	19	81	16	20	16	79	20	16	20	25	83			
	118A	17.0	20.4	20.4	28	30	27	77	33	35	30	81	30	30	27	79	35	35	32	83			
	119A	34.0	40.9	40.9	54	60	49	77	58	60	53	81	56	60	51	79	60	70	55	83			
	NONE	-	-	14	20	15	81	18	20	19	85	16	20	17	83	20	25	25	21	87			
	118A	17.0	20.4	20.4	28	30	26	81	33	35	30	85	31	35	28	83	35	35	32	87			
	119A	34.0	40.9	40.9	54	60	49	81	59	60	54	85	56	60	51	83	61	70	56	87			
575-3-60	575-3-60	HIGH	NONE	-	-	15	20	16	92	19	20	20	96	17	20	18	94	21	25	22	98		
			118A	17.0	20.4	20.4	29	30	27	92	34	35	31	96	32	35	29	94	36	40	33	98	
			119A	34.0	40.9	40.9	55	60	50	92	60	60	55	96	57	60	52	94	62	70	57	98	

See: "Legend and Notes for Tables 1 - 8" on page 26.

**Table 5 - 50HC 07-12 Unit Wire/Fuse or HACR Breaker Sizing Data - Single Speed Indoor Fan Motor (cont)**

UNIT	IFM-TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.						NO P.E.						w/ PWRD C.O.					
		CRHEATER**A00	Nom (kW)	FLA	NO RE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)							
					MCA	MAX FUSE OF HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE OF HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE OF HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE OF HACR BRKR	DISC. SIZE FLA LRA					
50HC*D11 (2-stage cool)	STD	NONE	-	-	49	60	51	257	53	60	55	261	54	60	57	282	57	70	61	266	
		117A	7.8/10.4	21.7/25.0	49/49	60/60	51/51	257/257	53/53	60/60	55/55	261/261	54/54	60/60	57/57	282/282	57/57	70/70	61/61	266/266	
		110A	12.0/16.0	33.4/38.5	49/55	60/60	51/51	257/257	53/60	60/60	55/55	261/261	55/61	60/70	57/57	282/282	59/66	70/70	61/61	266/266	
		112A	24.0/32.0	66.7/77.0	90/103	90/110	83/95	257/257	95/108	100/110	87/99	261/261	96/109	100/110	100/110	88/100	282/282	101/114	110/125	93/104	266/266
		112A+117A	31.8/42.4	88.4/102.0	117/134	125/150	108/123	257/257	122/139	125/150	112/128	261/261	123/140	125/150	125/150	113/129	282/282	128/145	150/150	118/133	266/266
		112A+110A	37.6/50.0	104.2/120.3	137/127	150/150	126/144	257/257	142/132	150/150	130/149	261/261	143/133	150/150	150/150	131/150	282/282	148/138	150/150	136/154	266/266
	MED	NONE	-	-	54	60	57	313	58	70	62	317	59	70	63	318	63	70	67	322	
		117A	7.8/10.4	21.7/25.0	54/54	60/60	57/57	313/313	58/58	70/70	62/62	317/317	59/59	70/70	63/63	318/318	63/63	70/70	67/67	322/322	
		110A	12.0/16.0	33.4/38.5	55/62	60/70	57/57	313/313	60/67	70/70	62/62	317/317	61/68	70/70	63/63	318/318	66/73	70/80	67/67	322/322	
		112A	24.0/32.0	66.7/77.0	97/110	100/110	89/101	313/313	102/115	110/125	83/105	317/317	103/116	110/125	110/125	94/106	318/318	108/121	110/125	99/111	322/322
		112A+117A	31.8/42.4	88.4/102.0	124/141	125/150	114/129	313/313	129/146	150/150	118/134	317/317	130/147	150/150	119/135	318/318	135/152	150/175	124/139	322/322	
		112A+110A	37.6/50.0	104.2/120.3	144/134	150/150	132/151	313/313	149/139	150/150	136/155	317/317	150/140	150/150	138/156	318/318	155/145	175/175	142/160	322/322	
HIGH	NONE	-	-	57/56	70/60	61/60	315	61/60	70/70	65/64	319	62/61	70/70	66/65	320	66/65	80/80	71/70	324		
	117A	7.8/10.4	21.7/25.0	57/56	70/60	61/60	315/315	61/60	70/70	65/64	319/319	62/61	70/70	66/65	320/320	66/65	80/80	71/70	324/324		
	110A	12.0/16.0	33.4/38.5	59/64	70/70	61/60	315/315	64/69	70/70	65/64	319/319	65/70	70/70	66/65	320/320	70/75	80/80	71/70	324/324		
	112A	24.0/32.0	66.7/77.0	101/113	110/125	92/103	315/315	106/117	110/125	97/108	319/319	107/119	110/125	110/125	98/109	320/320	112/123	125/125	102/113	324/324	
	112A+117A	31.8/42.4	88.4/102.0	128/144	150/150	117/132	315/315	133/149	150/150	122/136	319/319	134/150	150/150	123/137	320/320	139/155	150/175	127/142	324/324		
	112A+110A	37.6/50.0	104.2/120.3	148/137	150/150	135/153	315/315	152/141	175/175	140/157	319/319	154/143	175/175	141/158	320/320	158/147	175/175	145/163	324/324		
460-3-60	STD	NONE	-	-	22	25	23	123	24	30	25	125	25	30	26	125	26	30	28	127	
		116A	13.9	16.7	25	25	23	123	27	30	25	125	27	30	26	125	30	30	28	127	
		113A	16.5	19.8	28	30	26	123	31	35	28	125	31	35	30	28	33	35	30	127	
		115A	33.0	39.7	53	60	49	123	56	60	51	125	56	60	51	125	58	60	53	127	
		114A+116A	41.7	50.2	66	70	61	123	69	70	63	125	69	70	63	125	71	80	65	127	
		115A+113A	50.0	60.1	64	70	72	123	66	70	74	125	67	70	75	125	69	70	77	127	
	MED	NONE	-	-	25	30	26	151	27	30	28	153	27	30	29	153	29	35	31	155	
		116A	13.9	16.7	28	30	26	151	30	30	28	153	31	35	29	153	33	35	31	155	
		113A	16.5	19.8	32	35	29	151	34	35	31	153	35	35	31	153	37	40	33	155	
		115A	33.0	39.7	57	60	52	151	59	60	54	153	59	60	54	153	62	70	56	155	
		114A+116A	41.7	50.2	70	70	64	151	72	80	66	153	73	80	66	153	75	80	68	155	
		115A+113A	50.0	60.1	67	80	75	151	69	80	77	153	71	80	78	153	72	80	80	155	
575-3-60	STD	NONE	-	-	18	20	18	95	21	25	23	99	19	25	20	97	23	25	24	101	
		118A	17.0	20.4	28	30	26	95	33	35	30	99	31	35	28	97	35	35	32	101	
		119A	34.0	40.9	54	60	49	95	59	60	54	99	56	60	51	97	61	70	56	101	
		118A+119A	51.0	61.3	64	70	73	95	69	80	77	99	66	70	75	97	71	80	79	101	
		NONE	-	-	18	20	19	106	22	25	23	110	20	25	21	108	24	25	25	112	
		118A	17.0	20.4	29	30	27	106	34	35	31	110	32	35	29	108	36	40	33	112	
	MED	119A	34.0	40.9	55	60	50	106	60	60	55	110	57	60	52	108	62	70	57	112	
		118A+119A	51.0	61.3	65	70	74	106	70	80	78	110	67	70	76	108	72	80	79	112	
		NONE	-	-	21	25	22	120	25	30	27	124	23	25	24	122	27	30	29	126	
		118A	17.0	20.4	33	35	30	120	38	40	34	124	35	35	32	122	40	40	36	126	
		119A	34.0	40.9	59	60	53	120	63	70	58	124	61	70	55	122	65	70	60	126	
		118A+119A	51.0	61.3	69	80	77	120	74	80	81	124	71	80	79	122	76	80	83	126	

See: \*Legend and Notes for Tables 1 - 8\* on page 26.

