

**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 RGH/RAH 072-120 units manufactured on or after May 18, 2015.** To confirm the date of manufacture of a RGH/RAH 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**

1	2	3	4	5	6	7	8	9	10
U	1	5	2	1	1	2	3	4	5


  

Manufacture Location		Week of Manufacture (fiscal calendar)	Sequence Number	
Year of Manufacture (15 = 2015)				C150230

**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 RGH/RAH 072-120 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 – RGH072–120 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.							
			NO P.E.				w/ P.E. (pwrd fr/ unit)			
			MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA
RGH072 (1-stage cool)	208/230–3–60	STD	33	50	32	161	37	50	36	165
		MED	36/36	50/50	36/36	214	40/40	50/50	40/40	218
		HIGH	42/41	60/50	42/41	230	45/44	60/60	46/45	234
	460–3–60	STD	15	20	14	79	17	20	16	81
		MED	17	20	16	106	18	25	18	108
		HIGH	19	25	19	114	21	25	21	116
	575–3–60	STD	12	15	11	66	15	20	15	70
		MED	13	15	12	81	17	20	17	85
		HIGH	16	20	15	95	19	25	20	99
RGH090 (2-stage cool)	208/230–3–60	STD	39	50	41	191	43	50	45	195
		MED	41/41	50/50	43/42	229	45/45	50/50	47/47	233
		HIGH	45	50	47	258	48	60	51	262
	460–3–60	STD	18	20	19	95	20	25	21	97
		MED	19	25	20	114	21	25	22	116
		HIGH	21	25	22	129	23	25	24	131
	575–3–60	STD	13	15	13	77	17	20	17	81
		MED	13	15	13	81	17	20	18	85
		HIGH	14	15	14	92	18	20	19	96
RGH102 (2-stage cool)	208/230–3–60	STD	39	50	41	191	43	50	45	195
		MED	41/41	50/50	43/43	229	45/45	50/50	47/47	233
		HIGH	45	50	47	258	49	60	52	262
	460–3–60	STD	19	20	19	95	20	25	21	97
		MED	19	25	20	114	21	25	22	116
		HIGH	21	25	22	129	23	25	24	131
	575–3–60	STD	14	15	14	77	18	20	19	81
		MED	14	20	15	81	18	20	19	85
		HIGH	15	20	16	92	19	20	20	96
RGH110 (2-stage cool)	208/230–3–60	STD	49	60	51	257	53	60	55	261
		MED	54	60	57	313	58	70	62	317
		HIGH	57/56	70/60	61/60	315	61/60	70/70	65/64	319
	460–3–60	STD	22	25	23	123	24	30	25	125
		MED	25	30	26	151	27	30	28	153
		HIGH	26	30	28	152	28	30	30	154
	575–3–60	STD	18	20	18	95	21	25	23	99
		MED	18	20	19	106	22	25	23	110
		HIGH	21	25	22	120	25	30	27	124
RGH120 (2-stage cool)	208/230–3–60	STD	48	60	50	282	51	60	54	286
		MED	53	60	56	338	57	70	60	342
		HIGH	56/55	60/60	59/58	340	60/59	70/70	64/63	344
	460–3–60	STD	23	30	24	135	25	30	26	137
		MED	26	30	27	163	28	30	29	165
		HIGH	27	30	29	164	29	35	31	166
	575–3–60	STD	18	20	18	105	22	25	23	109
		MED	19	20	19	116	22	25	24	120
		HIGH	21	25	22	130	25	30	27	134

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 2 – RGH072–120 Unit Wire Sizing Data with Factory Installed HACR Breaker – Single Speed Indoor Fan Motor**

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.							
			NO P.E.				w/ P.E. (pwrd fr/ unit)			
			MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA
RGH072 (1-stage cool)	208/230–3–60	STD	33	50	32	161	37	50	36	165
		MED	36/36	50/50	36/36	214	40/40	50/50	40/40	218
		HIGH	42/42	60/60	42/41	230	45/45	60/60	46/45	234
	460–3–60	STD	15	20	14	79	17	20	16	81
		MED	17	20	16	106	18	25	18	108
		HIGH	19	25	19	114	21	25	21	116
	575–3–60	STD	12	15	11	66	15	20	15	70
		MED	13	15	12	81	17	20	17	85
		HIGH	16	20	15	95	19	25	20	99
RGH090 (2-stage cool)	208/230–3–60	STD	39	50	41	191	43	50	45	195
		MED	41/41	50/50	43/42	229	45/45	50/50	47/47	233
		HIGH	45	50	47	258	48	60	51	262
	460–3–60	STD	18	20	19	95	20	25	21	97
		MED	19	25	20	114	21	25	22	116
		HIGH	21	25	22	129	23	25	24	131
	575–3–60	STD	13	15	13	77	17	20	17	81
		MED	13	15	13	81	17	20	18	85
		HIGH	14	15	14	92	18	20	19	96
RGH102 (2-stage cool)	208/230–3–60	STD	39	50	41	191	43	50	45	195
		MED	41/41	50/50	43/43	229	45/45	50/50	47/47	233
		HIGH	45	50	47	258	49	60	52	262
	460–3–60	STD	19	20	19	95	20	25	21	97
		MED	19	25	20	114	21	25	22	116
		HIGH	21	25	22	129	23	25	24	131
	575–3–60	STD	14	15	14	77	18	20	19	81
		MED	14	20	15	81	18	20	19	85
		HIGH	15	20	16	92	19	20	20	96
RGH110 (2-stage cool)	208/230–3–60	STD	49	60	51	257	53	60	55	261
		MED	54	60	57	313	58	70	62	317
		HIGH	57/57	70/70	61/60	315	61/61	70/70	65/64	319
	460–3–60	STD	22	25	23	123	24	30	25	125
		MED	25	30	26	151	27	30	28	153
		HIGH	26	30	28	152	28	30	30	154
	575–3–60	STD	18	20	18	95	21	25	23	99
		MED	18	20	19	106	22	25	23	110
		HIGH	21	25	22	120	25	30	27	124
RGH120 (2-stage cool)	208/230–3–60	STD	48	60	50	282	51	60	54	286
		MED	53	60	56	338	57	70	60	342
		HIGH	56/56	60/60	59/58	340	60/60	70/70	64/63	344
	460–3–60	STD	23	30	24	135	25	30	26	137
		MED	26	30	27	163	28	30	29	165
		HIGH	27	30	29	164	29	35	31	166
	575–3–60	STD	18	20	18	105	22	25	23	109
		MED	19	20	19	116	22	25	24	120
		HIGH	21	25	22	130	25	30	27	134

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 3 – RGH090–120 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.							
			NO P.E.				w/ P.E. (pwrd fr/ unit)			
			MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
FLA	LRA	FLA			LRA					
RGH090	208/230–3–60	STD	40/40	50/50	41/41	195	44/43	50/50	46/46	199
		MED	41/41	50/50	43/43	199	45/45	50/50	47/47	203
		HIGH	45/44	50/50	47/46	249	49/48	60/60	52/50	253
	460–3–60	STD	19	20	19	97	20	25	21	99
		MED	19	25	20	100	21	25	22	102
		HIGH	21	25	22	125	22	25	24	127
	575–3–60	STD	14	15	14	79	18	20	19	83
		MED	15	20	15	83	18	20	19	87
		HIGH	16	20	16	92	19	25	21	96
RGH102	208/230–3–60	STD	40/40	50/50	42/41	195	44/44	50/50	46/46	199
		MED	41/41	50/50	43/43	199	45/45	50/50	47/47	203
		HIGH	45/44	50/50	47/46	249	49/48	60/60	52/51	253
	460–3–60	STD	19	25	19	97	21	25	22	99
		MED	19	25	20	100	21	25	22	102
		HIGH	21	25	22	125	23	25	24	127
	575–3–60	STD	15	20	16	79	19	20	20	83
		MED	16	20	16	83	20	25	21	87
		HIGH	17	20	18	92	21	25	22	96
RGH110	208/230–3–60	STD	51/50	60/60	53/53	254	55/54	60/60	58/57	258
		MED	54/53	60/60	58/56	304	58/57	70/70	62/61	308
		HIGH	57/56	70/60	61/60	315	61/60	70/70	65/64	319
	460–3–60	STD	23	25	24	122	25	30	26	124
		MED	25	30	26	147	27	30	28	149
		HIGH	26	30	28	152	28	30	30	154
	575–3–60	STD	19	20	20	97	23	25	24	101
		MED	20	25	21	106	24	25	25	110
		HIGH	22	25	23	120	26	30	27	124
RGH120	208/230–3–60	STD	50/49	60/60	52/52	279	53/53	60/60	56/56	283
		MED	53/52	60/60	56/55	329	57/56	70/60	60/59	333
		HIGH	56/55	60/60	59/58	340	60/59	70/70	64/63	344
	460–3–60	STD	24	30	25	134	26	30	27	136
		MED	26	30	27	159	28	30	29	161
		HIGH	27	30	29	164	29	35	31	166
	575–3–60	STD	19	25	20	107	23	25	24	111
		MED	20	25	21	116	24	30	26	120
		HIGH	22	25	23	130	26	30	27	134

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 4 – RGH090–120 Unit Wire Sizing Data with Factory Installed HACR Breaker – 2–Speed Indoor Fan Motor**

