

**48/50TC 15 to 25 Nominal Tons
Single Package Rooftop
Gas Heating/Electric Cooling Unit
& Cooling Only/Electric Heat Unit
with Puron® (R-410A) Refrigerant
Sizes: 17, 20, 25, 29**



Electrical Data Supplement

FOR MODELS PRODUCED ON OR AFTER APRIL 18, 2016 ONLY!

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

This supplement only applies to 48/50TC size 17, 20, 25, and 29 units manufactured on or after April 18, 2016. To confirm the date of manufacture of the unit, locate the unit nameplate and check the first four digits of the Serial Number which is located directly below the unit's Model Number at the top of the nameplate. If the number listed in the first 4 digits of the Serial Number is 1716 or higher KEEP THIS DOCUMENT and use it along with the furnished Installation Instructions.

SERIAL NUMBER NOMENCLATURE

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

Week of manufacture (fiscal calendar)										Sequence number
Year of manufacture ("16" = 2016)										

										Manufacturing location
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C160040

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/NFPA 70, National Electrical Code (NEC); in Canada, CSA C22.1) for special requirements.

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

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

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

CAUTION

ELECTRICAL HAZARD

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

The electrical data contained in this document is only for use with 48/50TC size 17, 20, 25, and 29 units manufactured on or after April 18, 2016. Check the first 4 digits of the unit's Serial Number (located on the unit's nameplate); if the number listed is 1716 or higher keep this document.

WARNING

ELECTRICAL SHOCK HAZARD

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

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

Table 1 – 48TC 17-25 Unit Wire/Fuse or HACR Breaker Sizing Data - Single-Speed Indoor Fan Motor

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.						w/ PWRD C.O.									
			NO PE.			w/ PE. (pwrd fr/ unit)			NO PE.			w/ PWRD C.O.						
			MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA				
48TC**17	208/230-3-60	STD	78.0/77.9	100/100	81/81	515	89.8/89.7	100/100	95/95	535	82.8/82.7	100/100	87/87	520	94.6/94.5	110/110	100/100	540
		MED	80.2	100	84	529	92.0	100	97	549	85.0	100	89	534	96.8	125	103	554
		HIGH	83.2/82.3	100/100	87/86	531	95.0/94.1	110/110	101/100	551	88.0/87.1	100/100	93/92	536	99.8/98.9	125/125	106/105	556
	460-3-60	STD	40.0	50	42	267	46.2	60	49	279	42.2	50	44	269	48.4	60	51	281
		MED	41.1	50	43	274	47.3	60	50	286	43.3	50	46	276	49.5	60	53	288
		HIGH	42.2	50	44	275	48.4	60	51	287	44.4	50	47	277	50.6	60	54	289
	575-3-60	STD	31.2	40	32	202	36.0	45	38	210	32.9	45	34	204	37.7	45	40	212
		MED	31.2	40	32	202	36.0	45	38	210	32.9	45	34	204	37.7	45	40	212
		HIGH	34.0	45	36	216	38.8	50	41	224	35.7	45	37	218	40.5	50	43	226
	48TC**20	208/230-3-60	STD	80.2	100	84	529	92.0	100	97	549	85.0	100	89	534	96.8	125	103
MED			86.7	100	91	527	98.5	125	105	547	91.5	100	97	532	103.3	125	110	552
HIGH-High Efficiency			86.7	100	91	527	98.5	125	105	547	91.5	100	97	532	103.3	125	110	552
460-3-60		STD	41.1	50	43	274	47.3	60	50	286	43.3	50	46	276	49.5	60	53	288
		MED	44.4	50	47	273	50.6	60	54	285	46.6	60	49	275	52.8	60	56	287
		HIGH-High Efficiency	44.4	50	47	273	50.6	60	54	285	46.6	60	49	275	52.8	60	56	287
575-3-60		STD	31.2	40	32	202	36.0	45	38	210	32.9	45	34	204	37.7	45	40	212
		MED	34.0	45	36	216	38.8	50	41	224	35.7	45	37	218	40.5	50	43	226
		HIGH-High Efficiency	36.0	45	38	214	40.8	50	43	222	37.7	45	40	216	42.5	50	45	224
48TC**25		208/230-3-60	STD	83.1/82.2	100/100	87/86	578	94.9/94.0	110/110	101/100	598	87.9/87.0	100/100	93/92	583	99.7/98.8	125/125	106/105
	MED-High Efficiency		86.6	100	91	574	98.4	125	105	594	91.4	100	97	579	103.2	125	111	599
	HIGH-High Efficiency		98.0	125	105	653	109.8	125	118	673	102.8	125	110	658	114.6	125	124	678
	460-3-60	STD	43.1	50	45	312	49.3	60	52	324	45.3	50	48	314	51.5	60	55	326
		MED-High Efficiency	45.3	50	48	310	51.5	60	55	322	47.5	60	50	312	53.7	60	58	324
		HIGH-High Efficiency	51.0	60	54	350	57.2	70	62	362	53.2	60	57	352	59.4	70	64	364
	575-3-60	STD	33.4	40	35	232	38.2	45	41	240	35.1	45	37	234	39.9	50	43	242
		MED-High Efficiency	35.4	45	37	230	40.2	50	43	238	37.1	45	39	232	41.9	50	45	240
		HIGH-High Efficiency	37.3	45	40	257	42.1	50	45	265	39.0	50	42	259	43.8	50	47	267

See: "Legend and Notes for Tables 1 – 4" on page 11.

