RGH/RAH 036–060
SINGLE PACKAGE ROOFTOP
GAS HEATING/ELECTRIC COOLING UNIT
& COOLING ONLY/ELECTRIC HEAT UNIT
WITH R–410A REFRIGERANT

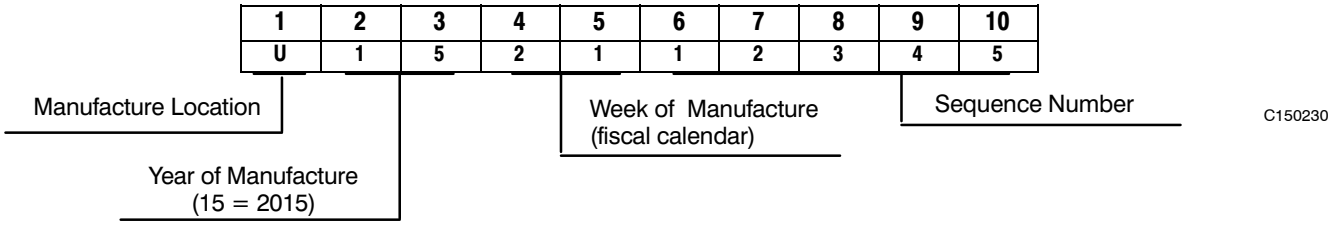
ELECTRICAL DATA SUPPLEMENT

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 RGH/RAH036–060 units manufactured on or after May 18, 2015. To confirm the date of manufacture of a RGS/RAS 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 RGH/RAH 036–060 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 – RGH036–060 Unit Wire/Fuse or HACR Breaker Sizing Data

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
RGH036	208/230–1–60	DD–STD	30	45	29	88	32	45	31	90
		STD	27	40	26	93	29	45	28	95
		MED	27	40	26	93	29	45	28	95
	208/230–3–60	DD–STD	22	30	22	82	24	30	24	84
		STD	20	25	19	94	22	30	21	96
		MED	20/19	25/25	19/19	111	22/21	30/30	21/21	113
		HIGH	23/23	30/30	23/23	147	25/25	30/30	25/25	149
	460–3–60	DD–STD	12	15	12	43	13	15	13	44
		STD	11	15	10	48	12	15	11	49
		MED	11	15	10	57	12	15	11	58
		HIGH	12	15	12	75	13	15	13	76
	575–3–60	DD–STD	10	15	10	42	12	15	12	44
		STD	7	15	6	45	9	15	9	47
		MED	7	15	6	45	9	15	9	47
		HIGH	8	15	7	49	10	15	9	51
RGH048	208/230–1–60	DD–STD	37	50	35	127	38	50	37	129
		STD	34	50	32	132	36	50	35	134
		MED	34	50	32	132	36	50	35	134
	208/230–3–60	DD–STD	26	30	26	93	28	40	28	95
		STD	24	30	23	105	26	30	26	107
		MED	24/24	30/30	23/23	122	26/26	30/30	26/25	124
		HIGH	27/27	40/40	27/27	158	29/29	40/40	29/29	160
	460–3–60	DD–STD	13	15	13	47	14	20	14	48
		STD	12	15	11	52	13	15	12	53
		MED	12	15	11	61	13	15	12	62
		HIGH	13	15	13	79	14	20	14	80
	575–3–60	DD–STD	11	15	11	39	13	15	13	41
		STD	9	15	8	42	10	15	10	44
		MED	9	15	8	42	11	15	11	44
		HIGH	10	15	10	57	12	15	12	59
RGH060	208/230–1–60	DD–STD	41	60	39	144	42	60	41	146
		STD	38	60	36	149	40	60	38	151
		MED	40	60	38	174	42	60	41	176
	208/230–3–60	DD–STD	29	40	28	120	31	45	31	122
		STD	27	40	26	132	29	40	28	134
		MED	30/30	45/45	30/29	185	32/32	45/45	32/32	187
		HIGH	30/30	45/45	30/29	185	32/32	45/45	32/32	187
	460–3–60	DD–STD	14	20	14	58	15	20	15	59
		STD	13	15	12	63	14	20	13	64
		MED	14	20	14	90	15	20	15	91
		HIGH	14	20	14	90	15	20	15	91
	575–3–60	DD–STD	12	15	12	46	14	15	14	48
		STD	9	15	8	49	11	15	10	51
		MED	10	15	9	53	12	15	11	55
		HIGH	11	15	10	64	12	15	12	66

See: Legend and Notes for Tables 1 – 4 on page 16.

Table 2 – RGH036–060 Unit Wire Sizing Data with Factory Installed HACR Breaker

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
RGH036	208/230–1–60	DD–STD	30	45	29	88	32	45	31	90
		STD	27	40	26	93	29	45	28	95
		MED	27	40	26	93	29	45	28	95
	208/230–3–60	DD–STD	22	30	22	82	24	30	24	84
		STD	20	25	19	94	22	30	21	96
		MED	20/20	25/25	19/19	111	22/22	30/30	21/21	113
		HIGH	23/23	30/30	23/23	147	25/25	30/30	25/25	149
	460–3–60	DD–STD	12	15	12	43	13	15	13	44
		STD	11	15	10	48	12	15	11	49
		MED	11	15	10	57	12	15	11	58
		HIGH	12	15	12	75	13	15	13	76
	575–3–60	DD–STD	10	15	10	42	12	15	12	44
		STD	7	15	6	45	9	15	9	47
		MED	7	15	6	45	9	15	9	47
		HIGH	8	15	7	49	10	15	9	51
RGH048	208/230–1–60	DD–STD	37	50	35	127	38	50	37	129
		STD	34	50	32	132	36	50	35	134
		MED	34	50	32	132	36	50	35	134
	208/230–3–60	DD–STD	26	30	26	93	28	40	28	95
		STD	24	30	23	105	26	30	26	107
		MED	24/24	30/30	23/23	122	26/26	30/30	26/25	124
		HIGH	27/27	40/40	27/27	158	29/29	40/40	29/29	160
	460–3–60	DD–STD	13	15	13	47	14	20	14	48
		STD	12	15	11	52	13	15	12	53
		MED	12	15	11	61	13	15	12	62
		HIGH	13	15	13	79	14	20	14	80
	575–3–60	DD–STD	11	15	11	39	13	15	13	41
		STD	9	15	8	42	10	15	10	44
		MED	9	15	8	42	11	15	11	44
		HIGH	10	15	10	57	12	15	12	59
RGH060	208/230–1–60	STD	38	60	36	149	40	60	38	151
		MED	40	60	38	174	42	60	41	176
	208/230–3–60	DD–STD	29	40	28	120	31	45	31	122
		STD	27	40	26	132	29	40	28	134
		MED	30/30	45/45	30/29	185	32/32	45/45	32/32	187
		HIGH	30/30	45/45	30/29	185	32/32	45/45	32/32	187
	460–3–60	DD–STD	14	20	14	58	15	20	15	59
		STD	13	15	12	63	14	20	13	64
		MED	14	20	14	90	15	20	15	91
		HIGH	14	20	14	90	15	20	15	91
	575–3–60	DD–STD	12	15	12	46	14	15	14	48
		STD	9	15	8	49	11	15	10	51
		MED	10	15	9	53	12	15	11	55
		HIGH	11	15	10	64	12	15	12	66

See: Legend and Notes for Tables 1 – 4 on page 16.

