

**50TC 15 to 27.5 Nominal Tons
Single Package Rooftop
Cooling Only
with Puron® (R-410A) Refrigerant
Sizes: 17-30**



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 50TC size 17 to 30 units manufactured on or after July 30, 2012. To confirm the date of manufacture of a 50TC 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 7th and 8th digits of the Model Number to determine the unit's size (Cooling Tons) and the 17th digit to determine the unit's electrical option(s).

MODEL NUMBER NOMENCLATURE

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

Cooling Tons
17 - 15 ton
20 - 17.5 ton
24 - 20 ton
28 - 25 ton
30 - 27.5 ton

Electrical Options
A = None
C = Non-Fused Disconnect
G = 2-Speed Indoor Fan (VFD) Controller
J = 2-Speed Fan Controller (VFD) and
Non-Fused Disconnect

C12566

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 50TC size 17 to 30 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

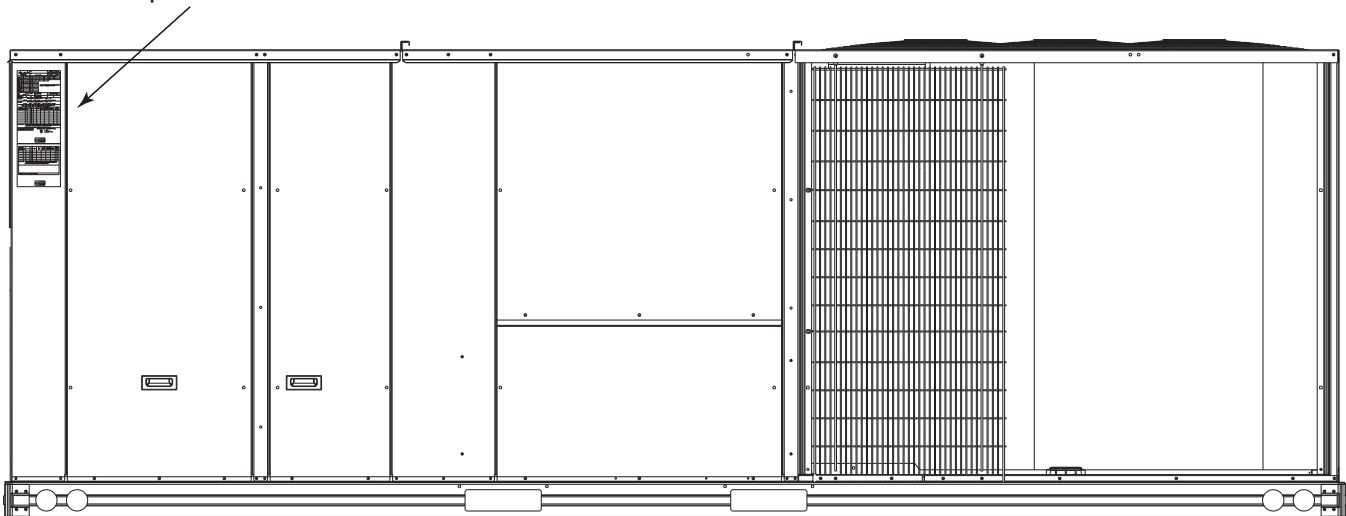


Fig. 1 - Location of Unit Nameplate

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.			
				NO P.E.		w/ P.E. (pwrd fr/unit)		NO P.E.		w/ P.E. (pwrd fr/unit)	
				FUSE or BRKR	MCA	DISC. SIZE FLA LRA	MCA	FUSE or BRKR	MCA	DISC. SIZE FLA LRA	FUSE or BRKR
IFM TYPE	CRHEATER***A00	Nom (kW)	FLA	DISC. SIZE		DISC. SIZE		DISC. SIZE		DISC. SIZE	
				FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA
STD	NONE	–	–	83/83	501	97/97	521	100/100	84.8/84.7	89/89	125/125
	279A00	18.8/25.0	52.1/60.1	83/83	501/501	97/97	521/521	100/110	84.8/91.5	89/89	125/125
	280A00	37.6/50.0	104.2/120.3	129/148	501/501	143/161	521/521	150/150	146.8/136.7	135/153	175/175
	281A00	56.3/75.0	156.4/180.4	190/217	501/501	203/231	521/521	200/225	172.9/196.8	195/223	200/225
MED	NONE	–	–	86	515	99	535	110	87.0	91	125
	279A00	18.8/25.0	52.1/60.1	86/86	515/515	99/99	535/535	110/110	87.0/94.4	91/91	125/125
	280A00	37.6/50.0	104.2/120.3	132/151	515/515	148/164	535/535	150/150	149.5/139.6	138/156	175/175
	281A00	56.3/75.0	156.4/180.4	192/220	515/515	206/233	535/535	200/225	175.7/199.7	198/225	200/225
HIGH	NONE	–	–	89/88	517	103/102	537	125/125	90.0/89.1	95/94	125/125
	279A00	18.8/25.0	52.1/60.1	89/88	517/517	103/102	537/537	125/125	90.0/97.0	95/94	125/125
	280A00	37.6/50.0	104.2/120.3	135/153	517/517	149/167	537/537	175/175	153.3/142.2	141/158	175/175
	281A00	56.3/75.0	156.4/180.4	196/222	517/517	209/236	537/537	200/225	179.4/202.3	201/228	200/250
STD	NONE	–	–	44	251	51	263	60	44.7	47	60
	282A00	25	30.1	44	251	51	263	60	45.6	47	60
	283A00	50	60.1	74	251	81	263	80	68.1	76	80
	284A00	75	90.2	109	251	116	263	100	98.2	111	110
MED	NONE	–	–	45	258	52	270	60	45.8	48	60
	282A00	25	30.1	45	258	52	270	60	47	48	60
	283A00	50	60.1	75	258	82	270	80	69.5	78	80
	284A00	75	90.2	110	258	117	270	110	99.6	112	110
HIGH	NONE	–	–	47	259	54	271	60	46.9	49	60
	282A00	25	30.1	47	259	54	271	60	48.4	49	60
	283A00	50	60.1	76	259	84	271	80	70.9	79	80
	284A00	75	90.2	111	259	118	271	110	101	114	110
STD	NONE	–	–	33	188	39	196	45	33.8	35	50
	285A00	24.8	23.9	33	188	39	196	45	35.5	35	50
	286A00	49.6	47.7	58	188	64	196	70	65.3	60	80
	287A00	74.4	71.6	86	188	91	196	80	77.2	88	90
MED	NONE	–	–	33	188	39	196	45	33.8	35	50
	285A00	24.8	23.9	33	188	39	196	45	35.5	35	50
	286A00	49.6	47.7	58	188	64	196	70	65.3	60	80
	287A00	74.4	71.6	86	188	91	196	80	77.2	88	90
HIGH	NONE	–	–	37	202	42	210	50	36.6	39	50
	285A00	24.8	23.9	37	202	42	210	50	39	39	50
	286A00	49.6	47.7	61	202	67	210	70	68.8	63	80
	287A00	74.4	71.6	89	202	94	210	90	80.7	91	90

See: "Legend and Notes for Tables 1 and 2" on page 13.

