RHH 072–102
SINGLE PACKAGE ROOFTOP
HEAT PUMP UNIT
WITH R–410A REFRIGERANT

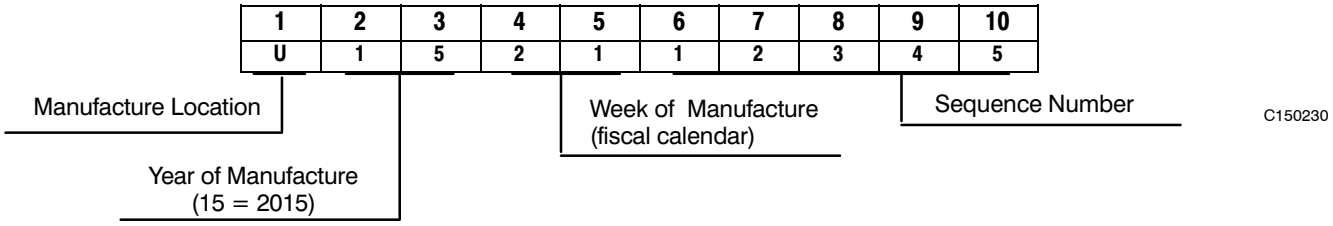
ELECTRICAL DATA SUPPLEMENT

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 RHH072–102 units manufactured on or after May 18, 2015. To confirm the date of manufacture of a RHH unit, locate the unit nameplate and check the second thru fifth digits of the Serial Number. If the number listed in the 2nd thru 5th digits of the Serial Number is 1521 or higher KEEP THIS DOCUMENT and use it along with the furnished Installation Instructions. The Serial Number is located directly below the unit's Model Number.

SERIAL NUMBER NOMENCLATURE



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 RHH 072–102 units manufactured on or after May 18, 2015. Check the second thru fifth digits of the Serial Number. If the number listed in the 2nd thru 5th digits of the Serial Number is 1521 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 – RHH072–102 Unit Wire/Fuse or HACR Breaker Sizing Data – Single Speed Indoor Fan Motor

UNIT	NO M. V–Ph–HZ	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.							
						NO P.E.				w/ P.E. (pwrd fr/unit)			
			CRHEATER* **A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RHH072	208/230–3–60	STD	NONE	–	–	33	50	32	161	37	50	36	165
			264A	4.9/6.5	13.6/15.6	50/53	60/60	48/50	175/177	54/56	60/60	52/54	179/181
			117A	7.8/10.4	21.7/25.0	60/64	60/70	57/61	183/186	64/68	70/80	61/65	187/190
			110A	12.0/16.0	33.4/38.5	75/81	80/90	70/76	194/200	79/85	80/90	75/81	198/204
			117A+117A	15.8/21.0	43.8/50.5	88/96	90/100	82/90	249/262	92/100	100/100	87/94	253/266
			110A+117A	19.9/26.5	55.2/63.8	102/113	110/125	95/105	271/289	106/117	110/125	100/110	275/293
		MED	NONE	–	–	35	50	35	198	39	50	39	202
			264A	4.9/6.5	13.6/15.6	52/55	60/60	50/53	212/214	56/59	60/60	55/57	216/218
			117A	7.8/10.4	21.7/25.0	63/67	70/70	60/63	220/223	66/71	80/80	64/68	224/227