Table 3 – RAH036–060 Unit Wire/Fuse or HACR Breaker Sizing Data

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
RAH036	208/230–1–60	DD–STD	NONE	–	–	30	45	29	88	32	45	31	90
			101A	3.3/4.4	15.9/18.3	30/33	45/45	29/30	88/88	32/35	45/45	31/32	90/90
			102A	4.9/6.5	23.5/27.1	39/44	45/45	36/40	88/88	41/46	45/50	38/42	90/90
			103B	6.5/8.7	31.4/36.3	49/55	50/60	45/50	88/88	51/57	60/60	47/52	90/90
			104B	7.9/10.5	37.9/43.8	57/64	60/70	52/59	88/88	59/67	60/70	54/61	90/90
			102A+102A	9.8/13.0	46.9/54.2	68/77	70/80	62/71	88/88	71/80	80/80	65/73	90/90
		STD	NONE	–	–	27	40	26	93	29	45	28	95
			101A	3.3/4.4	15.9/18.3	27/29	40/40	26/27	93/93	29/32	45/45	28/29	95/95
			102A	4.9/6.5	23.5/27.1	36/40	40/45	33/37	93/93	38/43	45/45	35/39	95/95
			103B	6.5/8.7	31.4/36.3	46/52	50/60	42/47	93/93	48/54	50/60	44/50	95/95
			104B	7.9/10.5	37.9/43.8	54/61	60/70	49/56	93/93	56/64	60/70	51/58	95/95
			102A+102A	9.8/13.0	46.9/54.2	65/74	70/80	60/68	93/93	68/77	70/80	62/70	95/95
		MED	NONE	–	–	27	40	26	93	29	45	28	95
			101A	3.3/4.4	15.9/18.3	27/29	40/40	26/27	93/93	29/32	45/45	28/29	95/95
			102A	4.9/6.5	23.5/27.1	36/40	40/45	33/37	93/93	38/43	45/45	35/39	95/95
			103B	6.5/8.7	31.4/36.3	46/52	50/60	42/47	93/93	48/54	50/60	44/50	95/95
			104B	7.9/10.5	37.9/43.8	54/61	60/70	49/56	93/93	56/64	60/70	51/58	95/95
			102A+102A	9.8/13.0	46.9/54.2	65/74	70/80	60/68	93/93	68/77	70/80	62/70	95/95
	208/230–3–60	DD–STD	NONE	–	–	22	30	22	82	24	30	24	84
			101A	3.3/4.4	9.2/10.6	22/23	30/30	22/22	82/82	24/25	30/30	24/24	84/84
			102A	4.9/6.5	13.6/15.6	27/29	30/30	24/26	82/82	29/32	30/35	26/29	84/84
			103B	6.5/8.7	18.1/20.9	32/36	35/40	29/33	82/82	35/38	35/40	32/35	84/84
			104B	7.9/10.5	21.9/25.3	37/41	40/45	34/38	82/82	39/44	40/45	36/40	84/84
			105A	12.0/16.0	33.4/38.5	51/58	60/60	47/53	82/82	54/60	60/60	49/55	84/84
		STD	NONE	–	–	20	25	19	94	22	30	21	96
			101A	3.3/4.4	9.2/10.6	20/20	25/25	19/19	94/94	22/23	30/30	21/21	96/96
			102A	4.9/6.5	13.6/15.6	24/26	25/30	22/24	94/94	26/29	30/30	24/26	96/96
			103B	6.5/8.7	18.1/20.9	30/33	30/35	27/30	94/94	32/35	35/40	29/32	96/96
			104B	7.9/10.5	21.9/25.3	34/39	35/40	31/35	94/94	37/41	40/45	33/37	96/96
			105A	12.0/16.0	33.4/38.5	49/55	50/60	44/50	94/94	51/57	60/60	47/52	96/96
		MED	NONE	–	–	20/19	25/25	19/19	111	22/21	30/30	21/21	113
			101A	3.3/4.4	9.2/10.6	20/20	25/25	19/19	111/111	22/22	30/30	21/21	113/113
			102A	4.9/6.5	13.6/15.6	24/26	25/30	22/24	111/111	26/28	30/30	24/26	113/113
			103B	6.5/8.7	18.1/20.9	30/33	30/35	27/30	111/111	32/35	35/35	29/32	113/113
			104B	7.9/10.5	21.9/25.3	34/38	35/40	31/35	111/111	37/41	40/45	33/37	113/113
			105A	12.0/16.0	33.4/38.5	49/55	50/60	44/50	111/111	51/57	60/60	47/52	113/113
		HIGH	NONE	–	–	23/23	30/30	23/23	147	25/25	30/30	25/25	149
			101A	3.3/4.4	9.2/10.6	23/24	30/30	23/23	147/147	25/26	30/30	25/25	149/149
			102A	4.9/6.5	13.6/15.6	28/30	30/30	25/27	147/147	30/33	30/35	27/30	149/149
			103B	6.5/8.7	18.1/20.9	34/37	35/40	30/34	147/147	36/39	40/40	33/36	149/149
			104B	7.9/10.5	21.9/25.3	38/42	40/45	35/39	147/147	41/45	45/45	37/41	149/149
			105A	12.0/16.0	33.4/38.5	53/59	60/60	48/54	147/147	55/61	60/70	50/56	149/149

See: Legend and Notes for Tables 1 – 4 on page 16.