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.							
			NO P.E.				w/ P.E. (pwrd fr/ unit)			
			MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA
RGH090 (2-stage cool)	208/230–3–60	STD	40/40	50/50	41/41	195	44/44	50/50	46/46	199
		MED	41/41	50/50	43/43	199	45/45	50/50	47/47	203
		HIGH	45/45	50/50	47/46	249	49/49	60/60	52/50	253
	460–3–60	STD	19	20	19	97	20	25	21	99
		MED	19	25	20	100	21	25	22	102
		HIGH	21	25	22	125	22	25	24	127
	575–3–60	STD	14	15	14	79	18	20	19	83
		MED	15	20	15	83	18	20	19	87
		HIGH	16	20	16	92	19	25	21	96
RGH102 (2-stage cool)	208/230–3–60	STD	40/40	50/50	42/41	195	44/44	50/50	46/46	199
		MED	41/41	50/50	43/43	199	45/45	50/50	47/47	203
		HIGH	45/45	50/50	47/46	249	49/49	60/60	52/51	253
	460–3–60	STD	19	25	19	97	21	25	22	99
		MED	19	25	20	100	21	25	22	102
		HIGH	21	25	22	125	23	25	24	127
	575–3–60	STD	15	20	16	79	19	20	20	83
		MED	16	20	16	83	20	25	21	87
		HIGH	17	20	18	92	21	25	22	96
RGH110 (2-stage cool)	208/230–3–60	STD	51/51	60/60	53/53	254	55/55	60/60	58/57	258
		MED	54/54	60/60	58/56	304	58/58	70/70	62/61	308
		HIGH	57/57	70/70	61/60	315	61/61	70/70	65/64	319
	460–3–60	STD	23	25	24	122	25	30	26	124
		MED	25	30	26	147	27	30	28	149
		HIGH	26	30	28	152	28	30	30	154
	575–3–60	STD	19	20	20	97	23	25	24	101
		MED	20	25	21	106	24	25	25	110
		HIGH	22	25	23	120	26	30	27	124
RGH120 (2-stage cool)	208/230–3–60	STD	50/50	60/60	52/52	279	53/53	60/60	56/56	283
		MED	53/53	60/60	56/55	329	57/57	70/70	60/59	333
		HIGH	56/56	60/60	59/58	340	60/60	70/70	64/63	344
	460–3–60	STD	24	30	25	134	26	30	27	136
		MED	26	30	27	159	28	30	29	161
		HIGH	27	30	29	164	29	35	31	166
	575–3–60	STD	19	25	20	107	23	25	24	111
		MED	20	25	21	116	24	30	26	120
		HIGH	22	25	23	130	26	30	27	134

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 5 – RAH072–120 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.							
			CRHEATER* **A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
						MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH072 (1–stage cool)	208/230–3–60	STD	NONE	–	–	33	50	32	161	37	50	36	165
			264A	4.9/6.5	13.6/15.6	33/33	50/50	32/32	161/161	37/37	50/50	36/36	165/165
			117A	7.8/10.4	21.7/25.0	34/38	50/50	32/35	161/161	39/43	50/50	36/39	165/165
			110A	12.0/16.0	33.4/38.5	49/55	50/60	44/50	161/161	53/60	60/60	49/55	165/165
			117A+117A	15.8/21.0	43.8/50.5	62/70	70/70	56/64	161/161	66/75	70/80	61/68	165/165
		110A+117A	19.9/26.5	55.2/63.8	76/87	80/90	69/79	161/161	81/91	90/100	74/84	165/165	
		MED	NONE	–	–	36/36	50/50	36/36	214	40/40	50/50	40/40	218
			264A	4.9/6.5	13.6/15.6	36/36	50/50	36/36	214/214	40/40	50/50	40/40	218/218
			117A	7.8/10.4	21.7/25.0	38/42	50/50	36/38	214/214	43/47	50/50	40/43	218/218
	110A		12.0/16.0	33.4/38.5	53/59	60/60	48/54	214/214	57/64	60/70	52/58	218/218	
	117A+117A		15.8/21.0	43.8/50.5	66/74	70/80	60/68	214/214	70/79	80/80	64/72	218/218	
	110A+117A	19.9/26.5	55.2/63.8	80/91	80/100	73/83	214/214	85/95	90/100	78/87	218/218		
	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	42/41	60/50	42/41	230/230	45/44	60/60	46/45	234/234	
		117A	7.8/10.4	21.7/25.0	45/48	60/50	42/43	230/230	49/52	60/60	46/48	234/234	
		110A	12.0/16.0	33.4/38.5	59/64	60/70	54/59	230/230	64/69	70/70	58/63	234/234	
		117A+117A	15.8/21.0	43.8/50.5	72/79	80/80	66/73	230/230	77/84	80/90	70/77	234/234	
	110A+117A	19.9/26.5	55.2/63.8	86/96	90/100	79/88	230/230	91/101	100/110	83/92	234/234		
	460–3–60	STD	NONE	–	–	15	20	14	79	17	20	16	81
			265A	6.0	7.2	15	20	14	79	17	20	16	81
			266A	11.5	13.8	21	25	19	79	23	25	21	81
			267A	14.0	16.8	25	25	22	79	27	30	24	81
			268A	23.0	27.7	38	40	35	79	41	45	37	81
		269A	25.5	30.7	42	45	38	79	44	45	40	81	
MED		NONE	–	–	17	20	16	106	18	25	18	108	
		265A	6.0	7.2	17	20	16	106	18	25	18	108	
		266A	11.5	13.8	23	25	21	106	25	25	23	108	
		267A	14.0	16.8	27	30	24	106	29	30	26	108	
		268A	23.0	27.7	40	40	37	106	43	45	39	108	
269A		25.5	30.7	44	45	40	106	46	50	42	108		
HIGH		NONE	–	–	19	25	19	114	21	25	21	116	
		265A	6.0	7.2	19	25	19	114	21	25	21	116	
		266A	11.5	13.8	26	30	23	114	28	30	25	116	
	267A	14.0	16.8	29	30	27	114	32	35	29	116		
	268A	23.0	27.7	43	45	39	114	45	45	41	116		
269A	25.5	30.7	47	50	43	114	49	50	45	116			
575–3–60	STD	NONE	–	–	12	15	11	66	15	20	15	70	
		118A	17.0	20.4	28	30	25	66	33	35	30	70	
		299A	25.7	25.8	35	35	32	66	39	40	36	70	
	MED	NONE	–	–	13	15	12	81	17	20	17	85	
		118A	17.0	20.4	29	30	27	81	34	35	31	85	
		299A	25.7	25.8	36	40	33	81	41	45	37	85	
	HIGH	NONE	–	–	16	20	15	95	19	25	20	99	
		118A	17.0	20.4	33	35	30	95	38	40	34	99	
		299A	25.7	25.8	40	40	36	95	44	45	40	99	

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 5 –RAH072–120 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.							
			CRHEATER* **A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
						MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH090 (2–stage cool)	208/230–3–60	STD	NONE	–	–	39	50	41	191	43	50	45	195
			117A	7.8/10.4	21.7/25.0	39/39	50/50	41/41	191/191	43/43	50/50	45/45	195/195
			110A	12.0/16.0	33.4/38.5	49/55	50/60	44/50	191/191	53/60	60/60	49/55	195/195
			111A	18.6/24.8	51.7/59.7	72/82	80/90	65/75	191/191	76/86	80/90	70/79	195/195
			112A	24.0/32.0	66.7/77.0	90/103	90/110	83/95	191/191	95/108	100/110	87/99	195/195
		112A+117A	31.8/42.4	88.4/102.0	117/134	125/150	108/123	191/191	122/139	125/150	112/128	195/195	
		MED	NONE	–	–	41/41	50/50	43/42	229	45/45	50/50	47/47	233
			117A	7.8/10.4	21.7/25.0	41/41	50/50	43/42	229/229	45/45	50/50	47/47	233/233
			110A	12.0/16.0	33.4/38.5	51/57	60/60	46/52	229/229	56/62	60/70	51/56	233/233
	111A		18.6/24.8	51.7/59.7	74/83	80/90	67/76	229/229	78/88	80/90	72/81	233/233	
	112A		24.0/32.0	66.7/77.0	92/105	100/110	85/96	229/229	97/110	100/110	89/101	233/233	
	112A+117A	31.8/42.4	88.4/102.0	120/136	125/150	110/125	229/229	124/141	125/150	114/129	233/233		
	HIGH	NONE	–	–	45	50	47	258	48	60	51	262	
		117A	7.8/10.4	21.7/25.0	45/45	50/50	47/47	258/258	48/50	60/60	51/51	262/262	
		110A	12.0/16.0	33.4/38.5	55/62	60/70	51/56	258/258	60/67	60/70	55/61	262/262	
		111A	18.6/24.8	51.7/59.7	78/88	80/90	72/81	258/258	83/93	90/100	76/85	262/262	
		112A	24.0/32.0	66.7/77.0	97/110	100/110	89/101	258/258	102/115	110/125	93/105	262/262	
	112A+117A	31.8/42.4	88.4/102.0	124/141	125/150	114/129	258/258	129/146	150/150	118/134	262/262		
	460–3–60	STD	NONE	–	–	18	20	19	95	20	25	21	97
			116A	13.9	16.7	25	25	22	95	27	30	24	97
			113A	16.5	19.8	28	30	26	95	31	35	28	97
			114A	27.8	33.4	45	50	41	95	48	50	43	97
			115A	33.0	39.7	53	60	49	95	56	60	51	97
		114A+116A	41.7	50.2	66	70	61	95	69	70	63	97	
MED		NONE	–	–	19	25	20	114	21	25	22	116	
		116A	13.9	16.7	26	30	23	114	28	30	25	116	
		113A	16.5	19.8	29	30	27	114	32	35	29	116	
		114A	27.8	33.4	46	50	42	114	49	50	44	116	
		115A	33.0	39.7	54	60	50	114	57	60	52	116	
114A+116A		41.7	50.2	67	70	62	114	70	70	64	116		
HIGH		NONE	–	–	21	25	22	129	23	25	24	131	
		116A	13.9	16.7	28	30	25	129	30	30	27	131	
		113A	16.5	19.8	32	35	29	129	34	35	31	131	
	114A	27.8	33.4	49	50	45	129	51	60	47	131		
	115A	33.0	39.7	57	60	52	129	59	60	54	131		
575–3–60	STD	NONE	–	–	13	15	13	77	17	20	17	81	
		118A	17.0	20.4	28	30	25	77	33	35	30	81	
		119A	34.0	40.9	54	60	49	77	58	60	53	81	
	MED	NONE	–	–	13	15	13	81	17	20	18	85	
		118A	17.0	20.4	28	30	26	81	33	35	30	85	
		119A	34.0	40.9	54	60	49	81	59	60	54	85	
	HIGH	NONE	–	–	14	15	14	92	18	20	19	96	
		118A	17.0	20.4	29	30	27	92	34	35	31	96	
		119A	34.0	40.9	55	60	50	92	60	60	55	96	