**Table 5 - 50HC 07-12 Unit Wire/Fuse or HACR Breaker Sizing Data - Single Speed Indoor Fan Motor (cont)**

UNIT	ELEC. HTR			NO C.O. or UNPWR C.O.						NO P.E.						w/ PWRD C.O.							
	IFM-TYPE	Nom (kW)	FLA	NO RE.			w/ P.E. (pwrd fr/unit)			NO P.E.			w/ P.E. (pwrd fr/unit)			w/ P.E. (pwrd fr/unit)							
				MCA	MAX FUSE OF BRKR	DISC. SIZE	MCA	MAX FUSE OF BRKR	DISC. SIZE	MCA	MAX FUSE OF BRKR	DISC. SIZE	MCA	MAX FUSE OF BRKR	DISC. SIZE	MCA	MAX FUSE OF BRKR	DISC. SIZE					
			FLA	FLA	LRA	FLA	FLA	LRA	MCA	MAX FUSE OF BRKR	DISC. SIZE	FLA	FLA	LRA	MCA	MAX FUSE OF BRKR	DISC. SIZE	FLA	FLA	LRA			
50HC*12 (2-stage cool)	STD	NONE	-	-	50	282	282	282	51	60	54	286	286	286	52	60	55	287	56	60	60	291	
		117A	7.8/10.4	21.7/25.0	48/48	60/60	50/50	282/282	51/51	70/70	60/60	54/54	286/286	286/286	52/52	60/60	55/55	287/287	56/56	60/60	60/60	60/60	291/291
		110A	12.0/16.0	33.4/38.5	49/55	60/60	50/50	282/282	53/60	70/70	60/60	54/55	286/286	286/286	55/61	60/70	55/56	287/287	56/66	60/70	60/60	60/60	291/291
		112A	24.0/32.0	66.7/77.0	90/103	90/110	83/95	282/282	95/108	100/110	100/110	87/99	286/286	286/286	96/109	100/110	88/100	287/287	101/114	93/104	93/104	93/104	291/291
		112A+117A	31.8/42.4	88.4/102.0	117/134	125/150	108/123	282/282	122/139	125/150	112/128	112/128	286/286	286/286	123/140	125/150	113/129	287/287	128/145	118/133	118/133	118/133	291/291
		112A+110A	37.6/50.0	104.2/120.3	137/127	150/150	126/144	282/282	142/132	150/150	130/149	130/149	286/286	286/286	143/133	150/150	131/150	287/287	148/138	136/154	136/154	136/154	291/291
	MED	NONE	-	-	53	338	338	338	57	70	60	342	342	342	58	70	61	343	62	70	66	347	
		117A	7.8/10.4	21.7/25.0	53/53	60/60	56/56	338/338	57/57	70/70	60/60	56/56	342/342	342/342	58/58	70/70	61/61	343/343	62/62	70/70	66/66	347/347	
		110A	12.0/16.0	33.4/38.5	55/62	60/70	56/56	338/338	60/67	70/70	60/61	56/61	342/342	342/342	61/68	70/70	61/62	343/343	66/73	70/80	66/66	347/347	
		112A	24.0/32.0	66.7/77.0	97/110	100/110	89/101	338/338	102/115	110/125	110/125	89/105	342/342	342/342	103/116	110/125	94/106	343/343	108/121	110/125	99/111	347/347	
		112A+117A	31.8/42.4	88.4/102.0	124/141	125/150	114/129	338/338	129/146	150/150	118/134	118/134	342/342	342/342	130/147	150/150	119/135	343/343	135/152	150/175	124/139	124/139	347/347
		112A+110A	37.6/50.0	104.2/120.3	144/134	150/150	132/151	338/338	149/139	150/150	136/155	136/155	342/342	342/342	150/140	150/150	138/156	343/343	155/145	175/175	142/160	142/160	347/347
460-3-60	STD	NONE	-	-	24	135	135	25	30	26	137	137	137	26	30	27	137	27	30	29	139		
		116A	13.9	16.7	25	30	24	135	27	30	26	137	137	137	27	30	27	137	30	29	30	139	
		113A	16.5	19.8	28	30	26	135	31	35	28	137	137	137	31	35	137	33	35	30	139		
		115A	33.0	39.7	53	60	49	135	56	60	51	137	137	137	56	60	51	137	58	60	53	139	
		114A+116A	41.7	50.2	66	70	61	135	69	70	63	137	137	137	69	70	63	137	71	80	65	139	
		115A+113A	50.0	60.1	64	70	72	135	66	70	74	74	137	137	67	70	75	137	69	70	77	139	
	MED	NONE	-	-	26	163	163	163	28	30	29	165	165	165	28	30	30	165	30	35	32	167	
		116A	13.9	16.7	28	30	27	163	30	30	29	165	165	165	31	35	30	165	33	35	32	167	
		113A	16.5	19.8	32	35	29	163	34	35	31	165	165	165	35	35	31	165	37	40	33	167	
		115A	33.0	39.7	57	60	52	163	59	60	54	165	165	165	59	60	54	165	62	70	56	167	
		114A+116A	41.7	50.2	70	70	64	163	72	80	66	165	165	165	73	80	66	165	75	80	68	167	
		115A+113A	50.0	60.1	67	80	75	163	69	80	77	165	165	165	71	80	78	166	74	80	81	167	
575-3-60	STD	NONE	-	-	18	105	105	22	25	23	109	109	109	19	25	20	107	23	25	25	111		
		116A	13.9	16.7	29	30	29	105	32	35	31	109	109	109	32	35	31	109	34	35	32	111	
		113A	16.5	19.8	33	35	30	105	35	35	32	109	109	109	36	40	33	109	38	40	35	111	
		115A	33.0	39.7	58	60	53	105	60	60	55	109	109	109	61	70	56	107	61	70	56	111	
		114A+116A	41.7	50.2	71	80	65	105	73	80	67	109	109	109	74	80	68	107	71	80	79	111	
		115A+113A	50.0	60.1	69	80	76	105	71	80	79	79	109	109	71	80	79	107	74	80	81	111	
	MED	NONE	-	-	19	116	116	116	22	25	24	120	120	120	20	25	21	118	24	30	26	122	
		118A	17.0	20.4	29	30	27	116	34	35	31	120	120	120	32	35	29	118	36	40	33	122	
		119A	34.0	40.9	54	60	49	116	60	60	55	120	120	120	57	60	52	118	62	70	57	122	
		118A+119A	51.0	61.3	64	70	73	116	69	80	77	120	120	120	67	70	76	118	72	80	79	122	
		118A+119A	51.0	61.3	65	70	74	116	70	80	78	120	120	120	67	70	76	118	72	80	80	122	
		118A+119A	51.0	61.3	69	80	77	116	74	80	77	120	120	120	71	80	79	118	74	80	81	122	

See: Legend and Notes for Tables 1 - 8 on page 26.

Table 6 – 50HC 07-12 Unit Wire Sizing Data with Factory Installed HACR Breaker - Single Speed Indoor Fan Motor

UNIT	NO M. V-PH-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.						w/ PWRD C.O.								
		IFM-TYPE	CRHEATER***A00	Nom (kW)	FLA	NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)					
						MCA	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*A07 (1-stage cool)	460-3-60	STD	NONE	-	-	32	161	37	50	36	165	38	50	37	166	42	60	42	170	
			264A	4.9/6.5	13.6/15.6	32/32	161/161	37/37	50/50	36/36	165/165	38/38	50/50	37/37	166/166	42/42	60/60	42/42	170/170	
			117A	7.8/10.4	21.7/25.0	32/35	161/161	43/43	50/50	36/39	165/165	44/44	50/50	37/40	166/166	49/49	60/60	42/45	170/170	
			110A	12.0/16.0	33.4/38.5	44/50	161/161	49/55	60/60	49/55	165/165	61/61	70/70	50/56	166/166	66/66	70/70	54/60	170/170	
			117A+117A	15.8/21.0	43.8/50.5	56/64	161/161	75/75	80/80	61/68	165/165	76/76	80/80	62/70	166/166	81/81	90/90	66/74	170/170	
			110A+117A	19.9/26.5	55.2/63.8	69/79	161/161	91/91	100/100	74/84	165/165	93/93	100/100	75/85	166/166	97/97	100/100	79/89	170/170	
			NONE	-	-	36/36	214	40/40	50/50	40/40	218	41/41	41/41	60/60	41/41	219	45/45	60/60	46/45	223
			264A	4.9/6.5	13.6/15.6	36/36	214/214	40/40	50/50	40/40	218/218	41/41	60/60	41/41	219/219	45/45	60/60	46/45	223/223	
			117A	7.8/10.4	21.7/25.0	36/38	214/214	47/47	50/50	40/43	218/218	48/48	60/60	41/44	219/219	53/53	60/60	46/48	223/223	
			110A	12.0/16.0	33.4/38.5	48/54	214/214	64/64	70/70	52/58	218/218	65/65	70/70	54/59	219/219	70/70	70/70	58/64	223/223	
50HC*A07 (1-stage cool)	460-3-60	MED	NONE	-	-	42/41	230	45/45	60/60	46/45	234	46/46	60/60	47/46	235	50/50	60/60	52/50	239	
			264A	4.9/6.5	13.6/15.6	42/41	230/230	45/45	60/60	46/45	234/234	46/46	60/60	47/46	235/235	50/50	60/60	52/50	239/239	
			117A	7.8/10.4	21.7/25.0	42/43	230/230	52/52	60/60	48/48	234/234	54/54	60/60	47/49	235/235	58/58	60/60	52/53	239/239	
			110A	12.0/16.0	33.4/38.5	54/59	230/230	69/69	70/70	56/63	234/234	70/70	80/70	60/64	235/235	75/75	80/80	64/69	239/239	
			117A+117A	15.8/21.0	43.8/50.5	66/73	230/230	84/84	90/90	70/77	234/234	85/85	90/90	72/78	235/235	90/90	90/90	76/83	239/239	
			110A+117A	19.9/26.5	55.2/63.8	79/88	230/230	101/101	110/110	83/92	234/234	102/102	110/110	85/93	235/235	107/107	110/110	89/98	239/239	
			NONE	-	-	14	79	17	20	16	81	17	20	17	20	81	19	25	19	83
			265A	6.0	7.2	14	79	17	20	16	81	17	20	17	20	81	19	25	19	83
			266A	11.5	13.8	19	79	23	25	21	81	24	25	21	25	81	26	30	23	83
			267A	14.0	16.8	22	79	27	30	24	81	27	30	25	30	81	30	30	27	83
50HC*A07 (1-stage cool)	460-3-60	MED	NONE	-	-	35	79	41	45	37	81	41	45	37	81	43	45	39	83	
			268A	23.0	27.7	35	79	41	45	37	81	41	45	37	81	43	45	39	83	
			269A	25.5	30.7	38	79	44	45	40	81	45	45	41	45	47	50	43	83	
			NONE	-	-	16	106	18	20	18	108	19	25	19	25	108	21	25	21	110
			265A	6.0	7.2	16	106	18	20	18	108	19	25	19	25	108	21	25	21	110
			266A	11.5	13.8	21	106	25	25	23	108	26	30	23	30	108	28	30	25	110
			267A	14.0	16.8	24	106	29	30	26	108	29	30	27	30	108	32	35	29	110
			268A	23.0	27.7	30	106	43	45	39	108	43	45	39	45	108	45	45	41	110
			269A	25.5	30.7	37	106	46	46	42	108	47	50	43	45	108	48	50	44	110
			50HC*A07 (1-stage cool)	460-3-60	HIGH	NONE	-	-	19	114	21	25	21	116	21	25	21	116	23	30
265A	6.0	7.2				19	114	21	25	21	116	21	25	21	116	23	30	23	118	
266A	11.5	13.8				23	114	28	30	25	116	28	30	26	116	31	35	28	118	
267A	14.0	16.8				27	114	32	35	29	116	32	35	29	116	34	35	31	118	
268A	23.0	27.7				39	114	45	45	41	116	46	46	42	116	48	50	44	118	
269A	25.5	30.7				43	114	45	50	45	116	46	50	45	116	52	50	47	118	
NONE	-	-				11	66	15	15	15	70	13	15	13	15	68	17	20	17	72
118A	17.0	20.4				25	66	33	35	30	70	30	30	27	30	68	35	35	32	72
299A	25.7	25.8				32	66	39	40	36	70	37	40	33	33	68	42	45	38	72
50HC*A07 (1-stage cool)	460-3-60	STD				NONE	-	-	12	81	17	20	17	85	14	20	14	83	18	20
			118A	17.0	20.4	12	81	17	20	17	85	14	20	14	83	18	20	19	87	
			299A	25.7	25.8	17	81	17	20	17	85	14	20	14	83	18	20	19	87	
			NONE	-	-	15	95	19	25	20	99	17	20	17	97	21	25	22	101	
			118A	17.0	20.4	15	95	19	25	20	99	17	20	17	97	21	25	22	101	
			299A	25.7	25.8	19	95	19	25	20	99	17	20	17	97	21	25	22	101	
			NONE	-	-	30	95	38	40	34	99	35	35	32	32	97	40	40	36	101
			118A	17.0	20.4	30	95	38	40	34	99	35	35	32	32	97	40	40	36	101
			299A	25.7	25.8	36	95	44	45	40	99	42	45	38	38	97	47	50	42	101

See: "Legend and Notes for Tables 1 - 8" on page 26.