Table 3 – RAH036–060 Unit Wire/Fuse or HACR Breaker Sizing Data (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
RAH036	460–3–60	DD–STD	NONE	–	–	12	15	12	43	13	15	13	44
			106A	6.0	7.2	14	15	13	43	16	20	14	44
			107A	8.8	10.6	19	20	17	43	20	20	18	44
			108A	11.5	13.8	23	25	20	43	24	25	22	44
			109A	14.0	16.8	26	30	24	43	28	30	25	44
		STD	NONE	–	–	11	15	10	48	12	15	11	49
			106A	6.0	7.2	13	15	11	48	14	15	12	49
			107A	8.8	10.6	17	20	15	48	18	20	16	49
			108A	11.5	13.8	21	25	19	48	22	25	20	49
			109A	14.0	16.8	25	25	22	48	26	30	23	49
		MED	NONE	–	–	11	15	10	57	12	15	11	58
			106A	6.0	7.2	13	15	11	57	14	15	12	58
			107A	8.8	10.6	17	20	15	57	18	20	16	58
			108A	11.5	13.8	21	25	19	57	22	25	20	58
			109A	14.0	16.8	25	25	22	57	26	30	23	58
		HIGH	NONE	–	–	12	15	12	75	13	15	13	76
			106A	6.0	7.2	15	15	13	75	16	20	14	76
			107A	8.8	10.6	19	20	17	75	20	20	18	76
			108A	11.5	13.8	23	25	21	75	24	25	22	76
			109A	14.0	16.8	27	30	24	75	28	30	25	76
	575–3–60	DD–STD	NONE	–	–	10	15	10	42	12	15	12	44
			297A	9.2	9.2	17	20	15	42	19	20	17	44
			298A	13.8	13.8	23	25	20	42	25	25	23	44
		STD	NONE	–	–	7	15	6	45	9	15	9	47
			297A	9.2	9.2	13	15	12	45	16	20	14	47
			298A	13.8	13.8	19	20	17	45	22	25	19	47
		MED	NONE	–	–	7	15	6	45	9	15	9	47
			297A	9.2	9.2	13	15	12	45	16	20	14	47
			298A	13.8	13.8	19	20	17	45	22	25	19	47
		HIGH	NONE	–	–	8	15	7	49	10	15	9	51
			297A	9.2	9.2	14	15	13	49	17	20	15	51
			298A	13.8	13.8	20	20	18	49	23	25	20	51

See: Legend and Notes for Tables 1 – 4 on page 16.

Table 3 – RAH036–060 Unit Wire/Fuse or HACR Breaker Sizing Data (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
RAH048	208/230–1–60	DD–STD	NONE	–	–	37	50	35	127	38	50	37	129
			101A	3.3/4.4	15.9/18.3	37/37	50/50	35/35	127/127	38/38	50/50	37/37	129/129
			103B	6.5/8.7	31.4/36.3	49/55	50/60	45/50	127/127	51/57	60/60	47/52	129/129
			102A+102A	9.8/13.0	46.9/54.2	68/77	70/80	62/71	127/127	71/80	80/80	65/73	129/129
			103B+103B	13.1/17.4	62.8/72.5	88/100	90/100	81/92	127/127	91/103	100/110	83/94	129/129
			104B+104B	15.8/21.0	75.8/87.5	104/119	110/125	96/109	127/127	107/121	110/125	98/111	129/129
		STD	NONE	–	–	34	50	32	132	36	50	35	134
			101A	3.3/4.4	15.9/18.3	34/34	50/50	32/32	132/132	36/36	50/50	35/35	134/134
			103B	6.5/8.7	31.4/36.3	46/52	50/60	42/47	132/132	48/54	50/60	44/50	134/134
			102A+102A	9.8/13.0	46.9/54.2	65/74	70/80	60/68	132/132	68/77	70/80	62/70	134/134
			103B+103B	13.1/17.4	62.8/72.5	85/97	90/100	78/89	132/132	87/100	90/100	80/91	134/134
			104B+104B	15.8/21.0	75.8/87.5	101/116	110/125	93/106	132/132	104/118	110/125	95/108	134/134
		MED	NONE	–	–	34	50	32	132	36	50	35	134
			101A	3.3/4.4	15.9/18.3	34/34	50/50	32/32	132/132	36/36	50/50	35/35	134/134
			103B	6.5/8.7	31.4/36.3	46/52	50/60	42/47	132/132	48/54	50/60	44/50	134/134
			102A+102A	9.8/13.0	46.9/54.2	65/74	70/80	60/68	132/132	68/77	70/80	62/70	134/134
			103B+103B	13.1/17.4	62.8/72.5	85/97	90/100	78/89	132/132	87/100	90/100	80/91	134/134
			104B+104B	15.8/21.0	75.8/87.5	101/116	110/125	93/106	132/132	104/118	110/125	95/108	134/134
	208/230–3–60	DD–STD	NONE	–	–	26	30	26	93	28	40	28	95
			102A	4.9/6.5	13.6/15.6	27/29	30/30	26/26	93/93	29/32	40/40	28/29	95/95
			103B	6.5/8.7	18.1/20.9	32/36	35/40	29/33	93/93	35/38	40/40	32/35	95/95
			105A	12.0/16.0	33.4/38.5	51/58	60/60	47/53	93/93	54/60	60/60	49/55	95/95
			104B+104B	15.8/21.0	43.8/50.5	64/73	70/80	59/67	93/93	67/75	70/80	61/69	95/95
		STD	NONE	–	–	24	30	23	105	26	30	26	107
			102A	4.9/6.5	13.6/15.6	24/26	30/30	23/24	105/105	26/29	30/30	26/26	107/107
			103B	6.5/8.7	18.1/20.9	30/33	30/35	27/30	105/105	32/35	35/40	29/32	107/107
			105A	12.0/16.0	33.4/38.5	49/55	50/60	44/50	105/105	51/57	60/60	47/52	107/107
			104B+104B	15.8/21.0	43.8/50.5	62/70	70/70	56/64	105/105	64/72	70/80	59/66	107/107
		MED	NONE	–	–	24/24	30/30	23/23	122	26/26	30/30	26/25	124
			102A	4.9/6.5	13.6/15.6	24/26	30/30	23/24	122/122	26/28	30/30	26/26	124/124
			103B	6.5/8.7	18.1/20.9	30/33	30/35	27/30	122/122	32/35	35/35	29/32	124/124
			105A	12.0/16.0	33.4/38.5	49/55	50/60	44/50	122/122	51/57	60/60	47/52	124/124
			104B+104B	15.8/21.0	43.8/50.5	62/70	70/70	56/64	122/122	64/72	70/80	59/66	124/124
		HIGH	NONE	–	–	27/27	40/40	27/27	158	29/29	40/40	29/29	160
			102A	4.9/6.5	13.6/15.6	28/30	40/40	27/27	158/158	30/33	40/40	29/30	160/160
			103B	6.5/8.7	18.1/20.9	34/37	40/40	30/34	158/158	36/39	40/40	33/36	160/160
			105A	12.0/16.0	33.4/38.5	53/59	60/60	48/54	158/158	55/61	60/70	50/56	160/160
			104B+104B	15.8/21.0	43.8/50.5	66/74	70/80	60/68	158/158	68/76	70/80	62/70	160/160

See: Legend and Notes for Tables 1 – 4 on page 16.