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 5 –RAH072–120 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.							
			CRHEATER* **A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
						MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH102 (2–stage cool)	208/230–3–60	STD	NONE	–	–	39	50	41	191	43	50	45	195
			117A	7.8/10.4	21.7/25.0	39/39	50/50	41/41	191/191	43/43	50/50	45/45	195/195
			110A	12.0/16.0	33.4/38.5	49/55	50/60	44/50	191/191	53/60	60/60	49/55	195/195
			111A	18.6/24.8	51.7/59.7	72/82	80/90	65/75	191/191	76/86	80/90	70/79	195/195
			112A	24.0/32.0	66.7/77.0	90/103	90/110	83/95	191/191	95/108	100/110	87/99	195/195
		112A+117A	31.8/42.4	88.4/102.0	117/134	125/150	108/123	191/191	122/139	125/150	112/128	195/195	
		MED	NONE	–	–	41/41	50/50	43/43	229	45/45	50/50	47/47	233
			117A	7.8/10.4	21.7/25.0	41/41	50/50	43/43	229/229	45/45	50/50	47/47	233/233
			110A	12.0/16.0	33.4/38.5	51/57	60/60	46/52	229/229	56/62	60/70	51/56	233/233
	111A		18.6/24.8	51.7/59.7	74/83	80/90	67/76	229/229	78/88	80/90	72/81	233/233	
	112A		24.0/32.0	66.7/77.0	92/105	100/110	85/96	229/229	97/110	100/110	89/101	233/233	
	112A+117A	31.8/42.4	88.4/102.0	120/136	125/150	110/125	229/229	124/141	125/150	114/129	233/233		
	HIGH	NONE	–	–	45	50	47	258	49	60	52	262	
		117A	7.8/10.4	21.7/25.0	45/45	50/50	47/47	258/258	49/50	60/60	52/52	262/262	
		110A	12.0/16.0	33.4/38.5	55/62	60/70	51/56	258/258	60/67	60/70	55/61	262/262	
		111A	18.6/24.8	51.7/59.7	78/88	80/90	72/81	258/258	83/93	90/100	76/85	262/262	
		112A	24.0/32.0	66.7/77.0	97/110	100/110	89/101	258/258	102/115	110/125	93/105	262/262	
	112A+117A	31.8/42.4	88.4/102.0	124/141	125/150	114/129	258/258	129/146	150/150	118/134	262/262		
	460–3–60	STD	NONE	–	–	19	20	19	95	20	25	21	97
			116A	13.9	16.7	25	25	22	95	27	30	24	97
			113A	16.5	19.8	28	30	26	95	31	35	28	97
			114A	27.8	33.4	45	50	41	95	48	50	43	97
			115A	33.0	39.7	53	60	49	95	56	60	51	97
		114A+116A	41.7	50.2	66	70	61	95	69	70	63	97	
MED		NONE	–	–	19	25	20	114	21	25	22	116	
		116A	13.9	16.7	26	30	23	114	28	30	25	116	
		113A	16.5	19.8	29	30	27	114	32	35	29	116	
		114A	27.8	33.4	46	50	42	114	49	50	44	116	
		115A	33.0	39.7	54	60	50	114	57	60	52	116	
114A+116A		41.7	50.2	67	70	62	114	70	70	64	116		
HIGH		NONE	–	–	21	25	22	129	23	25	24	131	
		116A	13.9	16.7	28	30	25	129	30	30	27	131	
		113A	16.5	19.8	32	35	29	129	34	35	31	131	
	114A	27.8	33.4	49	50	45	129	51	60	47	131		
	115A	33.0	39.7	57	60	52	129	59	60	54	131		
114A+116A	41.7	50.2	70	70	64	129	72	80	66	131			
575–3–60	STD	NONE	–	–	14	15	14	77	18	20	19	81	
		118A	17.0	20.4	28	30	25	77	33	35	30	81	
		119A	34.0	40.9	54	60	49	77	58	60	53	81	
	MED	NONE	–	–	14	20	15	81	18	20	19	85	
		118A	17.0	20.4	28	30	26	81	33	35	30	85	
		119A	34.0	40.9	54	60	49	81	59	60	54	85	
	HIGH	NONE	–	–	15	20	16	92	19	20	20	96	
		118A	17.0	20.4	29	30	27	92	34	35	31	96	
		119A	34.0	40.9	55	60	50	92	60	60	55	96	

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 5 –RAH072–120 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.							
			CRHEATER ***A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
						MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH110 (2–stage cool)	208/230–3–60	STD	NONE	–	–	49	60	51	257	53	60	55	261
			117A	7.8/10.4	21.7/25.0	49/49	60/60	51/51	257/257	53/53	60/60	55/55	261/261
			110A	12.0/16.0	33.4/38.5	49/55	60/60	51/51	257/257	53/60	60/60	55/55	261/261
			112A	24.0/32.0	66.7/77.0	90/103	90/110	83/95	257/257	95/108	100/110	87/99	261/261
			112A+117A	31.8/42.4	88.4/102.0	117/134	125/150	108/123	257/257	122/139	125/150	112/128	261/261
			112A+110A	37.6/50.0	104.2/120.3	137/127	150/150	126/144	257/257	142/132	150/150	130/149	261/261
		MED	NONE	–	–	54	60	57	313	58	70	62	317
			117A	7.8/10.4	21.7/25.0	54/54	60/60	57/57	313/313	58/58	70/70	62/62	317/317
			110A	12.0/16.0	33.4/38.5	55/62	60/70	57/57	313/313	60/67	70/70	62/62	317/317
			112A	24.0/32.0	66.7/77.0	97/110	100/110	89/101	313/313	102/115	110/125	93/105	317/317
			112A+117A	31.8/42.4	88.4/102.0	124/141	125/150	114/129	313/313	129/146	150/150	118/134	317/317
			112A+110A	37.6/50.0	104.2/120.3	144/134	150/150	132/151	313/313	149/139	150/150	136/155	317/317
	HIGH	NONE	–	–	57/56	70/60	61/60	315	61/60	70/70	65/64	319	
		117A	7.8/10.4	21.7/25.0	57/56	70/60	61/60	315/315	61/60	70/70	65/64	319/319	
		110A	12.0/16.0	33.4/38.5	59/64	70/70	61/60	315/315	64/69	70/70	65/64	319/319	
		112A	24.0/32.0	66.7/77.0	101/113	110/125	92/103	315/315	106/117	110/125	97/108	319/319	
		112A+117A	31.8/42.4	88.4/102.0	128/144	150/150	117/132	315/315	133/149	150/150	122/136	319/319	
		112A+110A	37.6/50.0	104.2/120.3	148/137	150/150	135/153	315/315	152/141	175/175	140/157	319/319	
	460–3–60	STD	NONE	–	–	22	25	23	123	24	30	25	125
			116A	13.9	16.7	25	25	23	123	27	30	25	125
			113A	16.5	19.8	28	30	26	123	31	35	28	125
			115A	33.0	39.7	53	60	49	123	56	60	51	125
			114A+116A	41.7	50.2	66	70	61	123	69	70	63	125
			115A+113A	50.0	60.1	64	70	72	123	66	70	74	125
MED		NONE	–	–	25	30	26	151	27	30	28	153	
		116A	13.9	16.7	28	30	26	151	30	30	28	153	
		113A	16.5	19.8	32	35	29	151	34	35	31	153	
		115A	33.0	39.7	57	60	52	151	59	60	54	153	
		114A+116A	41.7	50.2	70	70	64	151	72	80	66	153	
		115A+113A	50.0	60.1	67	80	75	151	69	80	77	153	
HIGH	NONE	–	–	26	30	28	152	28	30	30	154		
	116A	13.9	16.7	29	30	28	152	32	35	30	154		
	113A	16.5	19.8	33	35	30	152	35	35	32	154		
	115A	33.0	39.7	58	60	53	152	60	60	55	154		
	114A+116A	41.7	50.2	71	80	65	152	73	80	67	154		
	115A+113A	50.0	60.1	69	80	76	152	71	80	79	154		
575–3–60	STD	NONE	–	–	18	20	18	95	21	25	23	99	
		118A	17.0	20.4	28	30	26	95	33	35	30	99	
		119A	34.0	40.9	54	60	49	95	59	60	54	99	
		118A+119A	51.0	61.3	64	70	73	95	69	80	77	99	
	MED	NONE	–	–	18	20	19	106	22	25	23	110	
		118A	17.0	20.4	29	30	27	106	34	35	31	110	
		119A	34.0	40.9	55	60	50	106	60	60	55	110	
		118A+119A	51.0	61.3	65	70	74	106	70	80	78	110	
	HIGH	NONE	–	–	21	25	22	120	25	30	27	124	
		118A	17.0	20.4	33	35	30	120	38	40	34	124	
		119A	34.0	40.9	59	60	53	120	63	70	58	124	
		118A+119A	51.0	61.3	69	80	77	120	74	80	81	124	