Table 2 – 48TC 17-29 Unit Wire/Fuse or HACR Breaker Sizing Data – 2-Speed Indoor Fan Motor

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.						w/ PWRD C.O.									
			NO PE.			w/ PE. (pwrd fr/ unit)			NO PE.			w/ PE. (pwrd fr/ unit)						
			MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA				
48TC**17	208/230-3-60	STD	78.2/77.4	100/100	81/81	496	90.0/89.2	100/100	95/94	516	83.0/82.2	100/100	87/86	501	94.8/94.0	110/110	101/100	521
		MED	80.4/79.4	100/100	84/83	520	92.2/91.2	100/100	98/96	540	85.2/84.2	100/100	89/88	525	97.0/96.0	125/125	103/102	545
		HIGH	83.2/82.3	100/100	87/86	531	95.0/94.1	110/110	101/100	551	88.0/87.1	100/100	93/92	536	99.8/98.9	125/125	106/105	556
	460-3-60	STD	39.6	50	41	258	45.8	60	48	270	41.8	50	44	260	48.0	60	51	272
		MED	40.7	50	43	270	46.9	60	50	282	42.9	50	45	272	49.1	60	52	284
		HIGH	42.2	50	44	275	48.4	60	51	287	44.4	50	47	277	50.6	60	54	289
		STD	32.9	45	34	202	37.7	45	40	210	34.6	45	36	204	39.4	50	42	212
48TC**20	208/230-3-60	MED	32.9	45	34	202	37.7	45	40	210	34.6	45	36	204	39.4	50	42	212
		HIGH	34.6	45	36	216	39.4	50	42	224	36.3	45	38	218	41.1	50	44	226
		STD	80.4/79.4	100/100	84/83	520	92.2/91.2	100/100	98/96	540	85.2/84.2	100/100	89/88	525	97.0/96.0	125/125	103/102	545
	460-3-60	MED	83.2/82.3	100/100	87/86	531	95.0/94.1	110/110	101/100	551	88.0/87.1	100/100	93/92	536	99.8/98.9	125/125	106/105	556
		HIGH	86.7	100	91	527	98.5	125	105	547	91.5	100	97	532	103.3	125	110	552
		STD	40.7	50	43	270	46.9	60	50	282	42.9	50	45	272	49.1	60	52	284
		MED	42.2	50	44	275	48.4	60	51	287	44.4	50	47	277	50.6	60	54	289
48TC**25	208/230-3-60	HIGH	44.4	50	47	273	50.6	60	54	285	46.6	60	49	275	52.8	60	56	287
		STD	32.9	45	34	202	37.7	45	40	210	34.6	45	36	204	39.4	50	42	212
		MED	34.6	45	36	216	39.4	50	42	224	36.3	45	38	218	41.1	50	44	226
	460-3-60	HIGH	36.0	45	38	214	40.8	50	43	222	37.7	45	40	216	42.5	50	45	224
		STD	83.1/82.2	100/100	87/86	578	94.9/94.0	110/110	101/100	598	87.9/87.0	100/100	93/92	583	99.7/98.8	125/125	106/105	603
		MED	86.6	100	91	574	98.4	125	105	594	91.4	100	97	579	103.2	125	111	599
		HIGH	98.0	125	105	653	109.8	125	118	673	102.8	125	110	658	114.6	125	124	678
48TC**29	208/230-3-60	STD	43.1	50	45	312	49.3	60	52	324	45.3	50	48	314	51.5	60	55	326
		MED	45.3	50	48	310	51.5	60	55	322	47.5	60	50	312	53.7	60	58	324
		HIGH	51.0	60	54	350	57.2	70	62	362	53.2	60	57	352	59.4	70	64	364
	460-3-60	STD	34.0	45	36	232	38.8	50	41	240	35.7	45	38	234	40.5	50	43	242
		MED	35.4	45	37	230	40.2	50	43	238	37.1	45	39	232	41.9	50	45	240
		HIGH	37.3	45	40	257	42.1	50	45	265	39.0	50	42	259	43.8	50	47	267
		MED	120.1	150	124	587	131.9	175	138	607	124.9	150	130	592	136.7	175	143	612
460-3-60	HIGH	131.5	175	137	666	143.3	175	151	686	136.3	175	143	671	148.1	175	157	691	
	MED	53.3	60	56	319	59.5	70	63	331	55.5	70	58	321	61.7	80	66	333	
	HIGH	59.0	70	62	359	65.2	80	70	371	61.2	70	65	361	67.4	80	72	373	
	MED	42.5	50	45	254	47.3	60	50	262	44.2	50	47	256	49.0	60	52	264	
48TC**29	575-3-60	HIGH	44.4	50	47	281	49.2	60	52	289	46.1	60	49	283	50.9	60	54	291

Table 3 – 50TC 17-25 Unit Wire/Fuse or HACR Breaker Sizing Data – Single-Speed Indoor Fan Motor

