RGH/RAH 240/243 & 300/303
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 APRIL 18, 2016 ONLY!

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

This supplement only applies to RGH/RAH 240/242 & 300/303 units manufactured on or after April 18, 2016. To confirm the date of manufacture of the 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 1617 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

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

Manufacturing Location

Year of Manufacture ("16" = 2016)

Week of Manufacture (fiscal calendar)

Sequence Number

C160051

SAFETY CONSIDERATIONS

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

Follow all safety codes. Wear safety glasses and work gloves. Use quenching cloths for brazing operations and have a fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions attached to the unit. Consult local building codes and appropriate national electrical codes (in USA, ANSI/NFPA 70, National Electrical Code (NEC); in Canada, CSA C22.1) for special requirements.

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

Understand the signal words DANGER, WARNING, CAUTION, and NOTE. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used to identify unsafe practices, which **may** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

⚠ CAUTION

ELECTRICAL HAZARD

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

The electrical data contained in this document is only for use with RGH/RAH 240/243 & 300/303 units manufactured on or after April 18, 2016. 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 1617 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 – RGH240/243 & 300/303 Units Wire/Fuse or HACR Breaker Sizing Data - Single-Speed Indoor Fan Motor

UNIT	NOM. V–Ph–Hz	IFM TYPE	NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
			NO P.E.				w/ P.E. (pwrd fr/ unit)				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		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
RGH 240/243	208/230–3–60	STD	86.6	100	91	574	98.4	125	105	594	91.4	100	97	579	103.2	125	111	599
		MED–High Efficiency	86.6	100	91	574	98.4	125	105	594	91.4	100	97	579	103.2	125	111	599
		HIGH–High Efficiency	98.0	125	105	653	109.8	125	118	673	102.8	125	110	658	114.6	125	124	678
	460–3–60	STD	45.3	50	48	310	51.5	60	55	322	47.5	60	50	312	53.7	60	58	324
		MED–High Efficiency	45.3	50	48	310	51.5	60	55	322	47.5	60	50	312	53.7	60	58	324
		HIGH–High Efficiency	51.0	60	54	350	57.2	70	62	362	53.2	60	57	352	59.4	70	64	364
	575–3–60	STD	33.4	40	35	232	38.2	45	41	240	35.1	45	37	234	39.9	50	43	242
		MED–High Efficiency	35.4	45	37	230	40.2	50	43	238	37.1	45	39	232	41.9	50	45	240
		HIGH–High Efficiency	37.3	45	40	257	42.1	50	45	265	39.0	50	42	259	43.8	50	47	267
RGH 300/303 [1]	208/230–3–60	STD	116.6/115.7	150/150	120/119	591	128.4/127.5	175/175	134/133	611	121.4/120.5	150/150	126/125	596	133.2/132.3	175/175	139/138	616
		MED–High Efficiency	120.1	150	124	587	131.9	175	138	607	124.9	150	130	592	136.7	175	143	612
		HIGH–High Efficiency	131.5	175	137	666	143.3	175	151	686	136.3	175	143	671	148.1	175	157	691
	460–3–60	STD	51.1	60	53	321	57.3	70	60	333	53.3	60	56	323	59.5	70	63	335
		MED–High Efficiency	53.3	60	56	319	59.5	70	63	331	55.5	70	58	321	61.7	80	66	333
		HIGH–High Efficiency	59.0	70	62	359	65.2	80	70	371	61.2	70	65	361	67.4	80	72	373
	575–3–60	STD	40.5	50	42	256	45.3	50	48	264	42.2	50	44	258	47.0	60	50	266
		MED–High Efficiency	42.5	50	45	254	47.3	60	50	262	44.2	50	47	256	49.0	60	52	264
		HIGH–High Efficiency	44.4	50	47	281	49.2	60	52	289	46.1	60	49	283	50.9	60	54	291

[1] – STD static is not available on RGH303.

See: “Legend and Notes for Tables 1 – 4” on page 8.