			110A	12.0/16.0	33.4/38.5	77/84	80/90	73/79	231/237	81/87	90/90	77/83	235/241
			117A+117A	15.8/21.0	43.8/50.5	90/99	90/100	85/93	286/299	94/102	100/110	89/97	290/303
			110A+117A	19.9/26.5	55.2/63.8	104/115	110/125	98/108	308/326	108/119	110/125	102/112	312/330
		HIGH	NONE	–	–	42/41	60/50	42/41	230	45/44	60/60	46/45	234
			264A	4.9/6.5	13.6/15.6	59/60	60/70	57/59	244/246	62/64	70/70	62/63	248/250
			117A	7.8/10.4	21.7/25.0	69/72	80/80	67/69	252/255	72/76	80/80	71/74	256/259
			110A	12.0/16.0	33.4/38.5	83/89	90/90	80/85	263/269	87/93	90/100	84/89	267/273
			117A+117A	15.8/21.0	43.8/50.5	96/104	100/110	92/99	318/331	100/108	100/110	96/103	322/335
			110A+117A	19.9/26.5	55.2/63.8	111/120	125/125	105/114	340/358	114/124	125/125	109/118	344/362
	460–3–60	STD	NONE	–	–	15	20	14	79	17	20	16	81
			265A	6.0	7.2	24	25	23	86	26	30	25	88
			266A	11.5	13.8	32	35	30	93	34	35	32	95
			267A	14.0	16.8	36	40	34	96	38	40	36	98
			268A	23.0	27.7	50	50	46	107	51	60	48	109
			269A	25.5	30.7	53	60	50	110	55	60	52	112
		MED	NONE	–	–	16	20	15	98	18	25	17	100
			265A	6.0	7.2	25	30	23	105	27	30	26	107
			266A	11.5	13.8	33	35	31	112	35	35	33	114
			267A	14.0	16.8	37	40	35	115	39	40	37	117
			268A	23.0	27.7	50	50	47	126	52	60	49	128
			269A	25.5	30.7	54	60	50	129	56	60	53	131
		HIGH	NONE	–	–	19	25	19	114	21	25	21	116
			265A	6.0	7.2	28	30	27	121	30	30	29	123
			266A	11.5	13.8	36	40	35	128	38	40	37	130
			267A	14.0	16.8	40	40	38	131	42	45	40	133
			268A	23.0	27.7	53	60	50	142	55	60	53	144
			269A	25.5	30.7	57	60	54	145	59	60	56	147
	575–3–60	STD	NONE	–	–	12	15	11	66	15	20	15	70
			118A	17.0	20.4	37	40	34	86	41	45	39	90
			299A	25.7	25.8	44	45	40	92	48	50	45	96
		MED	NONE	–	–	13	15	12	81	17	20	17	85
			118A	17.0	20.4	38	40	36	101	42	45	40	105
			299A	25.7	25.8	45	45	42	107	49	50	46	111
		HIGH	NONE	–	–	16	20	15	95	19	25	20	99
			118A	17.0	20.4	41	45	39	115	45	45	43	119
			299A	25.7	25.8	48	50	45	121	52	60	49	125