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

UNIT	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.						w/ PWRD C.O.					
		CRHEATER***A00	Nom (kW)	FLA	NO P.E.			w/ P.E. (pwrd fr/unit)			NO P.E.			w/ P.E. (pwrd fr/unit)		
					MCA	FUSE or BRKR	DISC. SIZE	MCA	FUSE or BRKR	MCA	FUSE or BRKR	DISC. SIZE	MCA	FUSE or BRKR	DISC. SIZE	FLA
50TC**20	STD	NONE	-	-	82.2	100	86	515	535	99	110	535	87.0	100	91	520
		279A00	18.8/25.0	52.1/60.1	82.2/88.4	100/100	86/88	515/515	535/535	99/99	110/110	535/535	87.0/94.4	100/100	91/91	520/520
		280A00	37.6/50.0	104.2/120.3	143.5/133.6	150/150	132/151	515/515	535/535	146/164	175/175	535/535	149.5/139.6	150/150	138/156	520/520
		281A00	56.3/75.0	156.4/180.4	169.7/193.7	200/225	192/220	515/515	535/535	206/233	200/225	535/535	175.7/199.7	200/225	198/225	520/520
208/230-3-60	MED	NONE	-	-	85.2/84.3	100/100	89/88	517	537	103/102	125/125	537	90.0/89.1	100/100	95/94	522
		279A00	18.8/25.0	52.1/60.1	85.2/91.0	100/100	89/88	517/517	537/537	103/102	125/125	537/537	90.0/97.0	100/100	95/94	522/522
		280A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	517/517	537/537	149/167	175/175	537/537	153.3/142.2	175/175	141/158	522/522
		281A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	517/517	537/537	209/236	200/225	537/537	179.4/202.3	200/225	201/228	522/522
460-3-60	HIGH	NONE	-	-	88.7	100	93	513	533	107	125	533	93.5	110	99	518
		279A00	18.8/25.0	52.1/60.1	88.7/96.5	100/100	93/93	513/513	533/533	107/107	125/125	533/533	93.5/102.5	110/110	99/99	518/518
		280A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	513/513	533/533	153/172	175/175	533/533	157.6/147.7	175/175	145/164	518/518
		281A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	513/513	533/533	213/241	200/250	533/533	183.8/207.8	200/225	205/233	518/518
50TC**20	STD	NONE	-	-	43.6	60	45	258	270	52	60	270	45.8	60	48	260
		282A00	25	30.1	44.3	60	45	258	270	52	60	270	47	60	48	260
		283A00	50	60.1	66.7	80	75	258	270	82	80	270	69.5	80	78	260
		284A00	75	90.2	96.8	100	110	258	270	117	110	270	99.6	110	112	260
460-3-60	MED	NONE	-	-	44.7	60	47	259	271	54	60	271	46.9	60	49	261
		282A00	25	30.1	45.6	60	47	259	271	54	60	271	48.4	60	49	261
		283A00	50	60.1	68.1	80	76	259	271	84	80	271	70.9	80	79	261
		284A00	75	90.2	98.2	100	111	259	271	118	125	271	101	110	114	261
50TC**20	HIGH	NONE	-	-	46.9	60	49	257	269	56	60	269	49.1	60	52	259
		282A00	25	30.1	48.4	60	49	257	269	56	60	269	51.1	60	52	259
		283A00	50	60.1	70.9	80	79	257	269	86	80	269	73.6	80	82	259
		284A00	75	90.2	101	110	114	257	269	121	125	269	103.7	125	116	259
575-3-60	STD	NONE	-	-	32.1	40	33	188	196	39	45	196	33.8	45	35	190
		285A00	24.8	23.9	33.4	40	33	188	196	39	45	196	35.5	45	35	190
		286A00	49.6	47.7	63.1	70	58	188	196	64	70	196	65.3	70	60	190
		287A00	74.4	71.6	75.1	80	86	188	196	91	90	196	77.2	80	88	190
575-3-60	MED	NONE	-	-	34.9	45	37	202	210	42	50	210	36.6	45	39	204
		285A00	24.8	23.9	36.9	45	37	202	210	42	50	210	39	45	39	204
		286A00	49.6	47.7	66.6	70	61	202	210	67	80	210	68.8	70	63	204
		287A00	74.4	71.6	78.6	90	89	202	210	94	90	210	80.7	90	91	204
575-3-60	HIGH	NONE	-	-	36.9	45	39	200	208	44	50	208	38.6	50	41	202
		285A00	24.8	23.9	39.4	45	39	200	208	44	50	208	41.5	50	41	202
		286A00	49.6	47.7	69.1	70	64	200	208	69	80	208	71.3	80	66	202
		287A00	74.4	71.6	81.1	90	91	200	208	97	90	208	83.2	90	93	202

See: "Legend and Notes for Tables 1 and 2" on page 13.