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 5 –RAH072–120 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.							
			CRHEATER ***A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
						MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH120 (2–stage cool)	208/230–3–60	STD	NONE	–	–	48	60	50	282	51	60	54	286
			117A	7.8/10.4	21.7/25.0	48/48	60/60	50/50	282/282	51/51	60/60	54/54	286/286
			110A	12.0/16.0	33.4/38.5	49/55	60/60	50/50	282/282	53/60	60/60	54/55	286/286
			112A	24.0/32.0	66.7/77.0	90/103	90/110	83/95	282/282	95/108	100/110	87/99	286/286
			112A+117A	31.8/42.4	88.4/102.0	117/134	125/150	108/123	282/282	122/139	125/150	112/128	286/286
		112A+110A	37.6/50.0	104.2/120.3	137/127	150/150	126/144	282/282	142/132	150/150	130/149	286/286	
		MED	NONE	–	–	53	60	56	338	57	70	60	342
			117A	7.8/10.4	21.7/25.0	53/53	60/60	56/56	338/338	57/57	70/70	60/60	342/342
			110A	12.0/16.0	33.4/38.5	55/62	60/70	56/56	338/338	60/67	70/70	60/61	342/342
	112A		24.0/32.0	66.7/77.0	97/110	100/110	89/101	338/338	102/115	110/125	93/105	342/342	
	HIGH	112A+117A	31.8/42.4	88.4/102.0	124/141	125/150	114/129	338/338	129/146	150/150	118/134	342/342	
		112A+110A	37.6/50.0	104.2/120.3	144/134	150/150	132/151	338/338	149/139	150/150	136/155	342/342	
		NONE	–	–	56/55	60/60	59/58	340	60/59	70/70	64/63	344	
		117A	7.8/10.4	21.7/25.0	56/55	60/60	59/58	340/340	60/59	70/70	64/63	344/344	
		110A	12.0/16.0	33.4/38.5	59/64	60/70	59/59	340/340	64/69	70/70	64/63	344/344	
	112A	24.0/32.0	66.7/77.0	101/113	110/125	92/103	340/340	106/117	110/125	97/108	344/344		
	112A+117A	31.8/42.4	88.4/102.0	128/144	150/150	117/132	340/340	133/149	150/150	122/136	344/344		
	112A+110A	37.6/50.0	104.2/120.3	148/137	150/150	135/153	340/340	152/141	175/175	140/157	344/344		
RAH120 (2–stage cool)	460–3–60	STD	NONE	–	–	23	30	24	135	25	30	26	137
			116A	13.9	16.7	25	30	24	135	27	30	26	137
			113A	16.5	19.8	28	30	26	135	31	35	28	137
			115A	33.0	39.7	53	60	49	135	56	60	51	137
			114A+116A	41.7	50.2	66	70	61	135	69	70	63	137
		115A+113A	50.0	60.1	64	70	72	135	66	70	74	137	
		MED	NONE	–	–	26	30	27	163	28	30	29	165
			116A	13.9	16.7	28	30	27	163	30	30	29	165
			113A	16.5	19.8	32	35	29	163	34	35	31	165
	115A		33.0	39.7	57	60	52	163	59	60	54	165	
	114A+116A	41.7	50.2	70	70	64	163	72	80	66	165		
	115A+113A	50.0	60.1	67	80	75	163	69	80	77	165		
	HIGH	NONE	–	–	27	30	29	164	29	35	31	166	
		116A	13.9	16.7	29	30	29	164	32	35	31	166	
		113A	16.5	19.8	33	35	30	164	35	35	32	166	
		115A	33.0	39.7	58	60	53	164	60	60	55	166	
		114A+116A	41.7	50.2	71	80	65	164	73	80	67	166	
	115A+113A	50.0	60.1	69	80	76	164	71	80	79	166		
575–3–60	STD	NONE	–	–	18	20	18	105	22	25	23	109	
		118A	17.0	20.4	28	30	26	105	33	35	30	109	
		119A	34.0	40.9	54	60	49	105	59	60	54	109	
		118A+119A	51.0	61.3	64	70	73	105	69	80	77	109	
	MED	NONE	–	–	19	20	19	116	22	25	24	120	
		118A	17.0	20.4	29	30	27	116	34	35	31	120	
		119A	34.0	40.9	55	60	50	116	60	60	55	120	
		118A+119A	51.0	61.3	65	70	74	116	70	80	78	120	
	HIGH	NONE	–	–	21	25	22	130	25	30	27	134	
		118A	17.0	20.4	33	35	30	130	38	40	34	134	
		119A	34.0	40.9	59	60	53	130	63	70	58	134	
		118A+119A	51.0	61.3	69	80	77	130	74	80	81	134	

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 6 – RAH072–120 Unit Wire Sizing Data with Factory Installed HACR Breaker – Single Speed Indoor Fan Motor**

UNIT	NO M. V-Ph-HZ	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.							
			CRHEATER ***A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrdr fr/unit)			
						MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
208/230-3-60	STD	NONE	-	-	33	50	32	161	37	50	36	165	
		264A	4.9/6.5	13.6/15.6	33/33	50/50	32/32	161/161	37/37	50/50	36/36	165/165	
		117A	7.8/10.4	21.7/25.0	38/38	50/50	32/35	161/161	43/43	50/50	36/39	165/165	
		110A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	161/161	60/60	60/60	49/55	165/165	
		117A+117A	15.8/21.0	43.8/50.5	70/70	70/70	56/64	161/161	75/75	80/80	61/68	165/165	
	110A+117A	19.9/26.5	55.2/63.8	87/87	90/90	69/79	161/161	91/91	100/100	74/84	165/165		
	MED	NONE	-	-	36/36	50/50	36/36	214	40/40	50/50	40/40	218	
		264A	4.9/6.5	13.6/15.6	36/36	50/50	36/36	214/214	40/40	50/50	40/40	218/218	
		117A	7.8/10.4	21.7/25.0	42/42	50/50	36/38	214/214	47/47	50/50	40/43	218/218	
		110A	12.0/16.0	33.4/38.5	59/59	60/60	48/54	214/214	64/64	70/70	52/58	218/218	
		117A+117A	15.8/21.0	43.8/50.5	74/74	80/80	60/68	214/214	79/79	80/80	64/72	218/218	
	110A+117A	19.9/26.5	55.2/63.8	91/91	100/100	73/83	214/214	95/95	100/100	78/87	218/218		
	HIGH	NONE	-	-	42/42	60/60	42/41	230	45/45	60/60	46/45	234	
		264A	4.9/6.5	13.6/15.6	42/42	60/60	42/41	230/230	45/45	60/60	46/45	234/234	
		117A	7.8/10.4	21.7/25.0	48/48	60/60	42/43	230/230	52/52	60/60	46/48	234/234	
110A		12.0/16.0	33.4/38.5	64/64	70/70	54/59	230/230	69/69	70/70	58/63	234/234		
117A+117A		15.8/21.0	43.8/50.5	79/79	80/80	66/73	230/230	84/84	90/90	70/77	234/234		
110A+117A	19.9/26.5	55.2/63.8	96/96	100/100	79/88	230/230	101/101	110/110	83/92	234/234			
RAH072 (1-stage cool)	460-3-60	STD	NONE	-	-	15	20	14	79	17	20	16	81
			265A	6.0	7.2	15	20	14	79	17	20	16	81
			266A	11.5	13.8	21	25	19	79	23	25	21	81
			267A	14.0	16.8	25	25	22	79	27	30	24	81
			268A	23.0	27.7	38	40	35	79	41	45	37	81
	269A	25.5	30.7	42	45	38	79	44	45	40	81		
	MED	NONE	-	-	17	20	16	106	18	25	18	108	
		265A	6.0	7.2	17	20	16	106	18	25	18	108	
		266A	11.5	13.8	23	25	21	106	25	25	23	108	
		267A	14.0	16.8	27	30	24	106	29	30	26	108	
		268A	23.0	27.7	40	40	37	106	43	45	39	108	
	269A	25.5	30.7	44	45	40	106	46	50	42	108		
	HIGH	NONE	-	-	19	25	19	114	21	25	21	116	
		265A	6.0	7.2	19	25	19	114	21	25	21	116	
		266A	11.5	13.8	26	30	23	114	28	30	25	116	
267A		14.0	16.8	29	30	27	114	32	35	29	116		
268A		23.0	27.7	43	45	39	114	45	45	41	116		
269A	25.5	30.7	47	50	43	114	49	50	45	116			
575-3-60	STD	NONE	-	-	12	15	11	66	15	20	15	70	
		118A	17.0	20.4	28	30	25	66	33	35	30	70	
		299A	25.7	25.8	35	35	32	66	39	40	36	70	
	MED	NONE	-	-	13	15	12	81	17	20	17	85	
		118A	17.0	20.4	29	30	27	81	34	35	31	85	
		299A	25.7	25.8	36	40	33	81	41	45	37	85	
	HIGH	NONE	-	-	16	20	15	95	19	25	20	99	
		118A	17.0	20.4	33	35	30	95	38	40	34	99	
		299A	25.7	25.8	40	40	36	95	44	45	40	99	