Table 3 – RAH036–060 Unit Wire/Fuse or HACR Breaker Sizing Data (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
RAH048	460–3–60	DD–STD	NONE	–	–	13	15	13	47	14	20	14	48
			106A	6.0	7.2	14	15	13	47	16	20	14	48
			108A	11.5	13.8	23	25	20	47	24	25	22	48
			109A	14.0	16.8	26	30	24	47	28	30	25	48
			108A+108A	23.0	27.7	40	40	36	47	41	45	38	48
		STD	NONE	–	–	12	15	11	52	13	15	12	53
			106A	6.0	7.2	13	15	11	52	14	15	12	53
			108A	11.5	13.8	21	25	19	52	22	25	20	53
			109A	14.0	16.8	25	25	22	52	26	30	23	53
			108A+108A	23.0	27.7	38	40	35	52	40	40	36	53
		MED	NONE	–	–	12	15	11	61	13	15	12	62
			106A	6.0	7.2	13	15	11	61	14	15	12	62
			108A	11.5	13.8	21	25	19	61	22	25	20	62
			109A	14.0	16.8	25	25	22	61	26	30	23	62
			108A+108A	23.0	27.7	38	40	35	61	39	40	36	62
		HIGH	NONE	–	–	13	15	13	79	14	20	14	80
			106A	6.0	7.2	15	15	13	79	16	20	14	80
			108A	11.5	13.8	23	25	21	79	24	25	22	80
			109A	14.0	16.8	27	30	24	79	28	30	25	80
			108A+108A	23.0	27.7	40	40	37	79	42	45	38	80
	575–3–60	DD–STD	NONE	–	–	11	15	11	39	13	15	13	41
			297A	9.2	9.2	17	20	15	39	19	20	17	41
			298A	13.8	13.8	23	25	20	39	25	25	23	41
		STD	NONE	–	–	9	15	8	42	10	15	10	44
			297A	9.2	9.2	13	15	12	42	16	20	14	44
			298A	13.8	13.8	19	20	17	42	22	25	19	44
		MED	NONE	–	–	9	15	8	42	11	15	11	44
			297A	9.2	9.2	14	15	12	42	16	20	15	44
			298A	13.8	13.8	20	20	18	42	22	25	20	44
		HIGH	NONE	–	–	10	15	10	57	12	15	12	59
			297A	9.2	9.2	15	15	14	57	18	20	16	59
			298A	13.8	13.8	21	25	19	57	24	25	21	59

See: Legend and Notes for Tables 1 – 4 on page 16.

Table 3 – RAH036–060 Unit Wire/Fuse or HACR Breaker Sizing Data (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
RAH060	208/230–1–60	DD–STD	NONE	–	–	41	60	39	144	42	60	41	146
			102A	4.9/6.5	23.5/27.1	41/44	60/60	39/40	144/144	42/46	60/60	41/42	146/146
			103B	6.5/8.7	31.4/36.3	49/55	60/60	45/50	144/144	51/57	60/60	47/52	146/146
			102A+102A	9.8/13.0	46.9/54.2	68/77	70/80	62/71	144/144	71/80	80/80	65/73	146/146
			103B+103B	13.1/17.4	62.8/72.5	88/100	90/100	81/92	144/144	91/103	100/110	83/94	146/146
			104B+104B	15.8/21.0	75.8/87.5	104/119	110/125	96/109	144/144	107/121	110/125	98/111	146/146
		STD	NONE	–	–	38	60	36	149	40	60	38	151
			102A	4.9/6.5	23.5/27.1	38/40	60/60	36/37	149/149	40/43	60/60	38/39	151/151
			103B	6.5/8.7	31.4/36.3	46/52	60/60	42/47	149/149	48/54	60/60	44/50	151/151
			102A+102A	9.8/13.0	46.9/54.2	65/74	70/80	60/68	149/149	68/77	70/80	62/70	151/151
			103B+103B	13.1/17.4	62.8/72.5	85/97	90/100	78/89	149/149	87/100	90/100	80/91	151/151
			104B+104B	15.8/21.0	75.8/87.5	101/116	110/125	93/106	149/149	104/118	110/125	95/108	151/151
		MED	NONE	–	–	40	60	38	174	42	60	41	176
			102A	4.9/6.5	23.5/27.1	40/43	60/60	38/39	174/174	42/45	60/60	41/41	176/176
			103B	6.5/8.7	31.4/36.3	48/55	60/60	44/50	174/174	51/57	60/60	46/52	176/176
			102A+102A	9.8/13.0	46.9/54.2	68/77	70/80	62/70	174/174	70/79	70/80	64/73	176/176
			103B+103B	13.1/17.4	62.8/72.5	88/100	90/100	80/91	174/174	90/102	90/110	82/94	176/176
			104B+104B	15.8/21.0	75.8/87.5	104/119	110/125	95/109	174/174	106/121	110/125	97/111	176/176
	208/230–3–60	DD–STD	NONE	–	–	29	40	28	120	31	45	31	122
			102A	4.9/6.5	13.6/15.6	29/29	40/40	28/28	120/120	31/32	45/45	31/31	122/122
			104B	7.9/10.5	21.9/25.3	37/41	40/45	34/38	120/120	39/44	45/45	36/40	122/122
			105A	12.0/16.0	33.4/38.5	51/58	60/60	47/53	120/120	54/60	60/60	49/55	122/122
			104B+104B	15.8/21.0	43.8/50.5	64/73	70/80	59/67	120/120	67/75	70/80	61/69	122/122
			104B+105A	19.9/26.5	55.2/63.8	79/89	80/90	72/82	120/120	81/92	90/100	74/84	122/122
		STD	NONE	–	–	27	40	26	132	29	40	28	134
			102A	4.9/6.5	13.6/15.6	27/27	40/40	26/26	132/132	29/29	40/40	28/28	134/134
			104B	7.9/10.5	21.9/25.3	34/39	40/40	31/35	132/132	37/41	40/45	33/37	134/134
			105A	12.0/16.0	33.4/38.5	49/55	50/60	44/50	132/132	51/57	60/60	47/52	134/134
			104B+104B	15.8/21.0	43.8/50.5	62/70	70/70	56/64	132/132	64/72	70/80	59/66	134/134
			104B+105A	19.9/26.5	55.2/63.8	76/87	80/90	69/79	132/132	78/89	80/90	72/82	134/134
		MED	NONE	–	–	30/30	45/45	30/29	185	32/32	45/45	32/32	187
			102A	4.9/6.5	13.6/15.6	30/30	45/45	30/29	185/185	32/33	45/45	32/32	187/187
			104B	7.9/10.5	21.9/25.3	38/42	45/45	35/39	185/185	41/45	45/45	37/41	187/187
			105A	12.0/16.0	33.4/38.5	53/59	60/60	48/54	185/185	55/61	60/70	50/56	187/187
			104B+104B	15.8/21.0	43.8/50.5	66/74	70/80	60/68	185/185	68/76	70/80	62/70	187/187
			104B+105A	19.9/26.5	55.2/63.8	80/91	80/100	73/83	185/185	82/93	90/100	75/85	187/187
		HIGH	NONE	–	–	30/30	45/45	30/29	185	32/32	45/45	32/32	187
			102A	4.9/6.5	13.6/15.6	30/30	45/45	30/29	185/185	32/33	45/45	32/32	187/187
			104B	7.9/10.5	21.9/25.3	38/42	45/45	35/39	185/185	41/45	45/45	37/41	187/187
			105A	12.0/16.0	33.4/38.5	53/59	60/60	48/54	185/185	55/61	60/70	50/56	187/187
			104B+104B	15.8/21.0	43.8/50.5	66/74	70/80	60/68	185/185	68/76	70/80	62/70	187/187
			104B+105A	19.9/26.5	55.2/63.8	80/91	80/100	73/83	185/185	82/93	90/100	75/85	187/187

See: Legend and Notes for Tables 1 – 4 on page 16.