Table 2 – RGH240/243 & 300/303 Units Wire/Fuse or HACR Breaker Sizing Data - 2-Speed Indoor Fan Motor

UNIT	NOM. V–Ph–Hz	IFM TYPE	NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
			NO P.E.				w/ P.E. (pwrd fr/ unit)				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		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
					FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
RGH 240/243	208/230–3–60	STD	83.1/82.2	100/100	87/86	578	94.9/94.0	110/110	101/100	598	87.9/87.0	100/100	93/92	583	99.7/98.8	125/125	106/105	603
		MED	86.6	100	91	574	98.4	125	105	594	91.4	100	97	579	103.2	125	111	599
		HIGH	98.0	125	105	653	109.8	125	118	673	102.8	125	110	658	114.6	125	124	678
	460–3–60	STD	43.1	50	45	312	49.3	60	52	324	45.3	50	48	314	51.5	60	55	326
		MED	45.3	50	48	310	51.5	60	55	322	47.5	60	50	312	53.7	60	58	324
		HIGH	51.0	60	54	350	57.2	70	62	362	53.2	60	57	352	59.4	70	64	364
	575–3–60	STD	34.0	45	36	232	38.8	50	41	240	35.7	45	38	234	40.5	50	43	242
		MED	35.4	45	37	230	40.2	50	43	238	37.1	45	39	232	41.9	50	45	240
		HIGH	37.3	45	40	257	42.1	50	45	265	39.0	50	42	259	43.8	50	47	267
RGH 300/303 [1]	208/230–3–60	STD	116.6/115.7	150/150	120/119	591	128.4/127.5	175/175	134/133	611	121.4/120.5	150/150	126/125	596	133.2/132.3	175/175	139/138	616
		MED	120.1	150	124	587	131.9	175	138	607	124.9	150	130	592	136.7	175	143	612
		HIGH	131.5	175	137	666	143.3	175	151	686	136.3	175	143	671	148.1	175	157	691
	460–3–60	STD	51.1	60	53	321	57.3	70	60	333	53.3	60	56	323	59.5	70	63	335
		MED	53.3	60	56	319	59.5	70	63	331	55.5	70	58	321	61.7	80	66	333
		HIGH	59.0	70	62	359	65.2	80	70	371	61.2	70	65	361	67.4	80	72	373
	575–3–60	STD	41.1	50	43	256	45.9	60	49	264	42.8	50	45	258	47.6	60	50	266
		MED	42.5	50	45	254	47.3	60	50	262	44.2	50	47	256	49.0	60	52	264
		HIGH	44.4	50	47	281	49.2	60	52	289	46.1	60	49	283	50.9	60	54	291

[1] – STD static is not available on RGH303.

See: “Legend and Notes for Tables 1 – 4” on page 8.

Table 3 – RAH240/243 & 300/303 Unit Wire/Fuse or HACR Breaker Sizing Data - Single-Speed Indoor Fan Motor