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 6 – RAH072–120 Unit Wire Sizing Data with Factory Installed HACR Breaker – Single Speed Indoor Fan Motor (cont)**

UNIT	NO M. V – Ph – HZ	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.							
			CRHEATER ***A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
						MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH090 (2–stage cool)	208/230–3–60	STD	NONE	–	–	39	50	41	191	43	50	45	195
			117A	7.8/10.4	21.7/25.0	39/39	50/50	41/41	191/191	43/43	50/50	45/45	195/195
			110A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	191/191	60/60	60/60	49/55	195/195
			111A	18.6/24.8	51.7/59.7	82/82	90/90	65/75	191/191	86/86	90/90	70/79	195/195
			112A	24.0/32.0	66.7/77.0	103/103	110/110	83/95	191/191	108/108	110/110	87/99	195/195
			112A+117A	31.8/42.4	88.4/102.0	134/134	150/150	108/123	191/191	139/139	150/150	112/128	195/195
		MED	NONE	–	–	41/41	50/50	43/42	229	45/45	50/50	47/47	233
			117A	7.8/10.4	21.7/25.0	41/41	50/50	43/42	229/229	45/45	50/50	47/47	233/233
			110A	12.0/16.0	33.4/38.5	57/57	60/60	46/52	229/229	62/62	70/70	51/56	233/233
	111A		18.6/24.8	51.7/59.7	83/83	90/90	67/76	229/229	88/88	90/90	72/81	233/233	
	112A		24.0/32.0	66.7/77.0	105/105	110/110	85/96	229/229	110/110	110/110	89/101	233/233	
	112A+117A		31.8/42.4	88.4/102.0	136/136	150/150	110/125	229/229	141/141	150/150	114/129	233/233	
	HIGH	NONE	–	–	45	50	47	258	48	60	51	262	
		117A	7.8/10.4	21.7/25.0	45/45	50/50	47/47	258/258	50/50	60/60	51/51	262/262	
		110A	12.0/16.0	33.4/38.5	62/62	70/70	51/56	258/258	67/67	70/70	55/61	262/262	
		111A	18.6/24.8	51.7/59.7	88/88	90/90	72/81	258/258	93/93	100/100	76/85	262/262	
		112A	24.0/32.0	66.7/77.0	110/110	110/110	89/101	258/258	115/115	125/125	93/105	262/262	
		112A+117A	31.8/42.4	88.4/102.0	141/141	150/150	114/129	258/258	146/146	150/150	118/134	262/262	
	460–3–60	STD	NONE	–	–	18	20	19	95	20	25	21	97
			116A	13.9	16.7	25	25	22	95	27	30	24	97
			113A	16.5	19.8	28	30	26	95	31	35	28	97
			114A	27.8	33.4	45	50	41	95	48	50	43	97
			115A	33.0	39.7	53	60	49	95	56	60	51	97
			114A+116A	41.7	50.2	66	70	61	95	69	70	63	97
MED		NONE	–	–	19	25	20	114	21	25	22	116	
		116A	13.9	16.7	26	30	23	114	28	30	25	116	
		113A	16.5	19.8	29	30	27	114	32	35	29	116	
		114A	27.8	33.4	46	50	42	114	49	50	44	116	
		115A	33.0	39.7	54	60	50	114	57	60	52	116	
		114A+116A	41.7	50.2	67	70	62	114	70	70	64	116	
HIGH		NONE	–	–	21	25	22	129	23	25	24	131	
		116A	13.9	16.7	28	30	25	129	30	30	27	131	
		113A	16.5	19.8	32	35	29	129	34	35	31	131	
		114A	27.8	33.4	49	50	45	129	51	60	47	131	
		115A	33.0	39.7	57	60	52	129	59	60	54	131	
		114A+116A	41.7	50.2	70	70	64	129	72	80	66	131	
575–3–60	STD	NONE	–	–	13	15	13	77	17	20	17	81	
		118A	17.0	20.4	28	30	25	77	33	35	30	81	
		119A	34.0	40.9	54	60	49	77	58	60	53	81	
	MED	NONE	–	–	13	15	13	81	17	20	18	85	
		118A	17.0	20.4	28	30	26	81	33	35	30	85	
		119A	34.0	40.9	54	60	49	81	59	60	54	85	
	HIGH	NONE	–	–	14	15	14	92	18	20	19	96	
		118A	17.0	20.4	29	30	27	92	34	35	31	96	
		119A	34.0	40.9	55	60	50	92	60	60	55	96	

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 6 – RAH072–120 Unit Wire Sizing Data with Factory Installed HACR Breaker – Single Speed Indoor Fan Motor (cont)**

UNIT	NO M. V – Ph – HZ	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.							
			CRHEATER ***A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
						MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH102 (2–stage cool)	208/230–3–60	STD	NONE	–	–	39	50	41	191	43	50	45	195
			117A	7.8/10.4	21.7/25.0	39/39	50/50	41/41	191/191	43/43	50/50	45/45	195/195
			110A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	191/191	60/60	60/60	49/55	195/195
			111A	18.6/24.8	51.7/59.7	82/82	90/90	65/75	191/191	86/86	90/90	70/79	195/195
			112A	24.0/32.0	66.7/77.0	103/103	110/110	83/95	191/191	108/108	110/110	87/99	195/195
			112A+117A	31.8/42.4	88.4/102.0	134/134	150/150	108/123	191/191	139/139	150/150	112/128	195/195
		MED	NONE	–	–	41/41	50/50	43/43	229	45/45	50/50	47/47	233
			117A	7.8/10.4	21.7/25.0	41/41	50/50	43/43	229/229	45/45	50/50	47/47	233/233
			110A	12.0/16.0	33.4/38.5	57/57	60/60	46/52	229/229	62/62	70/70	51/56	233/233
			111A	18.6/24.8	51.7/59.7	83/83	90/90	67/76	229/229	88/88	90/90	72/81	233/233
			112A	24.0/32.0	66.7/77.0	105/105	110/110	85/96	229/229	110/110	110/110	89/101	233/233
			112A+117A	31.8/42.4	88.4/102.0	136/136	150/150	110/125	229/229	141/141	150/150	114/129	233/233
	HIGH	NONE	–	–	45	50	47	258	49	60	52	262	
		117A	7.8/10.4	21.7/25.0	45/45	50/50	47/47	258/258	50/50	60/60	52/52	262/262	
		110A	12.0/16.0	33.4/38.5	62/62	70/70	51/56	258/258	67/67	70/70	55/61	262/262	
		111A	18.6/24.8	51.7/59.7	88/88	90/90	72/81	258/258	93/93	100/100	76/85	262/262	
		112A	24.0/32.0	66.7/77.0	110/110	110/110	89/101	258/258	115/115	125/125	93/105	262/262	
		112A+117A	31.8/42.4	88.4/102.0	141/141	150/150	114/129	258/258	146/146	150/150	118/134	262/262	
	460–3–60	STD	NONE	–	–	19	20	19	95	20	25	21	97
			116A	13.9	16.7	25	25	22	95	27	30	24	97
			113A	16.5	19.8	28	30	26	95	31	35	28	97
			114A	27.8	33.4	45	50	41	95	48	50	43	97
			115A	33.0	39.7	53	60	49	95	56	60	51	97
			114A+116A	41.7	50.2	66	70	61	95	69	70	63	97
MED		NONE	–	–	19	25	20	114	21	25	22	116	
		116A	13.9	16.7	26	30	23	114	28	30	25	116	
		113A	16.5	19.8	29	30	27	114	32	35	29	116	
		114A	27.8	33.4	46	50	42	114	49	50	44	116	
		115A	33.0	39.7	54	60	50	114	57	60	52	116	
		114A+116A	41.7	50.2	67	70	62	114	70	70	64	116	
HIGH		NONE	–	–	21	25	22	129	23	25	24	131	
		116A	13.9	16.7	28	30	25	129	30	30	27	131	
		113A	16.5	19.8	32	35	29	129	34	35	31	131	
		114A	27.8	33.4	49	50	45	129	51	60	47	131	
		115A	33.0	39.7	57	60	52	129	59	60	54	131	
		114A+116A	41.7	50.2	70	70	64	129	72	80	66	131	
575–3–60	STD	NONE	–	–	14	15	14	77	18	20	19	81	
		118A	17.0	20.4	28	30	25	77	33	35	30	81	
		119A	34.0	40.9	54	60	49	77	58	60	53	81	
	MED	NONE	–	–	14	20	15	81	18	20	19	85	
		118A	17.0	20.4	28	30	26	81	33	35	30	85	
		119A	34.0	40.9	54	60	49	81	59	60	54	85	
	HIGH	NONE	–	–	15	20	16	92	19	20	20	96	
		118A	17.0	20.4	29	30	27	92	34	35	31	96	
		119A	34.0	40.9	55	60	50	92	60	60	55	96	