See: Legend and Notes for Tables 1 and 2 on page 7.

Table 1 – RHH072–102 Unit Wire/Fuse or HACR Breaker Sizing Data – Single Speed Indoor Fan Motor (cont)

UNIT	NO M. V–Ph–HZ	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.							
						NO P.E.				w/ P.E. (pwrd fr/unit)			
			CRHEATER* **A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RHH090	208/230–3–60	STD	NONE	–	–	38	50	40	191	42	50	44	195
			117A	7.8/10.4	21.7/25.0	65/69	70/70	65/68	213/216	69/73	70/80	69/73	217/220
			110A	12.0/16.0	33.4/38.5	80/86	80/90	78/84	224/230	84/90	90/90	82/88	228/234
			111A	18.6/24.8	51.7/59.7	103/113	110/125	99/108	243/251	107/117	110/125	103/113	247/255
			112A	24.0/32.0	66.7/77.0	122/134	125/150	116/128	258/268	125/138	125/150	121/132	262/272
			112A+117A	31.8/42.4	88.4/102.0	149/166	150/175	141/157	368/395	152/169	175/175	146/161	372/399
		MED	NONE	–	–	40/40	50/50	42/41	229	44/43	50/50	46/46	233
			117A	7.8/10.4	21.7/25.0	67/71	70/80	66/70	251/254	71/75	80/80	71/74	255/258
			110A	12.0/16.0	33.4/38.5	82/88	90/90	80/86	262/268	85/92	90/100	84/90	266/272
			111A	18.6/24.8	51.7/59.7	104/114	110/125	101/110	281/289	108/118	110/125	105/114	285/293
			112A	24.0/32.0	66.7/77.0	123/136	125/150	118/130	296/306	127/140	150/150	123/134	300/310
			112A+117A	31.8/42.4	88.4/102.0	150/167	150/175	143/159	406/433	154/171	175/175	148/163	410/437
		HIGH	NONE	–	–	44	50	46	258	47	60	50	262
			117A	7.8/10.4	21.7/25.0	71/75	80/80	71/75	280/283	74/79	80/80	75/79	284/287
			110A	12.0/16.0	33.4/38.5	85/92	90/100	84/90	291/297	89/95	90/100	89/94	295/301
			111A	18.6/24.8	51.7/59.7	108/118	110/125	105/114	310/318	112/122	125/125	110/119	314/322
			112A	24.0/32.0	66.7/77.0	127/140	150/150	122/134	325/335	131/144	150/150	127/139	329/339
			112A+117A	31.8/42.4	88.4/102.0	154/171	175/175	147/163	435/462	158/175	175/175	152/167	439/466
	460–3–60	STD	NONE	–	–	18	20	19	95	20	25	21	97
			116A	13.9	16.7	39	40	38	112	41	45	40	114
			113A	16.5	19.8	43	45	42	115	45	45	44	117
			114A	27.8	33.4	60	60	57	128	62	70	59	130
			115A	33.0	39.7	68	70	65	135	70	70	67	137
			114A+116A	41.7	50.2	81	90	77	195	83	90	79	197
		MED	NONE	–	–	19	25	20	114	21	25	22	116
			116A	13.9	16.7	40	40	39	131	42	45	41	133
			113A	16.5	19.8	44	45	43	134	46	50	45	136
			114A	27.8	33.4	61	70	58	147	63	70	60	149
			115A	33.0	39.7	69	70	65	154	71	80	68	156
			114A+116A	41.7	50.2	82	90	78	214	84	90	80	216
		HIGH	NONE	–	–	21	25	22	129	23	25	24	131
			116A	13.9	16.7	42	45	41	146	44	45	43	148
			113A	16.5	19.8	46	50	45	149	48	50	47	151
			114A	27.8	33.4	63	70	60	162	65	70	62	164
			115A	33.0	39.7	71	80	68	169	73	80	70	171
			114A+116A	41.7	50.2	84	90	80	229	86	90	82	231
	575–3–60	STD	NONE	–	–	13	15	13	77	17	20	18	81
			118A	17.0	20.4	39	40	37	97	42	45	41	101
			119A	34.0	40.9	64	70	60	118	68	70	65	122
		MED	NONE	–	–	14	15	14	81	17	20	18	85
			118A	17.0	20.4	39	40	37	101	43	45	42	105
			119A	34.0	40.9	65	70	61	122	68	70	65	126
		HIGH	NONE	–	–	14	20	15	92	18	20	19	96
			118A	17.0	20.4	40	40	38	112	44	45	43	116
			119A	34.0	40.9	65	70	62	133	69	70	66	137

See: Legend and Notes for Tables 1 and 2 on page 7.

Table 1 – RHH072–102 Unit Wire/Fuse or HACR Breaker Sizing Data – Single Speed Indoor Fan Motor (cont)

