

**50HC 15 to 25 Nominal Tons  
Single Package Rooftop  
Cooling Only  
with Puron® (R-410A) Refrigerant  
Sizes: 17-28**



# Electrical Data Supplement

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

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

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

## SERIAL NUMBER NOMENCLATURE

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

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

C12562

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

## MODEL NUMBER NOMENCLATURE

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


<p><b>Cooling Tons</b> 17 - 15 ton 20 - 17.5 ton 24 - 20 ton 28 - 25 ton</p>	<p><b>Electrical Options</b> A = None B = HACR Breaker C = Non-Fused Disconnect (NFD) G = 2-Speed Indoor Fan (VFD) Controller H = 2-Speed Indoor Fan (VFD) Controller and HACR J = 2-Speed Fan Controller (VFD) and Non-Fused Disconnect (NFD)</p>
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## SAFETY CONSIDERATIONS

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

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

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

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

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

### CAUTION

#### ELECTRICAL HAZARD

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

The electrical data contained in this document is only for use with 50HC size 17 to 28 units manufactured on or after July 30, 2012. Check the first 4 digits of the unit's Serial Number (located on the unit's nameplate) if the number listed is 3112 or higher keep this document.

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

### WARNING

#### ELECTRICAL SHOCK HAZARD

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

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

Nameplate Location

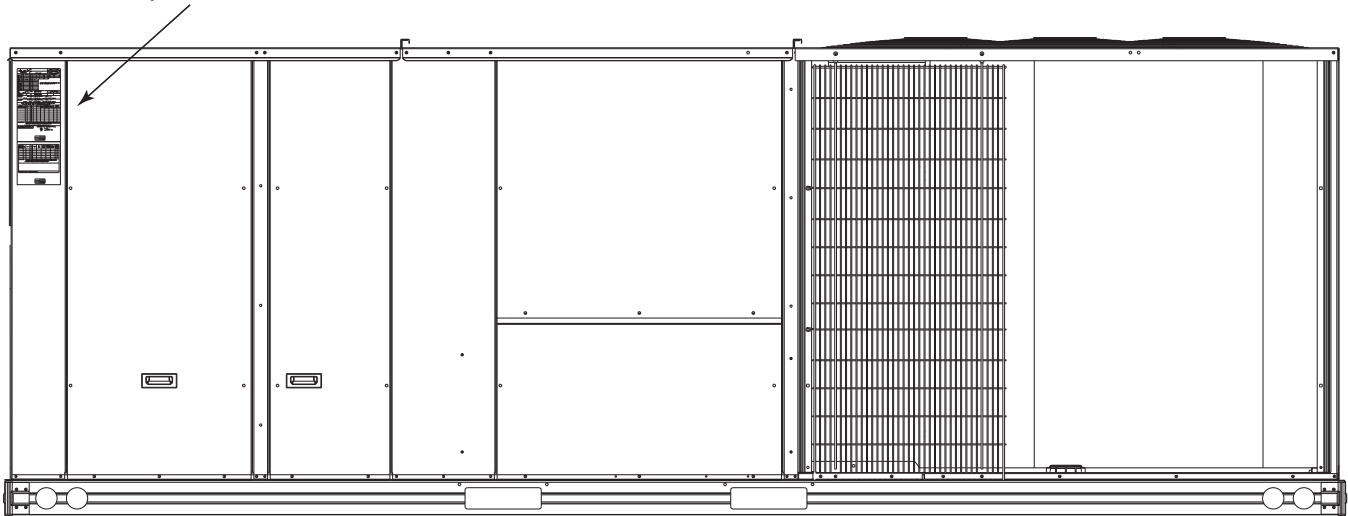


Fig. 1 - Location of Unit Nameplate

C101297

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

UNIT	NO M, V-PH-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.				w/ PWRD C.O.									
		CRHEATER**A00	Nom (KW)	FLA	MCA	NO P.E.		w/ P.E. (pwrdr fr/unit)		NO P.E.		w/ P.E. (pwrdr fr/unit)							
						FUSE or BRKR	DISC. SIZE	FUSE or BRKR	DISC. SIZE	FUSE or BRKR	DISC. SIZE	FUSE or BRKR	DISC. SIZE						
					FLA	LRA	MCA	FUSE or BRKR	DISC. SIZE	FLA	LRA	MCA	FUSE or BRKR	DISC. SIZE	FLA	LRA	MCA	FUSE or BRKR	DISC. SIZE
STD		NONE	-	-	69.2/69.1	72/72	409	81.0/80.9	100/100	86/86	429	74.0/73.9	90/90	78/78	414	85.8/85.7	100/100	91/91	434
		279A00	18.8/25.0	52.1/60.1	75.6/85.5	72/79	409/409	90.4/100.3	100/110	86/92	429/429	81.6/91.5	90/100	78/84	414/414	96.4/106.3	100/110	91/98	434/434
		280A00	37.6/50.0	104.2/120.3	140.8/130.7	129/148	409/409	155.5/145.4	175/175	143/161	429/429	146.8/136.7	150/150	135/153	414/414	161.5/151.4	175/175	149/167	434/434
		281A00	56.3/75.0	156.4/180.4	166.9/190.8	190/217	409/409	181.7/205.5	200/225	203/231	429/429	172.9/196.8	200/225	195/223	414/414	187.2/211.5	200/225	209/236	434/434
MED	208/230-3-60	NONE	-	-	71.4	75	423	83.2	100	88	443	76.2	100	80	428	88.0	100	94	448
		279A00	18.8/25.0	52.1/60.1	78.4/88.4	75/81	423/423	93.1/103.1	100/110	88/95	443/443	84.4/94.4	100/100	80/87	428/428	99.1/109.1	100/110	94/100	448/448
		280A00	37.6/50.0	104.2/120.3	143.5/133.6	132/151	423/423	158.3/148.3	175/175	148/164	443/443	149.5/139.6	150/150	138/156	428/428	164.3/154.3	175/175	151/170	448/448
		281A00	56.3/75.0	156.4/180.4	169.7/193.7	192/220	423/423	184.4/208.4	200/225	206/233	443/443	175.7/199.7	200/225	198/225	428/428	190.4/214.4	200/225	211/239	448/448
HIGH		NONE	-	-	74.4/73.5	78/77	425	86.2/85.3	100/100	92/91	445	79.2/78.3	100/100	84/83	430	91.0/90.1	100/100	97/96	450
		279A00	18.8/25.0	52.1/60.1	82.1/91.0	78/84	425/425	96.9/105.8	100/110	92/97	445/445	88.1/97.0	100/100	84/89	430/430	102.9/111.8	110/125	97/103	450/450
		280A00	37.6/50.0	104.2/120.3	147.3/136.2	135/153	425/425	162.0/150.9	175/175	149/167	445/445	153.3/142.2	175/175	141/158	430/430	168.0/156.9	175/175	155/172	450/450
		281A00	56.3/75.0	156.4/180.4	173.4/196.3	196/222	425/425	188.2/211.0	200/225	209/236	445/445	179.4/202.3	200/225	201/228	430/430	194.2/217.0	200/250	215/241	450/450
STD	460-3-60	NONE	-	-	35.7	37	242	41.9	50	45	254	37.9	50	40	244	44.1	50	47	256
		282A00	25.0	30.1	42.9	39	242	50.6	60	47	254	45.6	60	42	244	53.4	60	49	256
		283A00	50.0	60.1	65.4	74	242	73.1	80	81	254	68.1	80	76	244	75.9	80	84	256
		284A00	75.0	90.2	95.5	109	242	103.2	110	116	254	98.2	110	111	244	106.0	110	118	256
MED	460-3-60	NONE	-	-	36.8	39	249	43.0	50	46	261	39.0	50	41	251	45.2	50	48	263
		282A00	25.0	30.1	44.3	41	249	52.0	60	48	261	47.0	60	43	251	54.8	60	50	263
		283A00	50.0	60.1	66.7	75	249	74.5	80	82	261	69.5	80	78	251	77.2	80	85	263
		284A00	75.0	90.2	96.8	110	249	104.6	110	117	261	99.6	110	112	251	107.3	125	119	263
HIGH		NONE	-	-	37.9	40	250	44.1	50	47	262	40.1	50	42	252	46.3	50	50	264
		282A00	25.0	30.1	45.6	42	250	53.4	60	49	262	48.4	60	45	252	56.1	60	52	264
		283A00	50.0	60.1	68.1	76	250	75.9	80	84	262	70.9	80	79	252	78.6	80	86	264
		284A00	75.0	90.2	98.2	111	250	106.0	125	118	262	101.0	110	114	252	108.7	125	121	264
STD	575-3-60	NONE	-	-	26.2	27	184	31.0	40	33	192	27.9	40	29	186	32.7	40	35	194
		285A00	24.8	23.9	33.4	31	184	39.4	40	36	192	35.5	40	33	186	41.5	45	38	194
		286A00	49.6	47.7	63.1	58	184	69.1	70	64	192	65.3	70	60	186	71.3	80	66	194
		287A00	74.4	71.6	75.1	86	184	81.1	90	91	192	77.2	80	88	186	83.2	90	93	194
MED	575-3-60	NONE	-	-	26.2	27	184	31.0	40	33	192	27.9	40	29	186	32.7	40	35	194
		285A00	24.8	23.9	33.4	31	184	39.4	40	36	192	35.5	40	33	186	41.5	45	38	194
		286A00	49.6	47.7	63.1	58	184	69.1	70	64	192	65.3	70	60	186	71.3	80	66	194
		287A00	74.4	71.6	75.1	86	184	81.1	90	91	192	77.2	80	88	186	83.2	90	93	194
HIGH		NONE	-	-	29.0	31	198	33.8	40	36	206	30.7	40	33	200	35.5	45	38	208
		285A00	24.8	23.9	36.9	34	198	42.9	45	39	206	39.0	40	36	200	45.0	50	41	208
		286A00	49.6	47.7	66.6	61	198	72.6	80	67	206	68.8	70	63	200	74.8	80	69	208
		287A00	74.4	71.6	78.6	89	198	84.6	90	94	206	80.7	90	91	200	86.7	90	96	208

See: "Legend and Notes for Tables 1 - 4" on page 19.

