

FOR MODELS PRODUCED ON OR AFTER JUNE 1, 2015 ONLY!

NOTE: Read the entire instruction manual before starting the installation

This supplement only applies to RHS181–243 units manufactured on or after June 1, 2015. To confirm the date of manufacture of a RHS 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 1523 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	3	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 RHS 181–243 units manufactured on or after June 1, 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 1523 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 – RHS181 – 243 Vertical Air Flow 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
RHS0181	208/230-3-60	STD	NONE	-	-	68.3	90	71	393	80.1	100	85	413
			279A00	18.8/25.0	52.1/60.1	133.4/143.4	150/150	131/140	445/453	145.2/155.2	150/175	145/154	465/473
			280A00	37.6/50.0	104.2/120.3	198.5/188.6	200/200	191/210	497/513	210.3/200.4	225/225	205/223	517/533
		281A00	56.3/75.0	156.4/180.4	224.7/248.7	250/300	251/279	549/573	236.5/260.5	250/300	265/292	569/593	
		MED	NONE	-	-	71.4	90	75	423	83.2	100	88	443
			279A00	18.8/25.0	52.1/60.1	136.5/146.5	150/150	135/144	475/483	148.3/158.3	150/175	148/158	495/503
			280A00	37.6/50.0	104.2/120.3	201.6/191.7	225/200	195/213	527/543	213.4/203.5	225/225	208/227	547/563
		281A00	56.3/75.0	156.4/180.4	227.8/251.8	250/300	255/282	579/603	239.6/263.6	250/300	268/296	599/623	
		HIGH	NONE	-	-	74.4/73.5	90/90	78/77	425	86.2/85.3	100/100	92/91	445
	279A00		18.8/25.0	52.1/60.1	139.5/148.6	150/150	138/146	477/485	151.3/160.4	175/175	152/160	497/505	
	280A00		37.6/50.0	104.2/120.3	204.6/193.8	225/225	198/216	529/545	216.4/205.6	225/225	212/229	549/565	
	281A00	56.3/75.0	156.4/180.4	230.8/253.9	250/300	258/285	581/605	242.6/265.7	250/300	272/298	601/625		
	460-3-60	STD	NONE	-	-	33.6	45	35	234	39.8	50	42	246
			282A00	25.0	30.1	71.2	80	70	264	77.4	80	77	276
			283A00	50.0	60.1	93.7	100	104	294	99.9	110	111	306
		284A00	75.0	90.2	123.8	150	139	324	130.0	150	146	336	
		MED	NONE	-	-	35.5	45	37	249	41.7	50	44	261
			282A00	25.0	30.1	73.1	80	72	279	79.3	80	79	291
			283A00	50.0	60.1	95.6	100	106	309	101.8	110	114	321
		284A00	75.0	90.2	125.7	150	141	339	131.9	150	148	351	
		HIGH	NONE	-	-	36.6	45	39	250	42.8	50	46	262
	282A00		25.0	30.1	74.2	80	73	280	80.4	90	80	292	
	283A00		50.0	60.1	96.7	100	108	310	102.9	110	115	322	
	284A00	75.0	90.2	126.8	150	142	340	133.0	150	149	352		
575-3-60	STD	NONE	-	-	24.9	30	26	184	29.7	35	32	192	
		285A00	24.8	23.9	54.7	60	53	208	59.5	60	59	216	
		286A00	49.6	47.7	84.5	90	81	232	89.3	90	86	240	
	287A00	74.4	71.6	96.5	100	108	256	101.3	110	114	264		
	MED	NONE	-	-	24.9	30	26	184	29.7	35	32	192	
		285A00	24.8	23.9	54.7	60	53	208	59.5	60	59	216	
		286A00	49.6	47.7	84.5	90	81	232	89.3	90	86	240	
	287A00	74.4	71.6	96.5	100	108	256	101.3	110	114	264		
	HIGH	NONE	-	-	27.7	30	29	198	32.5	40	35	206	
285A00		24.8	23.9	57.5	60	57	222	62.3	70	62	230		
286A00		49.6	47.7	87.3	90	84	246	92.1	100	90	254		
287A00	74.4	71.6	99.3	110	112	270	104.1	110	117	278			

See: Legend and Notes for Tables 1 – 3 on page 8.