**Table 6 - 50HC 07-12 Unit Wire Sizing Data with Factory Installed HACR Breaker - Single Speed Indoor Fan Motor (cont)**

UNIT	NO M.-V-Ph-HZ	IFM-TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.				NO P.E.				w/ PWRD C.O.								
			CRHEATER***A00	Nom (kW)	FLA	NO RE.		w/ P.E. (pwrd fr/unit)		NO PE.		w/ P.E. (pwrd fr/unit)		HACR BRKR		DISC. SIZE					
						MCA	HACR BRKR	FLA	LRA	MCA	HACR BRKR	FLA	LRA	MCA	HACR BRKR	FLA	LRA				
208/230-3-60	STD	NONE	-	-	39	50	41	191	43	50	45	195	44	50	46	196	48	60	51	200	
		117A	7.8/10.4	21.7/25.0	39/39	50/50	41/41	191/191	43/43	50/50	45/45	195/195	44/44	50/50	48/48	196/196	49/49	60/60	51/51	200/200	
		110A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	191/191	60/60	60/60	49/55	195/195	61/61	70/70	50/56	196/196	66/66	70/70	54/60	200/200	
		111A	18.0/24.8	51.7/59.7	82/82	90/90	65/75	191/191	86/86	90/90	70/79	195/195	88/88	90/90	71/80	196/196	92/92	100/100	75/85	200/200	
		112A	24.0/32.0	66.7/77.0	103/103	110/110	83/95	191/191	108/108	110/110	87/99	195/195	109/109	110/110	88/100	196/196	114/114	125/125	93/104	200/200	
		112A+117A	31.8/42.4	88.4/102.0	134/134	150/150	108/123	191/191	139/139	150/150	112/128	195/195	140/140	150/150	113/129	196/196	145/145	150/150	118/133	200/200	
		NONE	-	-	41/41	50/50	43/42	229	45/45	50/50	47/47	233	46/46	50/50	48/48	234	50/50	53/52	60/60	53/52	238
		117A	7.8/10.4	21.7/25.0	41/41	50/50	43/42	229/229	45/45	50/50	47/47	233/233	46/46	50/50	48/48	234/234	51/51	60/60	53/52	60/60	238/238
		110A	12.0/16.0	33.4/38.5	57/57	60/60	46/52	229/229	62/62	70/70	51/56	233/233	63/63	70/70	52/58	234/234	68/68	70/70	56/62	70/70	238/238
		111A	18.0/24.8	51.7/59.7	83/83	90/90	67/76	229/229	88/88	90/90	72/81	233/233	89/89	90/90	73/82	234/234	94/94	100/100	77/86	100/100	238/238
		112A	24.0/32.0	66.7/77.0	105/105	110/110	85/96	229/229	110/110	110/110	89/101	233/233	111/111	125/125	90/102	234/234	116/116	125/125	95/106	125/125	238/238
		112A+117A	31.8/42.4	88.4/102.0	136/136	150/150	110/125	229/229	141/141	150/150	114/129	233/233	142/142	150/150	115/131	234/234	147/147	150/150	119/135	150/150	238/238
460-3-60	STD	NONE	-	-	18	20	19	95	18	20	21	97	21	25	21	97	22	25	23	99	
		116A	13.9	16.7	25	25	22	95	27	30	24	97	27	30	25	97	30	30	27	99	
		113A	16.5	19.8	28	30	26	95	31	35	28	97	31	35	28	97	33	35	30	99	
		114A	27.8	33.4	45	50	41	95	48	50	43	97	48	50	44	97	50	60	46	99	
		115A	33.0	39.7	53	60	49	95	56	60	51	97	56	60	51	97	58	60	53	99	
		114A+116A	41.7	50.2	66	70	61	95	69	70	63	97	69	70	63	97	71	80	65	99	
		NONE	-	-	19	25	20	114	21	25	22	116	21	25	22	116	23	25	24	118	
		116A	13.9	16.7	26	30	23	114	28	30	25	116	28	30	26	116	31	35	28	118	
		113A	16.5	19.8	29	30	27	114	32	35	29	116	32	35	29	116	34	35	31	118	
		114A	27.8	33.4	46	50	42	114	49	50	44	116	49	50	45	116	51	60	47	118	
		115A	33.0	39.7	54	60	50	114	57	60	52	116	57	60	52	116	59	60	54	118	
		114A+116A	41.7	50.2	67	70	62	114	70	70	64	116	70	70	64	116	72	80	66	118	
460-3-60	MED	NONE	-	-	21	25	22	129	23	25	24	131	23	25	24	131	25	30	27	133	
		116A	13.9	16.7	28	30	25	129	30	30	27	131	31	35	28	131	33	35	30	133	
		113A	16.5	19.8	32	35	29	129	34	35	31	131	35	35	31	131	37	40	33	133	
		114A	27.8	33.4	49	50	45	129	51	60	47	131	52	60	47	131	54	60	49	133	
		115A	33.0	39.7	57	60	52	129	59	60	54	131	59	60	54	131	62	70	56	133	
		114A+116A	41.7	50.2	70	70	64	129	72	80	66	131	73	80	66	131	75	80	68	133	
		NONE	-	-	13	15	13	77	17	20	17	81	14	15	15	79	18	20	19	83	
		118A	17.0	20.4	28	30	25	77	33	35	30	81	30	30	27	79	35	35	32	83	
		119A	34.0	40.9	54	60	49	77	58	60	53	81	56	60	51	79	60	70	55	83	
		NONE	-	-	13	15	13	81	17	20	18	85	15	20	15	83	19	20	20	87	
		118A	17.0	20.4	28	30	26	81	33	35	30	85	31	35	28	83	35	35	32	87	
		119A	34.0	40.9	54	60	49	81	59	60	54	85	56	60	51	83	61	70	56	87	
575-3-60	HIGH	NONE	-	-	14	15	14	92	18	20	19	96	16	20	16	94	19	25	21	98	
		118A	17.0	20.4	29	30	27	92	34	35	31	96	32	35	29	94	36	40	33	98	
		119A	34.0	40.9	55	60	50	92	60	60	55	96	57	60	52	94	62	70	57	98	

See: "Legend and Notes for Tables 1 - 8" on page 26.

**Table 6 - 50HC 07-12 Unit Wire Sizing Data with Factory Installed HACR Breaker - Single Speed Indoor Fan Motor (cont)**

UNIT	NO M. V-Ph-HZ	ELEC. HTR			NO C.O. or UNPWR C.O.						w/ PWRD C.O.											
		CRHEATER***A00	Nom (kW)	FLA	NO RE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)								
					MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE		
50HC*D09 (2-stage cool)	460-3-60	STD	NONE	-	-	39	50	41	191	43	50	45	195	44	50	46	196	48	60	51	200	
			117A	7.8/10.4	21.7/25.0	39/39	50/50	41/41	191/191	43/43	50/50	45/45	195/195	44/44	50/50	48/48	196/196	49/49	60/60	51/51	200/200	
			110A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	191/191	60/60	60/60	49/55	196/196	61/61	70/70	50/56	196/196	66/66	70/70	54/60	200/200	
			111A	18.0/24.8	51.7/59.7	82/82	90/90	65/75	191/191	86/86	90/90	70/79	195/195	88/88	90/90	71/80	196/196	92/92	100/100	75/85	200/200	
			112A	24.0/32.0	66.7/77.0	103/103	110/110	83/95	191/191	108/108	110/110	87/99	195/195	109/109	110/110	88/100	196/196	114/114	125/125	93/104	200/200	
			112A+117A	31.8/42.4	88.4/102.0	134/134	150/150	108/123	191/191	139/139	150/150	112/128	195/195	140/140	150/150	113/129	196/196	145/145	150/150	118/133	200/200	
			NONE	-	-	41/41	50/50	43/43	229	45/45	50/50	47/47	233	46/46	50/50	48/48	234	50/50	53/53	60/60	53/53	238
			117A	7.8/10.4	21.7/25.0	41/41	50/50	43/43	229/229	45/45	50/50	47/47	233/233	46/46	50/50	48/48	234/234	51/51	60/60	53/53	60/60	53/53
			110A	12.0/16.0	33.4/38.5	57/57	60/60	46/52	229/229	62/62	70/70	51/56	233/233	63/63	70/70	52/58	234/234	68/68	70/70	56/62	70/70	56/62
			111A	18.0/24.8	51.7/59.7	83/83	90/90	67/76	229/229	88/88	90/90	72/81	233/233	89/89	90/90	73/82	234/234	94/94	100/100	77/86	100/100	77/86
			112A	24.0/32.0	66.7/77.0	105/105	110/110	85/96	229/229	110/110	110/110	89/101	233/233	111/111	125/125	90/102	234/234	116/116	125/125	95/106	125/125	95/106
			112A+117A	31.8/42.4	88.4/102.0	136/136	150/150	110/125	229/229	141/141	150/150	114/129	233/233	142/142	150/150	115/131	234/234	147/147	150/150	119/135	150/150	119/135
50HC*D09 (2-stage cool)	460-3-60	STD	NONE	-	-	19	20	19	95	19	25	21	97	21	25	22	97	23	25	24	99	
			116A	13.9	16.7	25	25	22	95	27	30	24	97	27	30	25	97	30	30	27	99	
			113A	16.5	19.8	28	30	26	95	31	35	28	97	31	35	28	97	33	35	30	27	99
			114A	27.8	33.4	45	50	41	95	48	50	43	97	48	50	44	97	50	50	46	46	99
			115A	33.0	39.7	53	60	49	95	56	60	51	97	56	60	51	97	58	60	53	53	99
			114A+116A	41.7	50.2	66	70	61	95	69	70	63	97	69	70	63	97	71	80	65	65	99
			NONE	-	-	19	25	20	114	21	25	22	116	22	116	23	25	23	116	23	25	25
			116A	13.9	16.7	26	30	23	114	28	30	25	116	28	30	26	116	31	35	28	28	118
			113A	16.5	19.8	29	30	27	114	32	35	29	116	32	35	29	116	34	35	31	31	118
			114A	27.8	33.4	46	50	42	114	49	50	44	116	49	50	45	116	51	60	47	60	118
			115A	33.0	39.7	54	60	50	114	57	60	52	116	57	60	52	116	59	60	54	60	118
			114A+116A	41.7	50.2	67	70	62	114	70	70	64	116	70	70	64	116	72	80	66	66	118
575-3-60	STD	NONE	-	-	21	25	24	131	23	25	24	131	24	25	25	131	25	25	27	133		
		116A	13.9	16.7	28	30	25	129	30	27	131	31	30	28	131	33	35	30	30	133		
		113A	16.5	19.8	32	35	29	129	34	35	31	131	35	31	131	37	40	33	33	133		
		114A	27.8	33.4	49	50	45	129	51	60	47	131	52	60	47	131	54	60	49	49	133	
		115A	33.0	39.7	57	60	52	129	59	60	54	131	59	60	54	131	62	70	56	56	133	
		114A+116A	41.7	50.2	70	70	64	129	72	80	66	131	73	80	66	131	75	80	68	68	133	
		NONE	-	-	14	15	14	77	18	20	19	81	16	20	16	79	20	25	21	21	83	
		118A	17.0	20.4	28	30	25	77	33	35	30	81	30	30	27	79	35	35	32	32	83	
		119A	34.0	40.9	54	60	49	77	58	60	53	81	56	60	51	79	60	70	55	55	83	
		NONE	-	-	14	20	15	81	18	20	19	85	16	20	17	83	20	25	21	21	87	
		118A	17.0	20.4	28	30	26	81	33	35	30	85	31	35	28	83	35	35	32	32	87	
		119A	34.0	40.9	54	60	49	81	59	60	54	85	56	60	51	83	61	70	56	56	87	
575-3-60	HIGH	NONE	-	-	15	20	16	92	19	20	20	96	17	20	18	94	21	25	22	98		
		118A	17.0	20.4	29	30	27	92	34	35	31	96	32	35	29	94	36	40	33	98		
		119A	34.0	40.9	55	60	50	92	60	60	55	57	57	60	52	94	62	70	57	98		

See: "Legend and Notes for Tables 1 - 8" on page 26.