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

UNIT	NO M, V-PH-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.						w/ PWRD C.O.							
			CRHEATER***A00	Nom (kW)	FLA	NO PE.		w/ P.E. (pwrd fr/unit)		NO PE.		w/ P.E. (pwrd fr/unit)		NO PE.		w/ P.E. (pwrd fr/unit)			
						MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR
STD			NONE	-	-	80	453	87.9	100	93	473	80.9	100	85	458	92.7	100	99	478
			279A00	18.8/25.0	52.1/60.1	80/81	453/453	93.1/103.1	100/110	93/95	473/473	84.4/94.4	100/110	85/87	458/458	99.1/109.1	100/110	99/100	478/478
			280A00	37.6/50.0	104.2/120.3	132/151	453/453	158.3/148.3	175/175	146/164	473/473	149.5/139.6	150/150	138/156	458/458	164.3/154.3	175/175	151/170	478/478
			281A00	56.3/75.0	156.4/180.4	192/220	453/453	184.4/208.4	200/225	206/233	473/473	175.7/199.7	200/225	198/225	458/458	190.4/214.4	200/225	211/239	478/478
MED			NONE	-	-	83/82	455	90.9/90.0	100/100	97/96	475	83.9/83.0	100/100	89/88	460	95.7/94.8	110/110	102/101	480
			279A00	18.8/25.0	52.1/60.1	83/84	455/455	96.9/105.8	100/110	97/97	475/475	88.1/97.0	100/100	89/89	460/460	102.9/111.8	110/125	102/103	480/480
			280A00	37.6/50.0	104.2/120.3	135/153	455/455	162.0/150.9	175/175	149/167	475/475	153.3/142.2	175/175	141/158	460/460	168.0/156.9	175/175	155/172	480/480
			281A00	56.3/75.0	156.4/180.4	196/222	455/455	188.2/211.0	200/225	209/236	475/475	179.4/202.3	200/225	201/228	460/460	194.2/217.0	200/250	215/241	480/480
HIGH			NONE	-	-	87	451	94.4	110	101	471	87.4	100	93	456	99.2	125	106	476
			279A00	18.8/25.0	52.1/60.1	87/89	451/451	101.3/111.3	110/125	101/102	471/471	92.5/102.5	100/110	89/94	456/456	107.3/117.3	125/125	106/108	476/476
			280A00	37.6/50.0	104.2/120.3	139/158	451/451	166.4/156.4	175/175	153/172	471/471	157.6/147.7	175/175	145/164	456/456	172.4/162.4	175/175	159/177	476/476
			281A00	56.3/75.0	156.4/180.4	200/227	451/451	192.5/216.5	200/250	213/241	471/471	183.8/207.8	200/225	205/233	456/456	198.5/222.5	200/250	219/246	476/476
STD			NONE	-	-	39	251	43.3	50	46	263	39.3	50	42	253	45.5	50	49	265
			282A00	25.0	30.1	41	251	52.0	60	48	263	47.0	50	43	253	54.8	60	50	265
			283A00	50.0	60.1	75	251	74.5	80	82	263	69.5	80	78	253	77.2	80	85	265
			284A00	75.0	90.2	110	251	104.6	110	117	263	99.6	110	112	253	107.3	125	119	265
MED			NONE	-	-	40	252	44.4	50	47	264	40.4	50	43	254	46.6	50	50	266
			282A00	25.0	30.1	42	252	53.4	60	49	264	48.4	50	45	254	56.1	60	52	266
			283A00	50.0	60.1	76	252	75.9	80	84	264	70.9	80	79	254	78.6	80	86	266
			284A00	75.0	90.2	111	252	106.0	125	118	264	101.0	110	114	254	108.7	125	121	266
HIGH			NONE	-	-	43	250	46.6	50	50	262	42.6	50	45	252	48.8	60	52	264
			282A00	25.0	30.1	45	250	56.1	60	52	262	51.1	60	47	252	58.9	60	54	264
			283A00	50.0	60.1	79	250	78.6	80	86	262	73.6	80	82	252	81.4	90	89	264
			284A00	75.0	90.2	114	250	108.7	125	121	262	103.7	125	116	252	111.5	125	123	264
STD			NONE	-	-	27	186	31.0	40	33	194	27.9	35	29	188	32.7	40	35	196
			285A00	24.8	23.9	31	186	39.4	40	36	194	35.5	40	33	188	41.5	45	38	196
			286A00	49.6	47.7	58	186	69.1	70	64	194	65.3	70	60	188	71.3	80	66	196
			287A00	74.4	71.6	86	186	81.1	90	91	194	77.2	80	88	188	83.2	90	93	196
MED			NONE	-	-	31	200	33.8	40	36	208	30.7	40	33	202	35.5	45	38	210
			285A00	24.8	23.9	34	200	42.9	45	39	208	39.0	40	36	202	45.0	50	41	210
			286A00	49.6	47.7	61	200	72.6	80	67	208	68.8	70	63	202	74.8	80	69	210
			287A00	74.4	71.6	89	200	84.6	90	94	208	80.7	90	91	202	86.7	90	96	210
HIGH			NONE	-	-	33	198	35.8	45	38	206	32.7	40	35	200	37.5	45	40	208
			285A00	24.8	23.9	36	198	45.4	50	42	206	41.5	45	38	200	47.5	50	44	208
			286A00	49.6	47.7	64	198	75.1	80	69	206	71.3	80	66	200	77.3	80	71	208
			287A00	74.4	71.6	91	198	87.1	90	97	206	83.2	90	93	200	89.2	90	99	208

See: "Legend and Notes for Tables 1 - 4" on page 19.

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

UNIT	NO M, V-PH-HZ	ELEC. HTR		NO C.O. or UNPWR C.O.										W/ PWRD C.O.										
		CRHEATER**A00	Nom (KW)	FLA	NO PE.					w/ P.E. (pwrdr fr/unit)					NO PE.					w/ P.E. (pwrdr fr/unit)				
					MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	FUSE or BRKR	FLA	DISC. SIZE	LRA	MCA	FUSE or BRKR	FLA	DISC. SIZE	LRA	MCA	FUSE or BRKR	FLA	DISC. SIZE	LRA
STD	208/230-3-60	NONE	-	-	87.3/86.4	100/100	92/91	550	570	570	105/104	125/125	105/104	92.1/91.2	100/100	97/96	555	555	555	103.9/103.0	125/125	111/110	575	
		279A00	18.8/25.0	52.1/60.1	87.3/91.0	100/100	92/91	550/550	570/570	570/570	105/104	125/125	105/104	92.1/97.0	100/100	97/96	555/555	555/555	555/555	103.9/111.8	125/125	111/110	575/575	
		280A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	550/550	570/570	570/570	149/167	175/175	175/175	153.3/142.2	175/175	141/158	555/555	555/555	555/555	168.0/156.9	175/175	155/172	575/575	
		281A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	550/550	570/570	570/570	209/236	200/225	200/225	179.4/202.3	200/225	201/228	555/555	555/555	555/555	194.2/217.0	200/250	215/241	575/575	
MED	208/230-3-60	NONE	-	-	90.8	100	96	546	566	566	109	125	109	546	125	101	551	551	551	107.4	125	115	571	
		279A00	18.8/25.0	52.1/60.1	90.8/96.5	100/100	96/96	546/546	566/566	566/566	109/109	125/125	109/109	95.6/102.5	125/125	101/101	551/551	551/551	551/551	107.4/117.3	125/125	115/115	571/571	
		280A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	546/546	566/566	566/566	153/172	175/175	175/175	157.6/147.7	175/175	145/164	551/551	551/551	551/551	172.4/162.4	175/175	159/177	571/571	
		281A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	546/546	566/566	566/566	213/241	200/250	200/250	183.8/207.8	200/225	205/233	551/551	551/551	551/551	198.5/222.5	200/250	219/246	571/571	
HIGH	208/230-3-60	NONE	-	-	102.2	125	109	625	645	645	122	125	122	625	125	114	630	630	630	118.8	150	128	650	
		279A00	18.8/25.0	52.1/60.1	102.2/110.8	125/125	109/109	625/625	645/645	645/645	122/122	125/150	125/150	107.0/116.8	125/125	114/114	630/630	630/630	630/630	121.5/131.5	150/150	128/128	650/650	
		280A00	37.6/50.0	104.2/120.3	165.9/155.9	175/175	153/171	625/625	645/645	645/645	166/185	200/175	200/175	171.9/161.9	175/175	158/177	630/630	630/630	630/630	186.6/176.7	200/200	172/190	650/650	
		281A00	56.3/75.0	156.4/180.4	192.0/216.0	200/250	213/240	625/625	645/645	645/645	226/254	225/250	225/250	198.0/222.0	225/250	218/246	630/630	630/630	630/630	212.8/236.8	225/250	232/259	650/650	
STD	460-3-60	NONE	-	-	47.6	60	50	280	292	292	57	60	57	280	60	52	282	282	282	56.0	70	60	294	
		282A00	25.0	30.1	47.6	60	50	280	292	292	57	60	57	53.8	60	52	282	282	282	56.1	70	60	294	
		283A00	50.0	60.1	68.1	80	76	280	292	292	84	80	84	70.9	80	79	282	282	282	78.6	80	86	294	
		284A00	75.0	90.2	98.2	100	111	280	292	292	118	125	118	106.0	125	114	282	282	282	108.7	125	121	294	
MED	460-3-60	NONE	-	-	49.8	60	52	278	290	290	60	70	60	56.0	70	55	280	280	280	58.2	70	62	292	
		282A00	25.0	30.1	49.8	60	52	278	290	290	60	70	60	56.1	70	55	280	280	280	58.9	70	62	292	
		283A00	50.0	60.1	70.9	80	79	278	290	290	86	80	86	78.6	80	82	280	280	280	81.4	90	89	292	
		284A00	75.0	90.2	101.0	110	114	278	290	290	121	125	121	108.7	125	116	280	280	280	111.5	125	123	292	
HIGH	460-3-60	NONE	-	-	55.5	60	59	318	330	330	66	70	66	61.7	70	62	320	320	320	63.9	80	69	332	
		282A00	25.0	30.1	55.5	60	59	318	330	330	66	70	66	63.3	70	62	320	320	320	66.0	80	69	332	
		283A00	50.0	60.1	78.0	90	86	318	330	330	93	90	93	85.7	90	88	320	320	320	88.5	100	95	332	
		284A00	75.0	90.2	108.1	125	120	318	330	330	127	125	127	115.8	125	123	320	320	320	118.6	125	130	332	
STD	575-3-60	NONE	-	-	35.5	45	37	204	212	212	43	50	43	40.3	50	39	206	206	206	42.0	50	45	214	
		285A00	24.8	23.9	36.9	45	37	204	212	212	43	50	43	42.9	50	39	206	206	206	45.0	50	45	214	
		286A00	49.6	47.7	66.6	70	61	204	212	212	67	80	67	72.6	80	66	206	206	206	74.8	80	69	214	
		287A00	74.4	71.6	78.6	90	89	204	212	212	94	90	94	84.6	90	93	206	206	206	86.7	90	96	214	
MED	575-3-60	NONE	-	-	37.5	45	40	202	210	210	45	50	45	42.3	50	42	204	204	204	44.0	50	47	212	
		285A00	24.8	23.9	39.4	45	40	202	210	210	45	50	45	45.4	50	42	204	204	204	47.5	50	47	212	
		286A00	49.6	47.7	69.1	70	64	202	210	210	69	80	69	75.1	80	66	204	204	204	77.3	80	71	212	
		287A00	74.4	71.6	81.1	90	91	202	210	210	97	90	97	87.1	90	93	204	204	204	89.2	90	99	212	
HIGH	575-3-60	NONE	-	-	39.4	50	42	229	237	237	47	50	47	44.2	50	44	231	231	231	45.9	50	49	239	
		285A00	24.8	23.9	41.8	50	42	229	237	237	47	50	47	47.8	50	44	231	231	231	49.9	50	49	239	
		286A00	49.6	47.7	71.5	80	66	229	237	237	71	80	71	73.6	80	68	231	231	231	79.6	80	73	239	
		287A00	74.4	71.6	83.5	90	93	229	237	237	99	100	99	89.5	90	95	231	231	231	91.6	100	101	239	