Table 1 – RHS181 – 243 Vertical Air Flow 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
RHS240	208/230--3--60	STD	NONE	-	-	91.3/90.4	100/100	95/94	564	103.1/102.2	125/125	109/108	584
			279A00	18.8/25.0	52.1/60.1	156.5/165.6	175/175	155/164	616/624	168.3/177.4	175/200	169/177	636/644
			280A00	37.6/50.0	104.2/120.3	221.6/210.7	225/225	215/233	668/684	233.4/222.5	250/250	229/246	688/704
			281A00	56.3/75.0	156.4/180.4	247.7/270.8	300/300	275/302	720/744	259.5/282.6	300/300	289/315	740/764
		MED-High Efficiency	NONE	-	-	94.8	125	99	560	106.6	125	113	580
			279A00	18.8/25.0	52.1/60.1	160.0/170.0	175/175	159/169	612/620	171.8/181.8	175/200	173/182	632/640
			280A00	37.6/50.0	104.2/120.3	225.1/215.1	250/225	219/238	664/680	236.9/226.9	250/250	233/251	684/700
		HIGH-High Efficiency	NONE	-	-	106.2	125	113	639	118.0	150	126	659
			279A00	18.8/25.0	52.1/60.1	171.4/181.4	175/200	173/182	691/699	183.2/193.2	200/200	186/195	711/719
	280A00		37.6/50.0	104.2/120.3	236.5/226.5	250/250	232/251	743/759	248.3/238.3	250/250	246/265	763/779	
	460--3--60	STD	NONE	-	-	49.1	60	51	291	55.3	60	58	303
			282A00	25.0	30.1	86.7	90	86	321	92.9	100	93	333
283A00			50.0	60.1	109.2	125	120	351	115.4	125	128	363	
284A00			75.0	90.2	139.3	150	155	381	145.5	150	162	393	
MED-High Efficiency		NONE	-	-	51.3	60	54	289	57.5	70	61	301	
		282A00	25.0	30.1	88.9	90	88	319	95.1	100	96	331	
		283A00	50.0	60.1	111.4	125	123	349	117.6	125	130	361	
HIGH-High Efficiency		NONE	-	-	57.0	70	60	329	63.2	80	68	341	
		282A00	25.0	30.1	94.6	100	95	359	100.8	110	102	371	
	283A00	50.0	60.1	117.1	125	129	389	123.3	150	137	401		
575--3--60	STD	NONE	-	-	36.2	45	38	204	41.0	50	43	212	
		285A00	24.8	23.9	66.1	70	65	228	70.9	80	71	236	
		286A00	49.6	47.7	95.8	100	93	252	100.6	110	98	260	
		287A00	74.4	71.6	107.8	125	120	276	112.6	125	126	284	
	MED-High Efficiency	NONE	-	-	38.2	50	40	202	43.0	50	46	210	
		285A00	24.8	23.9	68.1	70	68	226	72.9	80	73	234	
		286A00	49.6	47.7	97.8	100	95	250	102.6	110	101	258	
	HIGH-High Efficiency	NONE	-	-	40.1	50	42	229	44.9	50	48	237	
		285A00	24.8	23.9	70.0	70	70	253	74.8	80	75	261	
		286A00	49.6	47.7	99.7	100	97	277	104.5	110	103	285	
	287A00	74.4	71.6	111.7	125	125	301	116.5	125	130	309		

See: Legend and Notes for Tables 1 – 3 on page 8.