**Table 6 - 50HC 07-12 Unit Wire Sizing Data with Factory Installed HACR Breaker - Single Speed Indoor Fan Motor (cont)**

UNIT	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.						NO P.E.						w/ PWRD C.O.						
		CRHEATER**A00	Nom (kW)	FLA	NO RE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)			MCA			w/ P.E. (pwrd fr/unit)			
					MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA				
208/230-3-60	STD	NONE	-	-	49	60	51	257	53	60	55	261	54	60	57	262	57	70	61	266	266	266	
		117A	7.8/10.4	21.7/25.0	49/49	60/60	51/51	257/257	53/53	60/60	55/55	261/261	54/54	60/60	57/57	262/262	57/57	70/70	61/61	266/266	266/266	266/266	
		110A	12.0/16.0	33.4/38.5	55/55	60/60	51/51	257/257	60/60	60/60	55/55	261/261	61/61	70/70	70/70	262/262	57/57	70/70	61/61	266/266	266/266	266/266	
		112A	24.0/32.0	66.7/77.0	103/103	110/110	83/95	257/257	108/108	110/110	110/110	87/99	261/261	109/109	110/110	110/110	262/262	88/100	125/125	93/104	266/266	266/266	266/266
		112A+117A	31.8/42.4	88.4/102.0	134/134	150/150	108/123	257/257	139/139	150/150	150/150	112/128	261/261	140/140	150/150	150/150	262/262	145/145	150/150	118/133	266/266	266/266	266/266
		112A+110A	37.6/50.0	104.2/120.3	137/137	150/150	126/144	257/257	142/142	150/150	150/150	130/149	261/261	143/143	150/150	150/150	262/262	148/148	150/150	136/154	266/266	266/266	266/266
	MED	NONE	-	-	54	60	57	313	58	70	62	317	59	70	63	318	63	70	67	322	322	322	
		117A	7.8/10.4	21.7/25.0	54/54	60/60	57/57	313/313	58/58	70/70	62/62	317/317	59/59	70/70	63/63	318/318	63/63	70/70	67/67	322/322	322/322	322/322	
		110A	12.0/16.0	33.4/38.5	62/62	70/70	57/57	313/313	67/67	70/70	62/62	317/317	68/68	70/70	63/63	318/318	73/73	80/80	67/67	322/322	322/322	322/322	
		112A	24.0/32.0	66.7/77.0	110/110	110/110	89/101	313/313	115/115	125/125	125/125	93/105	317/317	116/116	125/125	125/125	318/318	121/121	125/125	99/111	322/322	322/322	
		112A+117A	31.8/42.4	88.4/102.0	141/141	150/150	114/129	313/313	146/146	150/150	150/150	118/134	317/317	147/147	150/150	150/150	318/318	152/152	175/175	124/139	322/322	322/322	
		112A+110A	37.6/50.0	104.2/120.3	144/144	150/150	132/151	313/313	149/149	150/150	150/150	136/155	317/317	150/150	150/150	150/150	318/318	155/155	175/175	142/160	322/322	322/322	
460-3-60	HIGH	NONE	-	-	22	25	23	123	24	30	25	125	25	30	26	125	26	30	28	127	127		
		116A	13.9	16.7	25	30	26	123	27	30	25	125	27	30	26	125	26	30	28	127	127		
		113A	16.5	19.8	28	30	26	123	31	35	28	125	31	35	28	125	33	35	30	127	127		
		115A	33.0	39.7	53	60	49	123	56	60	51	125	56	60	51	125	58	60	53	127	127		
		114A+116A	41.7	50.2	66	70	61	123	69	70	63	125	69	70	63	125	71	80	65	127	127		
		115A+113A	50.0	60.1	64	70	72	123	66	70	74	125	67	70	75	125	69	70	77	127	127		
	MED	NONE	-	-	25	30	26	151	27	30	28	153	27	30	29	153	29	35	31	155	155		
		116A	13.9	16.7	28	30	26	151	30	30	28	153	31	35	29	153	33	35	31	155	155		
		113A	16.5	19.8	32	35	28	151	34	35	31	153	35	35	31	153	37	40	33	155	155		
		115A	33.0	39.7	57	60	52	151	59	60	54	153	59	60	54	153	62	70	56	155	155		
		114A+116A	41.7	50.2	70	70	64	151	72	80	66	153	73	80	66	153	75	80	68	155	155		
		115A+113A	50.0	60.1	67	80	75	151	69	80	80	77	153	70	80	78	153	72	80	80	155	155	
50HC*D11 (2-stage cool)	HIGH	NONE	-	-	26	30	28	152	28	30	26	154	28	30	26	154	28	30	28	156	156		
		116A	13.9	16.7	29	30	28	152	32	35	30	154	32	35	30	154	34	35	32	156	156		
		113A	16.5	19.8	33	35	30	152	35	35	32	154	36	40	35	154	38	40	35	156	156		
		115A	33.0	39.7	58	60	53	152	60	60	55	154	61	70	56	154	63	70	58	156	156		
		114A+116A	41.7	50.2	71	80	65	152	73	80	67	154	74	80	68	154	76	80	70	156	156		
		115A+113A	50.0	60.1	69	80	76	152	71	80	79	154	71	80	79	154	74	80	81	156	156		
	STD	NONE	-	-	18	20	18	95	21	25	23	99	19	25	20	97	23	25	24	101	101		
		118A	17.0	20.4	28	30	26	95	33	35	30	99	31	35	28	97	35	35	32	101	101		
		119A	34.0	40.9	54	60	49	95	59	60	54	99	56	60	51	97	61	70	56	101	101		
		118A+119A	51.0	61.3	64	70	73	95	69	80	77	99	66	71	80	75	97	71	80	79	101	101	
		NONE	-	-	18	20	19	106	22	25	23	110	20	25	21	108	24	25	25	112	112		
		118A	17.0	20.4	29	30	27	106	34	35	31	108	32	35	28	110	36	40	33	112	112		
575-3-60	MED	119A	34.0	40.9	55	60	50	106	60	60	55	110	57	60	52	108	62	70	57	112	112		
		118A+119A	51.0	61.3	65	70	74	106	70	80	78	110	67	70	76	108	72	80	80	112	112		
		NONE	-	-	21	25	22	120	25	30	27	124	23	25	24	122	27	30	29	126	126		
		118A	17.0	20.4	33	35	30	120	38	40	34	124	35	35	32	122	40	40	36	126	126		
		119A	34.0	40.9	59	60	53	120	63	70	58	124	61	70	55	122	65	70	60	126	126		
		118A+119A	51.0	61.3	69	80	77	120	74	80	81	124	71	80	79	122	76	80	83	126	126		

See: "Legend and Notes for Tables 1 - 8" on page 26.





Table 7 – 50HC 08-12 Unit Wire/Fuse or HACR Breaker Sizing Data - 2-Speed Indoor Fan Motor

UNIT	NO M, V-PH-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.										w/ PWRD C.O.													
		IFM-TYPE	Nom (kW)	FLA	CRHEATER**A00	NO PE.					w/ P.E. (pwrd fr/unit)					NO PE.					w/ P.E. (pwrd fr/unit)								
						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	MCA	MAX FUSE or HACR BRKR	FLA	LRA				
208/230-3-60	STD	NONE	-	-	40/40	50/50	41/41	195	44/43	50/50	46/46	199	45/44	50/50	47/47	200	48/48	60/60	51/51	204/204	60/60	51/51	204/204	60/60	51/51	204/204	60/60	51/51	204/204
		117A	7.8/10.4	21.7/25.0	40/40	50/50	41/41	195/195	44/43	50/50	46/46	199/199	45/45	50/50	47/47	200/200	48/49	60/60	51/51	204/204	60/60	51/51	204/204	60/70	55/61	204/204	60/70	55/61	204/204
		110A	12.0/16.0	33.4/38.5	49/56	50/60	45/51	195/195	54/60	60/60	49/55	199/199	55/62	60/70	80/90	200/200	60/66	90/100	76/85	204/204	90/100	76/85	204/204	90/100	76/85	204/204	90/100	76/85	204/204
		111A	18.6/24.8	51.7/59.7	72/82	80/90	66/75	195/195	77/87	80/90	70/79	199/199	78/88	80/90	100/110	200/200	83/93	102/114	118/134	204/204	118/134	93/105	118/134	204/204	118/134	93/105	118/134	204/204	
		112A	24.0/32.0	66.7/77.0	91/104	100/110	83/95	195/195	96/108	100/110	89/99	199/199	97/110	100/110	125/150	200/200	102/114	129/146	150/150	118/134	129/146	125/150	118/134	200/200	102/114	129/146	150/150	118/134	200/200
		112A+117A	31.8/42.4	88.4/102.0	118/135	125/150	108/124	195/195	123/140	125/150	113/128	199/199	124/141	125/150	150/150	200/200	129/146	150/150	129/146	150/150	129/146	150/150	129/146	150/150	129/146	150/150	129/146	150/150	129/146
	MED	NONE	-	-	41/41	50/50	43/43	199	45/45	50/50	47/47	203	46/46	50/50	48/48	204	50/49	60/60	53/52	208	60/60	53/52	208	60/60	53/52	208	60/60	53/52	208
		117A	7.8/10.4	21.7/25.0	41/41	50/50	43/43	199/199	45/45	50/50	47/47	203/203	46/46	50/50	48/48	204/204	50/51	60/60	53/52	208	60/60	53/52	208	60/60	53/52	208	60/60	53/52	208
		110A	12.0/16.0	33.4/38.5	51/57	60/60	47/52	199/199	56/62	60/70	51/56	203/203	57/63	60/70	80/90	204/204	62/68	70/70	56/62	208	70/70	56/62	208	70/70	56/62	208	70/70	56/62	208
		111A	18.6/24.8	51.7/59.7	74/84	80/90	68/76	199/199	79/88	80/90	72/81	203/203	80/90	80/90	100/110	204/204	85/94	90/100	78/86	208	90/100	78/86	208	90/100	78/86	208	90/100	78/86	208
		112A	24.0/32.0	66.7/77.0	93/105	100/110	85/96	199/199	97/110	100/110	89/101	203/203	99/111	100/125	150/150	204/204	103/116	110/125	95/106	208	110/125	95/106	208	110/125	95/106	208	110/125	95/106	208
		112A+117A	31.8/42.4	88.4/102.0	120/136	125/150	110/125	199/199	125/141	125/150	114/129	203/203	126/142	150/150	150/150	204/204	131/147	150/150	120/135	208	150/150	120/135	208	150/150	120/135	208	150/150	120/135	208
460-3-60	STD	NONE	-	-	45/44	50/50	47/46	249	49/48	60/60	52/50	253	50/49	60/60	53/52	254	53/52	60/60	57/56	258	60/60	57/56	258	60/60	57/56	258	60/60	57/56	258
		116A	13.9	16.7	25	30	23	97	27	30	25	99	28	30	25	99	28	30	25	99	28	30	25	99	28	30	25	99	28
		113A	16.5	19.8	29	30	26	97	31	35	28	99	32	35	29	99	33	35	29	99	33	35	29	99	33	35	29	99	33
		114A	27.8	33.4	46	50	42	97	48	50	44	99	49	50	44	99	49	50	44	99	49	50	44	99	49	50	44	99	49
		115A	33.0	39.7	54	60	49	97	56	60	51	99	56	60	51	99	56	60	51	99	56	60	51	99	56	60	51	99	56
		114A+116A	41.7	50.2	67	70	61	97	67	70	63	97	64	70	63	97	64	70	63	97	64	70	63	97	64	70	63	97	64
	MED	NONE	-	-	19	20	19	97	20	21	25	99	21	25	102	21	25	22	25	101	25	22	25	102	21	25	22	25	102
		116A	13.9	16.7	26	30	23	100	21	25	22	102	21	25	22	102	21	25	22	102	21	25	22	102	21	25	22	102	21
		113A	16.5	19.8	29	30	27	100	32	35	29	102	32	35	29	102	32	35	29	102	32	35	29	102	32	35	29	102	32
		114A	27.8	33.4	46	50	42	100	49	50	44	102	49	50	44	102	49	50	44	102	49	50	44	102	49	50	44	102	49
		115A	33.0	39.7	54	60	50	100	57	60	52	102	57	60	52	102	57	60	52	102	57	60	52	102	57	60	52	102	57
		114A+116A	41.7	50.2	67	70	62	100	70	70	64	102	70	70	64	102	70	70	64	102	70	70	64	102	70	70	64	102	70
575-3-60	STD	NONE	-	-	14	15	14	79	18	20	19	83	16	20	19	83	16	20	19	83	16	20	19	83	16	20	19	83	
		118A	17.0	20.4	29	30	27	79	34	35	31	83	32	35	29	83	32	35	29	83	32	35	29	83	32	35	29	83	
		119A	34.0	40.9	55	60	50	79	60	60	55	83	57	60	55	83	57	60	55	83	57	60	55	83	57	60	55	83	
		NONE	-	-	15	20	15	83	18	20	19	87	16	20	19	87	16	20	19	87	16	20	19	87	16	20	19	87	
		118A	17.0	20.4	30	30	27	83	35	35	32	87	32	35	29	87	32	35	29	87	32	35	29	87	32	35	29	87	
		119A	34.0	40.9	56	60	51	83	61	70	55	87	58	60	53	87	58	60	53	87	58	60	53	87	58	60	53	87	
	MED	NONE	-	-	16	20	16	92	19	25	21	96	17	20	18	94	21	25	21	96	17	20	18	94	21	25	21	96	
		118A	17.0	20.4	32	35	29	92	36	40	33	96	34	35	31	94	38	40	35	96	34	35	31	94	38	40	35	96	
		119A	34.0	40.9	57	60	52	92	62	70	57	96	59	60	54	94	64	70	59	96	59	60	54	94	64	70	59	96	
		NONE	-	-	16	20	16	92	19	25	21	96	17	20	18	94	21	25	21	96	17	20	18	94	21	25	21	96	
		118A	17.0	20.4	32	35	29	92	36	40	33	96	34	35	31	94	38	40	35	96	34	35	31	94	38	40	35	96	
		119A	34.0	40.9	57	60	52	92	62	70	57	96	59	60	54	94	64	70	59	96	59	60	54	94	64	70	59	96	