UNIT	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. (pwrdd fr/unit)			NO PE.			w/ P.E. (pwrdd fr/unit)			NO PE.			w/ P.E. (pwrdd fr/unit)				
					MCA	MAX FUSE or BRKR	DISC. SIZE	FLA	LRA	MCA	MAX FUSE or BRKR	DISC. SIZE	FLA	LRA	MCA	MAX FUSE or BRKR	DISC. SIZE	FLA	LRA	MCA	MAX FUSE or BRKR	DISC. SIZE	FLA	LRA
	STD	NONE	—	—	78.0/77.9	100/100	81/81	515	88.8/88.7	100/100	95/95	535	82.8/82.7	100/100	87/87	520	94.6/94.5	110/110	100/100	540				
		279A00	18.8/25.0	52.1/60.1	78.0/85.5	100/100	81/81	515/515	90.4/100.3	100/110	95/95	535/535	82.8/91.5	100/100	87/87	520/520	96.4/106.3	110/110	100/100	540/540				
		280A00	37.6/50.0	104.2/120.3	140.8/130.7	150/150	129/148	515/515	155.5/145.4	175/175	143/161	535/535	148.8/138.7	150/150	135/153	520/520	161.5/151.4	175/175	149/167	540/540				
		281A00	56.3/75.0	156.4/180.4	166.9/190.8	200/200	190/217	515/515	181.7/205.5	200/225	203/231	535/535	172.9/196.8	200/225	195/223	520/520	187.7/211.5	200/225	209/236	540/540				
208/230-3-60	MED	NONE	—	—	80.2	100	84	529	92.0	100	97	549	85.0	100	89	534	96.8	125	103	554				
		279A00	18.8/25.0	52.1/60.1	80.2/88.4	100/100	84/84	529/529	93.1/103.1	100/110	97/97	549/549	85.0/94.4	100/100	89/89	534/534	99.1/109.1	125/125	103/103	554/554				
		280A00	37.6/50.0	104.2/120.3	143.5/133.6	150/150	132/151	529/529	158.3/148.3	175/175	146/164	549/549	149.5/139.6	150/150	138/156	534/534	164.3/154.3	175/175	151/170	554/554				
		281A00	56.3/75.0	156.4/180.4	169.7/193.7	200/225	192/220	529/529	184.4/208.4	200/225	206/233	549/549	175.7/199.7	200/225	198/225	534/534	190.4/214.4	200/225	211/239	554/554				
460-3-60	HIGH	NONE	—	—	83.2/82.3	100/100	87/86	531	95.0/94.1	110/110	101/100	551	88.0/87.1	100/100	93/92	536	99.8/98.9	125/125	106/105	556				
		279A00	18.8/25.0	52.1/60.1	83.2/91.0	100/100	87/86	531/531	96.9/105.8	110/110	101/100	551/551	88.1/97.0	100/100	93/92	536/536	102.9/111.8	125/125	108/105	556/556				
		280A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	531/531	162.0/150.9	175/175	149/167	551/551	153.3/142.2	175/175	141/158	536/536	168.0/156.9	175/175	155/172	556/556				
		281A00	56.3/75.0	156.4/180.4	173.1/196.3	200/225	196/222	531/531	188.2/211.0	200/225	209/236	551/551	179.4/202.3	200/225	201/228	536/536	194.2/217.0	200/250	215/241	556/556				
50TC**17	STD	NONE	—	—	40.0	50	42	267	46.2	60	49	279	42.2	50	44	269	48.4	60	51	281				
		282A00	25.0	30.1	42.9	50	42	267	50.6	60	49	279	45.6	50	44	269	53.4	60	51	281				
		283A00	50.0	60.1	65.4	70	74	267	73.1	80	81	279	68.1	80	76	269	75.9	80	84	281				
		284A00	75.0	90.2	95.5	100	109	267	103.2	110	116	279	98.2	100	111	269	106.0	110	118	281				
575-3-60	MED	NONE	—	—	41.1	50	43	274	47.3	60	50	286	43.3	50	46	276	49.5	60	53	288				
		282A00	25.0	30.1	44.3	50	43	274	52.0	60	50	286	47.0	50	46	276	54.8	60	53	288				
		283A00	50.0	60.1	66.7	80	75	274	74.5	80	82	286	69.5	80	78	276	77.2	80	85	288				
		284A00	75.0	90.2	96.8	100	110	274	104.6	110	117	286	99.6	110	112	276	107.3	125	119	288				
	HIGH	NONE	—	—	42.2	50	44	275	48.4	60	51	287	44.4	50	47	277	50.6	60	54	289				
		282A00	25.0	30.1	45.6	50	44	275	53.4	60	51	287	48.4	50	47	277	56.1	60	54	289				
		283A00	50.0	60.1	68.1	80	76	275	75.9	80	84	287	70.9	80	79	277	78.6	80	86	289				
		284A00	75.0	90.2	98.2	100	111	275	106.0	125	118	287	101.0	110	114	277	108.7	125	121	289				
	STD	NONE	—	—	31.2	40	32	202	36.0	45	38	210	32.9	45	34	204	37.7	45	40	212				
		285A00	24.8	23.9	33.4	40	32	202	39.4	45	38	210	35.5	45	34	204	41.5	45	40	212				
		286A00	49.6	47.7	63.1	70	58	202	69.1	70	64	210	65.3	70	60	204	71.3	80	66	212				
		287A00	74.4	71.6	75.1	80	86	202	81.1	90	91	210	77.2	80	88	204	83.2	90	93	212				
	MED	NONE	—	—	31.2	40	32	202	36.0	45	38	210	32.9	45	34	204	37.7	45	40	212				
		285A00	24.8	23.9	33.4	40	32	202	39.4	45	38	210	35.5	45	34	204	41.5	45	40	212				
		286A00	49.6	47.7	63.1	70	58	202	69.1	70	64	210	65.3	70	60	204	71.3	80	66	212				
		287A00	74.4	71.6	75.1	80	86	202	81.1	90	91	210	77.2	80	88	204	83.2	90	93	212				
	HIGH	NONE	—	—	34.0	45	36	216	38.8	50	41	224	35.7	45	37	218	40.5	50	43	226				
		285A00	24.8	23.9	36.9	45	36	216	42.9	50	41	224	39.0	45	37	218	45.0	50	43	226				
		286A00	49.6	47.7	66.6	70	61	216	72.6	80	67	224	68.8	70	63	218	74.8	80	69	226				
		287A00	74.4	71.6	78.6	90	89	216	84.6	90	94	224	80.7	90	91	218	86.7	90	96	226				

Table 3 - 50TC 17-25 Unit Wire/Fuse or HACR Breaker Sizing Data - Single-Speed Indoor Fan Motor (cont)