Table 2 – RHS183 – 243 Horizontal Air Flow 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.							
			CRHEAT ER ***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
RHS183	208/230--3--60	STD	NONE	-	-	71.4	90	75	423	83.2	100	88	443
			270A00	18.8/25.0	52.1/60.1	136.5/146.5	150/150	135/144	475/483	148.3/158.3	150/175	148/158	495/503
			271A00	37.6/50.0	104.2/120.3	201.6/191.7	225/200	195/213	527/543	213.4/203.5	225/225	208/227	547/563
		272A00	56.3/75.0	156.4/180.4	227.8/251.8	250/300	255/282	579/603	239.6/263.6	250/300	268/296	599/623	
		MED	NONE	-	-	71.4	90	75	423	83.2	100	88	443
			270A00	18.8/25.0	52.1/60.1	136.5/146.5	150/150	135/144	475/483	148.3/158.3	150/175	148/158	495/503
			271A00	37.6/50.0	104.2/120.3	201.6/191.7	225/200	195/213	527/543	213.4/203.5	225/225	208/227	547/563
		272A00	56.3/75.0	156.4/180.4	227.8/251.8	250/300	255/282	579/603	239.6/263.6	250/300	268/296	599/623	
		HIGH	NONE	-	-	74.4/73.5	90/90	78/77	425	86.2/85.3	100/100	92/91	445
	270A00		18.8/25.0	52.1/60.1	139.5/148.6	150/150	138/146	477/485	151.3/160.4	175/175	152/160	497/505	
	271A00		37.6/50.0	104.2/120.3	204.6/193.8	225/225	198/216	529/545	216.4/205.6	225/225	212/229	549/565	
	272A00	56.3/75.0	156.4/180.4	230.8/253.9	250/300	258/285	581/605	242.6/265.7	250/300	272/298	601/625		
	460--3--60	STD	NONE	-	-	35.5	45	37	249	41.7	50	44	261
			273A00	25.0	30.1	73.1	80	72	279	79.3	80	79	291
			274A00	50.0	60.1	95.6	100	106	309	101.8	110	114	321
		275A00	75.0	90.2	125.7	150	141	339	131.9	150	148	351	
		MED	NONE	-	-	35.5	45	37	249	41.7	50	44	261
			273A00	25.0	30.1	73.1	80	72	279	79.3	80	79	291
			274A00	50.0	60.1	95.6	100	106	309	101.8	110	114	321
		275A00	75.0	90.2	125.7	150	141	339	131.9	150	148	351	
		HIGH	NONE	-	-	36.6	45	39	250	42.8	50	46	262
	273A00		25.0	30.1	74.2	80	73	280	80.4	90	80	292	
	274A00		50.0	60.1	96.7	100	108	310	102.9	110	115	322	
	275A00	75.0	90.2	126.8	150	142	340	133.0	150	149	352		
575--3--60	STD	NONE	-	-	24.9	30	26	184	29.7	35	32	192	
		276A00	24.8	23.9	54.7	60	53	208	59.5	60	59	216	
		277A00	49.6	47.7	84.5	90	81	232	89.3	90	86	240	
	278A00	74.4	71.6	96.5	100	108	256	101.3	110	114	264		
	MED	NONE	-	-	24.9	30	26	184	29.7	35	32	192	
		276A00	24.8	23.9	54.7	60	53	208	59.5	60	59	216	
		277A00	49.6	47.7	84.5	90	81	232	89.3	90	86	240	
	278A00	74.4	71.6	96.5	100	108	256	101.3	110	114	264		
	HIGH	NONE	-	-	27.7	30	29	198	32.5	40	35	206	
276A00		24.8	23.9	57.5	60	57	222	62.3	70	62	230		
277A00		49.6	47.7	87.3	90	84	246	92.1	100	90	254		
278A00	74.4	71.6	99.3	110	112	270	104.1	110	117	278			

See: Legend and Notes for Tables 1 – 3 on page 8.

Table 2 – RHS183 – 243 Horizontal Air Flow 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
RHS243	208/230--3--60	MED-High Efficiency	NONE	-	-	94.8	125	99	560	106.6	125	113	580
			270A00	18.8/25.0	52.1/60.1	160.0/170.0	175/175	159/169	612/620	171.8/181.8	175/200	173/182	632/640
			271A00	37.6/50.0	104.2/120.3	225.1/215.1	250/225	219/238	664/680	236.9/226.9	250/250	233/251	684/700
		272A00	56.3/75.0	156.4/180.4	251.2/275.2	300/300	279/307	716/740	263.0/287.0	300/300	293/321	736/760	
		HIGH-High Efficiency	NONE	-	-	106.2	125	113	639	118.0	150	126	659
			270A00	18.8/25.0	52.1/60.1	171.4/181.4	175/200	173/182	691/699	183.2/193.2	200/200	186/195	711/719
	271A00		37.6/50.0	104.2/120.3	236.5/226.5	250/250	232/251	743/759	248.3/238.3	250/250	246/265	763/779	
	272A00	56.3/75.0	156.4/180.4	262.6/286.6	300/300	292/320	795/819	274.4/298.4	300/350	306/334	815/839		
	460--3--60	MED-High Efficiency	NONE	-	-	51.3	60	54	289	57.5	70	61	301
			273A00	25.0	30.1	88.9	90	88	319	95.1	100	96	331
			274A00	50.0	60.1	111.4	125	123	349	117.6	125	130	361
			275A00	75.0	90.2	141.5	150	158	379	147.7	175	165	391
		HIGH-High Efficiency	NONE	-	-	57.0	70	60	329	63.2	80	68	341
			273A00	25.0	30.1	94.6	100	95	359	100.8	110	102	371
	274A00	50.0	60.1	117.1	125	129	389	123.3	150	137	401		
	275A00	75.0	90.2	147.2	175	164	419	153.4	175	171	431		
	575--3--60	MED-High Efficiency	NONE	-	-	38.2	50	40	202	43.0	50	46	210
			276A00	24.8	23.9	68.1	70	68	226	72.9	80	73	234
277A00			49.6	47.7	97.8	100	95	250	102.6	110	101	258	
278A00			74.4	71.6	109.8	125	123	274	114.6	125	128	282	
HIGH-High Efficiency		NONE	-	-	40.1	50	42	229	44.9	50	48	237	
		276A00	24.8	23.9	70.0	70	70	253	74.8	80	75	261	
277A00	49.6	47.7	99.7	100	97	277	104.5	110	103	285			
278A00	74.4	71.6	111.7	125	125	301	116.5	125	130	309			