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.					
				NO P.E.			w/ P.E. (pwrd fr/unit)			NO P.E.			w/ P.E. (pwrd fr/unit)		
				MCA	FUSE or BRKR	FLA	DISC. SIZE	MCA	FUSE or BRKR	FLA	DISC. SIZE	MCA	FUSE or BRKR	FLA	DISC. SIZE
		CRHEATER***A00	Nom (kW)	FLA											
STD		NONE	-	-	109.2/108.3	112/111	540	121.0/120.1	150/150	125/124	560	114.0/113.1	150/150	117/116	545
		279A00	18.8/25.0	52.1/60.1	109.2/108.3	112/111	540/540	121.0/120.1	150/150	125/124	560/560	114.0/113.1	150/150	117/116	545/545
		280A00	37.6/50.0	104.2/120.3	147.3/136.2	135/153	540/540	162.0/150.9	175/175	149/167	560/560	153.3/142.2	175/175	141/158	545/545
		281A00	56.3/75.0	156.4/180.4	173.4/196.3	196/222	540/540	188.2/211.0	200/225	209/236	560/560	179.4/202.3	200/225	201/228	545/545
208/230-3-60		NONE	-	-	112.7	116	536	124.5	150	129	556	117.5	150	121	541
		279A00	18.8/25.0	52.1/60.1	112.7/112.7	116/116	536/536	124.5/124.5	150/150	129/129	556/556	117.5/117.5	150/150	121/121	541/541
		280A00	37.6/50.0	104.2/120.3	151.6/141.7	139/158	536/536	166.4/156.4	175/175	153/172	556/556	157.6/147.7	175/175	145/164	541/541
		281A00	56.3/75.0	156.4/180.4	177.8/201.8	200/227	536/536	192.5/216.5	200/250	213/241	556/556	183.8/207.8	200/225	205/233	541/541
HIGH		NONE	-	-	124.1	129	615	135.9	175	142	635	128.9	175	134	620
		279A00	18.8/25.0	52.1/60.1	124.1/124.1	129/129	615/615	135.9/135.9	175/175	142/142	635/635	128.9/128.9	175/175	134/134	620/620
		280A00	37.6/50.0	104.2/120.3	165.9/155.9	153/171	615/615	180.6/170.7	200/175	166/185	635/635	171.9/161.9	175/175	158/177	620/620
		281A00	56.3/75.0	156.4/180.4	192.0/216.0	213/240	615/615	206.8/230.8	225/250	226/254	635/635	198.0/222.0	225/250	218/246	620/620
STD		NONE	-	-	48.0	50	272	54.2	60	57	284	50.2	60	52	274
		282A00	25	30.1	48	50	272	54.2	60	57	284	50.2	60	52	274
		283A00	50	60.1	68.1	76	272	75.9	80	84	284	70.9	80	79	274
		284A00	75	90.2	98.2	111	272	106	125	118	284	101	110	114	274
MED		NONE	-	-	50.2	52	270	56.4	70	59	282	52.4	60	55	272
		282A00	25	30.1	50.2	52	270	56.4	70	59	282	52.4	60	55	272
		283A00	50	60.1	70.9	79	270	78.6	80	86	282	73.6	80	82	272
		284A00	75	90.2	101	114	270	108.7	125	121	282	103.7	125	116	272
HIGH		NONE	-	-	55.9	59	310	62.1	80	66	322	58.1	70	61	312
		282A00	25	30.1	55.9	59	310	63.3	80	66	322	58.3	70	61	312
		283A00	50	60.1	78	86	310	85.7	90	93	322	80.7	90	88	312
		284A00	75	90.2	108.1	120	310	115.8	125	127	322	110.8	125	123	312
STD		NONE	-	-	38.6	40	224	43.4	50	46	232	40.3	50	42	226
		285A00	24.8	23.9	38.6	40	224	43.4	50	46	232	40.3	50	42	226
		286A00	49.6	47.7	66.6	61	224	72.6	80	67	232	68.8	70	63	226
		287A00	74.4	71.6	78.6	89	224	84.6	90	94	232	80.7	90	91	226
MED		NONE	-	-	40.6	42	222	45.4	60	48	230	42.3	50	44	224
		285A00	24.8	23.9	40.6	42	222	45.4	60	48	230	42.3	50	44	224
		286A00	49.6	47.7	68.1	64	222	75.1	80	69	230	71.3	80	66	224
		287A00	74.4	71.6	81.1	91	222	87.1	90	97	230	83.2	90	93	224
HIGH		NONE	-	-	42.5	45	249	47.3	60	50	257	44.2	50	47	251
		285A00	24.8	23.9	42.5	45	249	47.8	60	50	257	44.2	50	47	251
		286A00	49.6	47.7	71.5	66	249	77.5	80	71	257	73.6	80	68	251
		287A00	74.4	71.6	83.5	93	249	89.5	100	99	257	85.6	90	95	251

See: "Legend and Notes for Tables 1 and 2" on page 13.

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.									
				NO P.E.				w/ P.E. (pwrdr fr/unit)				NO P.E.				w/ P.E. (pwrdr fr/unit)				NO P.E.			
				MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE	
						FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
STD		NONE	-	127.8/126.9	175/175	133/132	590	139.6/138.7	175/175	147/146	610	132.6/131.7	175/175	139/138	595	144.4/143.5	175/175	139/138	595	144.4/143.5	175/175	152/151	615
				127.8/126.9	175/175	133/132	590/590	139.6/138.7	175/175	147/146	610/610	132.6/131.7	175/175	139/138	595/595	144.4/143.5	175/175	139/138	595/595	144.4/143.5	175/175	152/151	615/615
				147.3/136.2	175/175	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	141/158	595/595	168.0/156.9	175/175	155/172	615/615
				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	201/228	595/595	194.2/217.0	200/250	215/241	615/615
MED		NONE	-	131.3	175	137	586	143.1	175	151	606	136.1	175	143	591	147.9	175	143	591	147.9	175	156	611
				131.3/131.3	175/175	137/137	586/586	143.1/143.1	175/175	151/151	606/606	136.1/136.1	175/175	143/143	591/591	147.9/147.9	175/175	143/143	591/591	147.9/147.9	175/175	156/156	611/611
				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	145/164	591/591	172.4/162.4	175/175	159/177	611/611
				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	205/233	591/591	198.5/222.5	200/250	219/246	611/611
HIGH		NONE	-	142.7	175	150	665	154.5	200	164	685	147.5	175	156	670	159.3	200	156	670	159.3	200	169	690
				142.7/142.7	175/175	150/150	665/665	154.5/154.5	200/200	164/164	685/685	147.5/147.5	175/175	156/156	670/670	159.3/159.3	200/200	156/156	670/670	159.3/159.3	200/200	169/169	690/690
				165.9/155.9	175/175	153/171	665/665	180.6/170.7	200/200	186/185	685/685	171.9/161.9	175/175	158/177	670/670	186.6/176.7	200/200	158/177	670/670	186.6/176.7	200/200	172/190	690/690
				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	218/246	670/670	212.8/236.8	225/250	218/246	670/670	212.8/236.8	225/250	232/259	690/690
STD		NONE	-	51.9	60	54	302	58.1	70	61	314	54.1	60	57	304	60.3	70	57	304	60.3	70	64	316
				51.9	60	54	302	58.1	70	61	314	54.1	60	57	304	60.3	70	57	304	60.3	70	64	316
				68.1	80	76	302	75.9	80	84	314	70.9	80	79	304	78.6	80	79	304	78.6	80	86	316
				98.2	100	111	302	106	125	118	314	101	110	114	304	108.7	125	114	304	108.7	125	121	316
MED		NONE	-	54.1	60	57	300	60.3	70	64	312	56.3	70	59	302	62.5	80	59	302	62.5	80	66	314
				54.1	60	57	300	60.3	70	64	312	56.3	70	59	302	62.5	80	59	302	62.5	80	66	314
				70.9	80	79	300	78.6	80	86	312	73.6	80	82	302	81.4	90	82	302	81.4	90	89	314
				101	110	114	300	108.7	125	121	312	103.7	125	116	302	111.5	125	116	302	111.5	125	123	314
HIGH		NONE	-	59.8	70	63	340	66.0	80	70	352	62.0	80	66	342	68.2	80	66	342	68.2	80	73	354
				59.8	70	63	340	66	80	70	352	62	80	66	342	68.2	80	66	342	68.2	80	73	354
				78	90	86	340	85.7	90	93	352	80.7	90	88	342	88.5	100	88	342	88.5	100	95	354
				108.1	125	120	340	115.8	125	127	352	110.8	125	123	342	118.6	125	123	342	118.6	125	130	354
STD		NONE	-	41.1	50	43	244	45.9	60	49	252	42.8	50	45	246	47.6	60	45	246	47.6	60	50	254
				41.1	50	43	244	45.9	60	49	252	42.8	50	45	246	47.6	60	45	246	47.6	60	50	254
				66.6	70	61	244	72.6	80	67	252	68.8	70	63	246	74.8	80	63	246	74.8	80	69	254
				78.6	90	89	244	84.6	90	94	252	80.7	90	91	246	86.7	90	91	246	86.7	90	96	254
MED		NONE	-	43.1	50	45	242	47.9	60	51	250	44.8	50	47	244	49.6	60	47	244	49.6	60	53	252
				43.1	50	45	242	47.9	60	51	250	44.8	50	47	244	49.6	60	47	244	49.6	60	53	252
				69.1	70	64	242	75.1	80	69	250	71.3	80	66	244	77.3	80	66	244	77.3	80	71	252
				81.1	90	91	242	87.1	90	97	250	83.2	90	93	244	89.2	90	93	244	89.2	90	99	252
HIGH		NONE	-	45.0	50	47	269	49.8	60	53	277	46.7	60	49	271	51.5	60	49	271	51.5	60	55	279
				45	50	47	269	49.8	60	53	277	46.7	60	49	271	51.5	60	49	271	51.5	60	55	279
				71.5	80	66	269	77.5	80	71	277	73.6	80	68	271	79.6	80	68	271	79.6	80	73	279
				83.5	90	93	269	89.5	100	99	277	85.6	90	95	271	91.6	100	95	271	91.6	100	101	279