See: "Legend and Notes for Tables 1 - 4" on page 19.

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

UNIT	NO M, V-PH-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.												w/ PWRD C.O.											
			CRHEATER**A00	Nom (kW)	FLA	NO PE.				w/ P.E. (pwrd fr/unit)				NO PE.				w/ P.E. (pwrd fr/unit)											
						MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE								
50HC**28	460-3-60	HIGH	NONE	-	-	130.9	175	137	665	142.7	175	150	685	135.7	175	142	670	147.5	175	156	156	175	136.1	175	143	611			
			279A00	18.8/25.0	52.1/60.1	130.9/130.9	175/175	137/137	665/665	142.7/142.7	175/175	150/150	685/685	135.7/135.7	175/175	142/142	670/670	147.5/147.5	175/175	156/156	156	175	136.1/136.1	175/175	143/143	611/611			
			280A00	37.6/50.0	104.2/120.3	165.9/155.9	175/175	153/171	665/665	180.6/170.7	200/175	166/185	685/685	171.9/161.9	175/175	158/177	670/670	186.6/176.7	200/200	172/190	172	190	162.4/162.4	175/175	159/177	611/611			
			281A00	56.3/75.0	156.4/180.4	192.0/216.0	200/250	213/240	665/665	206.8/230.8	225/250	226/254	685/685	198.0/222.0	225/250	218/248	670/670	212.8/236.8	225/250	232/259	232	259	222.5/222.5	200/250	219/246	611/611			
			NONE	-	-	53.0	60	56	306	59.2	70	63	318	55.2	60	58	308	61.4	70	65	65	320	61.4	70	65	320			
			282A00	25.0	30.1	53.0	60	56	306	59.2	70	63	318	55.2	60	58	308	61.4	70	65	65	320	61.4	70	65	320			
			283A00	50.0	60.1	68.1	80	76	306	75.9	80	84	318	70.9	80	79	308	78.6	80	86	86	320	78.6	80	86	320			
			284A00	75.0	90.2	98.2	100	111	306	106.0	125	118	318	101.0	110	114	308	108.7	125	123	123	320	108.7	125	123	320			
			NONE	-	-	55.2	60	58	304	61.4	70	65	316	57.4	70	61	306	63.6	80	68	68	318	63.6	80	68	318			
			282A00	25.0	30.1	55.2	60	58	304	61.4	70	65	316	57.4	70	61	306	63.6	80	68	68	318	63.6	80	68	318			
283A00	50.0	60.1	70.9	80	79	304	78.6	80	86	316	73.6	80	82	306	81.4	90	89	89	318	81.4	90	89	318						
284A00	75.0	90.2	101.0	110	114	304	108.7	125	121	316	103.7	125	116	306	111.5	125	123	123	318	111.5	125	123	318						
575-3-60	575-3-60	HIGH	NONE	-	-	60.9	70	65	344	67.1	80	72	356	63.1	80	67	346	69.3	80	74	74	358	69.3	80	74	358			
			282A00	25.0	30.1	60.9	70	65	344	67.1	80	72	356	63.1	80	67	346	69.3	80	74	74	358	69.3	80	74	358			
			283A00	50.0	60.1	78.0	90	86	344	85.7	90	93	356	80.7	90	88	346	88.5	100	95	95	358	88.5	100	95	358			
			284A00	75.0	90.2	106.1	125	120	344	115.8	125	127	356	110.8	125	123	346	118.6	125	130	130	358	118.6	125	130	358			
			NONE	-	-	40.4	50	42	228	45.2	50	48	236	42.1	50	44	230	46.9	60	50	50	238	46.9	60	50	238			
			285A00	24.8	23.9	40.4	50	42	228	45.2	50	48	236	42.1	50	44	230	46.9	60	50	50	238	46.9	60	50	238			
			286A00	49.6	47.7	66.6	70	61	228	72.6	80	67	236	68.8	70	63	230	74.8	80	69	69	238	74.8	80	69	238			
			287A00	74.4	71.6	78.6	90	89	228	84.6	90	94	236	80.7	90	91	230	86.7	90	96	96	238	86.7	90	96	238			
			NONE	-	-	42.4	50	45	226	47.2	60	46	234	44.1	50	46	228	48.9	60	52	52	236	48.9	60	52	236			
			285A00	24.8	23.9	42.4	50	45	226	47.2	60	46	234	44.1	50	46	228	48.9	60	52	52	236	48.9	60	52	236			
286A00	49.6	47.7	69.1	70	64	226	75.1	80	69	234	71.3	80	66	228	77.3	80	71	71	236	77.3	80	71	236						
287A00	74.4	71.6	81.1	90	91	226	87.1	90	97	234	83.2	90	93	228	89.2	90	99	99	236	89.2	90	99	236						
575-3-60	575-3-60	HIGH	NONE	-	-	44.3	50	47	253	49.1	60	52	261	46.0	60	49	255	50.8	60	54	54	263	50.8	60	54	263			
			285A00	24.8	23.9	44.3	50	47	253	49.1	60	52	261	46.0	60	49	255	50.8	60	54	54	263	50.8	60	54	263			
			286A00	49.6	47.7	71.5	80	66	253	77.5	80	71	261	73.6	80	68	255	79.6	80	73	73	263	79.6	80	73	263			
			287A00	74.4	71.6	83.5	90	93	253	89.5	100	99	261	85.6	90	95	255	91.6	100	101	101	263	91.6	100	101	263			

See: "Legend and Notes for Tables 1 - 4" on page 19.

**Table 2 – Unit Wire Sizing Data with Factory Installed HACR Breaker**

UNIT	NO M, V-Ph-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.								NO PE.								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	MCA	HACR BRKR	DISC. SIZE FLA LRA									
50HC**17	460-3-60	STD	NONE	-	-	72/72	409	81.0/81.0	100/100	86/86	429	74.0/74.0	90/90	78/78	414	85.8/85.8	100/100	91/91	484										
			279A00	18.8/25.0	52.1/60.1	72/79	409/409	100.3/100.3	110/110	86/92	429/429	91.5/91.5	100/100	78/84	414/414	106.3/106.3	110/110	91/98	434/434										
			280A00	37.6/50.0	104.2/120.3	129/148	409/409	155.5/155.5	175/175	143/161	429/429	146.8/146.8	150/150	135/153	414/414	161.5/161.5	175/175	149/167	434/434										
			281A00	56.3/75.0	156.4/180.4	190/217	409/409	205.5/205.5	225/225	203/231	429/429	196.8/196.8	200/225	195/223	414/414	211.5/211.5	225/225	209/236	434/434										
			NONE	-	-	75	423	83.2	100	88	443	76.2	100	80	428	88.0	100	94	448										
			279A00	18.8/25.0	52.1/60.1	75/81	423/423	103.1/103.1	110/110	89/95	443/443	94.4/94.4	100/100	80/87	428/428	109.1/109.1	110/110	94/100	448/448										
			280A00	37.6/50.0	104.2/120.3	132/151	423/423	158.3/158.3	175/175	146/164	443/443	149.5/149.5	150/150	138/156	428/428	164.3/164.3	175/175	151/170	448/448										
			281A00	56.3/75.0	156.4/180.4	192/220	423/423	208.4/208.4	225/225	206/233	443/443	199.7/199.7	200/225	198/225	428/428	214.4/214.4	225/225	211/239	448/448										
50HC**17	460-3-60	HIGH	NONE	-	-	78/77	425	86.2/86.2	100/100	92/91	445	79.2/79.2	100/100	84/83	430	91.0/91.0	100/100	97/96	450										
			279A00	18.8/25.0	52.1/60.1	78/84	425/425	105.8/105.8	110/110	92/97	445/445	97.0/97.0	100/100	84/89	430/430	111.8/111.8	125/125	97/103	450/450										
			280A00	37.6/50.0	104.2/120.3	135/153	425/425	162.0/162.0	175/175	149/167	445/445	153.3/153.3	175/175	141/158	430/430	168.0/168.0	175/175	155/172	450/450										
			281A00	56.3/75.0	156.4/180.4	196/222	425/425	211.0/211.0	225/225	209/236	445/445	202.3/202.3	225/225	201/228	430/430	217.0/217.0	225/250	215/241	450/450										
			NONE	-	-	37	242	41.9	50	45	254	37.9	50	40	244	44.1	50	47	256										
			282A00	25.0	30.1	39	242	50.6	60	47	254	45.6	60	42	244	53.4	60	49	256										
			283A00	50.0	60.1	74	242	73.1	80	81	254	68.1	80	76	244	75.9	80	84	256										
			284A00	75.0	90.2	109	242	103.2	110	116	254	98.2	100	111	244	106.0	110	118	256										
50HC**17	460-3-60	MED	NONE	-	-	39	249	43.0	50	46	261	39.0	50	41	251	45.2	50	48	263										
			282A00	25.0	30.1	41	249	52.0	60	48	261	47.0	60	43	251	54.8	60	50	263										
			283A00	50.0	60.1	75	249	74.5	80	82	261	69.5	80	78	251	77.2	80	85	263										
			284A00	75.0	90.2	110	249	104.6	110	117	261	99.6	110	112	251	107.3	110	119	263										
			NONE	-	-	40	250	44.1	50	47	262	40.1	50	42	252	46.3	50	50	264										
			282A00	25.0	30.1	42	250	53.4	60	49	262	48.4	60	45	252	56.1	60	52	264										
			283A00	50.0	60.1	76	250	75.9	80	84	262	70.9	80	79	252	78.6	80	86	264										
			284A00	75.0	90.2	111	250	106.0	125	118	262	101.0	110	114	252	108.7	125	121	264										
50HC**17	460-3-60	HIGH	NONE	-	-	27	184	31.0	40	33	192	27.9	35	29	186	32.7	40	35	194										
			285A00	24.8	23.9	31	184	39.4	40	36	192	35.5	40	33	186	41.5	45	38	194										
			286A00	49.6	47.7	58	184	69.1	70	64	192	65.3	70	60	186	71.3	80	66	194										
			287A00	74.4	71.6	86	184	81.1	90	91	192	77.2	80	88	186	83.2	90	93	194										
			NONE	-	-	27	184	31.0	40	33	192	27.9	35	29	186	32.7	40	35	194										
			285A00	24.8	23.9	31	184	39.4	40	36	192	35.5	40	33	186	41.5	45	38	194										
			286A00	49.6	47.7	58	184	69.1	70	64	192	65.3	70	60	186	71.3	80	66	194										
			287A00	74.4	71.6	86	184	81.1	90	91	192	77.2	80	88	186	83.2	90	93	194										
50HC**17	460-3-60	STD	NONE	-	-	31	198	33.8	40	36	206	30.7	40	33	200	35.5	45	38	208										
			285A00	24.8	23.9	34	198	42.9	45	39	206	39.0	40	36	200	45.0	50	41	208										
			286A00	49.6	47.7	61	198	72.6	80	67	206	68.8	70	63	200	74.8	80	69	208										
			287A00	74.4	71.6	89	198	84.6	90	89	206	80.7	90	91	200	86.7	90	96	208										
			NONE	-	-	31	198	33.8	40	36	206	30.7	40	33	200	35.5	45	38	208										
			285A00	24.8	23.9	34	198	42.9	45	39	206	39.0	40	36	200	45.0	50	41	208										
			286A00	49.6	47.7	61	198	72.6	80	67	206	68.8	70	63	200	74.8	80	69	208										
			287A00	74.4	71.6	89	198	84.6	90	89	206	80.7	90	91	200	86.7	90	96	208										