NOTE: STD IFM not available on the horizontal RHS243. It is available on the vertical RHS240.

See: Legend and Notes for Tables 1 – 3 on page 8.

Table 3 – RHS181 – 243 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 VERT/ HORIZ	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
RHS181 & 183	208/230–3–60	STD	NONE	–	–	69.4/68.6	90/90	73/72	390	81.2/80.4	100/100	86/85	410
			279/270A00	18.8/25.0	52.1/60.1	134.5/143.7	150/150	132/141	442/450	146.3/155.5	150/175	146/154	462/470
			280/271A00	37.6/50.0	104.2/120.3	199.6/188.9	200/200	192/210	494/510	211.4/200.7	225/225	206/224	514/530
		MED	281/272A00	56.3/75.0	156.4/180.4	225.8/249.0	250/300	252/279	546/570	237.6/260.8	250/300	266/293	566/590
			NONE	–	–	71.6/70.6	90/90	75/74	414	83.4/82.4	100/100	89/88	434
			279/270A00	18.8/25.0	52.1/60.1	136.7/145.7	150/150	135/143	466/474	148.5/157.5	150/175	149/157	486/494
		HIGH	280/271A00	37.6/50.0	104.2/120.3	201.8/190.9	225/200	195/212	518/534	213.6/202.7	225/225	208/226	538/554
			281/272A00	56.3/75.0	156.4/180.4	228.0/251.0	250/300	255/281	570/594	239.8/262.8	250/300	269/295	590/614
			NONE	–	–	74.4/73.5	90/90	78/77	425	86.2/85.3	100/100	92/91	445
	460–3–60	STD	NONE	–	–	34.0	45	36	233	40.2	50	43	245
			282/273A00	25.0	30.1	71.6	80	70	263	77.8	80	77	275
			283/274A00	50.0	60.1	94.1	100	105	293	100.3	110	112	305
MED		284/275A00	75.0	90.2	124.2	150	139	323	130.4	150	146	335	
		NONE	–	–	35.1	45	37	245	41.3	50	44	257	
		282/273A00	25.0	30.1	72.7	80	71	275	78.9	80	79	287	
HIGH		283/274A00	50.0	60.1	95.2	100	106	305	101.4	110	113	317	
		284/275A00	75.0	90.2	125.3	150	141	335	131.5	150	148	347	
		NONE	–	–	36.6	45	39	250	42.8	50	46	262	
575–3–60	STD	282/273A00	25.0	30.1	74.2	80	73	280	80.4	90	80	292	
		283/274A00	50.0	60.1	96.7	100	108	310	102.9	110	115	322	
		284/275A00	75.0	90.2	126.8	150	142	340	133.0	150	149	352	
	MED	NONE	–	–	26.6	30	28	184	31.4	40	33	192	
		285/276A00	24.8	23.9	56.4	60	55	208	61.2	70	61	216	
		286/277A00	49.6	47.7	86.2	90	83	232	91.0	100	88	240	
	HIGH	287/278A00	74.4	71.6	98.2	110	110	256	103.0	110	116	264	
		NONE	–	–	26.6	30	28	184	31.4	40	33	192	
		285/276A00	24.8	23.9	56.4	60	55	208	61.2	70	61	216	
575–3–60	MED	286/277A00	49.6	47.7	86.2	90	83	232	91.0	100	88	240	
		287/278A00	74.4	71.6	98.2	110	110	256	103.0	110	116	264	
		NONE	–	–	28.3	35	30	198	33.1	40	35	206	
HIGH	285/276A00	24.8	23.9	58.1	60	57	222	62.9	70	63	230		
	286/277A00	49.6	47.7	87.9	90	85	246	92.7	100	90	254		
	287/278A00	74.4	71.6	99.9	110	112	270	104.7	110	118	278		

See: Legend and Notes for Tables 1 – 3 on page 8.