Table 3 – RAH036–060 Unit Wire/Fuse or HACR Breaker Sizing Data (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
RAH060	460–3–60	DD–STD	NONE	–	–	14	20	14	58	15	20	15	59
			106A	6.0	7.2	14	20	14	58	16	20	15	59
			108A	11.5	13.8	23	25	20	58	24	25	22	59
			109A	14.0	16.8	26	30	24	58	28	30	25	59
			108A+108A	23.0	27.7	40	40	36	58	41	45	38	59
			108A+109A	25.5	30.7	44	45	40	58	45	45	41	59
		STD	NONE	–	–	13	15	12	63	14	20	13	64
			106A	6.0	7.2	13	15	12	63	14	20	13	64
			108A	11.5	13.8	21	25	19	63	22	25	20	64
			109A	14.0	16.8	25	25	22	63	26	30	23	64
			108A+108A	23.0	27.7	38	40	35	63	40	40	36	64
			108A+109A	25.5	30.7	42	45	38	63	43	45	39	64
		MED	NONE	–	–	14	20	14	90	15	20	15	91
			106A	6.0	7.2	15	20	14	90	16	20	15	91
			108A	11.5	13.8	23	25	21	90	24	25	22	91
			109A	14.0	16.8	27	30	24	90	28	30	25	91
			108A+108A	23.0	27.7	40	40	37	90	42	45	38	91
			108A+109A	25.5	30.7	44	45	40	90	45	45	41	91
		HIGH	NONE	–	–	14	20	14	90	15	20	15	91
			106A	6.0	7.2	15	20	14	90	16	20	15	91
			108A	11.5	13.8	23	25	21	90	24	25	22	91
			109A	14.0	16.8	27	30	24	90	28	30	25	91
			108A+108A	23.0	27.7	40	40	37	90	42	45	38	91
			108A+109A	25.5	30.7	44	45	40	90	45	45	41	91
	575–3–60	DD–STD	NONE	–	–	12	15	12	46	14	15	14	48
			298A	13.8	13.8	23	25	20	46	25	25	23	48
			301A	23.0	23.1	34	35	31	46	37	40	33	48
		STD	NONE	–	–	9	15	8	49	11	15	10	51
			298A	13.8	13.8	19	20	17	49	22	25	19	51
			301A	23.0	23.1	31	35	28	49	33	35	30	51
		MED	NONE	–	–	10	15	9	53	12	15	11	55
			298A	13.8	13.8	20	20	18	53	23	25	20	55
			301A	23.0	23.1	32	35	29	53	34	35	31	55
		HIGH	NONE	–	–	11	15	10	64	12	15	12	66
			298A	13.8	13.8	21	25	19	64	24	25	21	66
			301A	23.0	23.1	33	35	30	64	35	35	32	66

See: Legend and Notes for Tables 1 – 4 on page 16.

Table 4 – RAH036–060 Unit Wire Sizing Data with Factory Installed HACR Breaker

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	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH036	208/230–1–60	DD–STD	NONE	–	–	30	45	29	88	32	45	31	90
			101A	3.3/4.4	15.9/18.3	33/33	45/45	29/30	88/88	35/35	45/45	31/32	90/90
			102A	4.9/6.5	23.5/27.1	44/44	45/45	36/40	88/88	46/46	50/50	38/42	90/90
			103B	6.5/8.7	31.4/36.3	55/55	60/60	45/50	88/88	57/57	60/60	47/52	90/90
			104B	7.9/10.5	37.9/43.8	64/64	70/70	52/59	88/88	67/67	70/70	54/61	90/90
			102A+102A	9.8/13.0	46.9/54.2	77/77	80/80	62/71	88/88	80/80	80/80	65/73	90/90
		STD	NONE	–	–	27	40	26	93	29	45	28	95
			101A	3.3/4.4	15.9/18.3	29/29	40/40	26/27	93/93	32/32	45/45	28/29	95/95
			102A	4.9/6.5	23.5/27.1	40/40	45/45	33/37	93/93	43/43	45/45	35/39	95/95
			103B	6.5/8.7	31.4/36.3	52/52	60/60	42/47	93/93	54/54	60/60	44/50	95/95
			104B	7.9/10.5	37.9/43.8	61/61	70/70	49/56	93/93	64/64	70/70	51/58	95/95
			102A+102A	9.8/13.0	46.9/54.2	74/74	80/80	60/68	93/93	77/77	80/80	62/70	95/95
		MED	NONE	–	–	27	40	26	93	29	45	28	95
			101A	3.3/4.4	15.9/18.3	29/29	40/40	26/27	93/93	32/32	45/45	28/29	95/95
			102A	4.9/6.5	23.5/27.1	40/40	45/45	33/37	93/93	43/43	45/45	35/39	95/95
			103B	6.5/8.7	31.4/36.3	52/52	60/60	42/47	93/93	54/54	60/60	44/50	95/95
			104B	7.9/10.5	37.9/43.8	61/61	70/70	49/56	93/93	64/64	70/70	51/58	95/95
			102A+102A	9.8/13.0	46.9/54.2	74/74	80/80	60/68	93/93	77/77	80/80	62/70	95/95
	208/230–3–60	DD–STD	NONE	–	–	22	30	22	82	24	30	24	84
			101A	3.3/4.4	9.2/10.6	23/23	30/30	22/22	82/82	25/25	30/30	24/24	84/84
			102A	4.9/6.5	13.6/15.6	29/29	30/30	24/26	82/82	32/32	35/35	26/29	84/84
			103B	6.5/8.7	18.1/20.9	36/36	40/40	29/33	82/82	38/38	40/40	32/35	84/84
			104B	7.9/10.5	21.9/25.3	41/41	45/45	34/38	82/82	44/44	45/45	36/40	84/84
			105A	12.0/16.0	33.4/38.5	58/58	60/60	47/53	82/82	60/60	60/60	49/55	84/84
		STD	NONE	–	–	20	25	19	94	22	30	21	96
			101A	3.3/4.4	9.2/10.6	20/20	25/25	19/19	94/94	23/23	30/30	21/21	96/96
			102A	4.9/6.5	13.6/15.6	26/26	30/30	22/24	94/94	29/29	30/30	24/26	96/96
			103B	6.5/8.7	18.1/20.9	33/33	35/35	27/30	94/94	35/35	40/40	29/32	96/96
			104B	7.9/10.5	21.9/25.3	39/39	40/40	31/35	94/94	41/41	45/45	33/37	96/96
			105A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	94/94	57/57	60/60	47/52	96/96
		MED	NONE	–	–	20/20	25/25	19/19	111	22/22	30/30	21/21	113
			101A	3.3/4.4	9.2/10.6	20/20	25/25	19/19	111/111	22/22	30/30	21/21	113/113
			102A	4.9/6.5	13.6/15.6	26/26	30/30	22/24	111/111	28/28	30/30	24/26	113/113
			103B	6.5/8.7	18.1/20.9	33/33	35/35	27/30	111/111	35/35	35/35	29/32	113/113
			104B	7.9/10.5	21.9/25.3	38/38	40/40	31/35	111/111	41/41	45/45	33/37	113/113
			105A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	111/111	57/57	60/60	47/52	113/113
		HIGH	NONE	–	–	23/23	30/30	23/23	147	25/25	30/30	25/25	149
			101A	3.3/4.4	9.2/10.6	24/24	30/30	23/23	147/147	26/26	30/30	25/25	149/149
			102A	4.9/6.5	13.6/15.6	30/30	30/30	25/27	147/147	33/33	35/35	27/30	149/149
			103B	6.5/8.7	18.1/20.9	37/37	40/40	30/34	147/147	39/39	40/40	33/36	149/149
			104B	7.9/10.5	21.9/25.3	42/42	45/45	35/39	147/147	45/45	45/45	37/41	149/149
			105A	12.0/16.0	33.4/38.5	59/59	60/60	48/54	147/147	61/61	70/70	50/56	149/149