See: "Legend and Notes for Tables 1 and 2" on page 13.

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 P.E.				w/ P.E. (pwrdr fr/unit)				NO P.E.				w/ P.E. (pwrdr fr/unit)				
					MCA	FUSE or HACR BRKR	FLA	LRA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	LRA	DISC. SIZE	MCA	FUSE or HACR BRKR	FLA	LRA	DISC. SIZE	MCA	FUSE or HACR BRKR
STD	208/230-3-60	NONE	-	-	141.5	175	148	702	702	153.3	200	162	722	146.3	175	154	707	158.1	200	167	727
		279A00	18.8/25.0	52.1/60.1	141.5/141.5	175/175	148/148	702/702	702/702	153.3/153.3	200/200	162/162	722/722	146.3/146.3	175/175	154/154	707/707	158.1/158.1	200/200	167/167	727/727
		280A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	148/158	702/702	702/702	166.4/156.4	200/200	162/172	722/722	157.6/147.7	175/175	154/164	707/707	172.4/162.4	200/200	167/177	727/727
		281A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	702/702	702/702	192.5/216.5	200/250	213/241	722/722	183.8/207.8	200/225	205/233	707/707	198.5/222.5	200/250	219/246	727/727
MED	208/230-3-60	NONE	-	-	152.9	200	161	781	781	164.7	200	175	801	157.7	200	167	786	169.5	200	180	806
		279A00	18.8/25.0	52.1/60.1	152.9/152.9	200/200	161/161	781/781	781/781	164.7/164.7	200/200	175/175	801/801	157.7/157.7	200/200	167/167	786/786	169.5/169.5	200/200	180/180	806/806
		280A00	37.6/50.0	104.2/120.3	165.9/155.9	200/200	161/171	781/781	781/781	180.6/170.7	200/200	175/185	801/801	171.9/161.9	200/200	167/177	786/786	186.6/176.7	200/200	180/190	806/806
		281A00	56.3/75.0	156.4/180.4	192.0/216.0	200/250	213/240	781/781	781/781	206.8/230.8	225/250	226/254	801/801	198.0/222.0	225/250	218/246	786/786	212.8/236.8	225/250	232/259	806/806
HIGH	208/230-3-60	NONE	-	-	154.8	200	163	812	812	166.6	200	177	832	159.6	200	169	817	171.4	200	182	837
		279A00	18.8/25.0	52.1/60.1	154.8/154.8	200/200	163/163	812/812	812/812	166.6/166.6	200/200	177/177	832/832	159.6/159.6	200/200	169/169	817/817	171.4/171.4	200/200	182/182	837/837
		280A00	37.6/50.0	104.2/120.3	168.3/158.3	200/200	163/173	812/812	812/812	183.0/173.1	200/200	177/187	832/832	174.3/164.3	200/200	169/179	817/817	189.0/179.1	200/200	182/192	837/837
		281A00	56.3/75.0	156.4/180.4	194.4/218.4	225/250	215/242	812/812	812/812	209.2/233.2	225/250	228/256	832/832	200.4/224.4	225/250	220/248	817/817	215.2/239.2	225/250	234/262	837/837
STD	460-3-60	NONE	-	-	66.0	80	69	354	354	72.2	90	76	366	68.2	90	72	356	74.4	90	79	368
		282A00	25	30.1	66	80	69	354	354	72.2	90	76	366	68.2	90	72	356	74.4	90	79	368
		283A00	50	60.1	70.9	80	79	354	354	78.6	90	86	366	73.6	90	82	356	81.4	90	89	368
		284A00	75	90.2	101	110	114	354	354	108.7	125	121	366	103.7	125	116	356	111.5	125	123	368
MED	460-3-60	NONE	-	-	71.7	90	76	394	394	77.9	100	83	406	73.9	90	78	396	80.1	100	85	408
		282A00	25	30.1	71.7	90	76	394	394	77.9	100	83	406	73.9	90	78	396	80.1	100	85	408
		283A00	50	60.1	78	90	86	394	394	85.7	100	93	406	80.7	90	88	396	88.5	100	95	408
		284A00	75	90.2	108.1	125	120	394	394	115.8	125	127	406	110.8	125	123	396	118.6	125	130	408
HIGH	460-3-60	NONE	-	-	72.6	90	77	409	409	78.8	100	84	421	74.8	90	79	411	81.0	100	86	423
		282A00	25	30.1	72.6	90	77	409	409	78.8	100	84	421	74.8	90	79	411	81	100	86	423
		283A00	50	60.1	79.1	90	87	409	409	86.9	100	94	421	81.9	90	89	411	89.6	100	96	423
		284A00	75	90.2	109.2	125	121	409	409	117	125	128	421	112	125	124	411	119.7	125	131	423
STD	575-3-60	NONE	-	-	56.0	70	59	264	264	60.8	80	64	272	57.7	70	61	266	62.5	80	66	274
		285A00	24.8	23.9	56	70	59	264	264	60.8	80	64	272	57.7	70	61	266	62.5	80	66	274
		286A00	49.6	47.7	69.1	70	64	264	264	75.1	80	69	272	71.3	80	66	266	77.3	80	71	274
		287A00	74.4	71.6	81.1	90	91	264	264	87.1	90	97	272	83.2	90	93	266	89.2	90	99	274
MED	575-3-60	NONE	-	-	57.9	70	61	291	291	62.7	80	66	299	59.6	70	63	293	64.4	80	68	301
		285A00	24.8	23.9	57.9	70	61	291	291	62.7	80	66	299	59.6	70	63	293	64.4	80	68	301
		286A00	49.6	47.7	71.5	80	66	291	291	77.5	80	71	299	73.6	80	68	293	79.6	80	73	301
		287A00	74.4	71.6	83.5	90	93	291	291	89.5	100	99	299	85.6	90	95	293	91.6	100	101	301
HIGH	575-3-60	NONE	-	-	60.8	80	64	302	302	65.6	80	70	310	62.5	80	66	304	67.3	80	72	312
		285A00	24.8	23.9	60.8	80	64	302	302	65.6	80	70	310	62.5	80	66	304	67.3	80	72	312
		T286A00	49.6	47.7	75.1	80	69	302	302	81.1	90	75	310	77.3	80	71	304	83.3	90	77	312
		287A00	74.4	71.6	87.1	100	97	302	302	93.1	100	102	310	89.2	100	99	304	95.2	100	104	312