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 6 – RAH072–120 Unit Wire Sizing Data with Factory Installed HACR Breaker – Single Speed Indoor Fan Motor (cont)**

UNIT	NO M. V. – Ph – HZ	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.							
			CRHEATER ***A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
						MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH10 (2–stage cool)	208/230–3–60	STD	NONE	–	–	49	60	51	257	53	60	55	261
			117A	7.8/10.4	21.7/25.0	49/49	60/60	51/51	257/257	53/53	60/60	55/55	261/261
			110A	12.0/16.0	33.4/38.5	55/55	60/60	51/51	257/257	60/60	60/60	55/55	261/261
			112A	24.0/32.0	66.7/77.0	103/103	110/110	83/95	257/257	108/108	110/110	87/99	261/261
			112A+117A	31.8/42.4	88.4/102.0	134/134	150/150	108/123	257/257	139/139	150/150	112/128	261/261
			112A+110A	37.6/50.0	104.2/120.3	137/137	150/150	126/144	257/257	142/142	150/150	130/149	261/261
		MED	NONE	–	–	54	60	57	313	58	70	62	317
			117A	7.8/10.4	21.7/25.0	54/54	60/60	57/57	313/313	58/58	70/70	62/62	317/317
			110A	12.0/16.0	33.4/38.5	62/62	70/70	57/57	313/313	67/67	70/70	62/62	317/317
	112A		24.0/32.0	66.7/77.0	110/110	110/110	89/101	313/313	115/115	125/125	93/105	317/317	
	112A+117A		31.8/42.4	88.4/102.0	141/141	150/150	114/129	313/313	146/146	150/150	118/134	317/317	
	112A+110A		37.6/50.0	104.2/120.3	144/144	150/150	132/151	313/313	149/149	150/150	136/155	317/317	
	HIGH	NONE	–	–	57/57	70/70	61/60	315	61/61	70/70	65/64	319	
		117A	7.8/10.4	21.7/25.0	57/57	70/70	61/60	315/315	61/61	70/70	65/64	319/319	
		110A	12.0/16.0	33.4/38.5	64/64	70/70	61/60	315/315	69/69	70/70	65/64	319/319	
		112A	24.0/32.0	66.7/77.0	113/113	125/125	92/103	315/315	117/117	125/125	97/108	319/319	
		112A+117A	31.8/42.4	88.4/102.0	144/144	150/150	117/132	315/315	149/149	150/150	122/136	319/319	
		112A+110A	37.6/50.0	104.2/120.3	148/148	150/150	135/153	315/315	152/152	175/175	140/157	319/319	
	460–3–60	STD	NONE	–	–	22	25	23	123	24	30	25	125
			116A	13.9	16.7	25	25	23	123	27	30	25	125
			113A	16.5	19.8	28	30	26	123	31	35	28	125
			115A	33.0	39.7	53	60	49	123	56	60	51	125
			114A+116A	41.7	50.2	66	70	61	123	69	70	63	125
			115A+113A	50.0	60.1	64	70	72	123	66	70	74	125
		MED	NONE	–	–	25	30	26	151	27	30	28	153
			116A	13.9	16.7	28	30	26	151	30	30	28	153
			113A	16.5	19.8	32	35	29	151	34	35	31	153
115A			33.0	39.7	57	60	52	151	59	60	54	153	
114A+116A			41.7	50.2	70	70	64	151	72	80	66	153	
115A+113A			50.0	60.1	67	80	75	151	69	80	77	153	
HIGH		NONE	–	–	26	30	28	152	28	30	30	154	
		116A	13.9	16.7	29	30	28	152	32	35	30	154	
		113A	16.5	19.8	33	35	30	152	35	35	32	154	
		115A	33.0	39.7	58	60	53	152	60	60	55	154	
		114A+116A	41.7	50.2	71	80	65	152	73	80	67	154	
		115A+113A	50.0	60.1	69	80	76	152	71	80	79	154	
575–3–60	STD	NONE	–	–	18	20	18	95	21	25	23	99	
		118A	17.0	20.4	28	30	26	95	33	35	30	99	
		119A	34.0	40.9	54	60	49	95	59	60	54	99	
		118A+119A	51.0	61.3	64	70	73	95	69	80	77	99	
	MED	NONE	–	–	18	20	19	106	22	25	23	110	
		118A	17.0	20.4	29	30	27	106	34	35	31	110	
		119A	34.0	40.9	55	60	50	106	60	60	55	110	
		118A+119A	51.0	61.3	65	70	74	106	70	80	78	110	
	HIGH	NONE	–	–	21	25	22	120	25	30	27	124	
		118A	17.0	20.4	33	35	30	120	38	40	34	124	
		119A	34.0	40.9	59	60	53	120	63	70	58	124	
		118A+119A	51.0	61.3	69	80	77	120	74	80	81	124	

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 6 – RAH072–120 Unit Wire Sizing Data with Factory Installed HACR Breaker – Single Speed Indoor Fan Motor (cont)**

UNIT	NO M. V – Ph – HZ	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.							
			CRHEATER ***A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
						MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH120 (2–stage cool)	208/230–3–60	STD	NONE	–	–	48	60	50	282	51	60	54	286
			117A	7.8/10.4	21.7/25.0	48/48	60/60	50/50	282/282	51/51	60/60	54/54	286/286
			110A	12.0/16.0	33.4/38.5	55/55	60/60	50/50	282/282	60/60	60/60	54/55	286/286
			112A	24.0/32.0	66.7/77.0	103/103	110/110	83/95	282/282	108/108	110/110	87/99	286/286
			112A+117A	31.8/42.4	88.4/102.0	134/134	150/150	108/123	282/282	139/139	150/150	112/128	286/286
		112A+110A	37.6/50.0	104.2/120.3	137/137	150/150	126/144	282/282	142/142	150/150	130/149	286/286	
		MED	NONE	–	–	53	60	56	338	57	70	60	342
			117A	7.8/10.4	21.7/25.0	53/53	60/60	56/56	338/338	57/57	70/70	60/60	342/342
			110A	12.0/16.0	33.4/38.5	62/62	70/70	56/56	338/338	67/67	70/70	60/61	342/342
	112A		24.0/32.0	66.7/77.0	110/110	110/110	89/101	338/338	115/115	125/125	93/105	342/342	
	112A+117A		31.8/42.4	88.4/102.0	141/141	150/150	114/129	338/338	146/146	150/150	118/134	342/342	
	112A+110A	37.6/50.0	104.2/120.3	144/144	150/150	132/151	338/338	149/149	150/150	136/155	342/342		
	HIGH	NONE	–	–	56/56	60/60	59/58	340	60/60	70/70	64/63	344	
		117A	7.8/10.4	21.7/25.0	56/56	60/60	59/58	340/340	60/60	70/70	64/63	344/344	
		110A	12.0/16.0	33.4/38.5	64/64	70/70	59/59	340/340	69/69	70/70	64/63	344/344	
		112A	24.0/32.0	66.7/77.0	113/113	125/125	92/103	340/340	117/117	125/125	97/108	344/344	
		112A+117A	31.8/42.4	88.4/102.0	144/144	150/150	117/132	340/340	149/149	150/150	122/136	344/344	
	112A+110A	37.6/50.0	104.2/120.3	148/148	150/150	135/153	340/340	152/152	175/175	140/157	344/344		
	460–3–60	STD	NONE	–	–	23	30	24	135	25	30	26	137
			116A	13.9	16.7	25	30	24	135	27	30	26	137
			113A	16.5	19.8	28	30	26	135	31	35	28	137
			115A	33.0	39.7	53	60	49	135	56	60	51	137
			114A+116A	41.7	50.2	66	70	61	135	69	70	63	137
		115A+113A	50.0	60.1	64	70	72	135	66	70	74	137	
		MED	NONE	–	–	26	30	27	163	28	30	29	165
			116A	13.9	16.7	28	30	27	163	30	30	29	165
			113A	16.5	19.8	32	35	29	163	34	35	31	165
115A			33.0	39.7	57	60	52	163	59	60	54	165	
114A+116A			41.7	50.2	70	70	64	163	72	80	66	165	
115A+113A		50.0	60.1	67	80	75	163	69	80	77	165		
HIGH		NONE	–	–	27	30	29	164	29	35	31	166	
		116A	13.9	16.7	29	30	29	164	32	35	31	166	
		113A	16.5	19.8	33	35	30	164	35	35	32	166	
		115A	33.0	39.7	58	60	53	164	60	60	55	166	
		114A+116A	41.7	50.2	71	80	65	164	73	80	67	166	
115A+113A		50.0	60.1	69	80	76	164	71	80	79	166		
575–3–60	STD	NONE	–	–	18	20	18	105	22	25	23	109	
		118A	17.0	20.4	28	30	26	105	33	35	30	109	
		119A	34.0	40.9	54	60	49	105	59	60	54	109	
		118A+119A	51.0	61.3	64	70	73	105	69	80	77	109	
	MED	NONE	–	–	19	20	19	116	22	25	24	120	
		118A	17.0	20.4	29	30	27	116	34	35	31	120	
		119A	34.0	40.9	55	60	50	116	60	60	55	120	
		118A+119A	51.0	61.3	65	70	74	116	70	80	78	120	
	HIGH	NONE	–	–	21	25	22	130	25	30	27	134	
		118A	17.0	20.4	33	35	30	130	38	40	34	134	
		119A	34.0	40.9	59	60	53	130	63	70	58	134	
		118A+119A	51.0	61.3	69	80	77	130	74	80	81	134	