UNIT	NOM. V–Ph–Hz	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						NO P.E.				w/ P.E. (pwrd fr/unit)				NO P.E.				w/ P.E. (pwrd fr/unit)			
			CRHEATER***A00 VERT/HORIZ	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
RAH240/243	208/230–3–60	STD	NONE	–	–	86.6	100	91	574	98.4	125	105	594	91.4	100	97	579	103.2	125	111	599
			279/270A00	18.8/25.0	52.1/60.1	86.6/96.5	100/100	91/91	574/574	101.3/111.3	125/125	105/105	594/594	92.5/102.5	100/110	97/97	579/579	107.3/117.3	125/125	111/111	599/599
			280/271A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	574/574	166.4/156.4	175/175	153/172	594/594	157.6/147.7	175/175	145/164	579/579	172.4/162.4	175/175	159/177	599/599
			281/272A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	574/574	192.5/216.5	200/250	213/241	594/594	183.8/207.8	200/225	205/233	579/579	198.5/222.5	200/250	219/246	599/599
		MED–High Efficiency	NONE	–	–	86.6	100	91	574	98.4	125	105	594	91.4	100	97	579	103.2	125	111	599
			279/270A00	18.8/25.0	52.1/60.1	86.6/96.5	100/100	91/91	574/574	101.3/111.3	125/125	105/105	594/594	92.5/102.5	100/110	97/97	579/579	107.3/117.3	125/125	111/111	599/599
			280/271A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	574/574	166.4/156.4	175/175	153/172	594/594	157.6/147.7	175/175	145/164	579/579	172.4/162.4	175/175	159/177	599/599
			281/272A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	574/574	192.5/216.5	200/250	213/241	594/594	183.8/207.8	200/225	205/233	579/579	198.5/222.5	200/250	219/246	599/599
		HIGH–High Efficiency	NONE	–	–	98.0	125	105	653	109.8	125	118	673	102.8	125	110	658	114.6	125	124	678
			279/270A00	18.8/25.0	52.1/60.1	100.8/110.8	125/125	105/105	653/653	115.5/125.5	125/150	118/118	673/673	106.8/116.8	125/125	110/110	658/658	121.5/131.5	125/150	124/124	678/678
			280/271A00	37.6/50.0	104.2/120.3	165.9/155.9	175/175	153/171	653/653	180.6/170.7	200/175	166/185	673/673	171.9/161.9	175/175	158/177	658/658	186.6/176.7	200/200	172/190	678/678
			281/272A00	56.3/75.0	156.4/180.4	192.0/216.0	200/250	213/240	653/653	206.8/230.8	225/250	226/254	673/673	198.0/222.0	225/250	218/246	658/658	212.8/236.8	225/250	232/259	678/678
	460–3–60	STD	NONE	–	–	45.3	50	48	310	51.5	60	55	322	47.5	60	50	312	53.7	60	58	324
			282/273A00	25.0	30.1	48.4	50	48	310	56.1	60	55	322	51.1	60	50	312	58.9	60	58	324
			283/274A00	50.0	60.1	70.9	80	79	310	78.6	80	86	322	73.6	80	82	312	81.4	90	89	324
			284/275A00	75.0	90.2	101.0	110	114	310	108.7	125	121	322	103.7	125	116	312	111.5	125	123	324
		MED–High Efficiency	NONE	–	–	45.3	50	48	310	51.5	60	55	322	47.5	60	50	312	53.7	60	58	324
			282/273A00	25.0	30.1	48.4	50	48	310	56.1	60	55	322	51.1	60	50	312	58.9	60	58	324
			283/274A00	50.0	60.1	70.9	80	79	310	78.6	80	86	322	73.6	80	82	312	81.4	90	89	324
			284/275A00	75.0	90.2	101.0	110	114	310	108.7	125	121	322	103.7	125	116	312	111.5	125	123	324
		HIGH–High Efficiency	NONE	–	–	51.0	60	54	350	57.2	70	62	362	53.2	60	57	352	59.4	70	64	364
			282/273A00	25.0	30.1	55.5	60	54	350	63.3	70	62	362	58.3	60	57	352	66.0	70	64	364
			283/274A00	50.0	60.1	78.0	90	86	350	85.7	90	93	362	80.7	90	88	352	88.5	100	95	364
			284/275A00	75.0	90.2	108.1	125	120	350	115.8	125	127	362	110.8	125	123	352	118.6	125	130	364
	575–3–60	STD	NONE	–	–	33.4	40	35	232	38.2	45	41	240	35.1	45	37	234	39.9	50	43	242
			285/276A00	24.8	23.9	36.9	40	35	232	42.9	45	41	240	39.0	45	37	234	45.0	50	43	242
			286/277A00	49.6	47.7	66.6	70	61	232	72.6	80	67	240	68.8	70	63	234	74.8	80	69	242
			287/278A00	74.4	71.6	78.6	90	89	232	84.6	90	94	240	80.7	90	91	234	86.7	90	96	242
		MED–High Efficiency	NONE	–	–	35.4	45	37	230	40.2	50	43	238	37.1	45	39	232	41.9	50	45	240
			285/276A00	24.8	23.9	39.4	45	37	230	45.4	50	43	238	41.5	45	39	232	47.5	50	45	240
			286/277A00	49.6	47.7	69.1	70	64	230	75.1	80	69	238	71.3	80	66	232	77.3	80	71	240
			287/278A00	74.4	71.6	81.1	90	91	230	87.1	90	97	238	83.2	90	93	232	89.2	90	99	240
		HIGH–High Efficiency	NONE	–	–	37.3	45	40	257	42.1	50	45	265	39.0	50	42	259	43.8	50	47	267
			285/276A00	24.8	23.9	41.8	45	40	257	47.8	50	45	265	43.9	50	42	259	49.9	50	47	267
			286/277A00	49.6	47.7	71.5	80	66	257	77.5	80	71	265	73.6	80	68	259	79.6	80	73	267
			287/278A00	74.4	71.6	83.5	90	93	257	89.5	100	99	265	85.6	90	95	259	91.6	100	101	267

See: “Legend and Notes for Tables 1 – 4” on page 8.