See: "Legend and Notes for Tables 1 and 2" on page 13.

50TC**17-30

Table 2 – Unit Wire/Fuse or HACR Breaker Sizing Data with Factory Installed 2 Speed Indoor Fan Option

UNIT	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		CRHEATER***A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)				NO P.E.				w/ P.E. (pwrd fr/unit)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
					MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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See: "Legend and Notes for Tables 1 and 2" on page 13.

Table 2 - 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/ P.E. (pwrdr fr/unit)						w/ PWRD C.O.						
		CRHEATER***A00	Nom (kW)	FLA	NO P.E.			w/ P.E. (pwrdr fr/unit)			NO P.E.			w/ P.E. (pwrdr fr/unit)			NO P.E.			w/ PWRD C.O.			
					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
STD		NONE	-	-	82.4/81.4	100/100	86/85	506	100/99	526	100/99	526	100/99	526	100/100	87.2/86.2	100/100	92/91	511	99.0/98.0	125/125	105/104	531
		279A00	18.8/25.0	52.1/60.1	82.4/87.4	100/100	86/85	506/506	110/110	526/526	100/99	526/526	110/110	526/526	100/100	87.2/93.4	100/100	92/91	511/511	99.4/108.1	125/125	105/104	531/531
		280A00	37.6/50.0	104.2/120.3	143.8/132.6	150/150	132/150	506/506	175/175	526/526	146/163	526/526	158.5/147.3	175/175	149.8/138.6	150/150	164.5/153.3	138/155	511/511	164.5/153.3	175/175	151/169	531/531
		281A00	56.3/75.0	156.4/180.4	169.9/192.7	200/225	192/219	506/506	200/225	526/526	206/232	526/526	184.7/207.4	200/225	175.9/198.7	200/225	190.7/213.4	200/225	198/224	511/511	190.7/213.4	200/225	211/238
MED	208/230-3-60	NONE	-	-	85.2/84.3	100/100	89/88	517	103/102	537	103/102	537	103/102	537	100/100	90.0/89.1	100/100	95/94	522	101.8/100.9	125/125	108/107	542
		279A00	18.8/25.0	52.1/60.1	85.2/91.0	100/100	89/88	517/517	125/125	537/537	103/102	537/537	97.0/105.8	125/125	90.0/97.0	100/100	95/94	522/522	102.9/111.8	125/125	108/107	542/542	
		280A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	517/517	175/175	537/537	149/167	537/537	162.0/150.9	175/175	153.3/142.2	175/175	141/158	522/522	168.0/156.9	175/175	155/172	542/542	
		281A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	517/517	200/225	537/537	209/236	537/537	188.2/211.0	200/225	179.4/202.3	200/225	194.2/217.0	200/225	201/228	522/522	194.2/217.0	200/250	542/542
HIGH		NONE	-	-	88.7	100	93	513	107	533	107	533	100.5	110	93.5	110	99	518	105.3	125	112	538	
		279A00	18.8/25.0	52.1/60.1	88.7/96.5	100/100	93/93	513/513	125/125	533/533	107/107	533/533	101.3/111.3	125/125	93.5/102.5	110/110	99/99	518/518	107.3/117.3	125/125	112/112	538/538	
		280A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	513/513	175/175	533/533	153/172	533/533	166.4/156.4	175/175	157.6/147.7	175/175	145/164	518/518	172.4/162.4	175/175	159/177	538/538	
		281A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	513/513	200/250	533/533	213/241	533/533	192.5/216.5	200/250	183.8/207.8	200/225	198.5/222.5	205/233	518/518	198.5/222.5	200/250	219/246	538/538
STD		NONE	-	-	43.2	50	45	254	60	266	52	266	45.4	60	45.4	60	47	256	51.6	60	55	268	
		282A00	25.0	30.1	43.8	50	45	254	60	266	52	266	51.5	60	46.5	60	47	256	54.3	60	55	268	
		283A00	50.0	60.1	66.2	80	75	254	80	266	82	266	74.0	80	69.0	80	77	256	76.7	80	84	268	
		284A00	75.0	90.2	96.3	100	109	254	110	266	116	266	104.1	110	99.1	100	112	256	106.8	110	119	268	
MED	460-3-60	NONE	-	-	44.7	60	47	259	60	271	54	271	46.9	60	46.9	60	49	261	53.1	60	56	273	
		282A00	25.0	30.1	45.6	60	47	259	60	271	54	271	53.4	60	48.4	60	49	261	56.1	60	56	273	
		283A00	50.0	60.1	68.1	80	76	259	80	271	84	271	75.9	80	70.9	80	79	261	78.6	80	86	273	
		284A00	75.0	90.2	98.2	100	111	259	125	271	118	271	106.0	125	101.0	110	114	261	108.7	125	121	273	
HIGH		NONE	-	-	46.9	60	49	257	60	269	56	269	49.1	60	49.1	60	52	259	55.3	60	59	271	
		282A00	25.0	30.1	48.4	60	49	257	60	269	56	269	51.1	60	51.1	60	52	259	58.9	60	59	271	
		283A00	50.0	60.1	70.9	80	79	257	80	269	86	269	78.6	80	73.6	80	82	259	81.4	90	89	271	
		284A00	75.0	90.2	101.0	110	114	257	125	269	121	269	108.7	125	103.7	125	116	259	111.5	125	123	271	
STD		NONE	-	-	33.8	45	35	188	50	196	41	196	35.5	45	35.5	45	37	190	40.3	50	43	198	
		285A00	24.8	23.9	35.5	45	35	188	50	196	41	196	41.5	50	37.6	45	37	190	43.6	50	43	198	
		286A00	49.6	47.7	65.3	70	60	188	80	196	66	196	71.3	80	67.4	70	62	190	73.4	80	68	198	
		287A00	74.4	71.6	77.2	90	88	188	90	196	93	196	83.2	90	79.4	90	89	190	85.4	90	95	198	
MED	575-3-60	NONE	-	-	35.5	45	37	202	50	210	43	210	40.3	50	37.2	45	39	204	42.0	50	45	212	
		285A00	24.8	23.9	37.6	45	37	202	50	210	43	210	43.6	50	39.8	45	39	204	45.8	50	45	212	
		286A00	49.6	47.7	67.4	70	62	202	80	210	68	210	73.4	80	69.5	70	64	204	75.5	80	69	212	
		287A00	74.4	71.6	79.4	90	89	202	90	210	95	210	85.4	90	81.5	90	91	204	87.5	90	97	212	
HIGH		NONE	-	-	36.9	45	39	200	50	208	44	208	41.7	50	38.6	50	41	202	43.4	50	46	210	
		285A00	24.8	23.9	39.4	45	39	200	50	208	44	208	45.4	50	41.5	50	41	202	47.5	50	46	210	
		286A00	49.6	47.7	69.1	70	64	200	80	208	69	208	75.1	80	71.3	80	66	202	77.3	80	71	210	
		287A00	74.4	71.6	81.1	90	91	200	90	208	97	208	87.1	90	83.2	90	93	202	89.2	90	99	210	

