

**50TCQ 7.5 – 8.5 Nominal Tons
Single Package Rooftop
Heat Pump
with Puron® (R-410A) Refrigerant
Sizes: 08 – 09**



Electrical Data Supplement

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

NOTE: Read the entire instruction manual before starting the installation

This supplement only applies to 50TCQ size 08 and 09 units manufactured on or after May 18, 2015. To confirm the date of manufacture of the unit, locate the unit nameplate and check the first four digits of the Serial Number which is located directly below the unit's Model Number at the top of the nameplate. If the number listed in the first 4 digits of the Serial Number is 2115 or higher KEEP THIS DOCUMENT and use it along with the furnished Installation Instructions.

SERIAL NUMBER NOMENCLATURE


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

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

SAFETY CONSIDERATIONS

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

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

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

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

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

C150230

CAUTION

ELECTRICAL HAZARD

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

The electrical data contained in this document is only for use with 50TCQ size 08 and 09 units manufactured on or after May 18, 2015. Check the first 4 digits of the unit's Serial Number (located on the unit's nameplate) if the number listed is 2115 or higher keep this document.

WARNING

ELECTRICAL SHOCK HAZARD

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

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

Table 1 – 50TCQ 08-09 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 RE.					w/ PE. (pwrd fr/unit)					NO RE.					w/ PE. (pwrd fr/unit)				
					MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE
50TCQ08	STD	NONE	-	-	38	50	40	193	42	50	44	197	43	50	48	198	47	50	49	50	49	202		
		117A	7.8/10.4	21.7/25.0	65/69	70/70	65/68	215/218	69/73	70/80	69/73	219/222	70/74	70/80	70/80	220/223	74/78	80/80	74/78	80/80	74/78	224/227		
		110A	12.0/16.0	33.4/38.5	80/86	80/90	78/84	226/232	84/90	90/90	82/88	230/236	85/91	90/100	90/100	231/237	88/94	90/100	88/94	90/100	88/94	235/241		
		111A	18.6/24.8	51.7/59.7	103/113	110/125	99/108	245/253	107/117	110/125	103/113	249/257	108/118	110/125	110/125	250/258	109/118	125/125	109/118	125/125	109/118	254/262		
		112A	24.0/32.0	66.7/77.0	122/134	125/150	116/128	260/270	125/138	125/150	121/132	264/274	126/139	150/150	150/150	265/275	126/138	150/150	126/138	150/150	126/138	269/279		
		112A+117A	31.8/42.4	88.4/102.0	149/166	150/175	141/157	370/397	152/169	175/175	146/161	374/401	153/170	175/175	175/175	375/402	151/167	175/175	151/167	175/175	151/167	379/406		