UNIT	NO M. V–Ph–HZ	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.							
						NO P.E.				w/ P.E. (pwrd fr/unit)			
			CRHEATER* **A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RHH102	208/230–3–60	STD	NONE	–	–	46	60	47	236	49	60	52	240
			117A	7.8/10.4	21.7/25.0	73/77	80/80	72/76	258/261	76/81	80/90	77/80	262/265
			110A	12.0/16.0	33.4/38.5	87/94	90/100	86/92	269/275	91/97	100/100	90/96	273/279
			111A	18.6/24.8	51.7/59.7	110/120	110/125	107/116	288/296	114/124	125/125	111/120	292/300
			112A	24.0/32.0	66.7/77.0	129/142	150/150	124/136	303/313	133/146	150/150	128/140	307/317
			112A+117A	31.8/42.4	88.4/102.0	156/173	175/175	149/165	413/440	160/177	175/200	153/169	417/444
		MED	NONE	–	–	49/49	60/60	51/51	278	53/52	60/60	55/55	282
			117A	7.8/10.4	21.7/25.0	76/80	80/80	76/80	300/303	80/84	80/90	80/84	304/307
			110A	12.0/16.0	33.4/38.5	91/97	100/100	89/95	311/317	94/101	100/110	94/99	315/321
			111A	18.6/24.8	51.7/59.7	113/123	125/125	110/119	330/338	117/127	125/150	115/124	334/342
			112A	24.0/32.0	66.7/77.0	132/145	150/150	128/139	345/355	136/149	150/150	132/144	349/359
			112A+117A	31.8/42.4	88.4/102.0	159/176	175/200	153/168	455/482	163/180	175/200	157/173	459/486
		HIGH	NONE	–	–	51	60	53	292	55	60	58	296
			117A	7.8/10.4	21.7/25.0	78/82	80/90	78/82	314/317	82/86	90/90	83/87	318/321
			110A	12.0/16.0	33.4/38.5	93/99	100/100	92/98	325/331	97/103	100/110	96/102	329/335
			111A	18.6/24.8	51.7/59.7	116/126	125/150	113/122	344/352	119/129	125/150	117/127	348/356
			112A	24.0/32.0	66.7/77.0	134/147	150/150	130/142	359/369	138/151	150/175	135/146	363/373
			112A+117A	31.8/42.4	88.4/102.0	161/178	175/200	155/171	469/496	165/182	175/200	160/175	473/500
	460–3–60	STD	NONE	–	–	21	25	22	118	23	25	24	120
			116A	13.9	16.7	42	45	41	135	44	45	43	137
			113A	16.5	19.8	46	50	45	138	48	50	47	140
			114A	27.8	33.4	63	70	60	151	65	70	62	153
			115A	33.0	39.7	71	80	67	158	73	80	69	160
			114A+116A	41.7	50.2	84	90	79	218	86	90	82	220
		MED	NONE	–	–	23	25	24	139	25	30	26	141
			116A	13.9	16.7	44	45	43	156	45	45	45	158
			113A	16.5	19.8	47	50	46	159	49	50	48	161
			114A	27.8	33.4	64	70	62	172	66	70	64	174
			115A	33.0	39.7	72	80	69	179	74	80	71	181
			114A+116A	41.7	50.2	85	90	81	239	87	90	83	241
		HIGH	NONE	–	–	24	30	25	146	26	30	27	148
			116A	13.9	16.7	45	45	44	163	46	50	46	165
			113A	16.5	19.8	49	50	48	166	50	50	50	168
			114A	27.8	33.4	66	70	63	179	67	70	65	181
			115A	33.0	39.7	73	80	70	186	75	80	73	188
			114A+116A	41.7	50.2	87	90	83	246	88	90	85	248
	575–3–60	STD	NONE	–	–	17	20	17	97	21	25	22	101
			118A	17.0	20.4	42	45	41	117	46	50	45	121
			119A	34.0	40.9	68	70	64	138	72	80	69	142
		MED	NONE	–	–	18	20	18	108	21	25	22	112
			118A	17.0	20.4	43	45	42	128	47	50	46	132
			119A	34.0	40.9	69	70	65	149	72	80	69	153
		HIGH	NONE	–	–	18	20	18	108	21	25	22	112
			118A	17.0	20.4	43	45	42	128	47	50	46	132
			119A	34.0	40.9	69	70	65	149	72	80	69	153

See: Legend and Notes for Tables 1 and 2 on page 7.

Table 2 – RHH090–102 Unit Wire/Fuse or HACR Breaker Sizing Data – 2–Speed Indoor Fan Motor