Table 3 – RAH240/243 & 300/303 Unit Wire/Fuse or HACR Breaker Sizing Data – Single-Speed Indoor Fan Motor (cont.)

UNIT	NOM. V–Ph–Hz	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						NO P.E.				w/ P.E. (pwrd fr/unit)				NO P.E.				w/ P.E. (pwrd fr/unit)			
			CRHEATER***A00 VERT/HORIZ	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
RAH300/303	208/230–3–60	STD	NONE	–	–	116.6/115.7	150/150	120/119	591	128.4/127.5	175/175	134/133	611	121.4/120.5	150/150	126/125	596	133.2/132.3	175/175	139/138	616
			279/270A00	18.8/25.0	52.1/60.1	116.6/115.7	150/150	120/119	591/591	128.4/127.5	175/175	134/133	611/611	121.4/120.5	150/150	126/125	596/596	133.2/132.3	175/175	139/138	616/616
			280/271A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	591/591	162.0/150.9	175/175	149/167	611/611	153.3/142.2	175/175	141/158	596/596	168.0/156.9	175/175	155/172	616/616
			281/272A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	591/591	188.2/211.0	200/225	209/236	611/611	179.4/202.3	200/225	201/228	596/596	194.2/217.0	200/250	215/241	616/616
		MED–High Efficiency	NONE	–	–	120.1	150	124	587	131.9	175	138	607	124.9	150	130	592	136.7	175	143	612
			279/270A00	18.8/25.0	52.1/60.1	120.1/120.1	150/150	124/124	587/587	131.9/131.9	175/175	138/138	607/607	124.9/124.9	150/150	130/130	592/592	136.7/136.7	175/175	143/143	612/612
			280/271A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	587/587	166.4/156.4	175/175	153/172	607/607	157.6/147.7	175/175	145/164	592/592	172.4/162.4	175/175	159/177	612/612
			281/272A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	587/587	192.5/216.5	200/250	213/241	607/607	183.8/207.8	200/225	205/233	592/592	198.5/222.5	200/250	219/246	612/612
		HIGH–High Efficiency	NONE	–	–	131.5	175	137	666	143.3	175	151	686	136.3	175	143	671	148.1	175	157	691
			279/270A00	18.8/25.0	52.1/60.1	131.5/131.5	175/175	137/137	666/666	143.3/143.3	175/175	151/151	686/686	136.3/136.3	175/175	143/143	671/671	148.1/148.1	175/175	157/157	691/691
			280/271A00	37.6/50.0	104.2/120.3	165.9/155.9	175/175	153/171	666/666	180.6/170.7	200/175	166/185	686/686	171.9/161.9	175/175	158/177	671/671	186.6/176.7	200/200	172/190	691/691