	MED	NONE	-	-	40	50	42	230	44	50	47	234	45	50	48	235	49	60	52	60	52	239		
		117A	7.8/10.4	21.7/25.0	68/72	70/80	67/71	252/255	71/75	80/80	72/75	256/259	72/76	80/80	80/80	257/260	76/80	80/80	77/81	80/80	77/81	261/264		
		110A	12.0/16.0	33.4/38.5	82/89	90/90	81/86	263/269	86/92	90/100	85/91	267/273	87/93	90/100	90/100	268/274	91/97	100/100	91/96	100/100	91/96	272/278		
		111A	18.6/24.8	51.7/59.7	105/115	110/125	102/111	282/290	109/119	110/125	106/115	286/294	110/120	110/125	110/125	287/295	114/124	125/125	112/121	125/125	112/121	291/299		
		112A	24.0/32.0	66.7/77.0	124/137	125/150	119/131	297/307	128/140	150/150	123/135	301/311	129/141	150/150	150/150	302/312	132/145	150/150	129/141	150/150	129/141	306/316		
		112A+117A	31.8/42.4	88.4/102.0	151/168	175/175	144/160	407/434	155/172	175/175	148/164	411/438	156/173	175/175	175/175	412/439	160/177	175/200	154/169	175/200	154/169	416/443		
460-3-60	STD	NONE	-	-	18	20	19	95	20	25	21	97	21	25	21	97	22	25	23	25	23	99		
		116A	13.9	16.7	39	40	38	112	41	45	40	114	41	45	41	114	43	45	43	45	43	116		
		113A	16.5	19.8	43	45	42	115	45	45	44	117	45	45	44	117	47	50	46	50	46	119		
		114A	27.8	33.4	60	60	57	128	62	70	59	130	62	70	60	130	64	70	62	70	62	132		
		115A	33.0	39.7	68	70	65	135	70	70	67	137	70	70	67	137	72	80	69	80	69	139		
		114A+116A	41.7	50.2	81	90	77	195	83	90	79	197	83	90	79	197	85	90	81	90	81	199		
	MED	NONE	-	-	19	25	20	114	21	25	22	116	21	25	22	116	23	25	24	25	24	118		
		116A	13.9	16.7	40	40	39	131	42	45	41	133	42	45	42	133	44	45	44	45	44	135		
		113A	16.5	19.8	44	45	43	134	46	50	45	136	46	50	45	136	48	50	47	50	47	138		
		114A	27.8	33.4	61	70	58	147	63	70	60	149	63	70	61	149	65	70	63	70	63	151		
		115A	33.0	39.7	69	70	65	154	71	80	68	156	71	80	68	156	73	80	70	80	70	158		
		114A+116A	41.7	50.2	82	90	78	214	84	90	80	216	84	90	80	216	86	90	82	90	82	218		
575-3-60	STD	NONE	-	-	13	15	13	77	17	20	18	81	15	20	15	79	19	20	20	20	18	83		
		118A	17.0	20.4	39	40	37	97	42	45	41	101	40	40	39	99	44	45	43	45	43	103		
		119A	34.0	40.9	64	70	60	118	68	70	65	122	66	70	62	120	70	70	67	70	67	124		
		NONE	-	-	14	20	15	92	18	20	19	96	16	20	17	94	20	25	21	25	21	98		
		118A	17.0	20.4	40	40	38	112	44	45	43	116	42	45	44	114	45	45	44	45	44	118		
		119A	34.0	40.9	65	70	62	133	69	70	66	137	67	70	64	135	71	80	68	80	68	139		
	HIGH	NONE	-	-	14	20	15	92	18	20	19	96	16	20	17	94	20	25	21	25	21	98		
		118A	17.0	20.4	40	40	38	112	44	45	43	116	42	45	44	114	45	45	44	45	44	118		
		119A	34.0	40.9	65	70	62	133	69	70	66	137	67	70	64	135	71	80	68	80	68	139		
		NONE	-	-	14	20	15	92	18	20	19	96	16	20	17	94	20	25	21	25	21	98		
		118A	17.0	20.4	40	40	38	112	44	45	43	116	42	45	44	114	45	45	44	45	44	118		
		119A	34.0	40.9	65	70	62	133	69	70	66	137	67	70	64	135	71	80	68	80	68	139		