See: "Legend and Notes for Tables 1 - 4" on page 19.

**50HC\*\*17 -28**





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

UNIT	NO M, V-PH-HZ	ELEC. HTR			NO C.O. or UNPWR C.O.										W/ PWRD C.O.																							
		CRHEATER**A00	Nom (kW)	FLA	NO PE.				w/ P.E. (pwrd fr/unit)				NO PE.				w/ P.E. (pwrd fr/unit)				NO PE.				w/ P.E. (pwrd fr/unit)													
					MCA	HACR BRKR	FLA	DISC. SIZE	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									
50HC**24	460-3-60	HIGH	NONE	-	-	102.2	125	109	625	50	280	292	645	122	114	630	118.8	150	128	650	150/150	128/128	150/150	118.8	150	128	650	150/150	128/128	150/150	118.8	150	128	650				
			279A00	18.8/25.0	52.1/60.1	110.8/110.8	125/125	109/109	625/625	50	280	278	645/645	122/122	60	60	630/630	131.5/131.5	70	62	292	131.5/131.5	62	62	292	131.5/131.5	70	62	292	131.5/131.5	70	62	292	131.5/131.5				
			280A00	37.6/50.0	104.2/120.3	165.9/165.9	175/175	153/171	625/625	80	280	278	645/645	166/185	80	80	630/630	186.6/186.6	80	80	292	186.6/186.6	80	80	292	186.6/186.6	80	80	292	186.6/186.6	80	80	292	186.6/186.6				
			281A00	56.3/75.0	156.4/180.4	216.0/216.0	225/250	213/240	625/625	100	280	278	645/645	226/254	110	110	630/630	236.8/236.8	125	110	292	236.8/236.8	125	110	292	236.8/236.8	125	110	292	236.8/236.8	125	110	292	236.8/236.8				
			284A00	75.0	90.2	101.0	110	114	278	125	121	290	292	645/645	121	116	280	111.5	125	125	116	280	111.5	125	125	116	280	111.5	125	125	116	280	111.5	125	125	116	280	
575-3-60	575-3-60	HIGH	NONE	-	-	35.5	45	37	204	37	204	212	43	39	206	42.0	50	45	212	42.0	50	45	42.0	50	45	212	42.0	50	45	212	42.0	50	45	212	42.0			
			282A00	25.0	30.1	36.9	45	37	204	37	204	212	43	39	206	42.0	50	45	212	42.0	50	45	42.0	50	45	212	42.0	50	45	212	42.0	50	45	212	42.0			
			283A00	50.0	60.1	66.6	70	61	204	70	61	204	212	67	63	206	74.8	80	70	63	206	74.8	80	70	63	206	74.8	80	70	63	206	74.8	80	70	63	206	74.8	
			284A00	75.0	90.2	108.1	125	120	318	125	120	318	330	127	99	93	320	118.6	125	125	123	118.6	125	125	123	118.6	125	125	123	118.6	125	125	123	118.6	125	125	123	118.6
			287A00	74.4	71.6	81.1	90	89	204	90	89	204	212	94	91	206	86.7	90	90	91	206	86.7	90	90	86.7	90	90	206	86.7	90	90	206	86.7	90	90	206	86.7	
208/230-3-60	208/230-3-60	MED	NONE	-	-	90.8	100	96	546	96	546	570	109	101	551	107.4	125	125	566	107.4	125	125	107.4	125	125	566	107.4	125	125	566	107.4	125	125	566	107.4			
			279A00	18.8/25.0	52.1/60.1	96.5/96.5	100/100	96/96	546/546	100/100	96/96	546/546	570/570	109/109	101/101	551/551	117.3/117.3	125/125	125/125	566/566	117.3/117.3	125/125	125/125	117.3/117.3	125/125	125/125	566/566	117.3/117.3	125/125	125/125	566/566	117.3/117.3	125/125	125/125	566/566	117.3/117.3		
			280A00	37.6/50.0	104.2/120.3	151.6/151.6	175/175	139/158	546/546	175/175	139/158	546/546	570/570	153/172	145/164	551/551	172.4/172.4	175/175	175/175	566/566	172.4/172.4	175/175	175/175	172.4/172.4	175/175	175/175	566/566	172.4/172.4	175/175	175/175	566/566	172.4/172.4	175/175	175/175	566/566	172.4/172.4		
			281A00	56.3/75.0	156.4/180.4	201.8/201.8	200/225	200/227	546/546	225/225	200/227	546/546	570/570	213/241	205/233	551/551	222.5/222.5	225/225	225/225	566/566	222.5/222.5	225/225	225/225	222.5/222.5	225/225	225/225	566/566	222.5/222.5	225/225	225/225	566/566	222.5/222.5	225/225	225/225	566/566	222.5/222.5		
			284A00	75.0	90.2	108.1	110	114	278	125	121	290	292	645/645	121	116	280	111.5	125	125	645/645	111.5	125	125	111.5	125	125	645/645	111.5	125	125	645/645	111.5	125	125	645/645	111.5	

See: "Legend and Notes for Tables 1 - 4" on page 19.