			281/272A00	56.3/75.0	156.4/180.4	192.0/216.0	200/250	213/240	666/666	206.8/230.8	225/250	226/254	686/686	198.0/222.0	225/250	218/246	671/671	212.8/236.8	225/250	232/259	691/691
	460–3–60	STD	NONE	–	–	51.1	60	53	321	57.3	70	60	333	53.3	60	56	323	59.5	70	63	335
			282/273A00	25.0	30.1	51.1	60	53	321	57.3	70	60	333	53.3	60	56	323	59.5	70	63	335
			283/274A00	50.0	60.1	68.1	80	76	321	75.9	80	84	333	70.9	80	79	323	78.6	80	86	335
			284/275A00	75.0	90.2	98.2	100	111	321	106.0	125	118	333	101.0	110	114	323	108.7	125	121	335
		MED–High Efficiency	NONE	–	–	53.3	60	56	319	59.5	70	63	331	55.5	70	58	321	61.7	80	66	333
			282/273A00	25.0	30.1	53.3	60	56	319	59.5	70	63	331	55.5	70	58	321	61.7	80	66	333
			283/274A00	50.0	60.1	70.9	80	79	319	78.6	80	86	331	73.6	80	82	321	81.4	90	89	333
			284/275A00	75.0	90.2	101.0	110	114	319	108.7	125	121	331	103.7	125	116	321	111.5	125	123	333
		HIGH–High Efficiency	NONE	–	–	59.0	70	62	359	65.2	80	70	371	61.2	70	65	361	67.4	80	72	373
			282/273A00	25.0	30.1	59.0	70	62	359	65.2	80	70	371	61.2	70	65	361	67.4	80	72	373
			283/274A00	50.0	60.1	78.0	90	86	359	85.7	90	93	371	80.7	90	88	361	88.5	100	95	373
			284/275A00	75.0	90.2	108.1	125	120	359	115.8	125	127	371	110.8	125	123	361	118.6	125	130	373
	575–3–60	STD	NONE	–	–	40.5	50	42	256	45.3	50	48	264	42.2	50	44	258	47.0	60	50	266
			285/276A00	24.8	23.9	40.5	50	42	256	45.3	50	48	264	42.2	50	44	258	47.0	60	50	266
			286/277A00	49.6	47.7	66.6	70	61	256	72.6	80	67	264	68.8	70	63	258	74.8	80	69	266
			287/278A00	74.4	71.6	78.6	90	89	256	84.6	90	94	264	80.7	90	91	258	86.7	90	96	266
		MED–High Efficiency	NONE	–	–	42.5	50	45	254	47.3	60	50	262	44.2	50	47	256	49.0	60	52	264
			285/276A00	24.8	23.9	42.5	50	45	254	47.3	60	50	262	44.2	50	47	256	49.0	60	52	264
			286/277A00	49.6	47.7	69.1	70	64	254	75.1	80	69	262	71.3	80	66	256	77.3	80	71	264
			287/278A00	74.4	71.6	81.1	90	91	254	87.1	90	97	262	83.2	90	93	256	89.2	90	99	264
		HIGH–High Efficiency	NONE	–	–	44.4	50	47	281	49.2	60	52	289	46.1	60	49	283	50.9	60	54	291
			285/276A00	24.8	23.9	44.4	50	47	281	49.2	60	52	289	46.1	60	49	283	50.9	60	54	291
			286/277A00	49.6	47.7	71.5	80	66	281	77.5	80	71	289	73.6	80	68	283	79.6	80	73	291
			287/278A00	74.4	71.6	83.5	90	93	281	89.5	100	99	289	85.6	90	95	283	91.6	100	101	291