See: "Legend and Notes for Tables 1 and 2" on page 13.

50TC**17-30

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

UNIT	IFM TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.						w/ P.E. (pwrd fr/unit)						w/ PWRD C.O.					
		CRHEATER***A00	Nom (kW)	FLA	MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE		
							FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA	
	STD	NONE	-	-	109.2/108.3	150/150	112/111	540	121.0/120.1	150/150	125/124	560	114.0/113.1	150/150	117/116	545	125.8/124.9	150/150	131/130	565	
		279A00	18.8/25.0	52.1/80.1	109.2/108.3	150/150	112/111	540/540	121.0/120.1	150/150	125/124	560/560	114.0/113.1	150/150	117/116	545/545	125.8/124.9	150/150	131/130	565/565	
		280A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	540/540	162.0/150.9	175/175	149/167	560/560	153.3/142.2	175/175	141/158	545/545	168.0/156.9	175/175	155/172	565/565	
		281A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	540/540	188.2/211.0	200/225	209/236	560/560	179.4/202.3	200/225	201/228	545/545	194.2/217.0	200/250	215/241	565/565	
		NONE	-	-	112.7	150	116	536	124.5	150	129	556	117.5	150	121	541	129.3	175	135	561	
	MED	279A00	18.8/25.0	52.1/80.1	112.7/112.7	150/150	116/116	536/536	124.5/124.5	150/150	129/129	556/556	117.5/117.5	150/150	121/121	541/541	129.3/129.3	175/175	135/135	561/561	
		280A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	536/536	166.4/156.4	175/175	153/172	556/556	157.6/147.7	175/175	145/164	541/541	172.4/162.4	175/175	159/177	561/561	
		281A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	536/536	192.5/216.5	200/250	213/241	556/556	183.8/207.8	200/225	205/233	541/541	198.5/222.5	200/250	219/246	561/561	
		NONE	-	-	124.1	150	129	615	135.9	175	142	635	128.9	175	134	620	140.7	175	148	640	
		279A00	18.8/25.0	52.1/80.1	124.1/124.1	150/150	129/129	615/615	135.9/135.9	175/175	142/142	635/635	128.9/128.9	175/175	134/134	620/620	140.7/140.7	175/175	148/148	640/640	
	HIGH	280A00	37.6/50.0	104.2/120.3	165.9/155.9	175/175	153/171	615/615	180.6/170.7	200/175	166/185	635/635	171.9/161.9	175/175	158/177	620/620	186.6/176.7	200/200	172/190	640/640	
		281A00	56.3/75.0	156.4/180.4	192.0/216.0	200/250	213/240	615/615	206.8/230.8	225/250	226/254	635/635	198.0/222.0	225/250	218/246	620/620	212.8/236.8	225/250	232/259	640/640	
		NONE	-	-	48.0	60	50	272	54.2	60	57	284	50.2	60	52	274	56.4	70	59	286	
		282A00	25.0	30.1	48.0	60	50	272	54.2	60	57	284	50.2	60	52	274	56.4	70	59	286	
		283A00	50.0	60.1	68.1	80	76	272	75.9	80	84	284	70.9	80	79	274	78.6	80	86	286	
50TC**24	STD	284A00	75.0	90.2	98.2	100	111	272	106.0	125	118	284	101.0	110	114	274	108.7	125	121	286	
		NONE	-	-	50.2	60	52	270	56.4	70	59	282	52.4	60	55	272	58.6	70	62	284	
		282A00	25.0	30.1	50.2	60	52	270	56.4	70	59	282	52.4	60	55	272	58.9	70	62	284	
		283A00	50.0	60.1	70.9	80	79	270	78.6	80	86	282	73.6	80	82	272	81.4	90	89	284	
		284A00	75.0	90.2	101.0	110	114	270	108.7	125	121	282	103.7	125	116	272	111.5	125	123	284	
	HIGH	NONE	-	-	55.9	70	59	310	62.1	80	66	322	58.1	70	61	312	64.3	80	69	324	
		282A00	25.0	30.1	55.9	70	59	310	63.3	80	66	322	58.3	70	61	312	66.0	80	69	324	
		283A00	50.0	60.1	78.0	90	86	310	85.7	90	93	322	80.7	90	88	312	88.5	100	95	324	
		284A00	75.0	90.2	108.1	125	120	310	115.8	125	127	322	110.8	125	123	312	118.6	125	130	324	
		NONE	-	-	38.2	50	41	224	44.0	50	46	232	40.9	50	43	226	45.7	60	48	234	
	STD	285A00	24.8	23.9	39.2	50	41	224	44.0	50	46	232	40.9	50	43	226	45.8	60	48	234	
		286A00	49.6	47.7	67.4	70	62	224	73.4	80	68	232	69.5	70	64	226	75.5	80	69	234	
		287A00	74.4	71.6	79.4	90	89	224	85.4	90	95	232	81.5	90	91	226	87.5	90	97	234	
		NONE	-	-	40.6	50	42	222	45.4	60	48	230	42.3	50	44	224	47.1	60	50	232	
		285A00	24.8	23.9	40.6	50	42	222	45.4	60	48	230	42.3	50	44	224	47.5	60	50	232	
	MED	286A00	49.6	47.7	69.1	70	64	222	75.1	80	69	230	71.3	80	66	224	77.3	80	71	232	
		287A00	74.4	71.6	81.1	90	91	222	87.1	90	97	230	83.2	90	93	224	89.2	90	99	232	
		NONE	-	-	42.5	50	45	249	47.3	60	50	257	44.2	50	47	251	49.0	60	52	259	
		285A00	24.8	23.9	42.5	50	45	249	47.8	60	50	257	44.2	50	47	251	49.9	60	52	259	
		286A00	49.6	47.7	71.5	80	66	249	77.5	80	71	257	73.6	80	68	251	79.6	80	73	259	
50TC**24	HIGH	287A00	74.4	71.6	83.5	90	93	249	89.5	100	99	257	85.6	90	95	251	91.6	100	101	259	
		NONE	-	-	42.5	50	45	249	47.3	60	50	257	44.2	50	47	251	49.0	60	52	259	
		285A00	24.8	23.9	42.5	50	45	249	47.8	60	50	257	44.2	50	47	251	49.9	60	52	259	
		286A00	49.6	47.7	71.5	80	66	249	77.5	80	71	257	73.6	80	68	251	79.6	80	73	259	
		287A00	74.4	71.6	83.5	90	93	249	89.5	100	99	257	85.6	90	95	251	91.6	100	101	259	