UNIT	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.						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	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE					
							FLA	LRA			FLA	LRA			FLA	LRA				
	STD	NONE	—	—	100	84	529	92.0	100	97	549	85.0	100	89	534	96.8	125	103	554	
		279A00	18.8/25.0	52.1/60.1	100/100	84/84	529/529	93.1/103.1	100/110	97/97	549/549	85.0/94.4	100/100	89/89	534/534	99.1/109.1	125/125	103/103	554/554	
		280A00	37.6/50.0	104.2/120.3	150/150	132/151	529/529	158.3/148.3	175/175	146/164	549/549	149.5/139.6	150/150	138/156	534/534	164.3/154.3	175/175	151/170	554/554	
		281A00	56.3/75.0	156.4/180.4	200/225	192/220	529/529	184.4/208.4	200/225	206/233	549/549	175.7/199.7	200/225	198/225	534/534	190.4/214.4	200/225	211/239	554/554	
208/230-3-60		NONE	—	—	100	91	527	98.5	125	105	547	91.5	100	97	532	103.3	125	110	552	
		279A00	18.8/25.0	52.1/60.1	100/100	91/91	527/527	101.3/111.3	125/125	105/105	547/547	92.5/102.5	100/110	97/97	532/532	107.3/117.3	125/125	110/110	552/552	
		280A00	37.6/50.0	104.2/120.3	175/175	139/158	527/527	166.4/156.4	175/175	153/172	547/547	157.6/147.7	175/175	145/164	532/532	172.4/162.4	175/175	159/177	552/552	
		281A00	56.3/75.0	156.4/180.4	200/225	200/227	527/527	192.5/216.5	200/250	213/241	547/547	183.8/207.8	200/225	205/233	532/532	198.5/222.5	200/250	219/246	552/552	
460-3-60	STD	NONE	—	—	50	43	274	47.3	60	50	286	43.3	50	46	276	49.5	60	53	288	
		282A00	25.0	30.1	44.3	50	43	274	52.0	60	50	286	47.0	50	46	276	54.8	60	53	288
		283A00	50.0	60.1	66.7	80	75	274	74.5	80	82	286	69.5	80	78	276	77.2	80	85	288
		284A00	75.0	90.2	96.8	100	110	274	104.6	110	117	286	99.6	110	112	276	107.3	125	119	288
MED		NONE	—	—	50	47	273	50.6	60	54	285	46.6	60	49	275	52.8	60	56	287	
		282A00	25.0	30.1	48.4	50	47	273	56.1	60	54	285	51.1	60	49	275	58.9	60	56	287
		283A00	50.0	60.1	70.9	80	79	273	78.6	80	86	285	73.6	80	82	275	81.4	90	89	287
		284A00	75.0	90.2	101.0	110	114	273	108.7	125	121	285	103.7	125	116	275	125	123	287	
HIGH-High Efficiency		NONE	—	—	44.4	50	47	273	50.6	60	54	46.6	60	49	275	52.8	60	56	287	
		282A00	25.0	30.1	48.4	50	47	273	56.1	60	54	285	51.1	60	49	275	58.9	60	56	287
		283A00	50.0	60.1	70.9	80	79	273	78.6	80	86	285	73.6	80	82	275	81.4	90	89	287
		284A00	75.0	90.2	101.0	110	114	273	108.7	125	121	285	103.7	125	116	275	125	123	287	
575-3-60	STD	NONE	—	—	31.2	40	32	202	36.0	45	38	37.7	45	34	204	37.7	45	40	212	
		285A00	24.8	23.9	33.4	40	32	202	39.4	45	38	210	35.5	45	34	204	41.5	45	40	212
		286A00	49.6	47.7	63.1	70	58	202	69.1	70	64	210	65.3	70	60	204	71.3	80	66	212
		287A00	74.4	71.6	75.1	80	86	202	81.1	90	91	210	77.2	80	88	204	83.2	90	93	212
575-3-60	MED	NONE	—	—	34.0	45	36	216	38.8	50	41	35.7	45	37	218	40.5	50	43	226	
		285A00	24.8	23.9	36.9	45	36	216	42.9	50	41	224	39.0	45	37	218	45.0	50	43	226
		286A00	49.6	47.7	66.6	70	61	216	72.6	80	67	224	68.8	70	63	218	74.8	80	69	226
		287A00	74.4	71.6	78.6	90	89	216	84.6	90	94	224	80.7	90	91	218	86.7	90	96	226
HIGH-High Efficiency		NONE	—	—	36.0	45	38	214	40.8	50	43	37.7	45	40	216	42.5	50	45	224	
		285A00	24.8	23.9	39.4	45	38	214	45.4	50	43	222	41.5	45	40	216	47.5	50	45	224
		286A00	49.6	47.7	69.1	70	64	214	75.1	80	69	222	71.3	80	66	216	77.3	80	71	224
		287A00	74.4	71.6	81.1	90	91	214	87.1	90	97	222	83.2	90	93	216	89.2	90	99	224

See: "Legend and Notes for Tables 1 – 4" on page 11.

Table 3 - 50TC 17-25 Unit Wire/Fuse or HACR Breaker Sizing Data - Single-Speed Indoor Fan Motor (cont)