See: “Legend and Notes for Tables 1 – 4” on page 8.

Table 4 – RAH240/243 & 300/303 Unit Wire/Fuse or HACR Breaker Sizing Data - 2-Speed Indoor Fan Motor

UNIT	NOM. V–Ph–Hz	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						NO P.E.				w/ P.E. (pwrd fr/unit)				NO P.E.				w/ P.E. (pwrd fr/unit)			
			CRHEATER***A00 VERT/HORIZ	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
RAH240/243	208/230–3–60	STD	NONE	–	–	83.1/82.2	100/100	87/86	578	94.9/94.0	110/110	101/100	598	87.9/87.0	100/100	93/92	583	99.7/98.8	125/125	106/105	603
			279/270A00	18.8/25.0	52.1/60.1	83.1/91.0	100/100	87/86	578/578	96.9/105.8	110/110	101/100	598/598	88.1/97.0	100/100	93/92	583/583	102.9/111.8	125/125	106/105	603/603
			280/271A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	578/578	162.0/150.9	175/175	149/167	598/598	153.3/142.2	175/175	141/158	583/583	168.0/156.9	175/175	155/172	603/603
			281/272A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	578/578	188.2/211.0	200/225	209/236	598/598	179.4/202.3	200/225	201/228	583/583	194.2/217.0	200/250	215/241	603/603
		MED	NONE	–	–	86.6	100	91	574	98.4	125	105	594	91.4	100	97	579	103.2	125	111	599
			279/270A00	18.8/25.0	52.1/60.1	86.6/96.5	100/100	91/91	574/574	101.3/111.3	125/125	105/105	594/594	92.5/102.5	100/110	97/97	579/579	107.3/117.3	125/125	111/111	599/599
			280/271A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	574/574	166.4/156.4	175/175	153/172	594/594	157.6/147.7	175/175	145/164	579/579	172.4/162.4	175/175	159/177	599/599
			281/272A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	574/574	192.5/216.5	200/250	213/241	594/594	183.8/207.8	200/225	205/233	579/579	198.5/222.5	200/250	219/246	599/599
		HIGH	NONE	–	–	98.0	125	105	653	109.8	125	118	673	102.8	125	110	658	114.6	125	124	678
			279/270A00	18.8/25.0	52.1/60.1	100.8/110.8	125/125	105/105	653/653	115.5/125.5	125/150	118/118	673/673	106.8/116.8	125/125	110/110	658/658	121.5/131.5	125/150	124/124	678/678
			280/271A00	37.6/50.0	104.2/120.3	165.9/155.9	175/175	153/171	653/653	180.6/170.7	200/175	166/185	673/673	171.9/161.9	175/175	158/177	658/658	186.6/176.7	200/200	172/190	678/678
			281/272A00	56.3/75.0	156.4/180.4	192.0/216.0	200/250	213/240	653/653	206.8/230.8	225/250	226/254	673/673	198.0/222.0	225/250	218/246	658/658	212.8/236.8	225/250	232/259	678/678
	460–3–60	STD	NONE	–	–	43.1	50	45	312	49.3	60	52	324	45.3	50	48	314	51.5	60	55	326
			282/273A00	25.0	30.1	45.6	50	45	312	53.4	60	52	324	48.4	50	48	314	56.1	60	55	326
			283/274A00	50.0	60.1	68.1	80	76	312	75.9	80	84	324	70.9	80	79	314	78.6	80	86	326
			284/275A00	75.0	90.2	98.2	100	111	312	106.0	125	118	324	101.0	110	114	314	108.7	125	121	326
		MED	NONE	–	–	45.3	50	48	310	51.5	60	55	322	47.5	60	50	312	53.7	60	58	324
			282/273A00	25.0	30.1	48.4	50	48	310	56.1	60	55	322	51.1	60	50	312	58.9	60	58	324
			283/274A00	50.0	60.1	70.9	80	79	310	78.6	80	86	322	73.6	80	82	312	81.4	90	89	324
			284/275A00	75.0	90.2	101.0	110	114	310	108.7	125	121	322	103.7	125	116	312	111.5	125	123	324
		HIGH	NONE	–	–	51.0	60	54	350	57.2	70	62	362	53.2	60	57	352	59.4	70	64	364
			282/273A00	25.0	30.1	55.5	60	54	350	63.3	70	62	362	58.3	60	57	352	66.0	70	64	364
			283/274A00	50.0	60.1	78.0	90	86	350	85.7	90	93	362	80.7	90	88	352	88.5	100	95	364
			284/275A00	75.0	90.2	108.1	125	120	350	115.8	125	127	362	110.8	125	123	352	118.6	125	130	364
	575–3–60	STD	NONE	–	–	34.0	45	36	232	38.8	50	41	240	35.7	45	38	234	40.5	50	43	242
			285/276A00	24.8	23.9	37.6	45	36	232	43.6	50	41	240	39.8	45	38	234	45.8	50	43	242
			286/277A00	49.6	47.7	67.4	70	62	232	73.4	80	68	240	69.5	70	64	234	75.5	80	69	242
			287/278A00	74.4	71.6	79.4	90	89	232	85.4	90	95	240	81.5	90	91	234	87.5	90	97	242
		MED	NONE	–	–	35.4	45	37	230	40.2	50	43	238	37.1	45	39	232	41.9	50	45	240
			285/276A00	24.8	23.9	39.4	45	37	230	45.4	50	43	238	41.5	45	39	232	47.5	50	45	240
			286/277A00	49.6	47.7	69.1	70	64	230	75.1	80	69	238	71.3	80	66	232	77.3	80	71	240
			287/278A00	74.4	71.6	81.1	90	91	230	87.1	90	97	238	83.2	90	93	232	89.2	90	99	240
		HIGH	NONE	–	–	37.3	45	40	257	42.1	50	45	265	39.0	50	42	259	43.8	50	47	267
			285/276A00	24.8	23.9	41.8	45	40	257	47.8	50	45	265	43.9	50	42	259	49.9	50	47	267
			286/277A00	49.6	47.7	71.5	80	66	257	77.5	80	71	265	73.6	80	68	259	79.6	80	73	267
			287/278A00	74.4	71.6	83.5	90	93	257	89.5	100	99	265	85.6	90	95	259	91.6	100	101	267