See: "Legend and Notes for Tables 1 and 2" on page 13.

Table 2 - Unit Wire/Fuse or HACR Breaker 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 P.E.					w/ P.E. (pwrdr fr/unit)					NO P.E.					w/ P.E. (pwrdr fr/unit)				
						MCA	FUSE or BRKR	DISC. SIZE		MCA	FUSE or BRKR	DISC. SIZE		MCA	FUSE or BRKR	DISC. SIZE		MCA	FUSE or BRKR	DISC. SIZE					
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA	FLA	LRA		
STD			NONE	-	-	127.8/126.9	175/175	133/132	590	139.6/138.7	175/175	147/146	610	132.6/131.7	175/175	139/138	595	144.4/143.5	175/175	152/151	615	152/151	615/615		
			279A00	18.8/25.0	52.1/60.1	127.8/126.9	175/175	133/132	590/590	139.6/138.7	175/175	147/146	610/610	132.6/131.7	175/175	139/138	595/595	144.4/143.5	175/175	152/151	615/615	152/151	615/615		
			280A00	37.6/50.0	104.2/120.3	147.3/136.2	175/175	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	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	215/241	615/615		
MED	208/230-3-60		NONE	-	-	131.3	175	137	586	143.1	175	151	606	136.1	175	143	591	147.9	175	156	611	156	611		
			279A00	18.8/25.0	52.1/60.1	131.3/131.3	175/175	137/137	586/586	143.1/143.1	175/175	151/151	606/606	136.1/136.1	175/175	143/143	591/591	147.9/147.9	175/175	156/156	611/611	156/156	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	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	219/246	611/611		
HIGH			NONE	-	-	142.7	175	150	665	154.5	200	164	685	147.5	175	156	670	159.3	200	169	690	169	690		
			279A00	18.8/25.0	52.1/60.1	142.7/142.7	175/175	150/150	665/665	154.5/154.5	200/200	164/164	685/685	147.5/147.5	175/175	156/156	670/670	159.3/159.3	200/200	169/169	690/690	169/169	690/690		
			280A00	37.6/50.0	104.2/120.3	165.9/155.9	175/175	153/171	665/665	180.6/170.7	200/200	166/185	685/685	171.9/161.9	175/175	158/177	670/670	186.6/176.7	200/200	172/190	690/690	172/190	690/690		
			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	218/246	670/670	212.8/236.8	225/250	232/259	690/690	232/259	690/690		
STD			NONE	-	-	51.9	60	54	302	58.1	70	61	314	54.1	60	57	304	60.3	70	64	316	64	316		
			282A00	25.0	30.1	51.9	60	54	302	58.1	70	61	314	54.1	60	57	304	60.3	70	64	316	64	316		
			283A00	50.0	60.1	68.1	80	76	302	75.9	80	84	314	70.9	80	79	304	78.6	80	86	316	86	316		
			284A00	75.0	90.2	98.2	100	111	302	106.0	125	118	314	101.0	110	114	304	108.7	125	121	316	121	316		
MED	460-3-60		NONE	-	-	54.1	60	57	300	60.3	70	64	312	56.3	70	59	302	62.5	80	66	314	66	314		
			282A00	25.0	30.1	54.1	60	57	300	60.3	70	64	312	56.3	70	59	302	62.5	80	66	314	66	314		
			283A00	50.0	60.1	70.9	80	79	300	78.6	80	86	312	73.6	80	82	302	81.4	90	89	314	89	314		
			284A00	75.0	90.2	101.0	110	114	300	108.7	125	121	312	103.7	125	116	302	111.5	125	123	314	123	314		
HIGH			NONE	-	-	59.8	70	63	340	66.0	80	70	352	62.0	80	66	342	68.2	80	73	354	73	354		
			282A00	25.0	30.1	59.8	70	63	340	66.0	80	70	352	62.0	80	66	342	68.2	80	73	354	73	354		
			283A00	50.0	60.1	78.0	90	86	340	85.7	90	93	352	80.7	90	88	342	88.5	100	95	354	95	354		
			284A00	75.0	90.2	108.1	125	120	340	115.8	125	127	352	110.8	125	123	342	118.6	125	130	354	130	354		
STD			NONE	-	-	41.7	50	44	244	46.5	60	49	252	43.4	50	46	246	48.2	60	51	254	51	254		
			285A00	24.8	23.9	41.7	50	44	244	46.5	60	49	252	43.4	50	46	246	48.2	60	51	254	51	254		
			286A00	49.6	47.7	67.4	70	62	244	73.4	80	68	252	69.5	70	64	246	75.5	80	69	254	69	254		
			287A00	74.4	71.6	79.4	90	89	244	85.4	90	95	252	81.5	90	91	246	87.5	90	97	254	97	254		
MED	575-3-60		NONE	-	-	43.1	50	45	242	47.9	60	51	250	44.8	50	47	244	49.6	60	53	252	53	252		
			285A00	24.8	23.9	43.1	50	45	242	47.9	60	51	250	44.8	50	47	244	49.6	60	53	252	53	252		
			286A00	49.6	47.7	68.1	70	64	242	75.1	80	69	250	71.3	80	66	244	77.3	80	71	252	71	252		
			287A00	74.4	71.6	81.1	90	91	242	87.1	90	97	250	83.2	90	93	244	89.2	90	99	252	99	252		
HIGH			NONE	-	-	45.0	50	47	269	49.8	60	53	277	46.7	60	49	271	51.5	60	55	279	55	279		
			285A00	24.8	23.9	45.0	50	47	269	49.8	60	53	277	46.7	60	49	271	51.5	60	55	279	55	279		
			286A00	49.6	47.7	71.5	80	66	269	77.5	80	71	277	73.6	80	68	271	79.6	80	73	279	73	279		
			287A00	74.4	71.6	83.5	90	93	269	89.5	100	99	277	85.6	90	95	271	91.6	100	101	279	101	279		

See: "Legend and Notes for Tables 1 and 2" on page 13.