UNIT	NO M. V–Ph–HZ	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.							
						NO P.E.				w/ P.E. (pwrd fr/unit)			
			CRHEATER* **A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RHH090	208/230–3–60	STD	NONE	–	–	39/39	50/50	40/40	195	43/42	50/50	45/44	199
			117A	7.8/10.4	21.7/25.0	66/70	70/70	65/69	217/220	70/74	70/80	70/73	221/224
			110A	12.0/16.0	33.4/38.5	80/87	90/90	79/84	228/234	84/90	90/90	83/89	232/238
			111A	18.6/24.8	51.7/59.7	103/113	110/125	100/109	247/255	107/117	110/125	104/113	251/259
			112A	24.0/32.0	66.7/77.0	122/135	125/150	117/129	262/272	126/139	150/150	121/133	266/276
			112A+117A	31.8/42.4	88.4/102.0	149/166	150/175	142/157	372/399	153/170	175/175	146/162	376/403
		MED	NONE	–	–	40/40	50/50	42/41	199	44/44	50/50	46/46	203
			117A	7.8/10.4	21.7/25.0	67/71	70/80	67/70	221/224	71/75	80/80	71/75	225/228
			110A	12.0/16.0	33.4/38.5	82/88	90/90	80/86	232/238	86/92	90/100	85/90	236/242
			111A	18.6/24.8	51.7/59.7	105/114	110/125	101/110	251/259	108/118	110/125	106/114	255/263
			112A	24.0/32.0	66.7/77.0	123/136	125/150	118/130	266/276	127/140	150/150	123/134	270/280
			112A+117A	31.8/42.4	88.4/102.0	151/167	175/175	143/159	376/403	154/171	175/175	148/163	380/407
		HIGH	NONE	–	–	44/43	50/50	46/45	249	48/47	60/50	50/49	253
			117A	7.8/10.4	21.7/25.0	71/74	80/80	71/74	271/274	75/78	80/80	75/78	275/278
			110A	12.0/16.0	33.4/38.5	85/91	90/100	84/89	282/288	89/95	90/100	89/93	286/292
			111A	18.6/24.8	51.7/59.7	108/117	110/125	105/114	301/309	112/121	125/125	110/118	305/313
			112A	24.0/32.0	66.7/77.0	127/139	150/150	123/133	316/326	131/143	150/150	127/138	320/330
			112A+117A	31.8/42.4	88.4/102.0	154/170	175/175	148/162	426/453	158/174	175/175	152/167	430/457
	460–3–60	STD	NONE	–	–	19	20	19	97	20	25	21	99
			116A	13.9	16.7	40	40	38	114	41	45	40	116
			113A	16.5	19.8	43	45	42	117	45	45	44	119
			114A	27.8	33.4	60	60	58	130	62	70	60	132
			115A	33.0	39.7	68	70	65	137	70	70	67	139
			114A+116A	41.7	50.2	81	90	77	197	83	90	79	199
		MED	NONE	–	–	19	25	20	100	21	25	22	102
			116A	13.9	16.7	40	40	39	117	42	45	41	119
			113A	16.5	19.8	44	45	43	120	46	50	45	122
			114A	27.8	33.4	61	70	58	133	63	70	60	135
			115A	33.0	39.7	69	70	65	140	71	80	68	142
			114A+116A	41.7	50.2	82	90	78	200	84	90	80	202
		HIGH	NONE	–	–	21	25	22	125	22	25	24	127
			116A	13.9	16.7	42	45	41	142	43	45	43	144
			113A	16.5	19.8	45	45	44	145	47	50	46	147
			114A	27.8	33.4	62	70	60	158	64	70	62	160
			115A	33.0	39.7	70	70	67	165	72	80	69	167
			114A+116A	41.7	50.2	83	90	79	225	85	90	81	227
	575–3–60	STD	NONE	–	–	14	20	15	79	18	20	19	83
			118A	17.0	20.4	40	40	38	99	44	45	43	103
			119A	34.0	40.9	65	70	62	120	69	70	66	124
		MED	NONE	–	–	15	20	16	83	19	20	20	87
			118A	17.0	20.4	41	45	39	103	44	45	43	107
			119A	34.0	40.9	66	70	63	124	70	70	67	128
		HIGH	NONE	–	–	16	20	17	92	20	25	21	96
			118A	17.0	20.4	42	45	40	112	45	45	45	116
			119A	34.0	40.9	67	70	64	133	71	80	68	137

See: Legend and Notes for Tables 1 and 2 on page 7.

Table 2 – RHH090–102 Unit Wire/Fuse or HACR Breaker Sizing Data – 2–Speed Indoor Fan Motor (cont)