UNIT	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.						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)		
					MAX FUSE or HACR BRKR	DISC. SIZE FLA	LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA	LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA	LRA	DISC. SIZE FLA
50TC**25	STD	NONE	-	-	83.1/82.2	87/86	578	94.9/94.0	110/110	101/100	598	87.9/87.0	100/100	93/92	583	99.7/98.8
		270A00	18.8/25.0	52.1/60.1	83.1/91.0	87/86	578/578	96.9/105.8	110/110	101/100	598/598	88.1/97.0	100/100	93/92	583/583	102.9/111.8
		271A00	37.6/50.0	104.2/120.3	147.3/136.2	135/153	578/578	162.0/150.9	175/175	149/167	598/598	153.3/142.2	175/175	141/158	583/583	168.0/156.9
		272A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	578/578	188.2/211.0	200/225	209/236	598/598	179.4/202.3	200/225	201/228	583/583	194.2/217.0
		NONE	-	-	86.6	91	574	98.4	125	105	594	91.4	100	97	579	103.2
208/230-3-60	MED-High Efficiency	270A00	18.8/25.0	52.1/60.1	86.6/96.5	100/100	574/574	101.3/111.3	125/125	105/105	594/594	92.5/102.5	100/110	97/97	579/579	107.3/117.3
		271A00	37.6/50.0	104.2/120.3	151.6/141.7	139/158	574/574	166.4/156.4	175/175	153/172	594/594	157.6/147.7	175/175	145/164	579/579	172.4/162.4
		272A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	574/574	192.5/216.5	200/250	213/241	594/594	183.8/207.8	200/225	205/233	579/579	198.5/222.5
		NONE	-	-	98.0	105	653	109.8	125	118	673	102.8	125	110	658	114.6
		270A00	18.8/25.0	52.1/60.1	100.8/110.8	125/125	653/653	115.5/125.5	125/150	118/118	673/673	106.8/116.8	125/125	110/110	658/658	121.5/131.5
460-3-60	STD	271A00	37.6/50.0	104.2/120.3	165.9/155.9	175/175	653/653	180.6/170.7	200/175	166/185	673/673	171.9/161.9	175/175	158/177	658/658	186.6/176.7
		272A00	56.3/75.0	156.4/180.4	192.0/216.0	200/250	653/653	206.8/230.8	225/250	226/254	673/673	198.0/222.0	225/250	218/246	658/658	212.8/236.8
		NONE	-	-	43.1	45	312	49.3	60	52	324	45.3	50	48	314	51.5
		273A00	25.0	30.1	45.6	50	312	53.4	60	52	324	48.4	50	48	314	56.1
		274A00	50.0	60.1	68.1	80	312	75.9	80	84	324	70.9	80	79	314	78.6
50TC**25	MED-High Efficiency	275A00	75.0	90.2	98.2	100	312	106.0	125	118	324	101.0	110	114	314	108.7
		NONE	-	-	51.0	60	350	57.2	70	62	362	53.2	60	57	352	59.4
		273A00	25.0	30.1	55.5	60	350	63.3	70	62	362	58.3	60	57	352	66.0
		274A00	50.0	60.1	78.0	90	350	85.7	90	93	362	80.7	90	88	352	88.5
		275A00	75.0	90.2	108.1	125	350	115.8	125	127	362	110.8	125	123	352	118.6
575-3-60	STD	NONE	-	-	33.4	40	232	38.2	45	41	240	35.1	45	37	234	39.9
		276A00	24.8	23.9	36.9	40	232	42.9	45	41	240	39.0	45	37	234	45.0
		277A00	49.6	47.7	66.6	70	232	72.6	80	67	240	68.8	70	63	234	74.8
		278A00	74.4	71.6	78.6	90	232	84.6	90	94	240	80.7	90	91	234	86.7
		NONE	-	-	35.4	45	230	40.2	50	43	238	37.1	45	39	232	41.9
50TC**25	MED-High Efficiency	276A00	24.8	23.9	39.4	45	230	45.4	50	43	238	41.5	45	39	232	47.5
		277A00	49.6	47.7	69.1	70	230	75.1	80	69	238	71.3	80	66	232	77.3
		278A00	74.4	71.6	81.1	90	230	87.1	90	97	238	83.2	90	93	232	89.2
		NONE	-	-	37.3	45	257	42.1	50	45	265	39.0	50	42	259	43.8
		276A00	24.8	23.9	41.8	45	257	47.8	50	45	265	43.9	50	42	259	49.9
50TC**25	HIGH-High Efficiency	277A00	49.6	47.7	71.5	80	257	77.5	80	71	265	73.6	80	68	259	79.6
		278A00	74.4	71.6	83.5	90	257	88.5	100	99	265	85.6	90	95	259	91.6
		NONE	-	-	47.8	50	267	48.8	50	47	275	45.8	50	44	269	50.8
		277A00	49.6	47.7	73.6	80	267	80.6	80	73	275	76.6	80	70	269	82.6
		278A00	74.4	71.6	85.6	90	267	92.6	100	99	275	89.6	90	95	269	94.6

See: "Legend and Notes for Tables 1 - 4" on page 11.

Table 4 – 50°C 17-29 Unit Wire/Fuse or HACR Breaker Sizing Data - 2-Speed Indoor Fan Motor