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

UNIT	NO M, V-PH-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.												w/ PWRD C.O.											
		IFM TYPE	CRHEATER**A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)				NO P.E.				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**28	460-3-60	STD	NONE	-	-	116.0/116.0	150/150	120/119	590	127.8/127.8	175/175	133/132	610	120.8/120.8	150/150	125/124	595	132.6/132.6	175/175	139/138	615	139/138	615						
			279A00	18.8/25.0	52.1/60.1	116.0/116.0	150/150	120/119	590/590	127.8/127.8	175/175	133/132	610/610	120.8/120.8	150/150	125/124	595/595	132.6/132.6	175/175	139/138	615/615	139/138	615/615						
			280A00	37.6/50.0	104.2/120.3	147.3/147.3	150/150	135/153	590/590	162.0/162.0	175/175	149/167	610/610	153.3/153.3	175/175	141/158	595/595	168.0/168.0	175/175	155/172	615/615	155/172	615/615						
			281A00	56.3/75.0	156.4/180.4	196.3/196.3	200/225	196/222	590/590	211.0/211.0	225/225	209/236	610/610	202.3/202.3	225/225	201/228	595/595	217.0/217.0	225/250	215/241	615/615	215/241	615/615						
			NONE	-	-	119.5	150	124	586	131.3	175	137	606	124.3	150	129	591	136.1	175	143	611	143	611						
			279A00	18.8/25.0	52.1/60.1	119.5/119.5	150/150	124/124	586/586	131.3/131.3	175/175	137/137	606/606	124.3/124.3	150/150	129/129	591/591	136.1/136.1	175/175	143/143	611/611	143/143	611/611						
			280A00	37.6/50.0	104.2/120.3	151.6/151.6	175/175	139/158	586/586	166.4/166.4	175/175	153/172	606/606	157.6/157.6	175/175	145/164	591/591	172.4/172.4	175/175	159/177	611/611	159/177	611/611						
			281A00	56.3/75.0	156.4/180.4	201.8/201.8	225/225	200/227	586/586	216.5/216.5	225/250	213/241	606/606	207.8/207.8	225/225	205/233	591/591	222.5/222.5	225/250	219/246	611/611	219/246	611/611						
			NONE	-	-	130.9	175	137	685	142.7	175	150	685	135.7	175	142	670	147.5	175	156	690	156	690						
			279A00	18.8/25.0	52.1/60.1	130.9/130.9	175/175	137/137	685/685	142.7/142.7	175/175	150/150	685/685	135.7/135.7	175/175	142/142	670/670	147.5/147.5	175/175	156/156	690/690	156/156	690/690						
280A00	37.6/50.0	104.2/120.3	165.9/165.9	175/175	153/171	685/685	180.6/180.6	200/200	166/185	685/685	171.9/171.9	175/175	158/177	670/670	186.6/186.6	200/200	172/190	690/690	172/190	690/690									
281A00	56.3/75.0	156.4/180.4	216.0/216.0	225/250	213/240	685/685	230.8/230.8	250/250	228/254	685/685	222.0/222.0	225/250	218/248	670/670	236.8/236.8	250/250	232/259	690/690	232/259	690/690									
50HC**28	460-3-60	STD	NONE	-	-	53.0	60	56	306	59.2	70	63	318	55.2	60	58	308	61.4	70	65	320	65	320						
			282A00	25.0	30.1	53.0	60	56	306	59.2	70	63	318	55.2	60	58	308	61.4	70	65	320	65	320						
			283A00	50.0	60.1	68.1	80	76	306	75.9	80	84	318	70.9	80	79	308	78.6	80	86	320	86	320						
			284A00	75.0	90.2	98.2	100	111	306	106.0	125	118	318	101.0	110	114	308	108.7	125	121	320	121	320						
			NONE	-	-	55.2	60	58	304	61.4	70	65	316	57.4	70	61	306	63.6	80	68	318	68	318						
			282A00	25.0	30.1	55.2	60	58	304	61.4	70	65	316	57.4	70	61	306	63.6	80	68	318	68	318						
			283A00	50.0	60.1	70.9	80	79	304	78.6	80	86	316	73.6	80	82	306	81.4	90	89	318	89	318						
			284A00	75.0	90.2	101.0	110	114	304	108.7	125	121	316	103.7	125	116	306	111.5	125	123	318	123	318						
			NONE	-	-	60.9	70	65	344	67.1	80	72	356	63.1	80	67	346	69.3	80	74	358	74	358						
			282A00	25.0	30.1	60.9	70	65	344	67.1	80	72	356	63.1	80	67	346	69.3	80	74	358	74	358						
283A00	50.0	60.1	78.0	90	86	344	85.7	90	93	356	80.7	90	88	346	88.5	100	95	358	95	358									
284A00	75.0	90.2	108.1	125	120	344	115.8	125	127	356	110.8	125	123	346	118.6	125	130	358	130	358									
575-3-60	STD	NONE	-	-	40.4	50	42	228	45.2	50	48	236	42.1	50	44	230	46.9	60	50	238	50	238							
		285A00	24.8	23.9	40.4	50	42	228	45.2	50	48	236	42.1	50	44	230	46.9	60	50	238	50	238							
		286A00	49.6	47.7	66.6	70	61	228	72.6	80	67	236	68.8	70	63	230	74.8	80	69	238	69	238							
		287A00	74.4	71.6	78.6	90	89	228	84.6	90	94	236	80.7	90	91	230	86.7	90	96	238	96	238							
		NONE	-	-	42.4	50	45	226	47.2	60	50	234	44.1	60	46	228	48.9	60	52	236	52	236							
		285A00	24.8	23.9	42.4	50	45	226	47.2	60	50	234	44.1	60	46	228	48.9	60	52	236	52	236							
		286A00	49.6	47.7	69.1	70	64	226	75.1	80	69	234	71.3	80	66	228	77.3	80	71	236	71	236							
		287A00	74.4	71.6	81.1	90	91	226	87.1	90	97	234	83.2	90	93	228	89.2	90	99	236	99	236							
		NONE	-	-	44.3	50	47	253	49.1	60	52	261	46.0	60	49	255	50.8	60	54	263	54	263							
		285A00	24.8	23.9	44.3	50	47	253	49.1	60	52	261	46.0	60	49	255	50.8	60	54	263	54	263							
286A00	49.6	47.7	71.5	80	66	253	77.5	80	71	261	73.6	80	68	255	79.6	80	73	263	73	263									
287A00	74.4	71.6	83.5	90	93	253	89.5	100	99	261	85.6	90	95	255	91.6	100	101	263	101	263									

See: "Legend and Notes for Tables 1 - 4" on page 19.

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

UNIT	NO M, V-PH-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.										w/ PWRD C.O.									
			CRHEATER***A00	Nom (kW)	FLA	NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)				
						MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA					
50HC**17	460-3-60	STD	NONE	-	-	68.4/68.6	90/90	73/72	390	81.2/80.4	100/100	88/85	410	74.2/73.4	90/90	78/77	395	86.0/85.2	100/100	92/91	415				
			279A00	18.8/25.0	52.1/60.1	75.9/84.9	90/90	73/78	390/390	90.6/89.6	100/100	88/92	410/410	81.9/90.9	90/100	78/84	395/395	96.6/105.6	100/110	92/97	415/415				
			280A00	37.6/50.0	104.2/120.3	141.0/130.1	150/150	130/147	390/390	155.8/144.8	175/150	143/161	410/410	147.0/136.1	150/150	135/153	395/395	161.8/150.8	175/175	149/166	415/415				
			281A00	56.3/75.0	156.4/180.4	167.2/190.2	200/200	190/216	390/390	181.9/204.9	200/225	203/230	410/410	173.2/196.2	200/225	195/222	395/395	187.9/210.9	200/225	209/236	415/415				
50HC**17	460-3-60	MED	NONE	-	-	71.6/70.6	90/90	75/74	414	83.4/82.4	100/100	89/88	434	76.4/75.4	100/100	81/79	419	88.2/87.2	100/100	94/93	439				
			279A00	18.8/25.0	52.1/60.1	78.6/87.4	90/90	75/80	414/414	93.4/102.1	100/110	89/94	434/434	84.6/93.4	100/100	81/86	419/419	99.4/108.1	100/110	94/99	439/439				
			280A00	37.6/50.0	104.2/120.3	143.8/132.6	150/150	132/150	414/414	158.5/147.3	175/175	146/163	434/434	149.8/138.6	150/150	138/155	419/419	164.5/153.3	175/175	151/169	439/439				
			281A00	56.3/75.0	156.4/180.4	169.9/192.7	200/225	192/219	414/414	184.7/207.4	200/225	206/232	434/434	175.9/198.7	200/225	198/224	419/419	190.7/213.4	200/225	211/238	439/439				
50HC**17	460-3-60	HIGH	NONE	-	-	74.4/73.5	90/90	78/77	425	86.2/85.3	100/100	92/91	445	79.2/78.3	100/100	84/83	430	91.0/90.1	100/100	97/96	450				
			279A00	18.8/25.0	52.1/60.1	82.1/91.0	90/100	78/84	425/425	96.9/105.8	100/110	92/97	445/445	88.1/97.0	100/100	84/89	430/430	102.9/111.8	110/125	97/103	450/450				
			280A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	425/425	162.0/150.9	175/175	149/167	445/445	153.3/142.2	175/175	141/158	430/430	168.0/156.9	175/175	155/172	450/450				
			281A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	425/425	188.2/211.0	200/225	209/236	445/445	179.4/202.3	200/225	201/228	430/430	194.2/217.0	200/250	215/241	450/450				
50HC**17	460-3-60	STD	NONE	-	-	35.3	45	37	233	41.5	50	44	245	37.5	50.00	39	235	43.7	50.00	47	247				
			282A00	25.0	30.1	42.4	45	39	233	50.1	60	46	245	45.1	50.00	42	235	52.9	60.00	49	247				
			283A00	50.0	60.1	64.9	70	73	233	72.6	80	81	245	67.6	80.00	76	235	75.4	80.00	83	247				
			284A00	75.0	90.2	95.0	100	108	233	102.7	110	115	245	97.7	100	111	235	105.5	110	118	247				
50HC**17	460-3-60	MED	NONE	-	-	36.4	45	38	245	42.6	50	45	257	38.6	50.00	41	247	44.8	50.00	48	259				
			282A00	25.0	30.1	43.8	45	40	245	51.5	60	47	257	46.5	50.00	43	247	54.3	60.00	50	259				
			283A00	50.0	60.1	66.2	80	75	245	74.0	80	82	257	69.0	80.00	77	247	76.7	80.00	84	259				
			284A00	75.0	90.2	96.3	100	109	245	104.1	110	116	257	99.1	100	112	247	106.8	110	119	259				
50HC**17	460-3-60	HIGH	NONE	-	-	37.9	50	40	250	44.1	50	47	262	40.1	50.00	42	252	46.3	50.00	50	264				
			282A00	25.0	30.1	45.6	50	42	250	53.4	60	49	262	48.4	50.00	45	252	56.1	60.00	52	264				
			283A00	50.0	60.1	68.1	80	76	250	75.9	80	84	262	70.9	80.00	79	252	78.6	80.00	86	264				
			284A00	75.0	90.2	98.2	100	111	250	106.0	125	118	262	101.0	110	114	252	108.7	125	121	264				
50HC**17	460-3-60	STD	NONE	-	-	27.9	35	29	184	32.7	40	35	192	29.6	35.00	31	186	34.4	40.00	37	194				
			285A00	24.8	23.9	35.5	40	33	184	41.5	45	38	192	37.6	40.00	35	186	43.6	45.00	40	194				
			286A00	49.6	47.7	65.3	70	60	184	71.3	80	66	192	67.4	70.00	62	186	73.4	80.00	68	194				
			287A00	74.4	71.6	77.2	90	88	184	83.2	90	93	192	79.4	90	89	186	85.4	90	95	194				
50HC**17	460-3-60	MED	NONE	-	-	27.9	35	29	184	32.7	40	35	192	29.6	35.00	31	186	34.4	40.00	37	194				
			285A00	24.8	23.9	35.5	40	33	184	41.5	45	38	192	37.6	40.00	35	186	43.6	45.00	40	194				
			286A00	49.6	47.7	65.3	70	60	184	71.3	80	66	192	67.4	70.00	62	186	73.4	80.00	68	194				
			287A00	74.4	71.6	77.2	90	88	184	83.2	90	93	192	79.4	90	89	186	85.4	90	95	194				
50HC**17	460-3-60	HIGH	NONE	-	-	29.6	35	31	198	34.4	40	37	206	31.3	40.00	33	200	36.1	45.00	39	208				
			285A00	24.8	23.9	37.6	40	35	198	43.6	45	40	206	39.8	40.00	37	200	45.8	50.00	42	208				
			286A00	49.6	47.7	67.4	70	62	198	73.4	80	68	206	69.5	70.00	64	200	75.5	80.00	69	208				
			287A00	74.4	71.6	79.4	90	89	198	85.4	90	95	206	81.5	90	91	200	87.5	90	97	208				

See: "Legend and Notes for Tables 1 - 4" on page 19.