See: Legend and Notes for Tables 1 – 4 on page 16.

Table 4 – RAH036–060 Unit Wire Sizing Data with Factory Installed HACR Breaker (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	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH036	460–3–60	DD–STD	NONE	–	–	12	15	12	43	13	15	13	44
			106A	6.0	7.2	14	15	13	43	16	20	14	44
			107A	8.8	10.6	19	20	17	43	20	20	18	44
			108A	11.5	13.8	23	25	20	43	24	25	22	44
			109A	14.0	16.8	26	30	24	43	28	30	25	44
		STD	NONE	–	–	11	15	10	48	12	15	11	49
			106A	6.0	7.2	13	15	11	48	14	15	12	49
			107A	8.8	10.6	17	20	15	48	18	20	16	49
			108A	11.5	13.8	21	25	19	48	22	25	20	49
			109A	14.0	16.8	25	25	22	48	26	30	23	49
		MED	NONE	–	–	11	15	10	57	12	15	11	58
			106A	6.0	7.2	13	15	11	57	14	15	12	58
			107A	8.8	10.6	17	20	15	57	18	20	16	58
			108A	11.5	13.8	21	25	19	57	22	25	20	58
			109A	14.0	16.8	25	25	22	57	26	30	23	58
		HIGH	NONE	–	–	12	15	12	75	13	15	13	76
			106A	6.0	7.2	15	15	13	75	16	20	14	76
			107A	8.8	10.6	19	20	17	75	20	20	18	76
			108A	11.5	13.8	23	25	21	75	24	25	22	76
			109A	14.0	16.8	27	30	24	75	28	30	25	76
	575–3–60	DD–STD	NONE	–	–	10	15	10	42	12	15	12	44
			297A	9.2	9.2	17	20	15	42	19	20	17	44
			298A	13.8	13.8	23	25	20	42	25	25	23	44
		STD	NONE	–	–	7	15	6	45	9	15	9	47
			297A	9.2	9.2	13	15	12	45	16	20	14	47
			298A	13.8	13.8	19	20	17	45	22	25	19	47
		MED	NONE	–	–	7	15	6	45	9	15	9	47
			297A	9.2	9.2	13	15	12	45	16	20	14	47
			298A	13.8	13.8	19	20	17	45	22	25	19	47
		HIGH	NONE	–	–	8	15	7	49	10	15	9	51
			297A	9.2	9.2	14	15	13	49	17	20	15	51
			298A	13.8	13.8	20	20	18	49	23	25	20	51

See: Legend and Notes for Tables 1 – 4 on page 16.