See: "Legend and Notes for Tables 1 and 2" on page 6.

Table 1 - 50TCQ 08-09 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 RE.					w/ P.E. (pwrd fr/unit)					NO RE.					w/ P.E. (pwrd fr/unit)				
					MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE
50TCQ09	STD	NONE	-	-	40	50	42	208	44	50	46	212	45	50	47	213	49	60	52	217	54	254		
		117A	7.8/10.4	21.7/25.0	68/72	70/80	67/71	230/233	71/76	80/80	74/75	234/237	72/77	80/80	75/79	235/238	76/80	80/80	77/81	239/242	79/83	276/279		
		110A	12.0/16.0	33.4/38.5	82/89	90/100	80/86	241/247	86/92	90/100	85/91	245/251	87/93	90/100	88/94	246/252	91/97	100/100	90/96	250/256	93/99	287/293		
		111A	18.6/24.8	51.7/59.7	105/115	110/125	101/111	260/268	109/119	110/125	106/115	264/272	110/120	110/125	109/119	107/116	265/273	114/124	125/125	111/120	269/277	114/123	306/314	
		112A	24.0/32.0	66.7/77.0	124/137	125/150	119/130	275/285	128/141	150/150	123/135	279/289	129/142	150/150	127/139	124/136	280/290	132/145	150/150	128/140	284/294	135/148	321/331	
		112A+117A	31.8/42.4	88.4/102.0	151/168	175/175	144/159	385/412	155/172	175/175	148/164	389/416	158/173	175/175	152/167	149/165	390/417	160/177	175/200	153/169	394/421	162/179	431/458	
	HIGH	NONE	-	-	43	50	45	245	47	60	49	249	48	60	50	250	51	60	54	254	54	284		
		117A	7.8/10.4	21.7/25.0	70/74	70/80	69/73	267/270	74/78	80/80	74/78	271/274	75/79	80/80	75/79	272/275	79/83	80/80	79/83	276/279	79/83	276/279		
		110A	12.0/16.0	33.4/38.5	85/91	90/100	83/89	278/284	88/95	90/100	87/93	282/288	89/96	90/100	88/94	283/289	93/100	100/100	93/99	287/293	93/99	287/293		
		111A	18.6/24.8	51.7/59.7	107/117	110/125	104/113	297/305	111/121	125/125	108/118	301/309	112/122	125/125	109/119	112/122	302/310	116/126	125/150	114/123	306/314	114/123	306/314	
		112A	24.0/32.0	66.7/77.0	128/139	150/150	121/133	312/322	130/143	150/150	126/137	316/326	131/144	150/150	127/139	127/139	317/327	135/148	150/150	131/143	321/331	135/148	321/331	
		112A+117A	31.8/42.4	88.4/102.0	153/170	175/175	146/162	422/449	157/174	175/175	151/166	426/453	158/175	175/175	152/167	152/167	427/454	162/179	175/200	156/172	431/458	162/179	431/458	