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

UNIT	NO M, V-PH-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.						w/ PWRD C.O.									
			CRHEATER**A00	Nom (kW)	FLA	NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)						
						MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA				
STD			NONE	-	-	76.3/75.3	100/100	80/79	444	88.1/87.1	100/100	93/92	464	81.1/80.1	100/100	85/84	449	92.9/91.9	100/100	99/98	469
			279A00	18.8/25.0	52.1/60.1	78.6/87.4	100/100	80/80	444/444	93.4/102.1	100/110	93/94	464/464	84.6/83.4	100/100	85/86	449/449	99.4/108.1	100/110	99/99	469/469
			280A00	37.6/50.0	104.2/120.3	143.8/132.6	150/150	132/150	444/444	158.5/147.3	175/175	146/163	464/464	149.8/138.6	150/150	138/155	449/449	164.5/153.3	175/175	151/169	469/469
			281A00	56.3/75.0	156.4/180.4	169.9/192.7	200/225	192/219	444/444	184.7/207.4	200/225	206/232	464/464	175.9/198.7	200/225	198/224	449/449	190.7/213.4	200/225	211/238	469/469
MED	208/230-3-60		NONE	-	-	79.1/78.2	100/100	83/82	455	90.9/90.0	100/100	97/96	475	83.9/83.0	100/100	89/88	460	95.7/94.8	110/110	102/101	480
			279A00	18.8/25.0	52.1/60.1	82.1/91.0	100/100	83/84	455/455	96.9/105.8	100/110	97/97	475/475	88.1/97.0	100/100	89/89	460/460	102.9/111.8	110/125	102/103	480/480
			280A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	455/455	162.0/150.9	175/175	149/167	475/475	153.3/142.2	175/175	141/158	460/460	168.0/156.9	175/175	155/172	480/480
			281A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	455/455	188.2/211.0	200/225	209/236	475/475	179.4/202.3	200/225	201/228	460/460	194.2/217.0	200/250	215/241	480/480
HIGH			NONE	-	-	82.6	100	87	451	94.4	110	101	471	87.4	100/100	93	456	99.2	125.00	106	476
			279A00	18.8/25.0	52.1/60.1	86.5/96.5	100/100	87/89	451/451	101.3/111.3	110/125	101/102	471/471	92.5/102.5	100/110	89/94	456/456	107.3/117.3	125/125	106/108	476/476
			280A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	451/451	166.4/156.4	175/175	153/172	471/471	157.6/147.7	175/175	145/164	456/456	172.4/162.4	175/175	159/177	476/476
			281A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	451/451	192.5/216.5	200/250	213/241	471/471	183.8/207.8	200/225	205/233	456/456	198.5/222.5	200/250	219/246	476/476
STD			NONE	-	-	36.7	45	39	247	42.9	50	46	259	38.9	50.00	41	249	45.1	50.00	48	261
			282A00	25.0	30.1	43.8	45	40	247	51.5	60	47	259	46.5	50.00	43	249	54.3	60.00	50	261
			283A00	50.0	60.1	66.2	80	75	247	74.0	80	82	259	69.0	80.00	77	249	76.7	80.00	84	261
			284A00	75.0	90.2	96.3	100	109	247	104.1	110	116	259	99.1	100	112	249	106.8	110	119	261
MED	460-3-60		NONE	-	-	38.2	50	40	252	44.4	50	47	264	40.4	50.00	43	254	46.6	50.00	50	266
			282A00	25.0	30.1	45.6	50	42	252	53.4	60	49	264	48.4	50.00	45	254	56.1	60.00	52	266
			283A00	50.0	60.1	68.1	80	76	252	75.9	80	84	264	70.9	80.00	79	254	78.6	80.00	86	266
			284A00	75.0	90.2	98.2	100	111	252	106.0	125	118	264	101.0	110	114	254	108.7	125	121	266
HIGH			NONE	-	-	40.4	50	43	250	46.6	50	50	262	42.6	50.00	45	252	48.8	60.00	52	264
			282A00	25.0	30.1	48.4	50	45	250	56.1	60	52	262	51.1	60.00	47	252	58.9	60.00	54	264
			283A00	50.0	60.1	70.9	80	79	250	78.6	80	86	262	73.6	80.00	82	252	81.4	90.00	89	264
			284A00	75.0	90.2	101.0	110	114	250	108.7	125	121	262	103.7	125	116	252	111.5	125	123	264
STD			NONE	-	-	27.9	35	29	186	32.7	40	35	194	29.6	35.00	31	188	34.4	40.00	37	196
			285A00	24.8	23.9	35.5	40	33	186	41.5	45	38	194	37.6	40.00	35	188	43.6	45.00	40	196
			286A00	49.6	47.7	65.3	70	60	186	71.3	80	66	194	67.4	70.00	62	188	73.4	80.00	68	196
			287A00	74.4	71.6	77.2	90	88	186	83.2	90	93	194	79.4	90	89	188	85.4	90	95	196
MED	575-3-60		NONE	-	-	29.6	35	31	200	34.4	40	37	208	31.3	40.00	33	202	36.1	45.00	39	210
			285A00	24.8	23.9	37.6	40	35	200	43.6	45	40	208	39.8	40.00	37	202	45.8	50.00	42	210
			286A00	49.6	47.7	67.4	70	62	200	73.4	80	68	208	69.5	70.00	64	202	75.5	80.00	69	210
			287A00	74.4	71.6	79.4	90	89	200	85.4	90	95	208	81.5	90	91	202	87.5	90	97	210
HIGH			NONE	-	-	31.0	40	33	198	35.8	45	38	206	32.7	40.00	35	200	37.5	45.00	40	208
			285A00	24.8	23.9	39.4	40	36	198	45.4	50	42	206	41.5	45.00	38	200	47.5	50.00	44	208
			286A00	49.6	47.7	69.1	70	64	198	75.1	80	69	206	71.3	80.00	66	200	77.3	80.00	71	208
			287A00	74.4	71.6	81.1	90	91	198	87.1	90	97	206	83.2	90	93	200	89.2	90	99	208

See: "Legend and Notes for Tables 1 - 4" on page 19.

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

UNIT	NO M, V, P-H-HZ	IFM TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.					w/ PWRD C.O.													
			CRHEATER**A00	Nom (kW)	FLA	NO PE.		w/ P.E. (pwrld fr/unit)			NO PE.		w/ P.E. (pwrld fr/unit)										
						MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	DISC. SIZE				
50HC**24	460-3-60	MED	NONE	-	-	92/91	550	570	92.1/91.2	125/125	105/104	570	555	97/96	100/100	92.1/91.2	125/125	103.9/103.0	111/110	575			
						92/91	550/550	570/570	92.1/91.2	125/125	105/104	570/570	92.1/91.2	125/125	105/104	570/570	555/555	100/100	92.1/91.2	125/125	103.9/111.8	111/110	575/575
						135/153	550/550	570/570	162.0/150.9	175/175	149/167	570/570	141/158	175/175	153.3/142.2	175/175	555/555	200/225	141/158	175/175	168.0/156.9	155/172	575/575
						196/222	550/550	570/570	188.2/211.0	200/225	209/236	570/570	201/228	200/225	179.4/202.3	200/225	555/555	200/225	201/228	200/250	194.2/217.0	215/241	575/575
50HC**24	460-3-60	HIGH	NONE	-	-	109	825	645	102.2	125	122	645	630	114	125.00	107.4	150.00	118.8	128	650			
						109/109	825/825	645/645	102.2/110.8	125/125	122/122	645/645	114/114	125/125	107.0/116.8	125/125	630/630	101/101	125/125	107.4/117.3	115/115	571/571	
						153/171	825/825	645/645	165.9/155.9	175/175	166/185	645/645	158/177	175/175	171.9/161.9	175/175	551/551	145/164	175/175	172.4/162.4	159/177	571/571	
						213/240	825/825	645/645	192.0/216.0	200/250	226/254	645/645	218/246	225/250	198.0/222.0	225/250	551/551	205/233	205/233	200/250	198.5/222.5	219/246	571/571
50HC**24	460-3-60	STD	NONE	-	-	50	280	292	47.6	60	57	292	282	52	60.00	49.8	70.00	56.0	60	294			
						50	280	292	47.6	60	57	292	60.00	49.8	70.00	56.1	60.00	70.00	56.1	70.00	294		
						76	280	292	68.1	80	84	292	80.00	70.9	70.9	78.6	79	80.00	86	80.00	86	294	
						111	280	292	98.2	100	118	292	110	101.0	103.7	108.7	116	110	114	125	108.7	121	294
50HC**24	460-3-60	MED	NONE	-	-	52	278	290	49.8	60	60	290	280	55	60.00	52.0	70.00	58.2	62	292			
						52	278	290	49.8	60	60	290	60.00	52.0	70.00	58.9	60.00	70.00	58.9	70.00	292		
						79	278	290	70.9	80	86	290	80.00	73.6	73.6	81.4	82	80.00	89	90.00	89	292	
						114	278	290	101.0	110	121	290	125	103.7	103.7	111.5	116	125	123	125	123	292	
50HC**24	460-3-60	HIGH	NONE	-	-	59	318	330	55.5	60	66	330	320	62	70.00	57.7	80.00	63.9	69	332			
						59	318	330	55.5	60	66	330	70.00	58.3	80.00	66.0	70.00	80.00	66.0	80.00	69	332	
						86	318	330	78.0	90	93	330	90.00	80.7	80.7	88.5	88	90.00	95	100.00	95	332	
						120	318	330	108.1	125	127	330	125	108.8	110.8	118.6	123	125	130	125	130	332	
575-3-60	575-3-60	STD	NONE	-	-	38	204	212	36.1	45	43	212	206	40	45.00	37.8	50.00	42.6	45	214			
						38	204	212	36.1	45	43	212	45.00	39.8	50.00	45.8	45.00	50.00	45.8	50.00	214		
						62	204	212	47.7	70	68	212	70.00	69.5	69.5	75.5	64	70.00	69	80.00	69	214	
						89	204	212	79.4	90	95	212	90	81.5	81.5	89.2	91	90	97	90	97	214	
575-3-60	575-3-60	MED	NONE	-	-	40	202	210	37.5	45	45	210	204	42	50.00	39.2	50.00	44.0	47	212			
						40	202	210	37.5	45	45	210	50.00	41.5	50.00	47.5	50.00	50.00	47.5	50.00	212		
						64	202	210	47.7	70	69	210	80.00	71.3	71.3	77.3	66	80.00	71	80.00	71	212	
						91	202	210	81.1	90	97	210	90	83.2	83.2	89.2	93	90	99	90	99	212	
575-3-60	575-3-60	HIGH	NONE	-	-	42	229	237	39.4	50	47	237	231	44	50.00	41.1	50.00	45.9	49	239			
						42	229	237	39.4	50	47	237	50.00	43.9	50.00	49.9	44	50.00	49	50.00	239		
						66	229	237	71.5	80	71	237	80.00	73.6	73.6	79.6	68	80.00	73	80.00	73	239	
						93	229	237	83.5	90	99	237	90	85.6	85.6	91.6	95	90	101	100	101	239	

See: "Legend and Notes for Tables 1 - 4" on page 19.