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 7 – RAH090–120 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.							
			CRHEATER ***A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrdr fr/unit)			
						MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH090 (2–stage cool)	208/230–3–60	STD	NONE	–	–	40/40	50/50	41/41	195	44/43	50/50	46/46	199
			117A	7.8/10.4	21.7/25.0	40/40	50/50	41/41	195/195	44/43	50/50	46/46	199/199
			110A	12.0/16.0	33.4/38.5	49/56	50/60	45/51	195/195	54/60	60/60	49/55	199/199
			111A	18.6/24.8	51.7/59.7	72/82	80/90	66/75	195/195	77/87	80/90	70/79	199/199
			112A	24.0/32.0	66.7/77.0	91/104	100/110	83/95	195/195	96/108	100/110	88/99	199/199
			112A+117A	31.8/42.4	88.4/102.0	118/135	125/150	108/124	195/195	123/140	125/150	113/128	199/199
		MED	NONE	–	–	41/41	50/50	43/43	199	45/45	50/50	47/47	203
			117A	7.8/10.4	21.7/25.0	41/41	50/50	43/43	199/199	45/45	50/50	47/47	203/203
			110A	12.0/16.0	33.4/38.5	51/57	60/60	47/52	199/199	56/62	60/70	51/56	203/203
			111A	18.6/24.8	51.7/59.7	74/84	80/90	68/76	199/199	79/88	80/90	72/81	203/203
			112A	24.0/32.0	66.7/77.0	93/105	100/110	85/96	199/199	97/110	100/110	89/101	203/203
			112A+117A	31.8/42.4	88.4/102.0	120/136	125/150	110/125	199/199	125/141	125/150	114/129	203/203
	HIGH	NONE	–	–	45/44	50/50	47/46	249	49/48	60/60	52/50	253	
		117A	7.8/10.4	21.7/25.0	45/44	50/50	47/46	249/249	49/49	60/60	52/50	253/253	
		110A	12.0/16.0	33.4/38.5	56/61	60/70	51/56	249/249	60/66	60/70	55/60	253/253	
		111A	18.6/24.8	51.7/59.7	79/87	80/90	72/80	249/249	83/92	90/100	76/84	253/253	
		112A	24.0/32.0	66.7/77.0	97/109	100/110	89/100	249/249	102/114	110/125	93/104	253/253	
		112A+117A	31.8/42.4	88.4/102.0	124/140	125/150	114/129	249/249	129/145	150/150	118/133	253/253	
	460–3–60	STD	NONE	–	–	19	20	19	97	20	25	21	99
			116A	13.9	16.7	25	25	23	97	27	30	25	99
			113A	16.5	19.8	29	30	26	97	31	35	28	99
			114A	27.8	33.4	46	50	42	97	48	50	44	99
			115A	33.0	39.7	54	60	49	97	56	60	51	99
			114A+116A	41.7	50.2	67	70	61	97	69	70	63	99
MED		NONE	–	–	19	25	20	100	21	25	22	102	
		116A	13.9	16.7	26	30	23	100	28	30	25	102	
		113A	16.5	19.8	29	30	27	100	32	35	29	102	
		114A	27.8	33.4	46	50	42	100	49	50	44	102	
		115A	33.0	39.7	54	60	50	100	57	60	52	102	
		114A+116A	41.7	50.2	67	70	62	100	70	70	64	102	
HIGH		NONE	–	–	21	25	22	125	22	25	24	127	
		116A	13.9	16.7	27	30	25	125	30	30	27	127	
		113A	16.5	19.8	31	35	28	125	34	35	30	127	
		114A	27.8	33.4	48	50	44	125	51	60	46	127	
		115A	33.0	39.7	56	60	51	125	58	60	53	127	
		114A+116A	41.7	50.2	69	70	63	125	72	80	65	127	
575–3–60	STD	NONE	–	–	14	15	14	79	18	20	19	83	
		118A	17.0	20.4	29	30	27	79	34	35	31	83	
		119A	34.0	40.9	55	60	50	79	60	60	55	83	
	MED	NONE	–	–	15	20	15	83	18	20	19	87	
		118A	17.0	20.4	30	30	27	83	35	35	32	87	
		119A	34.0	40.9	56	60	51	83	61	70	55	87	
	HIGH	NONE	–	–	16	20	16	92	19	25	21	96	
		118A	17.0	20.4	32	35	29	92	36	40	33	96	
		119A	34.0	40.9	57	60	52	92	62	70	57	96	

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 7 – RAH090–120 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.							
			CRHEATER ***A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
						MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH102 (2–stage cool)	208/230–3–60	STD	NONE	–	–	40/40	50/50	42/41	195	44/44	50/50	46/46	199
			117A	7.8/10.4	21.7/25.0	40/40	50/50	42/41	195/195	44/44	50/50	46/46	199/199
			110A	12.0/16.0	33.4/38.5	49/56	50/60	45/51	195/195	54/60	60/60	49/55	199/199
			111A	18.6/24.8	51.7/59.7	72/82	80/90	66/75	195/195	77/87	80/90	70/79	199/199
			112A	24.0/32.0	66.7/77.0	91/104	100/110	83/95	195/195	96/108	100/110	88/99	199/199
			112A+117A	31.8/42.4	88.4/102.0	118/135	125/150	108/124	195/195	123/140	125/150	113/128	199/199
		MED	NONE	–	–	41/41	50/50	43/43	199	45/45	50/50	47/47	203
			117A	7.8/10.4	21.7/25.0	41/41	50/50	43/43	199/199	45/45	50/50	47/47	203/203
			110A	12.0/16.0	33.4/38.5	51/57	60/60	47/52	199/199	56/62	60/70	51/56	203/203
	111A		18.6/24.8	51.7/59.7	74/84	80/90	68/76	199/199	79/88	80/90	72/81	203/203	
	112A		24.0/32.0	66.7/77.0	93/105	100/110	85/96	199/199	97/110	100/110	89/101	203/203	
	112A+117A	31.8/42.4	88.4/102.0	120/136	125/150	110/125	199/199	125/141	125/150	114/129	203/203		
	HIGH	NONE	–	–	45/44	50/50	47/46	249	49/48	60/60	52/51	253	
		117A	7.8/10.4	21.7/25.0	45/44	50/50	47/46	249/249	49/49	60/60	52/51	253/253	
		110A	12.0/16.0	33.4/38.5	56/61	60/70	51/56	249/249	60/66	60/70	55/60	253/253	
		111A	18.6/24.8	51.7/59.7	79/87	80/90	72/80	249/249	83/92	90/100	76/84	253/253	
		112A	24.0/32.0	66.7/77.0	97/109	100/110	89/100	249/249	102/114	110/125	93/104	253/253	
		112A+117A	31.8/42.4	88.4/102.0	124/140	125/150	114/129	249/249	129/145	150/150	118/133	253/253	
	460–3–60	STD	NONE	–	–	19	25	19	97	21	25	22	99
			116A	13.9	16.7	25	25	23	97	27	30	25	99
			113A	16.5	19.8	29	30	26	97	31	35	28	99
			114A	27.8	33.4	46	50	42	97	48	50	44	99
			115A	33.0	39.7	54	60	49	97	56	60	51	99
			114A+116A	41.7	50.2	67	70	61	97	69	70	63	99
		MED	NONE	–	–	19	25	20	100	21	25	22	102
			116A	13.9	16.7	26	30	23	100	28	30	25	102
			113A	16.5	19.8	29	30	27	100	32	35	29	102
114A			27.8	33.4	46	50	42	100	49	50	44	102	
115A			33.0	39.7	54	60	50	100	57	60	52	102	
114A+116A		41.7	50.2	67	70	62	100	70	70	64	102		
HIGH		NONE	–	–	21	25	22	125	23	25	24	127	
		116A	13.9	16.7	27	30	25	125	30	30	27	127	
		113A	16.5	19.8	31	35	28	125	34	35	30	127	
		114A	27.8	33.4	48	50	44	125	51	60	46	127	
		115A	33.0	39.7	56	60	51	125	58	60	53	127	
		114A+116A	41.7	50.2	69	70	63	125	72	80	65	127	
575–3–60	STD	NONE	–	–	15	20	16	79	19	20	20	83	
		118A	17.0	20.4	29	30	27	79	34	35	31	83	
		119A	34.0	40.9	55	60	50	79	60	60	55	83	
	MED	NONE	–	–	16	20	16	83	20	25	21	87	
		118A	17.0	20.4	30	30	27	83	35	35	32	87	
		119A	34.0	40.9	56	60	51	83	61	70	55	87	
	HIGH	NONE	–	–	17	20	18	92	21	25	22	96	
		118A	17.0	20.4	32	35	29	92	36	40	33	96	
		119A	34.0	40.9	57	60	52	92	62	70	57	96	