460-3-60	STD	NONE	-	-	19	20	19	109	21	25	21	111	21	25	22	111	23	25	24	113				
		116A	13.9	16.7	40	40	38	126	41	45	40	128	42	45	41	128	44	45	44	130				
		113A	16.5	19.8	43	45	42	129	45	45	44	131	46	46	45	131	47	50	47	133				
		114A	27.8	33.4	60	70	58	142	62	70	60	144	63	70	60	144	64	70	62	144				
		115A	33.0	39.7	68	70	65	149	70	70	67	151	71	80	67	151	72	80	69	153				
		114A+116A	41.7	50.2	81	90	77	209	83	90	79	211	84	90	79	211	85	90	82	213				
	MED	NONE	-	-	20	25	20	128	21	25	22	130	22	25	23	130	24	25	25	132				
		116A	13.9	16.7	40	40	39	145	42	45	41	147	43	45	42	147	44	45	44	149				
		113A	16.5	19.8	44	45	43	148	46	50	45	150	46	50	45	150	48	50	47	152				
		114A	27.8	33.4	61	70	59	161	63	70	61	163	63	70	61	163	65	70	63	165				
		115A	33.0	39.7	69	70	66	168	71	80	68	170	71	80	68	170	73	80	70	172				
		114A+116A	41.7	50.2	82	90	78	228	84	90	78	230	84	90	80	230	86	90	82	232				
HIGH	NONE	-	-	16	20	16	128	19	25	22	130	22	25	23	130	24	25	25	132					
	116A	13.9	16.7	40	40	39	145	42	45	41	147	43	45	42	147	44	45	44	149					
	113A	16.5	19.8	44	45	43	148	46	50	45	150	46	50	45	150	48	50	47	152					
	114A	27.8	33.4	61	70	59	161	63	70	61	163	63	70	61	163	65	70	63	165					
	115A	33.0	39.7	69	70	66	168	71	80	68	170	71	80	68	170	73	80	70	172					
	114A+116A	41.7	50.2	82	90	78	228	84	90	78	230	84	90	80	230	86	90	82	232					
575-3-60	STD	NONE	-	-	16	20	16	85	19	25	20	89	17	20	18	87	21	25	22	91				
	118A	17.0	20.4	41	45	39	105	45	45	43	109	43	45	41	107	47	50	45	111					
	119A	34.0	40.9	67	70	63	126	70	80	67	130	68	70	65	128	72	80	69	132					
MED	NONE	-	-	17	20	17	100	21	25	21	104	18	20	19	102	22	25	23	106					
	118A	17.0	20.4	42	45	40	120	46	50	45	124	44	45	42	122	48	50	47	126					
	119A	34.0	40.9	68	70	64	141	72	80	68	145	70	70	66	143	73	80	70	147					
HIGH	NONE	-	-	17	20	17	100	21	25	21	104	18	20	19	102	22	25	23	106					
	118A	17.0	20.4	42	45	40	120	46	50	45	124	44	45	42	122	48	50	47	126					
	119A	34.0	40.9	68	70	64	141	72	80	68	145	70	70	66	143	73	80	70	147					