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

UNIT	NO M, V-PH-HZ	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.										w/ PWRD C.O.									
			CRHEATER**A00	Nom (kW)	FLA	NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)				
						MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA		
50HC**28	460-3-60	HIGH	NONE	-	-	116.0/115.1	150/150	120/119	590	127.8/126.9	175/175	133/132	610	120.8/119.9	150/150	125/124	595	132.8/131.7	175/175	139/138	615				
			279A00	18.8/25.0	52.1/60.1	116.0/115.1	150/150	120/119	590/590	127.8/126.9	175/175	133/132	610/610	120.8/119.9	150/150	125/124	595/595	132.8/131.7	175/175	139/138	615/615				
			280A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	590/590	162.0/150.9	175/175	149/167	610/610	153.3/142.2	175/175	141/158	595/595	168.0/156.9	175/175	155/172	615/615				
			281A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	590/590	188.2/211.0	200/225	209/236	610/610	179.4/202.3	200/225	201/228	595/595	194.2/217.0	200/250	215/241	615/615				
			NONE	-	-	119.5	150	124	586	131.3	175	137	606	124.3	150.00	129	591	136.1	175.00	143	611				
			279A00	18.8/25.0	52.1/60.1	119.5/119.5	150/150	124/124	586/586	131.3/131.3	175/175	137/137	606/606	124.3/124.3	150/150	129/129	591/591	136.1/136.1	175/175	143/143	611/611				
			280A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	586/586	166.4/156.4	175/175	153/172	606/606	157.6/147.7	175/175	145/164	591/591	172.4/162.4	175/175	159/177	611/611				
			281A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	586/586	192.5/216.5	200/250	213/241	606/606	183.8/207.8	200/225	205/233	591/591	198.5/222.5	200/250	219/246	611/611				
			NONE	-	-	130.9	175	137	665	142.7	175	150	685	135.7	175.00	142	670	147.5	175.00	156	690				
			279A00	18.8/25.0	52.1/60.1	130.9/130.9	175/175	137/137	665/665	142.7/142.7	175/175	150/150	685/685	135.7/135.7	175/175	142/142	670/670	147.5/147.5	175/175	156/156	690/690				
50HC**28	460-3-60	STD	NONE	-	-	53.0	60	56	306	59.2	70	63	318	55.2	60.00	58	308	61.4	70.00	65	320				
			282A00	25.0	30.1	53.0	60	56	306	59.2	70	63	318	55.2	60.00	58	308	61.4	70.00	65	320				
			283A00	50.0	60.1	68.1	80	76	306	75.9	80	84	318	70.9	80.00	79	308	78.6	80.00	86	320				
			284A00	75.0	90.2	98.2	100	111	306	106.0	125	118	318	101.0	110	114	308	108.7	125	121	320				
			NONE	-	-	55.2	60	58	304	61.4	70	65	316	57.4	70.00	61	306	63.6	80.00	68	318				
			282A00	25.0	30.1	55.2	60	58	304	61.4	70	65	316	57.4	70.00	61	306	63.6	80.00	68	318				
			283A00	50.0	60.1	70.9	80	79	304	78.6	80	86	316	73.6	80.00	82	306	81.4	90.00	89	318				
			284A00	75.0	90.2	101.0	110	114	304	108.7	125	121	316	103.7	125	116	306	111.5	125	123	318				
			NONE	-	-	60.9	70	65	344	67.1	80	72	356	63.1	80.00	67	346	69.3	80.00	74	358				
			282A00	25.0	30.1	60.9	70	65	344	67.1	80	72	356	63.1	80.00	67	346	69.3	80.00	74	358				
575-3-60	575-3-60	STD	NONE	-	-	41.0	50	43	228	45.8	60	48	236	42.7	50.00	45	230	47.5	60.00	50	238				
			285A00	24.8	23.9	41.0	50	43	228	45.8	60	48	236	42.7	50.00	45	230	47.5	60.00	50	238				
			286A00	49.6	47.7	67.4	70	62	228	73.4	80	68	236	69.5	70.00	64	230	75.5	80.00	69	238				
			287A00	74.4	71.6	79.4	90	89	228	85.4	90	95	236	81.5	90	91	230	87.5	90	97	238				
			NONE	-	-	42.4	50	45	226	47.2	60	50	234	44.1	50.00	46	228	48.9	60.00	52	236				
			285A00	24.8	23.9	42.4	50	45	226	47.2	60	50	234	44.1	50.00	46	228	48.9	60.00	52	236				
			286A00	49.6	47.7	69.1	70	64	226	75.1	80	69	234	71.3	80.00	66	228	77.3	80.00	71	236				
			287A00	74.4	71.6	81.1	90	91	226	87.1	90	97	234	83.2	90	93	228	89.2	90	99	236				
			NONE	-	-	44.3	50	47	253	49.1	60	52	261	46.0	60.00	49	255	50.8	60.00	54	263				
			285A00	24.8	23.9	44.3	50	47	253	49.1	60	52	261	46.0	60.00	49	255	50.8	60.00	54	263				
575-3-60	575-3-60	HIGH	NONE	-	-	71.5	80	66	253	77.5	80	71	261	73.6	80.00	68	255	79.6	80.00	73	263				
			286A00	49.6	47.7	71.5	80	66	253	77.5	80	71	261	73.6	80.00	68	255	79.6	80.00	73	263				
			287A00	74.4	71.6	83.5	90	93	253	89.5	100	99	261	85.6	90	95	255	91.6	100	101	263				

See: "Legend and Notes for Tables 1 - 4" on page 19.



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

UNIT	NO M, V-Ph-HZ	ELEC. HTR			NO C.O. or UNPWR C.O.												w/ PWRD C.O.											
		CRHEATER**A00	Nom (kW)	FLA	NO PE.				w/ P.E. (pwrdr fr/unit)				NO PE.				w/ P.E. (pwrdr fr/unit)											
					MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA									
50HC**20	STD	NONE	-	-	76.3/76.3	100/100	80/79	444	444	464	93/92	100/100	85/84	449	449	92.9/92.9	100/100	99/98	469	469								
		279A00	18.8/25.0	52.1/60.1	87.4/87.4	80/80	444/444	444/444	464/464	93/94	110/110	93/94	100/100	85/86	449/449	108.1/108.1	110/110	99/99	469/469	469/469								
		280A00	37.6/50.0	104.2/120.3	143.8/143.8	132/150	444/444	132/150	464/464	146/163	175/175	146/163	150/150	138/155	449/449	164.5/164.5	175/175	151/169	469/469	469/469								
		281A00	56.3/75.0	156.4/180.4	192.7/192.7	192/219	444/444	192/219	464/464	206/232	225/225	206/232	200/225	196/224	449/449	213.4/213.4	225/225	211/238	469/469	469/469								
460-3-60	MED	NONE	-	-	79.1/79.1	100/100	83/82	455	455	475	97/96	100/100	89/88	460	460	95.7/95.7	110/110	102/101	480	480								
		279A00	18.8/25.0	52.1/60.1	91.0/91.0	83/84	455/455	455/455	475/475	97/97	110/110	97/97	100/100	89/89	460/460	111.8/111.8	125/125	102/103	480/480	480/480								
		280A00	37.6/50.0	104.2/120.3	147.3/147.3	135/153	455/455	135/153	475/475	149/167	175/175	149/167	150/150	141/158	460/460	168.0/168.0	175/175	155/172	480/480	480/480								
		281A00	56.3/75.0	156.4/180.4	196.3/196.3	196/222	455/455	196/222	475/475	209/236	225/225	209/236	200/225	201/228	460/460	217.0/217.0	225/250	215/241	480/480	480/480								
50HC**20	HIGH	NONE	-	-	82.6	100	87	451	451	471	101	110	93	456	456	99.2	125	106	476	476								
		279A00	18.8/25.0	52.1/60.1	96.5/96.5	87/89	451/451	451/451	471/471	101/102	125/125	101/102	110/110	93/94	456/456	117.3/117.3	125/125	106/108	476/476	476/476								
		280A00	37.6/50.0	104.2/120.3	151.6/151.6	139/158	451/451	139/158	471/471	153/172	175/175	153/172	175/175	145/164	456/456	172.4/172.4	175/175	159/177	476/476	476/476								
		281A00	56.3/75.0	156.4/180.4	201.8/201.8	200/227	451/451	200/227	471/471	213/241	225/250	213/241	225/250	205/233	456/456	222.5/222.5	225/250	219/246	476/476	476/476								
460-3-60	STD	NONE	-	-	36.7	45	39	247	247	259	46	50	41	249	249	45.1	50	48	261	261								
		282A00	25.0	30.1	43.8	40	247	247	259	47	60	47	50	43	249	54.3	60	50	261	261								
		283A00	50.0	60.1	66.2	75	247	74.0	80	82	80	82	80	77	249	76.7	80	84	261	261								
		284A00	75.0	90.2	96.3	100	247	104.1	110	116	110	116	110	112	249	106.8	110	119	261	261								
460-3-60	MED	NONE	-	-	38.2	50	40	252	252	264	47	50	43	254	254	46.6	50	50	266	266								
		282A00	25.0	30.1	45.6	42	252	53.4	60	49	60	49	50	45	254	56.1	60	52	266	266								
		283A00	50.0	60.1	68.1	76	252	75.9	80	84	80	84	80	79	254	78.6	80	86	266	266								
		284A00	75.0	90.2	98.2	111	252	106.0	125	118	125	118	110	114	254	108.7	125	121	266	266								
460-3-60	HIGH	NONE	-	-	40.4	50	43	250	250	262	50	50	45	252	252	48.8	60	52	264	264								
		282A00	25.0	30.1	48.4	45	250	56.1	60	52	60	52	60	47	252	58.9	60	54	264	264								
		283A00	50.0	60.1	70.9	79	250	78.6	80	86	80	86	80	82	252	81.4	90	89	264	264								
		284A00	75.0	90.2	101.0	114	250	108.7	125	121	125	121	110	116	252	111.5	125	123	264	264								
575-3-60	STD	NONE	-	-	27.9	35	29	186	186	194	35	40	31	188	188	34.4	40	37	196	196								
		285A00	24.8	23.9	35.5	33	186	41.5	45	38	45	38	40	35	188	43.6	45	40	196	196								
		286A00	49.6	47.7	65.3	60	186	71.3	80	66	66	66	70	62	188	73.4	80	68	196	196								
		287A00	74.4	71.6	77.2	88	186	83.2	90	93	90	93	90	89	188	85.4	90	95	196	196								
575-3-60	MED	NONE	-	-	29.6	35	31	200	200	208	37	40	33	202	202	36.1	45	39	210	210								
		285A00	24.8	23.9	37.6	35	200	43.6	45	40	45	40	40	37	202	45.8	50	42	210	210								
		286A00	49.6	47.7	67.4	62	200	73.4	80	68	68	68	70	64	202	75.5	80	69	210	210								
		287A00	74.4	71.6	79.4	89	200	85.4	90	95	90	95	90	91	202	87.5	90	97	210	210								
575-3-60	HIGH	NONE	-	-	31.0	40	33	198	198	206	38	45	35	200	200	37.5	45	40	208	208								
		285A00	24.8	23.9	39.4	36	198	45.4	50	42	50	42	45	38	200	47.5	50	44	208	208								
		286A00	49.6	47.7	69.1	64	198	75.1	80	69	69	69	80	66	200	77.3	80	71	208	208								
		287A00	74.4	71.6	81.1	91	198	87.1	90	97	90	97	90	93	200	89.2	90	99	208	208								