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 7 – RAH090–120 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.							
			CRHEATER ***A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
						MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH110 (2-stage cool)	208/230–3–60	STD	NONE	–	–	51/50	60/60	53/53	254	55/54	60/60	58/57	258
			117A	7.8/10.4	21.7/25.0	51/50	60/60	53/53	254/254	55/54	60/60	58/57	258/258
			110A	12.0/16.0	33.4/38.5	51/57	60/60	53/53	254/254	56/62	60/70	58/57	258/258
			112A	24.0/32.0	66.7/77.0	93/105	100/110	85/96	254/254	97/110	100/110	89/101	258/258
			112A+117A	31.8/42.4	88.4/102.0	120/136	125/150	110/125	254/254	125/141	125/150	114/129	258/258
			112A+110A	37.6/50.0	104.2/120.3	140/129	150/150	128/146	254/254	144/134	150/150	132/151	258/258
		MED	NONE	–	–	54/53	60/60	58/56	304	58/57	70/70	62/61	308
			117A	7.8/10.4	21.7/25.0	54/53	60/60	58/56	304/304	58/57	70/70	62/61	308/308
			110A	12.0/16.0	33.4/38.5	56/61	60/70	58/56	304/304	60/66	70/70	62/61	308/308
			112A	24.0/32.0	66.7/77.0	97/109	100/110	89/100	304/304	102/114	110/125	93/104	308/308
			112A+117A	31.8/42.4	88.4/102.0	124/140	125/150	114/129	304/304	129/145	150/150	118/133	308/308
			112A+110A	37.6/50.0	104.2/120.3	144/133	150/150	132/150	304/304	149/138	150/150	137/154	308/308
	HIGH	NONE	–	–	57/56	70/60	61/60	315	61/60	70/70	65/64	319	
		117A	7.8/10.4	21.7/25.0	57/56	70/60	61/60	315/315	61/60	70/70	65/64	319/319	
		110A	12.0/16.0	33.4/38.5	59/64	70/70	61/60	315/315	64/69	70/70	65/64	319/319	
		112A	24.0/32.0	66.7/77.0	101/113	110/125	92/103	315/315	106/117	110/125	97/108	319/319	
		112A+117A	31.8/42.4	88.4/102.0	128/144	150/150	117/132	315/315	133/149	150/150	122/136	319/319	
		112A+110A	37.6/50.0	104.2/120.3	148/137	150/150	135/153	315/315	152/141	175/175	140/157	319/319	
	460–3–60	STD	NONE	–	–	23	25	24	122	25	30	26	124
			116A	13.9	16.7	26	30	24	122	28	30	26	124
			113A	16.5	19.8	29	30	27	122	32	35	29	124
			115A	33.0	39.7	54	60	50	122	57	60	52	124
			114A+116A	41.7	50.2	67	70	62	122	70	70	64	124
			115A+113A	50.0	60.1	65	70	73	122	67	70	75	124
MED		NONE	–	–	25	30	26	147	27	30	28	149	
		116A	13.9	16.7	27	30	26	147	30	30	28	149	
		113A	16.5	19.8	31	35	28	147	34	35	30	149	
		115A	33.0	39.7	56	60	51	147	58	60	53	149	
		114A+116A	41.7	50.2	69	70	63	147	72	80	65	149	
		115A+113A	50.0	60.1	67	80	75	147	69	80	77	149	
HIGH		NONE	–	–	26	30	28	152	28	30	30	154	
		116A	13.9	16.7	29	30	28	152	32	35	30	154	
		113A	16.5	19.8	33	35	30	152	35	35	32	154	
		115A	33.0	39.7	58	60	53	152	60	60	55	154	
		114A+116A	41.7	50.2	71	80	65	152	73	80	67	154	
		115A+113A	50.0	60.1	69	80	76	152	71	80	79	154	
575–3–60	STD	NONE	–	–	19	20	20	97	23	25	24	101	
		118A	17.0	20.4	30	30	27	97	35	35	32	101	
		119A	34.0	40.9	56	60	51	97	61	70	55	101	
		118A+119A	51.0	61.3	66	70	75	97	71	80	79	101	
	MED	NONE	–	–	20	25	21	106	24	25	25	110	
		118A	17.0	20.4	32	35	29	106	36	40	33	110	
		119A	34.0	40.9	57	60	52	106	62	70	57	110	
		118A+119A	51.0	61.3	67	80	76	106	72	80	80	110	
	HIGH	NONE	–	–	22	25	23	120	26	30	27	124	
		118A	17.0	20.4	34	35	31	120	38	40	35	124	
		119A	34.0	40.9	59	60	54	120	64	70	59	124	
		118A+119A	51.0	61.3	70	80	78	120	74	80	82	124	

See: Legend and Notes for Tables 1 – 7 on page 20.

**Table 7 – RAH090–120 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.							
			CRHEATER ***A00	Nom (kW)	FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
						MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH120 (2-stage cool)	208/230–3–60	STD	NONE	–	–	50/49	60/60	52/52	279	53/53	60/60	56/56	283
			117A	7.8/10.4	21.7/25.0	50/49	60/60	52/52	279/279	53/53	60/60	56/56	283/283
			110A	12.0/16.0	33.4/38.5	51/57	60/60	52/52	279/279	56/62	60/70	56/56	283/283
			112A	24.0/32.0	66.7/77.0	93/105	100/110	85/96	279/279	97/110	100/110	89/101	283/283
			112A+117A	31.8/42.4	88.4/102.0	120/136	125/150	110/125	279/279	125/141	125/150	114/129	283/283
			112A+110A	37.6/50.0	104.2/120.3	140/129	150/150	128/146	279/279	144/134	150/150	132/151	283/283
		MED	NONE	–	–	53/52	60/60	56/55	329	57/56	70/60	60/59	333
			117A	7.8/10.4	21.7/25.0	53/52	60/60	56/55	329/329	57/56	70/60	60/59	333/333
			110A	12.0/16.0	33.4/38.5	56/61	60/70	56/56	329/329	60/66	70/70	60/60	333/333
	HIGH	112A	24.0/32.0	66.7/77.0	97/109	100/110	89/100	329/329	102/114	110/125	93/104	333/333	
		112A+117A	31.8/42.4	88.4/102.0	124/140	125/150	114/129	329/329	129/145	150/150	118/133	333/333	
		112A+110A	37.6/50.0	104.2/120.3	144/133	150/150	132/150	329/329	149/138	150/150	137/154	333/333	
		NONE	–	–	56/55	60/60	59/58	340	60/59	70/70	64/63	344	
		117A	7.8/10.4	21.7/25.0	56/55	60/60	59/58	340/340	60/59	70/70	64/63	344/344	
		110A	12.0/16.0	33.4/38.5	59/64	60/70	59/59	340/340	64/69	70/70	64/63	344/344	
	460–3–60	STD	NONE	–	–	24	30	25	134	26	30	27	136
			116A	13.9	16.7	26	30	25	134	28	30	27	136
			113A	16.5	19.8	29	30	27	134	32	35	29	136
115A			33.0	39.7	54	60	50	134	57	60	52	136	
114A+116A			41.7	50.2	67	70	62	134	70	70	64	136	
115A+113A			50.0	60.1	65	70	73	134	67	70	75	136	
MED		NONE	–	–	26	30	27	159	28	30	29	161	
		116A	13.9	16.7	27	30	27	159	30	30	29	161	
		113A	16.5	19.8	31	35	28	159	34	35	30	161	
		115A	33.0	39.7	56	60	51	159	58	60	53	161	
		114A+116A	41.7	50.2	69	70	63	159	72	80	65	161	
		115A+113A	50.0	60.1	67	80	75	159	69	80	77	161	
HIGH		NONE	–	–	27	30	29	164	29	35	31	166	
		116A	13.9	16.7	29	30	29	164	32	35	31	166	
		113A	16.5	19.8	33	35	30	164	35	35	32	166	
		115A	33.0	39.7	58	60	53	164	60	60	55	166	
		114A+116A	41.7	50.2	71	80	65	164	73	80	67	166	
		115A+113A	50.0	60.1	69	80	76	164	71	80	79	166	
575–3–60	STD	NONE	–	–	19	25	20	107	23	25	24	111	
		118A	17.0	20.4	30	30	27	107	35	35	32	111	
		119A	34.0	40.9	56	60	51	107	61	70	55	111	
		118A+119A	51.0	61.3	66	70	75	107	71	80	79	111	
	MED	NONE	–	–	20	25	21	116	24	30	26	120	
		118A	17.0	20.4	32	35	29	116	36	40	33	120	
		119A	34.0	40.9	57	60	52	116	62	70	57	120	
		118A+119A	51.0	61.3	67	80	76	116	72	80	80	120	
	HIGH	NONE	–	–	22	25	23	130	26	30	27	134	
		118A	17.0	20.4	34	35	31	130	38	40	35	134	
		119A	34.0	40.9	59	60	54	130	64	70	59	134	
		118A+119A	51.0	61.3	70	80	78	130	74	80	82	134	

See: Legend and Notes for Tables 1 – 7 on page 20.

## Legend and Notes for Tables 1 – 7

### 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

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

Determine maximum deviation from average voltage.

(AB) 227 – 224 = 3 v

(BC) 231 – 227 = 4 v

(AC) 227 – 226 = 1 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.