See: "Legend and Notes for Tables 1 - 8" on page 26.

**Table 7 - 50HC 08-12 Unit Wire/Fuse or HACR Breaker Sizing Data - 2-Speed Indoor Fan Motor (cont)**

UNIT	NO M. V-PH-HZ	ELEC. HTR			NO C.O. or UNPWR C.O.						NO PE.						w/ PWRD C.O.				
		IFM-TYPE	Nom (kW)	FLA	NO RE.		DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	MCA	DISC. SIZE		MAX FUSE or HACR BRKR	DISC. SIZE		
					MCA	FUSE or HACR BRKR	FLA	LRA			FLA	LRA				FLA	LRA		FLA	LRA	FLA
50HC'D09 (2-stage cool)	208/230-3-60	STD	NONE	-	-	40/40	50/50	42/41	195	44/44	50/50	46/46	199	45/45	45/45	47/47	200	49/48	60/60	52/51	204
			117A	7.8/10.4	21.7/25.0	40/40	50/50	42/41	195/195	44/44	50/50	46/46	199/199	44/44	47/47	200/200	49/48	60/60	52/51	204/204	
			110A	12.0/16.0	33.4/38.5	49/56	50/60	45/51	195/195	54/60	60/60	49/55	199/199	55/62	60/70	51/56	200/200	60/66	60/70	55/61	204/204
			111A	18.6/24.8	51.7/59.7	72/82	80/90	66/75	195/195	77/87	80/90	70/79	199/199	78/88	80/90	72/81	200/200	83/93	90/100	76/85	204/204
			112A	24.0/32.0	66.7/77.0	91/104	100/110	83/95	195/195	97/110	100/110	88/99	199/199	97/110	100/110	89/101	200/200	102/114	110/125	93/105	204/204
			112A+117A	31.8/42.4	88.4/102.0	118/135	125/150	108/124	195/195	123/140	125/150	113/128	199/199	124/141	125/150	114/129	200/200	129/146	150/150	118/134	204/204
	460-3-60	MED	NONE	-	-	45/44	50/50	47/46	249	49/48	60/60	52/51	253	50/49	50/49	53/52	254	54/53	60/60	57/56	258
			117A	7.8/10.4	21.7/25.0	45/44	50/50	47/46	249/249	49/49	60/60	52/51	253/253	50/50	50/50	53/52	254/254	54/55	60/60	57/56	258/258
			110A	12.0/16.0	33.4/38.5	56/61	60/70	51/56	249/249	60/66	60/70	55/60	253/253	62/67	70/70	56/61	254/254	66/72	70/80	61/65	258/258
			111A	18.6/24.8	51.7/59.7	79/87	80/90	72/80	249/249	83/92	90/100	76/84	253/253	85/93	90/100	77/85	254/254	89/98	90/100	82/90	258/258
			112A	24.0/32.0	66.7/77.0	97/109	100/110	89/100	249/249	102/114	110/125	83/104	253/253	103/115	110/125	95/105	254/254	108/120	110/125	99/110	258/258
			112A+117A	31.8/42.4	88.4/102.0	124/140	125/150	114/129	249/249	129/145	150/150	118/133	253/253	130/146	150/150	120/134	254/254	135/151	150/175	124/138	258/258
575-3-60	STD	NONE	-	-	19	25	19	97	21	25	22	99	21	25	22	99	23	25	24	101	
		116A	13.9	16.7	25	30	23	97	27	30	25	99	28	30	25	99	30	30	27	101	
		113A	16.5	19.8	29	30	26	97	31	35	28	99	32	35	29	99	34	35	31	101	
		114A	27.8	33.4	46	50	42	97	48	50	44	99	49	50	44	99	51	60	46	101	
		115A	33.0	39.7	54	60	49	97	56	60	51	99	56	60	52	99	59	60	54	101	
		114A+116A	41.7	50.2	67	70	61	97	69	70	63	99	70	70	64	99	72	80	66	101	
	HIGH	NONE	-	-	19	25	20	100	21	25	22	102	22	25	23	102	23	25	24	104	
		116A	13.9	16.7	26	30	23	100	28	30	25	102	28	30	26	102	31	35	28	104	
		113A	16.5	19.8	29	30	27	100	32	35	29	102	32	35	29	102	34	35	31	104	
		114A	27.8	33.4	46	50	42	100	49	50	44	102	49	50	45	102	51	60	47	104	
		115A	33.0	39.7	54	60	50	100	57	60	52	102	57	60	52	102	59	60	54	104	
		114A+116A	41.7	50.2	67	70	62	100	70	70	64	102	70	70	64	102	72	80	66	104	
STD	NONE	-	-	15	20	16	79	19	20	18	83	17	20	18	81	18	21	25	22		
	118A	17.0	20.4	29	30	27	79	34	35	31	83	32	35	29	81	36	40	33	85		
	119A	34.0	40.9	55	60	50	79	60	60	55	83	57	60	52	81	62	70	57	85		
	NONE	-	-	16	20	16	83	20	25	21	87	18	20	18	85	21	25	23	89		
	118A	17.0	20.4	30	30	27	83	35	35	32	87	32	35	29	85	37	40	34	89		
	119A	34.0	40.9	56	60	51	83	61	70	55	87	58	60	53	85	63	70	57	89		
HIGH	NONE	-	-	17	20	18	92	21	25	22	96	19	20	19	94	22	25	24	98		
	118A	17.0	20.4	32	35	29	92	36	40	33	96	34	35	31	94	38	40	35	98		
	119A	34.0	40.9	57	60	52	92	62	70	57	96	59	60	54	94	64	70	59	98		

See: "Legend and Notes for Tables 1 - 8" on page 26.