See: “Legend and Notes for Tables 1 – 4” on page 8.

Table 4 – RAH240/243 & 300/303 Unit Wire/Fuse or HACR Breaker Sizing Data – 2-Speed Indoor Fan Motor (cont.)

UNIT	NOM. V–Ph–Hz	IFM-TYPE	ELEC. HTR			NO C.O. or UNPWR C.O.								w/ PWRD C.O.							
						NO P.E.				w/ P.E. (pwrd fr/unit)				NO P.E.				w/ P.E. (pwrd fr/unit)			
			CRHEATER***A00 VERT/HORIZ	Nom (kW)	FLA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE		MCA	MAX FUSE or HACR BRKR	DISC. SIZE	
								FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA
RAH300/303	208/230–3–60	STD	NONE	–	–	116.6/115.7	150/150	120/119	591	128.4/127.5	175/175	134/133	611	121.4/120.5	150/150	126/125	596	133.2/132.3	175/175	139/138	616
			279/270A00	18.8/25.0	52.1/60.1	116.6/115.7	150/150	120/119	591/591	128.4/127.5	175/175	134/133	611/611	121.4/120.5	150/150	126/125	596/596	133.2/132.3	175/175	139/138	616/616
			280/271A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	591/591	162.0/150.9	175/175	149/167	611/611	153.3/142.2	175/175	141/158	596/596	168.0/156.9	175/175	155/172	616/616
			281/272A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	591/591	188.2/211.0	200/225	209/236	611/611	179.4/202.3	200/225	201/228	596/596	194.2/217.0	200/250	215/241	616/616
		MED	NONE	–	–	120.1	150	124	587	131.9	175	138	607	124.9	150	130	592	136.7	175	143	612
			279/270A00	18.8/25.0	52.1/60.1	120.1/120.1	150/150	124/124	587/587	131.9/131.9	175/175	138/138	607/607	124.9/124.9	150/150	130/130	592/592	136.7/136.7	175/175	143/143	612/612
			280/271A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	587/587	166.4/156.4	175/175	153/172	607/607	157.6/147.7	175/175	145/164	592/592	172.4/162.4	175/175	159/177	612/612
			281/272A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	587/587	192.5/216.5	200/250	213/241	607/607	183.8/207.8	200/225	205/233	592/592	198.5/222.5	200/250	219/246	612/612
		HIGH	NONE	–	–	131.5	175	137	666	143.3	175	151	686	136.3	175	143	671	148.1	175	157	691
			279/270A00	18.8/25.0	52.1/60.1	131.5/131.5	175/175	137/137	666/666	143.3/143.3	175/175	151/151	686/686	136.3/136.3	175/175	143/143	671/671	148.1/148.1	175/175	157/157	691/691
			280/271A00	37.6/50.0	104.2/120.3	165.9/155.9	175/175	153/171	666/666	180.6/170.7	200/175	166/185	686/686	171.9/161.9	175/175	158/177	671/671	186.6/176.7	200/200	172/190	691/691
			281/272A00	56.3/75.0	156.4/180.4	192.0/216.0	200/250	213/240	666/666	206.8/230.8	225/250	226/254	686/686	198.0/222.0	225/250	218/246	671/671	212.8/236.8	225/250	232/259	691/691
	460–3–60	STD	NONE	–	–	51.1	60	53	321	57.3	70	60	333	53.3	60	56	323	59.5	70	63	335
			282/273A00	25.0	30.1	51.1	60	53	321	57.3	70	60	333	53.3	60	56	323	59.5	70	63	335
			283/274A00	50.0	60.1	68.1	80	76	321	75.9	80	84	333	70.9	80	79	323	78.6	80	86	335
			284/275A00	75.0	90.2	98.2	100	111	321	106.0	125	118	333	101.0	110	114	323	108.7	125	121	335