UNIT	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. (pwrdd fr/unit)			NO PE.			w/ P.E. (pwrdd fr/unit)							
					MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA					
208/230-3-60	STD	NONE	-	-	78.2/77.4	100/100	81/81	496	90.0/89.2	100/100	95/94	516	83.0/82.2	100/100	87/86	501	94.8/94.0	110/110	101/100	521	
		279A00	18.8/25.0	52.1/60.1	78.2/84.9	100/100	81/81	496/496	90.6/99.6	100/100	95/94	516/516	83.0/90.9	100/100	87/86	501/501	96.6/105.6	110/110	101/100	521/521	
		280A00	37.6/50.0	104.2/120.3	141.0/130.1	167.0/130.1	150/150	130/147	496/496	155.8/144.8	175/150	143/161	516/516	147.0/136.1	150/150	135/153	501/501	161.8/150.8	175/175	149/166	521/521
		281A00	56.3/75.0	156.4/180.4	167.2/190.2	181.0/190.2	200/200	190/216	496/496	181.9/204.9	200/225	203/230	516/516	173.2/196.2	200/225	195/222	501/501	187.9/210.9	200/225	209/236	521/521
	NONE	-	-	80.4/79.4	100/100	84/83	520	92.2/91.2	100/100	98/96	540	85.2/84.2	100/100	89/88	525	97.0/96.0	125/125	103/102	545		
208/230-3-60	MED	279A00	18.8/25.0	52.1/60.1	80.4/87.4	100/100	84/83	520/520	93.4/102.1	100/110	98/96	540/540	85.2/93.4	100/100	89/88	525/525	99.4/108.1	125/125	103/102	545/545	
		280A00	37.6/50.0	104.2/120.3	143.8/132.6	167.0/132.6	150/150	132/150	520/520	158.5/147.3	175/175	146/163	540/540	149.8/138.6	150/150	138/155	525/525	164.5/153.3	175/175	151/169	545/545
		281A00	56.3/75.0	156.4/180.4	169.9/192.7	189.9/192.7	200/225	192/219	520/520	184.7/207.4	200/225	206/232	540/540	175.9/198.7	200/225	198/224	525/525	190.7/213.4	200/225	211/238	545/545
		NONE	-	-	83.2/82.3	100/100	87/86	531	95.0/94.1	110/110	101/100	551	88.0/87.1	100/100	93/92	536	99.8/98.9	125/125	106/105	556	
	HIGH	279A00	18.8/25.0	52.1/60.1	83.2/81.0	100/100	87/86	531/531	96.9/105.8	110/110	101/100	551/551	88.1/97.0	100/100	93/92	536/536	102.9/111.8	125/125	106/105	556/556	
280A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	531/531	162.0/150.9	175/175	149/167	551/551	153.3/142.2	175/175	141/158	536/536	168.0/156.9	175/175	155/172	556/556			
281A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	531/531	188.2/211.0	200/225	209/236	551/551	179.4/202.3	200/225	201/228	536/536	194.2/217.0	200/250	215/241	556/556			
460-3-60	STD	NONE	-	-	39.6	50	41	258	45.8	60	48	270	41.8	50	44	260	48.0	60	51	272	
		282A00	25.0	30.1	42.4	50	41	258	50.1	60	48	270	45.1	50	44	260	52.9	60	51	272	
		283A00	50.0	60.1	64.9	70	73	258	72.6	80	81	270	67.6	80	76	260	75.4	80	83	272	
		284A00	75.0	90.2	95.0	100	108	258	102.7	110	115	270	97.7	100	111	260	105.5	110	118	272	
	MED	NONE	-	-	40.7	50	43	270	46.9	60	50	282	42.9	50	45	272	49.1	60	52	284	
282A00	25.0	30.1	43.8	50	43	270	51.5	60	50	282	54.3	60	50	284	52	60	52	284			
283A00	50.0	60.1	66.2	80	75	270	74.0	80	82	282	69.0	80	77	272	76.7	80	84	284			
284A00	75.0	90.2	96.3	100	109	270	104.1	110	116	282	99.1	100	112	272	106.8	110	119	284			
460-3-60	HIGH	NONE	-	-	42.2	50	44	275	48.4	60	51	287	44.4	50	47	277	50.6	60	54	289	
		282A00	25.0	30.1	45.6	50	44	275	53.4	60	51	287	48.4	50	47	277	56.1	60	54	289	
		283A00	50.0	60.1	68.1	80	76	275	75.9	80	84	287	70.9	80	79	277	78.6	80	86	289	
		284A00	75.0	90.2	98.2	100	111	275	106.0	125	118	287	101.0	110	114	277	108.7	125	121	289	
	STD	NONE	-	-	32.9	45	34	202	37.7	45	40	210	34.6	45	36	204	39.4	50	42	212	
285A00	24.8	23.9	35.5	45	34	202	41.5	45	40	210	37.6	45	36	204	43.6	50	42	212			
286A00	49.6	47.7	65.3	70	60	202	71.3	80	66	210	67.4	70	62	204	73.4	80	68	212			
287A00	74.4	71.6	77.2	90	88	202	83.2	90	93	210	79.4	90	89	204	85.4	90	95	212			
575-3-60	MED	NONE	-	-	32.9	45	34	202	37.7	45	40	210	34.6	45	36	204	39.4	50	42	212	
		285A00	24.8	23.9	35.5	45	34	202	41.5	45	40	210	37.6	45	36	204	43.6	50	42	212	
		286A00	49.6	47.7	65.3	70	60	202	71.3	80	66	210	67.4	70	62	204	73.4	80	68	212	
		287A00	74.4	71.6	77.2	90	88	202	83.2	90	93	210	79.4	90	89	204	85.4	90	95	212	
	HIGH	NONE	-	-	34.6	45	36	216	39.4	50	42	224	36.3	45	38	218	41.1	50	44	226	
285A00	24.8	23.9	37.6	45	36	216	43.6	50	42	224	39.8	45	38	218	45.8	50	44	226			
286A00	49.6	47.7	67.4	70	62	216	73.4	80	68	224	69.5	70	64	218	75.5	80	69	226			
287A00	74.4	71.6	79.4	90	89	216	85.4	90	95	224	81.5	90	91	218	87.5	90	97	226			

See: "Legend and Notes for Tables 1 – 4" on page 11.

Table 4 - 50TC 17-29 Unit Wire/Fuse or HACR Breaker Sizing Data - 2-Speed Indoor Fan Motor (cont)