**Table 7 - 50HC 08-12 Unit Wire/Fuse or HACR Breaker Sizing Data - 2-Speed Indoor Fan Motor (cont)**

UNIT	IFM-TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.										NO PWRD C.O.												
		CRHEATER**A00	Nom (kW)	FLA	NO P.E.					w/ P.E. (pwrd fr/unit)					NO P.E.					w/ P.E. (pwrd fr/unit)						
					MCA	MAX FUSE OF HACR BRKR	DISC. SIZE	FLA	LRA	MCA	MAX FUSE OF HACR BRKR	DISC. SIZE	FLA	LRA	MCA	MAX FUSE OF HACR BRKR	DISC. SIZE	FLA	LRA	MCA	MAX FUSE OF HACR BRKR	DISC. SIZE	FLA	LRA		
50HC*D11 (2-stage cool)	STD	NONE	-	-	53/53	254	55/54	60/60	58/57	258	56/55	60/60	59/58	259	59/59	63/63	263	63/63	263/263	63/63	263/263	63/63	263/263	63/63	263/263	
		117A	7.8/10.4	21.7/25.0	53/53	254/254	55/54	60/60	58/57	258/258	56/55	60/60	59/58	259/259	59/59	63/63	263	63/63	263/263	63/63	263/263	63/63	263/263	63/63	263/263	
		110A	12.0/16.0	33.4/38.5	51/57	254/254	56/62	60/70	58/57	258/258	57/63	60/70	59/58	259/259	59/59	63/63	263	63/63	263/263	63/63	263/263	63/63	263/263	63/63	263/263	
		112A	24.0/32.0	66.7/77.0	93/105	254/254	85/96	100/110	89/101	258/258	99/111	100/110	100/102	259/259	103/116	95/106	263	95/106	263/263	95/106	263/263	95/106	263/263	95/106	263/263	
		112A+117A	31.8/42.4	86.4/102.0	120/136	254/254	114/129	125/150	114/129	258/258	126/142	150/150	150/150	131/147	259/259	131/147	138/156	263	138/156	263/263	131/147	138/156	131/147	138/156	131/147	138/156
		112A+110A	37.6/50.0	104.2/120.3	140/129	254/254	144/134	150/150	132/151	258/258	146/135	150/150	150/150	134/152	259/259	150/140	150/150	263	150/150	263/263	150/140	150/150	150/150	138/156	131/147	138/156
	MED	NONE	-	-	54/53	304	58/57	60/60	62/61	308	59/58	60/60	63/62	309	63/62	67/66	313	67/66	313/313	63/62	309/309	63/62	309/309	63/62	313/313	
		117A	7.8/10.4	21.7/25.0	54/53	304/304	58/57	60/60	62/61	308/308	59/58	60/60	63/62	309/309	63/62	67/66	313	67/66	313/313	63/62	309/309	63/62	309/309	63/62	313/313	
		110A	12.0/16.0	33.4/38.5	56/61	304/304	60/66	60/70	62/61	308/308	62/67	70/70	69/62	309/309	66/72	70/80	313	70/80	313/313	66/72	309/309	66/72	309/309	66/72	313/313	
		112A	24.0/32.0	66.7/77.0	97/109	304/304	89/100	100/110	102/114	308/308	103/115	110/125	95/105	309/309	108/120	110/125	99/110	313	110/125	313/313	103/115	309/309	108/120	110/125	99/110	313/313
		112A+117A	31.8/42.4	86.4/102.0	124/140	304/304	114/129	125/150	118/133	308/308	130/146	150/150	120/134	309/309	135/151	150/175	124	150/175	313/313	135/151	309/309	135/151	309/309	124/138	313/313	
		112A+110A	37.6/50.0	104.2/120.3	144/137	304/304	132/150	150/150	137/154	308/308	150/139	150/150	138/155	309/309	155/144	175/175	142	175/175	313/313	155/144	309/309	155/144	309/309	142/160	313/313	
460-3-60	STD	NONE	-	-	23	122	25	26	124	25	28	30	27	124	27	29	126	29	126	27	124	27	124	29	126	
		116A	13.9	16.7	26	122	28	30	26	124	28	30	27	124	28	31	126	29	126	28	124	28	124	30	126	
		113A	16.5	19.8	29	122	32	35	29	124	32	35	30	124	32	34	126	31	126	32	124	32	124	35	126	
		115A	33.0	39.7	54	122	57	60	52	124	57	60	52	124	57	59	126	60	126	59	124	59	124	60	126	
		114A+116A	41.7	50.2	67	122	70	70	64	124	70	70	64	124	70	72	126	80	126	72	124	72	124	80	126	
		115A+113A	50.0	60.1	65	122	67	70	73	122	67	70	73	122	67	68	126	80	126	68	124	68	124	80	126	
	MED	NONE	-	-	25	147	27	30	28	149	27	30	28	149	27	30	151	30	151	27	149	27	149	30	151	
		116A	13.9	16.7	27	147	30	30	28	149	30	30	28	149	30	32	151	30	151	30	149	30	149	35	151	
		113A	16.5	19.8	31	147	34	35	30	149	34	35	31	149	34	36	151	33	151	31	149	34	149	40	151	
		115A	33.0	39.7	56	147	58	60	53	149	58	60	54	149	58	61	151	60	151	56	149	58	149	70	151	
		114A+116A	41.7	50.2	69	147	72	70	65	149	72	70	65	149	72	74	151	80	151	72	149	74	149	80	151	
		115A+113A	50.0	60.1	67	147	69	80	75	147	69	80	77	149	69	72	151	80	151	72	149	72	149	80	151	
575-3-60	STD	NONE	-	-	19	97	23	24	101	21	25	25	99	25	26	103	26	103	21	99	25	99	26	103		
		118A	17.0	20.4	30	97	35	30	32	101	32	34	30	99	32	34	103	30	103	32	99	32	99	34	103	
		119A	34.0	40.9	56	97	61	60	55	101	58	60	53	99	63	70	103	60	103	63	99	63	99	70	103	
		118A+119A	51.0	61.3	66	97	71	80	75	97	68	70	76	99	73	80	103	80	103	73	99	73	99	80	103	
		NONE	-	-	20	106	24	25	25	110	22	25	25	108	26	26	112	26	112	22	108	26	108	26	112	
		118A	17.0	20.4	32	106	36	35	33	110	34	35	31	108	36	38	112	35	112	34	108	36	108	36	112	
	MED	119A	34.0	40.9	57	106	62	70	57	110	59	60	54	108	64	70	112	60	112	64	108	64	108	64	112	
		118A+119A	51.0	61.3	67	106	72	80	76	110	70	80	78	108	74	80	112	80	112	74	108	74	108	74	112	
		NONE	-	-	22	120	26	26	27	124	24	25	25	122	28	28	126	28	126	24	122	28	122	28	126	
		118A	17.0	20.4	34	120	38	40	35	124	36	40	33	122	41	45	126	40	126	38	122	41	122	41	126	
		119A	34.0	40.9	59	120	64	70	59	124	61	70	56	122	66	70	126	70	126	66	122	66	122	66	126	
		118A+119A	51.0	61.3	70	120	74	80	78	124	72	80	80	122	76	80	126	80	126	72	122	76	122	76	126	

See: "Legend and Notes for Tables 1 - 8" on page 26.



**Table 8 – 50HC 08-12 Unit Wire Sizing Data with Factory Installed HACR Breaker - 2-Speed Indoor Fan Motor**

UNIT	NO M. V-PH-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.										w/ PWRD C.O.										
		IFM-TYPE	CRHEATER***A00	Nom (kW)	FLA	NO PE.					w/ P.E. (pwrd fr/unit)					NO PE.					w/ P.E. (pwrd fr/unit)					
						MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	
FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE	FLA	DISC. SIZE			
208/230-3-60	STD	NONE	-	-	-	40/40	50/50	41/41	195	44/44	50/50	46/46	199	45/45	44/44	50/50	47/47	200	48/48	60/60	51/51	204	51/51	204/204		
		117A	7.8/10.4	21.7/25.0	41/41	195/195	44/44	50/50	46/46	199/199	44/44	50/50	47/47	200/200	45/45	44/44	50/50	47/47	200/200	48/48	60/60	51/51	204/204	51/51	204/204	
		110A	12.0/16.0	33.4/38.5	45/51	195/195	60/60	60/60	49/55	199/199	62/62	60/60	62/62	199/199	62/62	60/60	70/70	51/56	200/200	66/66	70/70	70/70	55/61	204/204	55/61	204/204
		111A	18.6/24.8	51.7/59.7	82/82	195/195	90/90	90/90	70/79	199/199	87/87	90/90	88/88	199/199	88/88	90/90	90/90	72/81	203/203	94/94	100/100	100/100	76/85	204/204	76/85	204/204
		112A	24.0/32.0	66.7/77.0	104/104	195/195	110/110	110/110	89/99	199/199	108/108	110/110	110/110	199/199	110/110	110/110	110/110	89/101	203/203	114/114	125/125	125/125	93/105	204/204	93/105	204/204
		112A+117A	31.8/42.4	88.4/102.0	135/135	195/195	150/150	150/150	108/124	199/199	140/140	150/150	141/141	199/199	141/141	150/150	150/150	114/129	200/200	146/146	150/150	150/150	118/134	204/204	118/134	204/204
	MED	NONE	-	-	41/41	199	45/45	50/50	47/47	203	46/46	50/50	48/48	204	46/46	50/50	48/48	204	50/50	60/60	53/52	60/60	53/52	208	53/52	208
		117A	7.8/10.4	21.7/25.0	41/41	199/199	45/45	50/50	47/47	203/203	46/46	50/50	48/48	203/203	46/46	50/50	48/48	204/204	51/51	60/60	53/52	60/60	53/52	208/208	53/52	208/208
		110A	12.0/16.0	33.4/38.5	47/52	199/199	62/62	70/70	51/56	203/203	63/63	70/70	52/58	204/204	63/63	70/70	52/58	204/204	68/68	70/70	56/62	70/70	56/62	208/208	56/62	208/208
		111A	18.6/24.8	51.7/59.7	68/76	199/199	88/88	90/90	72/81	203/203	90/90	90/90	73/82	204/204	90/90	90/90	73/82	204/204	94/94	100/100	78/86	100/100	78/86	208/208	78/86	208/208
		112A	24.0/32.0	66.7/77.0	105/105	199/199	110/110	110/110	89/101	203/203	111/111	110/110	125/125	204/204	111/111	110/110	125/125	204/204	116/116	125/125	95/106	125/125	95/106	208/208	95/106	208/208
		112A+117A	31.8/42.4	88.4/102.0	136/136	199/199	141/141	150/150	114/129	203/203	142/142	150/150	142/142	203/203	142/142	150/150	150/150	115/131	204/204	147/147	150/150	150/150	120/135	208/208	120/135	208/208
460-3-60	STD	NONE	-	-	45/45	50/50	47/46	249	49/49	45/45	60/60	52/50	253	50/50	49/49	60/60	53/52	254	53/53	60/60	57/56	258	57/56	258		
		117A	7.8/10.4	21.7/25.0	45/45	249/249	49/49	49/49	253/253	50/50	50/50	52/50	253/253	50/50	49/49	60/60	53/52	254/254	55/55	60/60	57/56	258/258	57/56	258/258		
		110A	12.0/16.0	33.4/38.5	61/61	249/249	66/66	70/70	55/60	253/253	67/67	70/70	56/61	254/254	67/67	70/70	56/61	254/254	72/72	80/80	61/65	80/80	61/65	258/258	61/65	258/258
		111A	18.6/24.8	51.7/59.7	87/87	249/249	92/92	100/100	76/84	253/253	93/93	100/100	77/85	254/254	93/93	100/100	77/85	254/254	98/98	100/100	82/90	100/100	82/90	258/258	82/90	258/258
		112A	24.0/32.0	66.7/77.0	109/109	249/249	114/114	125/125	89/104	253/253	115/115	110/110	125/125	253/253	115/115	125/125	125/125	95/105	254/254	120/120	125/125	125/125	99/110	258/258	99/110	258/258
		112A+117A	31.8/42.4	88.4/102.0	140/140	249/249	145/145	150/150	118/133	253/253	146/146	150/150	146/146	253/253	146/146	150/150	150/150	120/134	254/254	151/151	175/175	175/175	124/138	258/258	124/138	258/258
	MED	NONE	-	-	19	97	20	25	21	99	21	25	22	102	21	25	25	22	102	23	25	24	104	24	104	
		116A	13.9	16.7	25	97	27	30	25	99	28	30	25	102	28	30	30	26	102	31	35	28	104	28	104	
		113A	16.5	19.8	29	97	31	35	28	99	32	35	29	102	32	35	35	29	102	34	35	31	104	35	104	
		114A	27.8	33.4	46	97	48	50	44	99	49	50	44	102	49	50	50	45	102	51	60	47	104	60	104	
		115A	33.0	39.7	54	97	56	60	51	99	56	60	52	102	57	60	60	52	102	59	70	54	104	70	104	
		114A+116A	41.7	50.2	67	97	69	70	61	97	69	70	64	102	70	70	70	64	102	72	80	66	104	80	104	
575-3-60	STD	NONE	-	-	14	79	18	19	83	16	20	16	81	16	20	20	16	81	19	25	21	85	21	85		
		118A	17.0	20.4	29	79	34	35	31	83	32	35	29	81	32	35	35	29	81	36	40	31	85	36	85	
		119A	34.0	40.9	55	79	60	60	55	83	57	60	52	81	57	60	60	52	81	62	70	57	85	70	85	
		NONE	-	-	15	83	18	20	19	87	16	20	17	85	16	20	20	17	85	20	25	21	89	21	89	
		118A	17.0	20.4	30	83	35	35	32	87	32	35	29	85	32	35	35	29	85	37	40	34	89	40	89	
		119A	34.0	40.9	56	83	61	70	55	87	58	70	55	87	58	70	60	53	85	63	70	57	89	70	89	
	HIGH	NONE	-	-	16	92	19	25	21	96	17	20	18	94	17	20	20	18	94	21	25	23	98	23	98	
		118A	17.0	20.4	32	92	36	40	33	96	34	35	31	94	34	35	35	31	94	38	40	35	98	35	98	
		119A	34.0	40.9	57	92	62	70	57	96	59	60	54	94	59	60	60	54	94	64	70	59	98	70	98	

See: "Legend and Notes for Tables 1 – 8" on page 26.