		MED	NONE	–	–	53.3	60	56	319	59.5	70	63	331	55.5	70	58	321	61.7	80	66	333
			282/273A00	25.0	30.1	53.3	60	56	319	59.5	70	63	331	55.5	70	58	321	61.7	80	66	333
			283/274A00	50.0	60.1	70.9	80	79	319	78.6	80	86	331	73.6	80	82	321	81.4	90	89	333
			284/275A00	75.0	90.2	101.0	110	114	319	108.7	125	121	331	103.7	125	116	321	111.5	125	123	333
		HIGH	NONE	–	–	59.0	70	62	359	65.2	80	70	371	61.2	70	65	361	67.4	80	72	373
			282/273A00	25.0	30.1	59.0	70	62	359	65.2	80	70	371	61.2	70	65	361	67.4	80	72	373
			283/274A00	50.0	60.1	78.0	90	86	359	85.7	90	93	371	80.7	90	88	361	88.5	100	95	373
			284/275A00	75.0	90.2	108.1	125	120	359	115.8	125	127	371	110.8	125	123	361	118.6	125	130	373
	575–3–60	STD	NONE	–	–	41.1	50	43	256	45.9	60	49	264	42.8	50	45	258	47.6	60	50	266
			285/276A00	24.8	23.9	41.1	50	43	256	45.9	60	49	264	42.8	50	45	258	47.6	60	50	266
			286/277A00	49.6	47.7	67.4	70	62	256	73.4	80	68	264	69.5	70	64	258	75.5	80	69	266
			287/278A00	74.4	71.6	79.4	90	89	256	85.4	90	95	264	81.5	90	91	258	87.5	90	97	266
		MED	NONE	–	–	42.5	50	45	254	47.3	60	50	262	44.2	50	47	256	49.0	60	52	264
			285/276A00	24.8	23.9	42.5	50	45	254	47.3	60	50	262	44.2	50	47	256	49.0	60	52	264
			286/277A00	49.6	47.7	69.1	70	64	254	75.1	80	69	262	71.3	80	66	256	77.3	80	71	264
			287/278A00	74.4	71.6	81.1	90	91	254	87.1	90	97	262	83.2	90	93	256	89.2	90	99	264
		HIGH	NONE	–	–	44.4	50	47	281	49.2	60	52	289	46.1	60	49	283	50.9	60	54	291
			285/276A00	24.8	23.9	44.4	50	47	281	49.2	60	52	289	46.1	60	49	283	50.9	60	54	291
			286/277A00	49.6	47.7	71.5	80	66	281	77.5	80	71	289	73.6	80	68	283	79.6	80	73	291
			287/278A00	74.4	71.6	83.5	90	93	281	89.5	100	99	289	85.6	90	95	283	91.6	100	101	291

See: “Legend and Notes for Tables 1 – 4” on page 8.

Legend and Notes for Tables 1 – 4

LEGEND:

BRKR	–	Circuit breaker
C.O.	–	Convenience outlet
DISC	–	Disconnect
FLA	–	Full load amps
IFM	–	Indoor fan motor
LRA	–	Locked rotor amps
MCA	–	Minimum circuit amps
P.E.	–	Power exhaust
pwrd fr/ unit	–	Powered from unit
PWRD C.O.	–	Powered convenience outlet
UNPWR C.O.	–	Unpowered convenience outlet

NOTES:

1. In compliance with NEC requirements for multimotor and combination load equipment (refer to NEC Articles 430 and 440), the overcurrent protective device for the unit shall be fuse or HACR breaker. Canadian units may be fuse or circuit breaker.
2. For 208/230 v units, where one value is shown it is the same for either 208 or 230 volts.
3. **Unbalanced 3-Phase Supply Voltage**
   Never operate a motor where a phase imbalance in supply voltage is greater than 2%. Use the following formula to determine the percentage of voltage imbalance.

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

Example: Supply voltage is 230-3-60

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

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

$$= 227$$

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.