See: "Legend and Notes for Tables 1 - 4" on page 19.





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

UNIT	NO M, V-PH-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.										w/ PWRD C.O.									
		CRHEATER**A00	Nom (kW)	FLA	MCA	NO PE.			w/ P.E. (pwrdr fr/unit)			NO PE.			w/ P.E. (pwrdr fr/unit)			NO PE.			w/ P.E. (pwrdr fr/unit)				
						HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA	HACR BRKR	FLA	DISC. SIZE	MCA
50HC**28	460-3-60	NONE	-	-	116.0/116.0	150/150	120/119	590	590/590	127.8/127.8	175/175	133/132	610	610/610	120.8/120.8	150/150	125/124	595	595/595	132.6/132.6	175/175	139/138	615	615/615	
					116.0/116.0	150/150	120/119	590/590	127.8/127.8	175/175	133/132	610/610	120.8/120.8	150/150	125/124	595/595	132.6/132.6	175/175	139/138	615/615					
					147.3/147.3	150/150	135/153	590/590	162.0/162.0	175/175	149/167	610/610	153.3/153.3	175/175	141/158	595/595	168.0/168.0	175/175	155/172	615/615					
					196.3/196.3	200/225	196/222	590/590	211.0/211.0	225/225	209/236	610/610	202.3/202.3	225/225	201/228	595/595	217.0/217.0	225/250	215/241	615/615					
50HC**28	208/230-3-60	NONE	-	-	119.5	150	124	586	586/586	131.3	175	137	606	606/606	124.3	150	129	591	591/591	136.1	175	143	611	611/611	
					119.5/119.5	150/150	124/124	586/586	131.3/131.3	175/175	137/137	606/606	124.3/124.3	150/150	129/129	591/591	136.1/136.1	175/175	143/143	611/611					
					151.6/151.6	175/175	139/158	586/586	166.4/166.4	175/175	153/172	606/606	157.6/157.6	175/175	145/164	591/591	172.4/172.4	175/175	159/177	611/611					
					201.8/201.8	225/225	200/227	586/586	216.5/216.5	225/250	213/241	606/606	207.8/207.8	225/225	205/233	591/591	222.5/222.5	225/250	219/246	611/611					
50HC**28	460-3-60	NONE	-	-	130.9	175	137	665	665/665	142.7	175	150	685	685/685	135.7	175	142	670	670/670	147.5	175	156	690	690/690	
					130.9/130.9	175/175	137/137	665/665	142.7/142.7	175/175	150/150	685/685	135.7/135.7	175/175	142/142	670/670	147.5/147.5	175/175	156/156	690/690					
					165.9/165.9	175/175	153/171	665/665	180.6/180.6	200/200	166/185	685/685	171.9/171.9	175/175	158/177	670/670	186.6/186.6	200/200	172/190	690/690					
					216.0/216.0	225/250	213/240	665/665	230.8/230.8	250/250	226/254	685/685	222.0/222.0	225/250	218/246	670/670	236.8/236.8	250/250	232/259	690/690					
50HC**28	460-3-60	NONE	-	-	53.0	60	56	306	306/306	59.2	70	63	318	318/318	55.2	60	58	308	308/308	61.4	70	65	320	320/320	
					53.0/53.0	60/60	56/56	306/306	59.2/59.2	70/70	63/63	318/318	55.2/55.2	60/60	58/58	308/308	61.4/61.4	70/70	65/65	320/320					
					68.1/68.1	80/80	76/76	306/306	75.9/75.9	80/80	84/84	318/318	70.9/70.9	80/80	79/79	308/308	78.6/78.6	80/80	86/86	320/320					
					98.2/98.2	100/100	111/111	306/306	106.0/106.0	125/125	118/118	318/318	101.0/101.0	110/110	114/114	308/308	108.7/108.7	125/125	121/121	320/320					
50HC**28	460-3-60	NONE	-	-	55.2	60	58	304	304/304	61.4	70	65	316	316/316	57.4	70	61	306	306/306	63.6	80	68	318	318/318	
					55.2/55.2	60/60	58/58	304/304	61.4/61.4	70/70	65/65	316/316	57.4/57.4	70/70	61/61	306/306	63.6/63.6	80/80	68/68	318/318					
					70.9/70.9	80/80	79/79	304/304	78.6/78.6	80/80	86/86	316/316	73.6/73.6	80/80	82/82	306/306	81.4/81.4	90/90	89/89	318/318					
					101.0/101.0	110/110	114/114	304/304	108.7/108.7	125/125	121/121	316/316	103.7/103.7	125/125	116/116	306/306	111.5/111.5	125/125	123/123	318/318					
50HC**28	460-3-60	NONE	-	-	60.9	70	65	344	344/344	67.1	80	72	356	356/356	63.1	80	67	346	346/346	69.3	80	74	358	358/358	
					60.9/60.9	70/70	65/65	344/344	67.1/67.1	80/80	72/72	356/356	63.1/63.1	80/80	67/67	346/346	69.3/69.3	80/80	74/74	358/358					
					78.0/78.0	90/90	86/86	344/344	85.7/85.7	90/90	93/93	356/356	80.7/80.7	90/90	88/88	346/346	88.5/88.5	100/100	95/95	358/358					
					108.1/108.1	125/125	120/120	344/344	115.8/115.8	125/125	127/127	356/356	110.8/110.8	125/125	123/123	346/346	118.6/118.6	125/125	130/130	358/358					
50HC**28	460-3-60	NONE	-	-	41.0	50	43	228	228/228	45.8	60	48	236	236/236	42.7	50	45	230	230/230	47.5	60	50	238	238/238	
					41.0/41.0	50/50	43/43	228/228	45.8/45.8	60/60	48/48	236/236	42.7/42.7	50/50	45/45	230/230	47.5/47.5	60/60	50/50	238/238					
					67.4/67.4	70/70	62/62	228/228	73.4/73.4	80/80	68/68	236/236	69.5/69.5	70/70	64/64	230/230	75.5/75.5	80/80	69/69	238/238					
					79.4/79.4	90/90	89/89	228/228	85.4/85.4	90/90	95/95	236/236	81.5/81.5	90/90	91/91	230/230	87.5/87.5	90/90	97/97	238/238					
50HC**28	460-3-60	NONE	-	-	42.4	50	45	226	226/226	47.2	60	50	234	234/234	44.1	50	46	228	228/228	48.9	60	52	236	236/236	
					42.4/42.4	50/50	45/45	226/226	47.2/47.2	60/60	50/50	234/234	44.1/44.1	50/50	46/46	228/228	48.9/48.9	60/60	52/52	236/236					
					68.1/68.1	70/70	64/64	226/226	75.1/75.1	80/80	69/69	234/234	71.3/71.3	80/80	66/66	228/228	77.3/77.3	80/80	71/71	236/236					
					81.1/81.1	90/90	91/91	226/226	87.1/87.1	90/90	97/97	234/234	83.2/83.2	90/90	93/93	228/228	89.2/89.2	90/90	99/99	236/236					
50HC**28	460-3-60	NONE	-	-	44.3	50	47	253	253/253	49.1	60	52	261	261/261	46.0	60	49	255	255/255	50.8	60	54	263	263/263	
					44.3/44.3	50/50	47/47	253/253	49.1/49.1	60/60	52/52	261/261	46.0/46.0	60/60	49/49	255/255	50.8/50.8	60/60	54/54	263/263					
					71.5/71.5	80/80	66/66	253/253	77.5/77.5	80/80	71/71	261/261	73.6/73.6	80/80	68/68	255/255	79.6/79.6	80/80	73/73	263/263					
					83.5/83.5	90/90	93/93	253/253	89.5/89.5	90/90	99/99	261/261	85.6/85.6	90/90	95/95	255/255	91.6/91.6	100/100	101/101	263/263					

See: Legend and Notes for Tables 1 - 4 \* on page 19.

## Legend and Notes for Tables 1 - 4

### LEGEND:

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



### NOTES:

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

#### 2. Unbalanced 3-Phase Supply Voltage

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

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

Example: Supply voltage is 230-3-60



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

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

Determine maximum deviation from average voltage.

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

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

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

Maximum deviation is 4 v.

Determine percent of voltage imbalance.

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

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

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