**Table 8 - 50HC 08-12 Unit Wire Sizing Data with Factory Installed HACR Breaker - 2-Speed Indoor Fan Motor (cont)**

UNIT	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.						NO P.E.						w/ PWRD C.O.				
		CRHEATER***A00	Nom (kW)	FLA	NO RE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)							
					MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	
208/230-3-60	STD	NONE	-	-	40/40	50/50	42/41	195	44/44	50/50	46/46	199	45/45	50/50	47/47	200	49/49	60/60	52/51	204	
		117A	7.8/10.4	21.7/25.0	40/40	50/50	42/41	195/195	44/44	50/50	46/46	199/199	45/45	50/50	47/47	200/200	49/49	60/60	52/51	204/204	
		110A	12.0/16.0	33.4/38.5	56/56	60/60	45/51	195/195	60/60	60/60	49/55	199/199	62/62	70/70	51/56	200/200	66/66	70/70	55/61	204/204	
		111A	18.8/24.8	51.7/59.7	82/82	90/90	66/75	195/195	87/87	90/90	70/79	199/199	88/88	90/90	72/81	200/200	93/93	100/100	76/85	204/204	
		112A	24.0/32.0	66.7/77.0	104/104	110/110	83/95	195/195	108/108	110/110	89/99	199/199	110/110	110/110	89/101	200/200	114/114	125/125	93/105	204/204	
		112A+117A	31.8/42.4	88.4/102.0	135/135	150/150	108/124	195/195	140/140	150/150	113/128	199/199	141/141	150/150	114/129	200/200	146/146	150/150	118/134	204/204	
	MED	NONE	-	-	41/41	50/50	43/43	199	45/45	50/50	47/47	203	46/46	50/50	49/48	204	50/50	53/53	60/60	53/53	208
		117A	7.8/10.4	21.7/25.0	41/41	50/50	43/43	199/199	45/45	50/50	47/47	203/203	46/46	50/50	49/48	204/204	51/51	60/60	53/53	208/208	
		110A	12.0/16.0	33.4/38.5	57/57	60/60	47/52	199/199	62/62	70/70	51/56	203/203	63/63	70/70	52/58	204/204	68/68	70/70	56/62	208/208	
		111A	18.8/24.8	51.7/59.7	84/84	90/90	68/76	199/199	88/88	90/90	72/81	203/203	90/90	90/90	73/82	204/204	94/94	100/100	78/86	208/208	
		112A	24.0/32.0	66.7/77.0	105/105	110/110	85/96	199/199	110/110	110/110	89/101	203/203	111/111	125/125	90/102	204/204	116/116	125/125	95/106	208/208	
		112A+117A	31.8/42.4	88.4/102.0	136/136	150/150	110/125	199/199	141/141	150/150	114/129	203/203	142/142	150/150	115/131	204/204	147/147	150/150	120/135	208/208	
460-3-60	STD	NONE	-	-	45/45	50/50	47/46	249	49/49	60/60	52/51	253	50/50	60/60	53/52	254	54/54	60/60	57/56	258	
		117A	7.8/10.4	21.7/25.0	45/45	50/50	47/46	249/249	49/49	60/60	52/51	253/253	50/50	60/60	53/52	254/254	55/55	60/60	57/56	258/258	
		110A	12.0/16.0	33.4/38.5	61/61	70/70	51/56	249/249	66/66	70/70	55/60	253/253	67/67	70/70	56/61	254/254	72/72	80/80	61/65	258/258	
		111A	18.8/24.8	51.7/59.7	87/87	90/90	72/80	249/249	92/92	100/100	76/84	253/253	93/93	100/100	77/85	254/254	98/98	100/100	82/90	258/258	
		112A	24.0/32.0	66.7/77.0	109/109	110/110	89/100	249/249	114/114	125/125	83/104	253/253	115/115	125/125	95/105	254/254	120/120	125/125	99/110	258/258	
		112A+117A	31.8/42.4	88.4/102.0	140/140	150/150	114/129	249/249	145/145	150/150	116/133	253/253	146/146	150/150	120/134	254/254	151/151	175/175	124/138	258/258	
	MED	NONE	-	-	19	25	19	97	27	30	25	99	21	25	22	99	23	25	24	24	
		116A	13.9	16.7	25	30	23	97	27	30	25	99	28	30	25	99	28	30	27	27	
		113A	16.5	19.8	29	30	26	97	31	35	28	99	32	35	29	99	34	35	31	31	
		114A	27.8	33.4	46	50	42	97	48	50	44	99	49	50	44	99	51	60	46	46	
		115A	33.0	39.7	54	60	49	97	56	60	51	99	56	60	52	99	59	60	54	54	
		114A+116A	41.7	50.2	67	70	61	97	69	70	63	99	70	70	64	99	72	80	66	66	
575-3-60	STD	NONE	-	-	19	25	19	100	21	25	102	23	25	22	102	23	25	25	25		
		116A	13.9	16.7	26	30	23	100	28	30	25	102	28	30	26	102	31	35	28	28	
		113A	16.5	19.8	29	30	27	100	32	35	29	102	32	35	29	102	34	35	31	31	
		114A	27.8	33.4	46	50	42	100	49	50	44	102	49	50	45	102	51	60	47	47	
		115A	33.0	39.7	54	60	50	100	57	60	52	102	57	60	52	102	59	60	54	54	
		114A+116A	41.7	50.2	67	70	62	100	70	70	64	102	70	70	64	102	72	80	66	66	
	MED	NONE	-	-	15	20	16	79	19	20	20	83	17	20	18	81	21	25	22	22	
		118A	17.0	20.4	29	30	27	79	34	35	31	83	32	35	29	81	36	40	33	33	
		119A	34.0	40.9	55	60	50	79	60	60	55	83	57	60	52	81	62	70	57	57	
		NONE	-	-	16	20	16	83	20	25	21	87	18	20	18	85	21	25	23	23	
		118A	17.0	20.4	30	30	27	83	35	35	32	87	32	35	29	85	37	40	34	34	
		119A	34.0	40.9	56	60	51	83	61	70	55	87	58	60	53	85	63	70	57	57	
HIGH	NONE	-	-	17	20	18	92	21	25	22	96	19	20	20	94	22	25	24	24		
	118A	17.0	20.4	32	35	29	92	36	40	33	96	34	35	31	94	38	40	35	35		
	119A	34.0	40.9	57	60	52	92	62	70	57	96	59	60	54	94	64	70	59	59		

See: "Legend and Notes for Tables 1 - 8" on page 26.

**Table 8 - 50HC 08-12 Unit Wire Sizing Data with Factory Installed HACR Breaker - 2-Speed Indoor Fan Motor - (cont)**

UNIT	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.						NO P.E.						w/ PWRD C.O.					
		CRHEATER**A00	Nom (kW)	FLA	NO RE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)								
					MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA						
50HC*P11 (2-stage cool)	STD	NONE	-	-	53/53	254	55/55	60/60	58/57	258	56/56	60/60	58/58	259	59/59	70/70	63/63	263				
		117A	7.8/10.4	21.7/25.0	53/53	254/254	55/55	60/60	58/57	258/258	56/56	60/60	58/58	259/259	59/59	70/70	63/63	263/263				
		110A	12.0/16.0	33.4/38.5	53/53	254/254	62/62	70/70	58/57	258/258	63/63	70/70	59/58	259/259	68/68	70/70	63/63	263/263				
		112A	24.0/32.0	66.7/77.0	89/101	258/258	111/111	110/110	89/101	258/258	111/111	125/125	150/150	116/116	125/125	150/150	120/135	263/263				
		112A+117A	31.8/42.4	88.4/102.0	110/125	254/254	141/141	150/150	114/129	258/258	142/142	150/150	150/150	147/147	150/150	150/150	138/156	263/263				
		112A+110A	37.6/50.0	104.2/120.3	128/146	254/254	144/144	150/150	132/154	258/258	146/146	150/150	150/150	146/146	150/150	150/150	150/150	150/150				
	MED	NONE	-	-	58/56	304	58/58	70/70	62/61	308	59/59	70/70	63/62	309	63/63	70/70	67/66	313				
		117A	7.8/10.4	21.7/25.0	58/56	304/304	58/58	70/70	62/61	308/308	59/59	70/70	63/62	309/309	63/63	70/70	67/66	313/313				
		110A	12.0/16.0	33.4/38.5	58/56	304/304	66/66	70/70	62/61	308/308	67/67	70/70	63/62	309/309	72/72	80/80	67/66	313/313				
		112A	24.0/32.0	66.7/77.0	89/100	304/304	114/114	125/125	93/104	308/308	115/115	125/125	95/105	309/309	120/120	125/125	99/110	313/313				
		112A+117A	31.8/42.4	88.4/102.0	114/129	304/304	145/145	150/150	118/133	308/308	146/146	150/150	120/134	309/309	151/151	175/175	124/138	313/313				
		112A+110A	37.6/50.0	104.2/120.3	132/150	304/304	149/149	150/150	137/154	308/308	150/150	150/150	138/155	309/309	155/155	175/175	142/160	313/313				
HIGH	NONE	-	-	61/60	315	61/61	70/70	65/64	319	62/62	70/70	66/65	320	66/66	80/80	71/70	324					
	117A	7.8/10.4	21.7/25.0	61/60	315/315	61/61	70/70	65/64	319/319	62/62	70/70	66/65	320/320	66/66	80/80	71/70	324/324					
	110A	12.0/16.0	33.4/38.5	61/60	315/315	69/69	70/70	65/64	319/319	70/70	75/75	66/65	320/320	73/73	80/80	71/70	324/324					
	112A	24.0/32.0	66.7/77.0	92/103	315/315	117/117	125/125	97/108	319/319	119/119	125/125	98/109	320/320	123/123	125/125	102/113	324/324					
	112A+117A	31.8/42.4	88.4/102.0	117/132	315/315	149/149	150/150	122/136	319/319	150/150	123/137	129/137	320/320	155/155	175/175	127/142	324/324					
	112A+110A	37.6/50.0	104.2/120.3	135/153	315/315	152/152	175/175	140/157	319/319	154/154	175/175	141/158	320/320	158/158	175/175	145/163	324/324					
460-3-60	STD	NONE	-	-	24	122	25	30	26	124	25	30	27	124	27	30	29	126				
		116A	13.9	16.7	24	122	28	30	26	124	28	30	28	149	30	35	29	126				
		113A	16.5	19.8	27	122	32	35	29	124	32	35	29	124	34	35	31	126				
		115A	33.0	39.7	50	122	57	60	52	124	57	60	52	124	59	60	54	126				
		114A+116A	41.7	50.2	62	122	70	70	64	124	70	70	64	124	72	80	66	126				
		115A+113A	50.0	60.1	73	122	67	70	70	124	70	70	68	124	70	80	78	126				
	MED	NONE	-	-	25	147	27	30	28	149	27	30	28	149	29	30	30	151				
		116A	13.9	16.7	26	147	30	30	28	149	30	30	28	149	32	35	30	151				
		113A	16.5	19.8	28	147	34	35	30	149	34	35	31	149	36	40	33	151				
		115A	33.0	39.7	51	147	58	60	53	149	59	60	54	149	61	70	56	151				
		114A+116A	41.7	50.2	63	147	72	80	65	149	72	80	66	149	74	80	68	151				
		115A+113A	50.0	60.1	75	147	69	80	77	149	69	80	77	149	72	80	79	151				
HIGH	NONE	-	-	26	152	28	30	30	154	28	30	30	154	30	35	32	156					
	116A	13.9	16.7	28	152	32	35	30	154	32	35	30	154	34	35	32	156					
	113A	16.5	19.8	30	152	35	35	32	154	36	40	35	154	38	40	35	156					
	115A	33.0	39.7	53	152	60	60	55	154	61	70	56	154	63	70	58	156					
	114A+116A	41.7	50.2	65	152	73	80	67	154	74	80	68	154	76	80	70	156					
	115A+113A	50.0	60.1	76	152	71	80	79	154	71	80	79	154	74	80	81	156					
575-3-60	STD	NONE	-	-	20	97	25	25	24	101	21	25	22	99	25	30	26	103				
		118A	17.0	20.4	20	97	30	30	27	101	32	35	29	99	37	40	34	103				
		119A	34.0	40.9	51	97	61	70	55	101	58	60	53	99	63	70	57	103				
		118A+119A	51.0	61.3	75	97	71	80	70	101	68	80	76	99	73	80	81	103				
		NONE	-	-	21	106	24	25	25	110	22	25	23	108	26	30	27	112				
		118A	17.0	20.4	29	106	36	40	33	110	34	35	31	108	38	40	35	112				
575-3-60	MED	119A	34.0	40.9	52	106	62	70	57	110	59	60	54	108	64	70	59	112				
		118A+119A	51.0	61.3	76	106	72	80	80	110	70	80	78	108	74	80	82	112				
		NONE	-	-	23	120	26	26	27	124	24	25	25	122	28	30	29	126				
		118A	17.0	20.4	31	120	38	40	35	124	36	40	33	122	41	45	37	126				
		119A	34.0	40.9	54	120	64	70	59	124	61	70	56	122	66	70	60	126				
		118A+119A	51.0	61.3	78	120	74	80	80	124	72	80	80	122	76	80	84	126				