UNIT	IFM TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.						w/ PWRD C.O.									
		CRHEATER ***A00	Nom (kW)	FLA	NO PE.			w/ P.E. (pwrdd fr/unit)			NO PE.			w/ P.E. (pwrdd fr/unit)						
					MCA	MAX FUSE or BRKR	DISC. SIZE		MCA	MAX FUSE or BRKR	DISC. SIZE		MCA	MAX FUSE or BRKR	DISC. SIZE					
							FLA	LRA			FLA	LRA			FLA	LRA	FLA	LRA		
	STD	NONE	—	—	80.4/79.4	100/100	84/83	520	92.2/91.2	100/100	98/96	540	85.2/84.2	100/100	89/88	525	97.0/96.0	125/125	103/102	545
		279A00	18.8/25.0	52.1/60.1	80.4/87.4	100/100	84/83	520/520	93.4/102.1	100/110	98/96	540/540	85.2/93.4	100/100	89/88	525/525	99.4/108.1	125/125	103/102	545/545
		280A00	37.6/50.0	104.2/120.3	143.8/132.6	150/150	132/150	520/520	158.5/147.3	175/175	146/163	540/540	149.8/138.6	150/150	138/155	525/525	164.5/153.3	175/175	151/169	545/545
		281A00	56.3/75.0	156.4/180.4	169.9/192.7	200/225	192/219	520/520	184.7/207.4	200/225	206/232	540/540	175.9/198.7	200/225	198/224	525/525	190.7/213.4	200/225	211/238	545/545
208/230-3-60	MED	NONE	—	—	83.2/82.3	100/100	87/86	531	95.0/94.1	110/110	101/100	551	88.0/87.1	100/100	93/92	536	99.8/98.9	125/125	108/105	556
		279A00	18.8/25.0	52.1/60.1	83.2/91.0	100/100	87/86	531/531	96.9/105.8	110/110	101/100	551/551	88.1/97.0	100/100	93/92	536/536	102.9/111.8	125/125	108/105	556/556
		280A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	531/531	162.0/150.9	175/175	149/167	551/551	153.3/142.2	175/175	141/158	536/536	168.0/156.9	175/175	155/172	556/556
		281A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	531/531	188.2/211.0	200/225	209/236	551/551	179.4/202.3	200/225	201/228	536/536	194.2/217.0	200/250	215/241	556/556
460-3-60	STD	NONE	—	—	86.7	100	91	527	98.5	125	105	547	91.5	100	97	532	103.3	125	110	552
		279A00	18.8/25.0	52.1/60.1	86.7/96.5	100/100	91/91	527/527	101.3/111.3	125/125	105/105	547/547	92.5/102.5	100/110	97/97	532/532	107.3/117.3	125/125	110/110	552/552
		280A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	527/527	168.4/156.4	175/175	153/172	547/547	157.6/147.7	175/175	145/164	532/532	172.4/162.4	175/175	159/177	552/552
		281A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	527/527	192.5/216.5	200/250	213/241	547/547	183.8/207.8	200/225	205/233	532/532	198.5/222.5	200/250	219/246	552/552
50TC**20	MED	282A00	25.0	30.1	43.8	50	43	270	46.9	60	50	282	42.9	50	45	272	49.1	60	52	284
		283A00	50.0	60.1	66.2	80	75	270	74.0	80	82	282	69.0	80	77	272	76.7	80	84	284
		284A00	75.0	90.2	96.3	100	109	270	104.1	110	116	282	99.1	100	112	272	106.8	110	119	284
		NONE	—	—	42.2	50	44	275	48.4	60	51	287	44.4	50	47	277	50.6	60	54	289
HIGH	MED	282A00	25.0	30.1	45.6	50	44	275	53.4	60	51	287	48.4	50	47	277	56.1	60	54	289
		283A00	50.0	60.1	68.1	80	76	275	75.9	80	84	287	70.9	80	79	277	78.6	80	86	289
		284A00	75.0	90.2	98.2	100	111	275	106.0	125	118	287	101.0	110	114	277	108.7	125	121	289
		NONE	—	—	44.4	50	47	273	50.6	60	54	285	46.6	60	49	275	52.8	60	56	287
	HIGH	282A00	25.0	30.1	48.4	50	47	273	56.1	60	54	285	51.1	60	49	275	58.9	60	56	287
		283A00	50.0	60.1	70.9	80	79	273	78.6	80	86	285	73.6	80	82	275	81.4	90	89	287
		284A00	75.0	90.2	101.0	110	114	273	108.7	125	121	285	103.7	125	116	275	111.5	125	123	287
		NONE	—	—	32.9	45	34	202	37.7	45	40	210	34.6	45	36	204	39.4	50	42	212
575-3-60	STD	285A00	24.8	23.9	35.5	45	34	202	41.5	45	40	210	37.6	45	36	204	43.6	50	42	212
		286A00	49.6	47.7	65.3	70	60	202	71.3	80	66	210	67.4	70	62	204	73.4	80	68	212
		287A00	74.4	71.6	77.2	90	88	202	83.2	90	93	210	79.4	90	89	204	85.4	90	95	212
		NONE	—	—	34.6	45	36	216	39.4	50	42	224	36.3	45	38	218	41.1	50	44	226
575-3-60	MED	285A00	24.8	23.9	37.6	45	36	216	43.6	50	42	224	39.8	45	38	218	45.8	50	44	226
		286A00	49.6	47.7	67.4	70	62	216	73.4	80	68	224	69.5	70	64	218	75.5	80	69	226
		287A00	74.4	71.6	79.4	90	89	216	85.4	90	95	224	81.5	90	91	218	87.5	90	97	226
		NONE	—	—	36.0	45	38	214	40.8	50	43	222	37.7	45	40	216	42.5	50	45	224
575-3-60	HIGH	285A00	24.8	23.9	39.4	45	38	214	45.4	50	43	222	41.5	45	40	216	47.5	50	45	224
		286A00	49.6	47.7	69.1	70	64	214	75.1	80	69	222	71.3	80	66	216	77.3	80	71	224
		287A00	74.4	71.6	81.1	90	91	214	87.1	90	97	222	83.2	90	93	216	89.2	90	99	224
		NONE	—	—	36.0	45	38	214	40.8	50	43	222	37.7	45	40	216	42.5	50	45	224

Table 4 - 50TC 17-29 Unit Wire/Fuse or HACR Breaker Sizing Data - 2-Speed Indoor Fan Motor (cont)

Table 4 - 50TC 17-29 Unit Wire/Fuse or HACR Breaker Sizing Data - 2-Speed Indoor Fan Motor (cont)