UNIT	NO M. V–Ph–HZ	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.							
						NO P.E.				w/ P.E. (pwrd fr/unit)			
			CRHEATER* **A00	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RHH102	208/230–3–60	STD	NONE	–	–	47/47	60/60	49/49	233	51/51	60/60	54/53	237
			117A	7.8/10.4	21.7/25.0	75/78	80/80	74/78	255/258	78/82	80/90	79/82	259/262
			110A	12.0/16.0	33.4/38.5	89/95	90/100	88/93	266/272	93/99	100/100	92/98	270/276
			111A	18.6/24.8	51.7/59.7	112/122	125/125	109/118	285/293	116/126	125/150	113/122	289/297
			112A	24.0/32.0	66.7/77.0	131/143	150/150	126/138	300/310	135/147	150/150	131/142	304/314
			112A+117A	31.8/42.4	88.4/102.0	158/175	175/175	151/166	410/437	162/178	175/200	155/171	414/441
		MED	NONE	–	–	49/48	60/60	51/50	259	53/52	60/60	56/55	263
			117A	7.8/10.4	21.7/25.0	76/79	80/80	76/79	281/284	80/83	80/90	81/83	285/288
			110A	12.0/16.0	33.4/38.5	91/96	100/100	90/95	292/298	95/100	100/100	94/99	296/302
			111A	18.6/24.8	51.7/59.7	114/123	125/125	111/119	311/319	117/127	125/150	115/123	315/323
			112A	24.0/32.0	66.7/77.0	132/144	150/150	128/139	326/336	136/148	150/150	132/143	330/340
			112A+117A	31.8/42.4	88.4/102.0	159/176	175/200	153/168	436/463	163/179	175/200	157/172	440/467
		HIGH	NONE	–	–	51/50	60/60	54/53	283	55/54	60/60	58/57	287
			117A	7.8/10.4	21.7/25.0	78/81	80/90	79/81	305/308	82/85	90/90	83/86	309/312
			110A	12.0/16.0	33.4/38.5	93/98	100/100	92/97	316/322	97/102	100/110	96/101	320/326
			111A	18.6/24.8	51.7/59.7	116/125	125/125	113/121	335/343	120/129	125/150	118/126	339/347
			112A	24.0/32.0	66.7/77.0	135/146	150/150	130/141	350/360	138/150	150/150	135/145	354/364
			112A+117A	31.8/42.4	88.4/102.0	162/178	175/200	155/170	460/487	165/181	175/200	160/174	464/491
	460–3–60	STD	NONE	–	–	22	25	23	117	24	30	25	119
			116A	13.9	16.7	43	45	42	134	45	45	44	136
			113A	16.5	19.8	47	50	45	137	48	50	47	139
			114A	27.8	33.4	64	70	61	150	65	70	63	152
			115A	33.0	39.7	72	80	68	157	73	80	70	159
			114A+116A	41.7	50.2	85	90	80	217	86	90	82	219
		MED	NONE	–	–	22	25	23	130	24	30	25	132
			116A	13.9	16.7	43	45	42	147	45	45	44	149
			113A	16.5	19.8	47	50	46	150	49	50	48	152
			114A	27.8	33.4	64	70	62	163	66	70	64	165
			115A	33.0	39.7	72	80	69	170	74	80	71	172
			114A+116A	41.7	50.2	85	90	81	230	87	90	83	232
		HIGH	NONE	–	–	23	25	24	142	25	30	26	144
			116A	13.9	16.7	44	45	44	159	46	50	46	161
			113A	16.5	19.8	48	50	47	162	50	50	49	164
			114A	27.8	33.4	65	70	63	175	67	70	65	177
			115A	33.0	39.7	73	80	70	182	75	80	72	184
			114A+116A	41.7	50.2	86	90	82	242	88	90	84	244
	575–3–60	STD	NONE	–	–	18	20	19	99	22	25	23	103
			118A	17.0	20.4	44	45	42	119	48	50	47	123
			119A	34.0	40.9	69	70	66	140	73	80	70	144
		MED	NONE	–	–	19	25	20	108	23	25	24	112
			118A	17.0	20.4	45	45	43	128	49	50	48	132
			119A	34.0	40.9	70	70	67	149	74	80	71	153
		HIGH	NONE	–	–	19	25	20	108	23	25	24	112
			118A	17.0	20.4	45	45	43	128	49	50	48	132
			119A	34.0	40.9	70	70	67	149	74	80	71	153

See: Legend and Notes for Tables 1 and 2 on page 7.

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
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

$$\text{Average Voltage} = \frac{(224 + 231 + 226)}{3} = \frac{681}{3}$$

$$= 227$$

Determine maximum deviation from average voltage.
(AB) 227 – 224 = 3 v
(BC) 231 – 227 = 4 v
(AC) 227 – 226 = 1 v
Maximum deviation is 4 v.
Determine percent of voltage imbalance.

$$\% \text{ Voltage Imbalance} = 100 \times \frac{4}{227}$$

$$= 1.76\%$$

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.

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