See: "Legend and Notes for Tables 1 - 8" on page 26.



**Table 8 - 50HC 08-12 Unit Wire Sizing Data with Factory Installed HACR Breaker - 2-Speed Indoor Fan Motor (cont)**

UNIT	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.						NO P.E.						w/ PWRD C.O.								
		CRHEATER**A00	Nom (kW)	FLA	NO RE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)					
					MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA	MCA	HACR BRKR	DISC. SIZE FLA LRA			
208/230-3-60	STD	NONE	-	-	50/50	60/60	52/52	279	283	53/53	60/60	60/60	56/56	283	54/54	60/60	60/60	57/57	284	58/58	70/70	70/70	62/61	288	
		117A	7.8/10.4	21.7/25.0	50/50	60/60	52/52	279/279	283/283	53/53	60/60	60/60	56/56	283/283	54/54	60/60	60/60	57/57	284/284	58/58	70/70	70/70	62/61	288/288	
		110A	12.0/16.0	33.4/38.5	57/57	60/60	52/52	279/279	283/283	62/62	70/70	70/70	56/56	283/283	63/63	70/70	70/70	57/58	284/284	68/68	70/70	70/70	62/62	288/288	
		112A	24.0/32.0	66.7/77.0	105/105	110/110	89/101	279/279	283/283	111/111	110/110	110/110	89/101	283/283	111/111	125/125	125/125	125/125	90/102	116/116	125/125	125/125	125/125	95/106	288/288
		112A+117A	31.8/42.4	88.4/102.0	138/138	150/150	114/129	279/279	283/283	142/142	150/150	150/150	114/129	283/283	142/142	150/150	150/150	150/150	114/129	284/284	147/147	150/150	150/150	120/135	288/288
		112A+110A	37.6/50.0	104.2/120.3	140/140	150/150	128/146	279/279	283/283	144/144	144/144	150/150	150/150	132/151	283/283	146/146	150/150	150/150	132/151	284/284	150/150	150/150	150/150	138/156	288/288
	MED	NONE	-	-	53/53	60/60	56/55	329	333	57/57	70/70	70/70	60/59	333	58/58	70/70	70/70	62/60	334	62/62	70/70	70/70	66/65	338	
		117A	7.8/10.4	21.7/25.0	53/53	60/60	56/55	329/329	333/333	57/57	70/70	70/70	60/59	333/333	58/58	70/70	70/70	62/60	334/334	62/62	70/70	70/70	66/65	338/338	
		110A	12.0/16.0	33.4/38.5	61/61	70/70	56/56	329/329	333/333	66/66	70/70	70/70	60/60	333/333	67/67	70/70	70/70	62/61	334/334	72/72	80/80	80/80	66/65	338/338	
		112A	24.0/32.0	66.7/77.0	109/109	110/110	89/100	329/329	333/333	114/114	125/125	125/125	89/100	333/333	115/115	125/125	125/125	120/120	334/334	120/120	125/125	125/125	99/110	338/338	
		112A+117A	31.8/42.4	88.4/102.0	140/140	150/150	114/129	329/329	333/333	145/145	150/150	150/150	118/133	333/333	146/146	150/150	150/150	120/134	334/334	151/151	175/175	175/175	124/138	338/338	
		112A+110A	37.6/50.0	104.2/120.3	144/144	150/150	132/150	329/329	333/333	149/149	150/150	150/150	137/154	333/333	150/150	150/150	150/150	138/155	334/334	155/155	175/175	175/175	142/160	338/338	
460-3-60	HIGH	NONE	-	-	56/56	60/60	59/58	340	344	60/60	70/70	64/63	344	61/61	65/65	70/70	70/70	65/64	345	65/65	80/80	80/80	69/68	349	
		117A	7.8/10.4	21.7/25.0	56/56	60/60	59/58	340/340	344/344	60/60	70/70	64/63	344/344	61/61	65/64	70/70	70/70	65/64	345/345	65/65	80/80	80/80	69/68	349/349	
		110A	12.0/16.0	33.4/38.5	64/64	70/70	59/59	340/340	344/344	69/69	70/70	64/63	344/344	70/70	65/64	70/70	70/70	65/64	345/345	75/75	80/80	80/80	69/69	349/349	
		112A	24.0/32.0	66.7/77.0	113/113	125/125	92/103	340/340	344/344	117/117	125/125	125/125	97/108	344/344	119/119	125/125	125/125	125/125	98/109	123/123	123/123	125/125	102/113	349/349	
		112A+117A	31.8/42.4	88.4/102.0	144/144	150/150	117/132	340/340	344/344	149/149	150/150	150/150	122/136	344/344	150/150	150/150	150/150	123/137	345/345	155/155	175/175	175/175	127/142	349/349	
		112A+110A	37.6/50.0	104.2/120.3	148/148	150/150	135/153	340/340	344/344	152/152	175/175	175/175	140/157	344/344	154/154	150/150	150/150	141/158	345/345	158/158	175/175	175/175	145/163	349/349	
	STD	NONE	-	-	24	30	25	134	136	26	30	27	136	26	30	27	136	28	28	136	28	30	30	138	
		116A	13.9	16.7	26	30	25	134	136	28	30	27	136	28	30	27	136	28	28	136	31	35	30	138	
		113A	16.5	19.8	29	30	27	134	136	32	35	29	136	32	35	29	136	32	29	136	34	35	31	138	
		115A	33.0	39.7	54	60	50	134	136	57	60	52	136	57	60	52	136	57	52	136	59	60	54	138	
		114A+116A	41.7	50.2	67	70	62	134	136	70	70	64	136	64	70	64	136	64	64	136	72	80	66	138	
		115A+113A	50.0	60.1	65	70	73	134	136	67	70	75	136	68	70	75	136	68	76	136	74	80	78	138	
MED	NONE	-	-	26	30	27	159	161	28	30	29	161	28	30	29	161	28	29	161	30	35	32	163		
	116A	13.9	16.7	27	30	28	159	161	30	30	29	161	30	30	29	161	30	29	161	32	35	30	163		
	113A	16.5	19.8	31	35	28	159	161	34	35	30	161	34	35	30	161	34	31	161	36	40	33	163		
	115A	33.0	39.7	56	60	51	159	161	58	60	53	161	59	60	54	161	59	54	161	61	70	56	163		
	114A+116A	41.7	50.2	69	70	63	159	161	72	80	65	161	72	80	66	161	72	66	161	74	80	68	163		
	115A+113A	50.0	60.1	67	80	75	159	161	69	80	77	161	69	80	77	161	69	77	161	72	80	79	163		
HIGH	NONE	-	-	19	25	20	107	111	23	25	24	111	21	25	24	111	21	22	109	25	30	26	113		
	116A	13.9	16.7	29	30	29	164	166	29	35	31	166	29	35	31	166	29	31	166	34	35	33	168		
	113A	16.5	19.8	33	35	30	164	166	35	35	32	166	35	35	32	166	35	32	166	38	40	35	168		
	115A	33.0	39.7	58	60	53	164	166	60	60	55	166	61	70	56	166	61	56	166	63	70	58	168		
	114A+116A	41.7	50.2	71	80	65	164	166	73	80	67	166	74	80	68	166	74	68	166	76	80	70	168		
	115A+113A	50.0	60.1	69	80	76	164	166	71	80	79	166	71	80	79	166	71	79	166	74	80	81	168		
STD	NONE	-	-	30	35	27	107	111	25	25	24	111	21	25	24	111	21	22	109	25	30	26	113		
	118A	17.0	20.4	30	30	27	107	111	35	35	32	111	32	35	32	111	32	29	109	37	40	34	113		
	119A	34.0	40.9	56	60	51	107	111	61	70	55	111	58	60	53	109	63	53	109	63	70	57	113		
	118A+119A	51.0	61.3	66	70	75	107	111	71	80	79	111	68	80	76	109	73	76	109	73	80	81	113		
	NONE	-	-	22	25	21	116	120	24	25	24	120	22	25	24	120	22	23	118	26	30	27	122		
	118A	17.0	20.4	32	35	29	116	120	36	40	33	120	34	35	32	118	34	31	118	38	40	35	122		
MED	NONE	-	-	22	25	23	130	134	26	30	27	134	24	25	24	134	24	25	132	28	30	29	136		
	118A	17.0	20.4	34	35	31	130	134	38	40	35	134	36	40	35	134	36	33	132	41	45	37	136		
	119A	34.0	40.9	59	60	54	130	134	64	70	59	134	61	70	56	132	66	56	132	66	70	60	136		
	118A+119A	51.0	61.3	67	80	78	130	134	74	80	82	134	72	80	78	132	76	78	132	76	80	84	136		
	NONE	-	-	22	25	23	130	134	26	30	27	134	24	25	24	134	24	25	132	28	30	29	136		
	118A	17.0	20.4	34	35	31	130	134	38	40	35	134	36	40	35	134	36	33	132	41	45	37	136		

See: "Legend and Notes for Tables 1 - 8" on page 26.

## 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
MOCP	-	MAX FUSE or HACR Breaker
PE	-	Power exhaust
PWRD CO	-	Powered convenient outlet
UNPWR CO	-	Unpowered convenient outlet

### NOTES:

1. 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.