Table 3 – RHS181 – 243 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 VERT/ HORIZ	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
RHS240 & 243	208/230–3–60	STD	NONE	–	–	91.3/90.4	100/100	95/94	564	103.1/102.2	125/125	109/108	584
			279/___A00	18.8/25.0	52.1/60.1	156.5/165.6	175/175	155/164	616/624	168.3/177.4	175/200	169/177	636/644
			280/___A00	37.6/50.0	104.2/120.3	221.6/210.7	225/225	215/233	668/684	233.4/222.5	250/250	229/246	688/704
		281/___A00	56.3/75.0	156.4/180.4	247.7/270.8	300/300	275/302	720/744	259.5/282.6	300/300	289/315	740/764	
		MED	NONE	–	–	94.8	125	99	560	106.6	125	113	580
			279/270A00	18.8/25.0	52.1/60.1	160.0/170.0	175/175	159/169	612/620	171.8/181.8	175/200	173/182	632/640
			280/271A00	37.6/50.0	104.2/120.3	225.1/215.1	250/225	219/238	664/680	236.9/226.9	250/250	233/251	684/700
		281/272A00	56.3/75.0	156.4/180.4	251.2/275.2	300/300	279/307	716/740	263.0/287.0	300/300	293/321	736/760	
		HIGH	NONE	–	–	106.2	125	113	639	118.0	150	126	659
	279/270A00		18.8/25.0	52.1/60.1	171.4/181.4	175/200	173/182	691/699	183.2/193.2	200/200	186/195	711/719	
	280/271A00		37.6/50.0	104.2/120.3	236.5/226.5	250/250	232/251	743/759	248.3/238.3	250/250	246/265	763/779	
	281/272A00	56.3/75.0	156.4/180.4	262.6/286.6	300/300	292/320	795/819	274.4/298.4	300/350	306/334	815/839		
460–3–60	STD	NONE	–	–	49.1	60	51	291	55.3	60	58	303	
		282/___A00	25.0	30.1	86.7	90	86	321	92.9	100	93	333	
		283/___A00	50.0	60.1	109.2	125	120	351	115.4	125	128	363	
	284/___A00	75.0	90.2	139.3	150	155	381	145.5	150	162	393		
	MED	NONE	–	–	51.3	60	54	289	57.5	70	61	301	
		282/273A00	25.0	30.1	88.9	90	88	319	95.1	100	96	331	
		283/274A00	50.0	60.1	111.4	125	123	349	117.6	125	130	361	
	284/275A00	75.0	90.2	141.5	150	158	379	147.7	175	165	391		
	HIGH	NONE	–	–	57.0	70	60	329	63.2	80	68	341	
282/273A00		25.0	30.1	94.6	100	95	359	100.8	110	102	371		
283/274A00		50.0	60.1	117.1	125	129	389	123.3	150	137	401		
284/275A00	75.0	90.2	147.2	175	164	419	153.4	175	171	431			
575–3–60	STD	NONE	–	–	36.8	45	39	204	41.6	50	44	212	
		285/___A00	24.8	23.9	66.7	70	66	228	71.5	80	72	236	
		286/___A00	49.6	47.7	96.4	100	93	252	101.2	110	99	260	
	287/___A00	74.4	71.6	108.4	125	121	276	113.2	125	127	284		
	MED	NONE	–	–	38.2	50	40	202	43.0	50	46	210	
		285/276A00	24.8	23.9	68.1	70	68	226	72.9	80	73	234	
		286/277A00	49.6	47.7	97.8	100	95	250	102.6	110	101	258	
	287/278A00	74.4	71.6	109.8	125	123	274	114.6	125	128	282		
	HIGH	NONE	–	–	40.1	50	42	229	44.9	50	48	237	
285/276A00		24.8	23.9	70.0	70	70	253	74.8	80	75	261		
286/277A00		49.6	47.7	99.7	100	97	277	104.5	110	103	285		
287/278A00	74.4	71.6	111.7	125	125	301	116.5	125	130	309			

NOTE: STD IFM not available on the horizontal RHS243. It is available on the vertical RHS240.

See: Legend and Notes for Tables 1 – 3 on page 8.

Legend and Notes for Tables 1 – 3

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.