UNIT	NOM. 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	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA				
	STD	NONE	-	-	116.6/115.7	150/150	120/119	591	128.4/127.5	175/175	134/133	611	121.4/120.5	150/150	126/125	596	133.2/132.3	175/175	139/138	616
		270A00	18.8/25.0	52.1/60.1	116.6/115.7	150/150	120/119	591/591	128.4/127.5	175/175	134/133	611/611	121.4/120.5	150/150	126/125	596/596	133.2/132.3	175/175	139/138	616/616
		271A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	591/591	162.0/150.9	175/175	149/167	611/611	153.3/142.2	175/175	141/158	596/596	168.0/156.9	175/175	155/172	616/616
		272A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	591/591	188.2/211.0	200/225	209/236	611/611	179.4/202.3	200/225	201/228	596/596	194.2/217.0	200/250	215/241	616/616
	MED	NONE	-	-	120.1	150	124	587	131.9	175	138	607	124.9	150	130	592	136.7	175	143	612
		270A00	18.8/25.0	52.1/60.1	120.1/120.1	150/150	124/124	587/587	131.9/131.9	175/175	138/138	607/607	124.9/124.9	150/150	130/130	592/592	136.7/136.7	175/175	143/143	612/612
		271A00	37.6/50.0	104.2/120.3	151.9/141.7	175/175	139/158	587/587	166.4/156.4	175/175	153/172	607/607	157.6/147.7	175/175	145/164	592/592	172.4/162.4	175/175	159/177	612/612
		272A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	587/587	192.5/216.5	200/250	213/241	607/607	183.8/207.8	200/225	205/233	592/592	198.5/222.5	200/250	219/246	612/612
	HIGH	NONE	-	-	131.5	175	137	666	143.3	175	151	686	136.3	175	143	671	148.1	175	157	691
		270A00	18.8/25.0	52.1/60.1	131.5/131.5	175/175	137/137	666/666	143.3/143.3	175/175	151/151	686/686	136.3/136.3	175/175	143/143	671/671	148.1/148.1	175/175	157/157	691/691
		271A00	37.6/50.0	104.2/120.3	165.9/155.9	175/175	153/171	666/666	180.6/170.7	200/175	166/185	686/686	171.9/161.9	175/175	158/177	671/671	186.6/176.7	200/200	172/190	691/691
		272A00	56.3/75.0	156.4/180.4	192.0/216.0	200/250	213/240	666/666	206.8/230.8	225/250	226/254	686/686	198.0/222.0	225/250	218/246	671/671	212.8/236.8	225/250	232/259	691/691
	STD	NONE	-	-	51.1	60	53	321	57.3	70	60	333	53.3	60	56	323	59.5	70	63	335
		273A00	25.0	30.1	51.1	60	53	321	57.3	70	60	333	53.3	60	56	323	59.5	70	63	335
		274A00	50.0	60.1	68.1	80	76	321	75.9	80	84	333	70.9	80	79	323	78.6	80	86	335
		275A00	75.0	90.2	98.2	100	111	321	106.0	125	118	333	101.0	110	114	323	108.7	125	121	335
	460-3-60	NONE	-	-	53.3	60	56	319	59.5	70	63	331	55.5	70	58	321	61.7	80	66	333
		273A00	25.0	30.1	53.3	60	56	319	59.5	70	63	331	55.5	70	58	321	61.7	80	66	333
		274A00	50.0	60.1	70.9	80	79	319	78.6	80	86	331	73.6	80	82	321	81.4	90	89	333
		275A00	75.0	90.2	101.0	110	114	319	108.7	125	121	331	103.7	125	116	321	111.5	125	123	333
	HIGH	NONE	-	-	59.0	70	62	359	65.2	80	70	371	61.2	70	65	361	67.4	80	72	373
		273A00	25.0	30.1	59.0	70	62	359	65.2	80	70	371	61.2	70	65	361	67.4	80	72	373
		274A00	50.0	60.1	78.0	90	86	359	85.7	90	93	371	80.7	90	88	361	88.5	100	95	373
		275A00	75.0	90.2	108.1	125	120	359	115.8	125	127	371	110.8	125	123	361	118.6	125	130	373
	STD	NONE	-	-	41.1	50	43	256	45.9	60	49	264	42.8	50	45	258	47.6	60	50	266
		276A00	24.8	23.9	41.1	50	43	256	45.9	60	49	264	42.8	50	45	258	47.6	60	50	266
		277A00	49.6	47.7	67.4	70	62	256	73.4	80	68	264	69.5	70	64	258	75.5	80	69	266
		278A00	74.4	71.6	79.4	90	89	256	85.4	90	95	264	81.5	90	91	258	87.5	90	97	266
	575-3-60	NONE	-	-	42.5	50	45	254	47.3	60	50	262	44.2	50	47	256	49.0	60	52	264
		276A00	24.8	23.9	42.5	50	45	254	47.3	60	50	262	44.2	50	47	256	49.0	60	52	264
		277A00	49.6	47.7	69.1	70	64	254	75.1	80	69	262	71.3	80	66	256	77.3	80	71	264
		278A00	74.4	71.6	81.1	90	91	254	87.1	90	97	262	83.2	90	93	256	89.2	90	99	264
	HIGH	NONE	-	-	44.4	50	47	281	49.2	60	52	289	46.1	60	49	283	50.9	60	54	291
		276A00	24.8	23.9	44.4	50	47	281	49.2	60	52	289	46.1	60	49	283	50.9	60	54	291
		277A00	49.6	47.7	71.5	80	66	281	77.5	80	71	289	73.6	80	68	283	79.6	80	73	291
		278A00	74.4	71.6	83.5	90	93	281	89.5	100	99	289	85.6	90	95	283	91.6	100	101	291

See: "Legend and Notes for Tables 1 – 4" on page 11.

Legend and Notes for Tables 1 - 4

LEGEND:

BRKR	–	Circuit breaker
C.O.	–	Convenience outlet
DISC	–	Disconnect
FLA	–	Full load amps
IFM	–	Indoor fan motor
LRA	–	Locked rotor amps
MCA	–	Minimum circuit amps
P.E.	–	Power exhaust
pwrdr fr/ unit	–	Powered from unit
PWRD C.O.	–	Powered convenience outlet
UNPWR C.O.	–	Unpowered convenience 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. For 208/230 v units, where one value is shown it is the same for either 208 or 230 volts.
3. **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.