Table 4 – RAH036–060 Unit Wire Sizing Data with Factory Installed HACR Breaker (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	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH048	208/230–1–60	DD–STD	NONE	–	–	37	50	35	127	38	50	37	129
			101A	3.3/4.4	15.9/18.3	37/37	50/50	35/35	127/127	38/38	50/50	37/37	129/129
			103B	6.5/8.7	31.4/36.3	55/55	60/60	45/50	127/127	57/57	60/60	47/52	129/129
			102A+102A	9.8/13.0	46.9/54.2	77/77	80/80	62/71	127/127	80/80	80/80	65/73	129/129
			103B+103B	13.1/17.4	62.8/72.5	100/100	100/100	81/92	127/127	103/103	110/110	83/94	129/129
			104B+104B	15.8/21.0	75.8/87.5	119/119	125/125	96/109	127/127	121/121	125/125	98/111	129/129
		STD	NONE	–	–	34	50	32	132	36	50	35	134
			101A	3.3/4.4	15.9/18.3	34/34	50/50	32/32	132/132	36/36	50/50	35/35	134/134
			103B	6.5/8.7	31.4/36.3	52/52	60/60	42/47	132/132	54/54	60/60	44/50	134/134
			102A+102A	9.8/13.0	46.9/54.2	74/74	80/80	60/68	132/132	77/77	80/80	62/70	134/134
			103B+103B	13.1/17.4	62.8/72.5	97/97	100/100	78/89	132/132	100/100	100/100	80/91	134/134
			104B+104B	15.8/21.0	75.8/87.5	116/116	125/125	93/106	132/132	118/118	125/125	95/108	134/134
		MED	NONE	–	–	34	50	32	132	36	50	35	134
			101A	3.3/4.4	15.9/18.3	34/34	50/50	32/32	132/132	36/36	50/50	35/35	134/134
			103B	6.5/8.7	31.4/36.3	52/52	60/60	42/47	132/132	54/54	60/60	44/50	134/134
			102A+102A	9.8/13.0	46.9/54.2	74/74	80/80	60/68	132/132	77/77	80/80	62/70	134/134
			103B+103B	13.1/17.4	62.8/72.5	97/97	100/100	78/89	132/132	100/100	100/100	80/91	134/134
			104B+104B	15.8/21.0	75.8/87.5	116/116	125/125	93/106	132/132	118/118	125/125	95/108	134/134
	208/230–3–60	DD–STD	NONE	–	–	26	30	26	93	28	40	28	95
			102A	4.9/6.5	13.6/15.6	29/29	30/30	26/26	93/93	32/32	40/40	28/29	95/95
			103B	6.5/8.7	18.1/20.9	36/36	40/40	29/33	93/93	38/38	40/40	32/35	95/95
			105A	12.0/16.0	33.4/38.5	58/58	60/60	47/53	93/93	60/60	60/60	49/55	95/95
			104B+104B	15.8/21.0	43.8/50.5	73/73	80/80	59/67	93/93	75/75	80/80	61/69	95/95
		STD	NONE	–	–	24	30	23	105	26	30	26	107
			102A	4.9/6.5	13.6/15.6	26/26	30/30	23/24	105/105	29/29	30/30	26/26	107/107
			103B	6.5/8.7	18.1/20.9	33/33	35/35	27/30	105/105	35/35	40/40	29/32	107/107
			105A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	105/105	57/57	60/60	47/52	107/107
			104B+104B	15.8/21.0	43.8/50.5	70/70	70/70	56/64	105/105	72/72	80/80	59/66	107/107
		MED	NONE	–	–	24/24	30/30	23/23	122	26/26	30/30	26/25	124
			102A	4.9/6.5	13.6/15.6	26/26	30/30	23/24	122/122	28/28	30/30	26/26	124/124
			103B	6.5/8.7	18.1/20.9	33/33	35/35	27/30	122/122	35/35	35/35	29/32	124/124
			105A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	122/122	57/57	60/60	47/52	124/124
			104B+104B	15.8/21.0	43.8/50.5	70/70	70/70	56/64	122/122	72/72	80/80	59/66	124/124
		HIGH	NONE	–	–	27/27	40/40	27/27	158	29/29	40/40	29/29	160
			102A	4.9/6.5	13.6/15.6	30/30	40/40	27/27	158/158	33/33	40/40	29/30	160/160
			103B	6.5/8.7	18.1/20.9	37/37	40/40	30/34	158/158	39/39	40/40	33/36	160/160
			105A	12.0/16.0	33.4/38.5	59/59	60/60	48/54	158/158	61/61	70/70	50/56	160/160
			104B+104B	15.8/21.0	43.8/50.5	74/74	80/80	60/68	158/158	76/76	80/80	62/70	160/160

See: Legend and Notes for Tables 1 – 4 on page 16.

Table 4 – RAH036–060 Unit Wire Sizing Data with Factory Installed HACR Breaker (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	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH048	460–3–60	DD–STD	NONE	–	–	13	15	13	47	14	20	14	48
			106A	6.0	7.2	14	15	13	47	16	20	14	48
			108A	11.5	13.8	23	25	20	47	24	25	22	48
			109A	14.0	16.8	26	30	24	47	28	30	25	48
			108A+108A	23.0	27.7	40	40	36	47	41	45	38	48
		STD	NONE	–	–	12	15	11	52	13	15	12	53
			106A	6.0	7.2	13	15	11	52	14	15	12	53
			108A	11.5	13.8	21	25	19	52	22	25	20	53
			109A	14.0	16.8	25	25	22	52	26	30	23	53
			108A+108A	23.0	27.7	38	40	35	52	40	40	36	53
		MED	NONE	–	–	12	15	11	61	13	15	12	62
			106A	6.0	7.2	13	15	11	61	14	15	12	62
			108A	11.5	13.8	21	25	19	61	22	25	20	62
			109A	14.0	16.8	25	25	22	61	26	30	23	62
			108A+108A	23.0	27.7	38	40	35	61	39	40	36	62
		HIGH	NONE	–	–	13	15	13	79	14	20	14	80
			106A	6.0	7.2	15	15	13	79	16	20	14	80
			108A	11.5	13.8	23	25	21	79	24	25	22	80
			109A	14.0	16.8	27	30	24	79	28	30	25	80
			108A+108A	23.0	27.7	40	40	37	79	42	45	38	80
	575–3–60	DD–STD	NONE	–	–	11	15	11	39	13	15	13	41
			297A	9.2	9.2	17	20	15	39	19	20	17	41
			298A	13.8	13.8	23	25	20	39	25	25	23	41
		STD	NONE	–	–	9	15	8	42	10	15	10	44
			297A	9.2	9.2	13	15	12	42	16	20	14	44
			298A	13.8	13.8	19	20	17	42	22	25	19	44
		MED	NONE	–	–	9	15	8	42	11	15	11	44
			297A	9.2	9.2	14	15	12	42	16	20	15	44
			298A	13.8	13.8	20	20	18	42	22	25	20	44
		HIGH	NONE	–	–	10	15	10	57	12	15	12	59
			297A	9.2	9.2	15	15	14	57	18	20	16	59
			298A	13.8	13.8	21	25	19	57	24	25	21	59

See: Legend and Notes for Tables 1 – 4 on page 16.