See: "Legend and Notes for Tables 1 and 2" on page 6.

Table 2 – 50TCQ 08-09 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 RE.					w/ P.E. (pwrd fr/unit)					NO RE.					w/ P.E. (pwrd fr/unit)				
					MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA
50TCQ08	STD	NONE	-	-	39/39	50/50	65/68	197	43/42	50/50	45/44	201	44/43	50/50	46/46	202	47/47	60/50	50/50	50/50	206			
		117A	7.8/10.4	21.7/25.0	66/70	70/70	65/68	219/222	70/74	70/80	70/73	223/226	71/75	80/80	80/80	71/74	224/227	74/78	80/80	80/80	75/79	228/231		
		110A	12.0/16.0	33.4/38.5	80/87	90/90	79/84	230/236	84/90	90/90	83/89	234/240	85/91	90/100	90/100	84/90	235/241	89/95	90/100	90/100	89/94	239/245		
		111A	18.6/24.8	51.7/59.7	103/113	110/125	100/109	249/257	107/117	110/125	104/113	253/261	108/118	110/125	105/114	254/262	112/122	254/262	125/125	110/119	110/119	258/266		
		112A	24.0/32.0	66.7/77.0	122/135	125/150	117/129	264/274	126/139	150/150	121/133	268/278	127/140	150/150	122/134	269/279	131/143	269/279	150/150	127/138	127/138	273/283		
		112A+117A	31.8/42.4	88.4/102.0	149/166	150/175	142/157	374/401	153/170	175/175	146/162	378/405	154/171	175/175	147/163	379/406	158/175	379/406	175/175	152/167	152/167	383/410		
	MED	NONE	-	42/41	43/43	227	45/45	48/47	231	46/46	50/50	49/48	232	48/48	50/50	232	50/49	60/60	60/60	59/52	236			
		117A	7.8/10.4	21.7/25.0	68/72	70/80	68/71	249/252	72/76	80/80	73/76	253/256	73/77	80/80	74/77	254/257	77/81	80/80	80/80	78/81	258/261			
		110A	12.0/16.0	33.4/38.5	83/89	90/90	82/87	260/266	87/93	90/100	86/91	264/270	88/94	90/100	87/92	265/271	92/97	100/100	100/100	92/97	269/275			
		111A	18.6/24.8	51.7/59.7	103/111	110/125	103/111	279/287	110/119	110/125	107/116	283/291	111/120	125/125	108/117	284/292	115/124	284/292	125/125	113/121	113/121	288/296		
		112A	24.0/32.0	66.7/77.0	125/137	125/150	120/131	294/304	129/141	150/150	125/135	298/308	130/142	150/150	126/137	299/309	134/146	299/309	150/150	130/141	130/141	303/313		
		112A+117A	31.8/42.4	88.4/102.0	152/168	175/175	145/160	404/431	156/172	175/175	150/164	408/435	157/173	175/175	151/165	409/436	161/177	409/436	175/200	155/170	155/170	413/440		
460-3-60	STD	NONE	-	19	20	19	97	20	20	21	99	21	21	25	22	23	23	25	24	24	101			
		116A	13.9	16.7	40	40	38	114	41	45	40	116	42	45	41	116	44	45	44	43	118			
		113A	16.5	19.8	43	45	42	117	45	45	119	46	46	50	45	119	47	50	47	47	121			
		114A	27.8	33.4	60	60	58	130	62	70	60	132	63	70	60	132	64	70	62	62	124			
		115A	33.0	39.7	68	70	65	137	70	70	67	139	71	80	67	139	72	80	69	69	126			
		114A+116A	41.7	50.2	81	90	77	197	83	90	79	199	84	90	79	199	85	90	82	82	128			
	MED	NONE	-	20	20	20	113	21	21	25	22	115	22	25	23	115	24	25	25	24	117			
		116A	13.9	16.7	40	40	39	130	42	45	42	132	43	45	42	132	44	45	44	44	119			
		113A	16.5	19.8	44	45	43	133	46	50	45	135	47	50	46	135	48	50	48	48	121			
		114A	27.8	33.4	61	70	59	146	63	70	61	148	64	70	61	148	65	70	63	63	123			
		115A	33.0	39.7	69	70	66	153	71	80	68	155	71	80	68	155	73	80	70	70	125			
		114A+116A	41.7	50.2	82	90	78	213	84	90	78	215	85	90	81	215	86	90	83	83	127			
575-3-60	STD	NONE	-	14	20	15	79	18	20	19	83	16	20	17	81	20	20	25	21	21	85			
		118A	17.0	20.4	40	40	38	99	44	45	43	103	42	45	40	101	45	45	45	45	105			
		119A	34.0	40.9	65	70	62	120	69	70	66	124	67	70	64	122	71	80	68	68	107			
		NONE	-	16	20	17	92	20	25	21	25	96	18	20	19	94	22	25	23	23	98			
		118A	17.0	20.4	42	45	40	112	45	45	45	114	43	45	42	114	47	50	46	46	110			
		119A	34.0	40.9	67	70	64	133	71	80	68	137	69	70	66	135	73	80	70	70	112			
	HIGH	NONE	-	16	20	17	92	20	25	21	96	18	20	19	94	22	25	23	23	23	98			
		118A	17.0	20.4	42	45	40	112	45	45	45	114	43	45	42	114	47	50	46	46	110			
		119A	34.0	40.9	67	70	64	133	71	80	68	137	69	70	66	135	73	80	70	70	112			
		NONE	-	16	20	17	92	20	25	21	96	18	20	19	94	22	25	23	23	23	98			
		118A	17.0	20.4	42	45	40	112	45	45	45	114	43	45	42	114	47	50	46	46	110			
		119A	34.0	40.9	67	70	64	133	71	80	68	137	69	70	66	135	73	80	70	70	112			