50TC**17-30

Table 2 - 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.					
		CR-HEATER***A00	Nom (kW)	FLA	NO P.E.			w/ P.E. (pwrd fr/unit)			NO P.E.			w/ P.E. (pwrd fr/unit)		
					MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	DISC. SIZE
50TC**30	STD	NONE	-	-	141.5	175	148 702	153.3	200	162 722	175	154 707	158.1	200	167 727	727
		279A00	18.8/25.0	52.1/60.1	141.5/141.5	175/175	148/148 702/702	153.3/153.3	200/200	162/162 722/722	175/175	154/154 707/707	158.1/158.1	200/200	167/167 727/727	727/727
		280A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	148/158 702/702	166.4/156.4	200/200	162/172 722/722	175/175	154/164 707/707	172.4/162.4	200/200	167/177 727/727	727/727
		281A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227 702/702	192.5/216.5	200/250	213/241 722/722	200/225	205/233 707/707	198.5/222.5	200/250	219/246 727/727	727/727
208/230-3-60	MED	NONE	-	-	152.9	200	161 781	164.7	200	175 801	200	167 786	169.5	200	180 806	806
		279A00	18.8/25.0	52.1/60.1	152.9/152.9	200/200	161/161 781/781	164.7/164.7	200/200	175/175 801/801	200/200	167/167 786/786	169.5/169.5	200/200	180/180 806/806	806/806
		280A00	37.6/50.0	104.2/120.3	165.9/155.9	200/200	161/171 781/781	180.6/170.7	200/200	175/185 801/801	200/200	167/177 786/786	186.6/176.7	200/200	180/190 806/806	806/806
		281A00	56.3/75.0	156.4/180.4	192.0/216.0	200/250	213/240 781/781	206.8/230.8	225/250	226/254 801/801	225/250	218/246 786/786	212.8/236.8	225/250	232/259 806/806	806/806
460-3-60	HIGH	NONE	-	-	154.8	200	163 812	166.6	200	177 832	200	169 817	171.4	200	182 837	837
		279A00	18.8/25.0	52.1/60.1	154.8/154.8	200/200	163/163 812/812	166.6/166.6	200/200	177/177 832/832	200/200	169/169 817/817	171.4/171.4	200/200	182/182 837/837	837/837
		280A00	37.6/50.0	104.2/120.3	168.3/158.3	200/200	163/173 812/812	183.0/173.1	200/200	177/187 832/832	200/200	169/179 817/817	189.0/179.1	200/200	182/192 837/837	837/837
		281A00	56.3/75.0	156.4/180.4	194.4/218.4	225/250	215/242 812/812	209.2/233.2	225/250	228/256 832/832	225/250	220/248 817/817	215.2/239.2	225/250	234/262 837/837	837/837
50TC**30	STD	NONE	-	-	66.0	80	69 354	72.2	90	76 366	90	72 356	74.4	90	79 368	368
		282A00	25.0	30.1	66.0	80	69 354	72.2	90	76 366	90	72 356	74.4	90	79 368	368
		283A00	50.0	60.1	70.9	80	79 354	78.6	90	86 366	90	82 356	81.4	90	89 368	368
		284A00	75.0	90.2	101.0	110	114 354	108.7	125	121 366	125	116 356	111.5	125	123 368	368
460-3-60	MED	NONE	-	-	71.7	90	76 394	77.9	100	83 406	90	78 396	80.1	100	85 408	408
		282A00	25.0	30.1	71.7	90	76 394	77.9	100	83 406	90	78 396	80.1	100	85 408	408
		283A00	50.0	60.1	78.0	90	86 394	85.7	100	93 406	90	88 396	88.5	100	95 408	408
		284A00	75.0	90.2	108.1	125	120 394	115.8	125	127 406	125	123 396	118.6	125	130 408	408
50TC**30	HIGH	NONE	-	-	72.6	90	77 409	78.8	100	84 421	90	79 411	81.0	100	86 423	423
		282A00	25.0	30.1	72.6	90	77 409	78.8	100	84 421	90	79 411	81.0	100	86 423	423
		283A00	50.0	60.1	79.1	90	87 409	86.9	100	94 421	90	89 411	89.6	100	96 423	423
		284A00	75.0	90.2	109.2	125	121 409	117.0	125	128 421	125	124 411	119.7	125	131 423	423
575-3-60	STD	NONE	-	-	56.0	70	59 264	60.8	80	64 272	70	61 266	62.5	80	66 274	274
		285A00	24.8	23.9	56.0	70	59 264	60.8	80	64 272	70	61 266	62.5	80	66 274	274
		286A00	49.6	47.7	69.1	70	64 264	75.1	80	69 272	80	66 266	77.3	80	71 274	274
		287A00	74.4	71.6	81.1	90	91 264	87.1	90	97 272	90	93 266	89.2	90	99 274	274
575-3-60	MED	NONE	-	-	57.9	70	61 291	62.7	80	66 299	70	63 293	64.4	80	68 301	301
		285A00	24.8	23.9	57.9	70	61 291	62.7	80	66 299	70	63 293	64.4	80	68 301	301
		286A00	49.6	47.7	71.5	80	66 291	77.5	80	71 299	80	68 293	79.6	80	73 301	301
		287A00	74.4	71.6	83.5	90	93 291	89.5	100	99 299	90	95 293	91.6	100	101 301	301
50TC**30	HIGH	NONE	-	-	60.8	80	64 302	65.6	80	70 310	80	66 304	67.3	80	72 312	312
		285A00	24.8	23.9	60.8	80	64 302	65.6	80	70 310	80	66 304	67.3	80	72 312	312
		286A00	49.6	47.7	75.1	80	69 302	81.1	90	75 310	80	71 304	83.3	90	77 312	312
		287A00	74.4	71.6	87.1	100	97 302	93.1	100	102 310	100	99 304	95.2	100	104 312	312

See: "Legend and Notes for Tables 1 and 2" on page 13.

Legend and Notes for Tables 1 and 2

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:

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.