Table 4 – RAH036–060 Unit Wire Sizing Data with Factory Installed HACR Breaker (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	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH060	208/230–1–60	DD–STD	NONE	–	–	41	60	39	144	42	60	41	146
			102A	4.9/6.5	23.5/27.1	44/44	60/60	39/40	144/144	46/46	60/60	41/42	146/146
			103B	6.5/8.7	31.4/36.3	55/55	60/60	45/50	144/144	57/57	60/60	47/52	146/146
			102A+102A	9.8/13.0	46.9/54.2	77/77	80/80	62/71	144/144	80/80	80/80	65/73	146/146
			103B+103B	13.1/17.4	62.8/72.5	100/100	100/100	81/92	144/144	103/103	110/110	83/94	146/146
			104B+104B	15.8/21.0	75.8/87.5	119/119	125/125	96/109	144/144	121/121	125/125	98/111	146/146
		STD	NONE	–	–	38	60	36	149	40	60	38	151
			102A	4.9/6.5	23.5/27.1	40/40	60/60	36/37	149/149	43/43	60/60	38/39	151/151
			103B	6.5/8.7	31.4/36.3	52/52	60/60	42/47	149/149	54/54	60/60	44/50	151/151
			102A+102A	9.8/13.0	46.9/54.2	74/74	80/80	60/68	149/149	77/77	80/80	62/70	151/151
			103B+103B	13.1/17.4	62.8/72.5	97/97	100/100	78/89	149/149	100/100	100/100	80/91	151/151
			104B+104B	15.8/21.0	75.8/87.5	116/116	125/125	93/106	149/149	118/118	125/125	95/108	151/151
		MED	NONE	–	–	40	60	38	174	42	60	41	176
			102A	4.9/6.5	23.5/27.1	43/43	60/60	38/39	174/174	45/45	60/60	41/41	176/176
			103B	6.5/8.7	31.4/36.3	55/55	60/60	44/50	174/174	57/57	60/60	46/52	176/176
			102A+102A	9.8/13.0	46.9/54.2	77/77	80/80	62/70	174/174	79/79	80/80	64/73	176/176
			103B+103B	13.1/17.4	62.8/72.5	100/100	100/100	80/91	174/174	102/102	110/110	82/94	176/176
			104B+104B	15.8/21.0	75.8/87.5	119/119	125/125	95/109	174/174	121/121	125/125	97/111	176/176
	208/230–3–60	DD–STD	NONE	–	–	29	40	28	120	31	45	31	122
			102A	4.9/6.5	13.6/15.6	29/29	40/40	28/28	120/120	32/32	45/45	31/31	122/122
			104B	7.9/10.5	21.9/25.3	41/41	45/45	34/38	120/120	44/44	45/45	36/40	122/122
			105A	12.0/16.0	33.4/38.5	58/58	60/60	47/53	120/120	60/60	60/60	49/55	122/122
			104B+104B	15.8/21.0	43.8/50.5	73/73	80/80	59/67	120/120	75/75	80/80	61/69	122/122
			104B+105A	19.9/26.5	55.2/63.8	89/89	90/90	72/82	120/120	92/92	100/100	74/84	122/122
		STD	NONE	–	–	27	40	26	132	29	40	28	134
			102A	4.9/6.5	13.6/15.6	27/27	40/40	26/26	132/132	29/29	40/40	28/28	134/134
			104B	7.9/10.5	21.9/25.3	39/39	40/40	31/35	132/132	41/41	45/45	33/37	134/134
			105A	12.0/16.0	33.4/38.5	55/55	60/60	44/50	132/132	57/57	60/60	47/52	134/134
			104B+104B	15.8/21.0	43.8/50.5	70/70	70/70	56/64	132/132	72/72	80/80	59/66	134/134
			104B+105A	19.9/26.5	55.2/63.8	87/87	90/90	69/79	132/132	89/89	90/90	72/82	134/134
		MED	NONE	–	–	30/30	45/45	30/29	185	32/32	45/45	32/32	187
			102A	4.9/6.5	13.6/15.6	30/30	45/45	30/29	185/185	33/33	45/45	32/32	187/187
			104B	7.9/10.5	21.9/25.3	42/42	45/45	35/39	185/185	45/45	45/45	37/41	187/187
			105A	12.0/16.0	33.4/38.5	59/59	60/60	48/54	185/185	61/61	70/70	50/56	187/187
			104B+104B	15.8/21.0	43.8/50.5	74/74	80/80	60/68	185/185	76/76	80/80	62/70	187/187
			104B+105A	19.9/26.5	55.2/63.8	91/91	100/100	73/83	185/185	93/93	100/100	75/85	187/187
		HIGH	NONE	–	–	30/30	45/45	30/29	185	32/32	45/45	32/32	187
			102A	4.9/6.5	13.6/15.6	30/30	45/45	30/29	185/185	33/33	45/45	32/32	187/187
			104B	7.9/10.5	21.9/25.3	42/42	45/45	35/39	185/185	45/45	45/45	37/41	187/187
			105A	12.0/16.0	33.4/38.5	59/59	60/60	48/54	185/185	61/61	70/70	50/56	187/187
			104B+104B	15.8/21.0	43.8/50.5	74/74	80/80	60/68	185/185	76/76	80/80	62/70	187/187

See: Legend and Notes for Tables 1 – 4 on page 16.

Table 4 – RAH036–060 Unit Wire Sizing Data with Factory Installed HACR Breaker (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	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA
RAH060	460–3–60	DD–STD	NONE	–	–	14	20	14	58	15	20	15	59
			106A	6.0	7.2	14	20	14	58	16	20	15	59
			108A	11.5	13.8	23	25	20	58	24	25	22	59
			109A	14.0	16.8	26	30	24	58	28	30	25	59
			108A+108A	23.0	27.7	40	40	36	58	41	45	38	59
			108A+109A	25.5	30.7	44	45	40	58	45	45	41	59
		STD	NONE	–	–	13	15	12	63	14	20	13	64
			106A	6.0	7.2	13	15	12	63	14	20	13	64
			108A	11.5	13.8	21	25	19	63	22	25	20	64
			109A	14.0	16.8	25	25	22	63	26	30	23	64
			108A+108A	23.0	27.7	38	40	35	63	40	40	36	64
			108A+109A	25.5	30.7	42	45	38	63	43	45	39	64
		MED	NONE	–	–	14	20	14	90	15	20	15	91
			106A	6.0	7.2	15	20	14	90	16	20	15	91
			108A	11.5	13.8	23	25	21	90	24	25	22	91
			109A	14.0	16.8	27	30	24	90	28	30	25	91
			108A+108A	23.0	27.7	40	40	37	90	42	45	38	91
			108A+109A	25.5	30.7	44	45	40	90	45	45	41	91
		HIGH	NONE	–	–	14	20	14	90	15	20	15	91
			106A	6.0	7.2	15	20	14	90	16	20	15	91
			108A	11.5	13.8	23	25	21	90	24	25	22	91
			109A	14.0	16.8	27	30	24	90	28	30	25	91
			108A+108A	23.0	27.7	40	40	37	90	42	45	38	91
			108A+109A	25.5	30.7	44	45	40	90	45	45	41	91
	575–3–60	DD–STD	NONE	–	–	12	15	12	46	14	15	14	48
			298A	13.8	13.8	23	25	20	46	25	25	23	48
			301A	23.0	23.1	34	35	31	46	37	40	33	48
		STD	NONE	–	–	9	15	8	49	11	15	10	51
			298A	13.8	13.8	19	20	17	49	22	25	19	51
			301A	23.0	23.1	31	35	28	49	33	35	30	51
		MED	NONE	–	–	10	15	9	53	12	15	11	55
			298A	13.8	13.8	20	20	18	53	23	25	20	55
			301A	23.0	23.1	32	35	29	53	34	35	31	55
		HIGH	NONE	–	–	11	15	10	64	12	15	12	66
			298A	13.8	13.8	21	25	19	64	24	25	21	66
			301A	23.0	23.1	33	35	30	64	35	35	32	66

See: Legend and Notes for Tables 1 – 4 on page 16.

Legend and Notes for Tables 1 – 4

LEGEND:

BRKR	–	Circuit breaker
CO	–	Convenience outlet
DD	–	Direct drive (indoor fan motor)
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.