See: "Legend and Notes for Tables 1 and 2" on page 6.

Table 2 - 50TQC 08-09 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 RE.					w/ P.E. (pwrd fr/unit)					NO RE.					w/ P.E. (pwrd fr/unit)				
					MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	
50TQD09	STD	NONE	-	-	41/41	50/50	43/42	212	45/45	60/60	50/49	47/47	216	46/46	50/50	48/48	217	50/49	60/60	52/52	221			
		117A	7.8/10.4	21.7/25.0	68/72	70/80	68/71	234/237	72/76	80/80	75/78	72/75	238/241	73/77	80/80	73/77	239/242	77/81	80/80	77/81	243/246			
		110A	12.0/16.0	33.4/38.5	83/89	90/90	81/87	245/251	87/93	90/100	89/93	85/91	249/255	88/94	90/100	86/92	250/256	91/98	100/100	91/96	254/260			
		111A	18.6/24.8	51.7/59.7	106/116	110/125	102/111	264/272	110/119	110/125	106/115	106/115	268/276	111/120	125/125	108/116	269/277	114/124	125/125	112/121	273/281			
		112A	24.0/32.0	66.7/77.0	124/137	125/150	119/131	279/289	128/141	150/150	124/135	124/135	283/293	129/142	150/150	125/136	284/294	133/146	150/150	129/141	288/298			
		112A+117A	31.8/42.4	88.4/102.0	152/168	175/175	144/160	389/416	155/172	175/175	149/164	149/164	393/420	158/173	175/175	150/165	394/421	160/177	175/200	154/170	398/425			
	MED	NONE	-	-	44/43	50/50	46/45	242	48/47	60/60	50/49	46/45	246	49/48	60/60	51/50	247	60/60	52/52	251				
		117A	7.8/10.4	21.7/25.0	71/74	80/80	71/74	264/267	75/78	80/80	75/78	268/271	76/79	269/272	80/83	80/80	76/79	269/272	80/83	81/83	273/276			
		110A	12.0/16.0	33.4/38.5	86/91	90/100	84/89	275/281	89/95	90/100	89/93	279/285	90/96	280/286	94/100	90/100	90/95	280/286	94/100	94/99	284/290			
		111A	18.6/24.8	51.7/59.7	109/118	110/125	105/114	294/302	112/122	125/125	110/118	298/306	113/123	299/307	117/126	125/125	111/119	299/307	117/126	115/123	303/311			
		112A	24.0/32.0	66.7/77.0	127/139	150/150	122/133	309/319	131/143	150/150	127/138	313/323	132/144	314/324	136/148	150/150	128/139	314/324	136/148	132/143	318/328			
		112A+117A	31.8/42.4	88.4/102.0	154/171	175/175	147/162	419/446	158/174	175/175	152/167	423/450	159/175	424/451	163/179	175/200	157/172	424/451	163/179	157/172	428/455			
460-3-60	STD	NONE	-	-	19	25	20	111	21	25	22	113	21	25	22	113	23	25	24	115				
		116A	13.9	16.7	40	40	39	128	42	45	41	130	44	45	44	44	130	44	45	43	132			
		113A	16.5	19.8	44	45	42	131	46	50	44	133	46	50	46	50	133	48	50	47	135			
		114A	27.8	33.4	61	70	58	144	63	70	60	146	63	70	60	60	146	65	70	63	148			
		115A	33.0	39.7	69	70	66	151	70	80	67	153	71	80	68	80	153	73	80	70	155			
		114A+116A	41.7	50.2	82	90	77	211	84	90	79	213	84	90	81	90	213	86	90	82	215			
	MED	NONE	-	-	20	25	21	127	22	25	23	129	22	25	23	129	24	25	24	131				
		116A	13.9	16.7	41	45	40	144	43	45	42	146	43	45	42	146	45	45	44	148				
		113A	16.5	19.8	45	45	43	147	46	50	45	149	47	50	46	149	49	50	48	151				
		114A	27.8	33.4	62	70	59	160	63	70	61	162	64	70	62	162	66	70	64	164				
		115A	33.0	39.7	70	70	66	167	71	80	68	169	72	80	69	169	74	80	71	171				
		114A+116A	41.7	50.2	83	90	78	227	84	90	80	229	85	90	81	229	87	90	83	231				
575-3-60	STD	NONE	-	-	17	20	17	87	21	25	21	91	18	20	21	89	22	25	23	93				
		118A	17.0	20.4	42	45	40	107	46	50	45	111	44	45	42	109	48	50	47	113				
		119A	34.0	40.9	68	70	64	128	72	80	68	132	70	70	66	130	73	80	70	134				
		NONE	-	-	18	20	19	100	22	25	23	104	20	25	21	102	24	30	25	106				
		118A	17.0	20.4	44	45	42	120	48	50	47	124	46	50	44	122	49	50	49	126				
		119A	34.0	40.9	70	70	66	141	73	80	70	145	71	80	68	143	75	80	72	147				
	HIGH	NONE	-	-	18	20	19	100	22	25	23	104	20	25	21	102	24	30	25	106				
		118A	17.0	20.4	44	45	42	120	48	50	47	124	46	50	44	122	49	50	49	126				
		119A	34.0	40.9	70	70	66	141	73	80	70	145	71	80	68	143	75	80	72	147				
		NONE	-	-	18	20	19	100	22	25	23	104	20	25	21	102	24	30	25	106				
		118A	17.0	20.4	44	45	42	120	48	50	47	124	46	50	44	122	49	50	49	126				
		119A	34.0	40.9	70	70	66	141	73	80	70	145	71	80	68	143	75	80	72	147				

See: "Legend and Notes for Tables 1 and 2" on page 6.

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

NOTES:

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

2. Unbalanced 3-Phase Supply Voltage

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

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

Example: Supply voltage is 230-3-60



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

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

Determine maximum deviation from average voltage.

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

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

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

Maximum deviation is 4 v.

Determine percent of voltage imbalance.

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

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

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

