

**RAH210-303  
SINGLE PACKAGE ROOFTOP  
ELECTRIC COOLING  
WITH R-410A REFRIGERANT**

**Electrical Data Supplement**

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

This supplement only applies to RAH210-303 units when there is “B” in the 9<sup>th</sup> position of the Model Number, as shown in the Model Number Nomenclature diagram below. Check the Unit Nameplate (see Figs. 1 & 2). If there is not a “B” in the 9<sup>th</sup> position of the model number discard this document.


**MODEL NOMENCLATURE**

MODEL SERIES	R	A	H	2	1	0	H	0	A	B	0	A	G	A
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop														
A = Air Conditioning (Cooling Only) G = Gas/Electric	<b>Type</b>													
H = High Efficiency ASHRAE 90.1-2010	<b>Efficiency</b>													
210 = 210,000 = 17.5 Tons Dedicated Vertical SA/RA 213 = 210,000 = 17.5 Tons Dedicated Horizontal SA/RA 240 = 240,000 = 20 Tons Dedicated Vertical SA/RA 243 = 240,000 = 20 Tons Dedicated Horizontal SA/RA 300 = 300,000 = 25 Tons Dedicated Vertical SA/RA 303 = 300,000 = 25 Tons Dedicated Horizontal SA/RA	<b>Nominal Cooling Capacity</b>													
H = 208/230-3-60 L = 460-3-60 S = 575-3-60	<b>Voltage</b>													
0 = No Heat	<b>Heating Capacity</b>													
A = Standard Static Option B = High Static Option E = High Static Option with High Efficiency Motor	<b>Motor Option</b>													
A = None B = Economizer w/Bara-relief, OA Temp sensor E = Economizer w/Bara-relief + CO <sub>2</sub> sensor, OA Temp sensor H = Economizer w/Bara-relief, Enthalpy sensor L = Economizer w/Bara-relief + CO <sub>2</sub> sensor, Enthalpy sensor P = 2-Position damper w/Baro-relief	<b>Outdoor Air Options / Control</b>													
OA = No Options 4B = Non-fused Disconnect AT = Non-powered 115v Convenience Outlet. BR = Supply Air Smoke Detector 7C = Non-fused Disconnect + Non-powered 115v Convenience Outlet. 7K = Non-fused Disconnect + Non-powered 115v Convenience Outlet. + Supply Air Smoke Detector BA = Non-fused Disconnect + Supply Air Smoke Detector	<b>Factory Installed Options</b>													
G = Alum / Alum Cond & Alum / Cu Evap K = E-Coated Alum / Alum Cond Coil, Std Alum / Cu Evap Coil	<b>Condenser / Evaporator Coil Configuration</b>													
A = Standard	<b>Sales Digit</b>													

## 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.

Nameplate Location

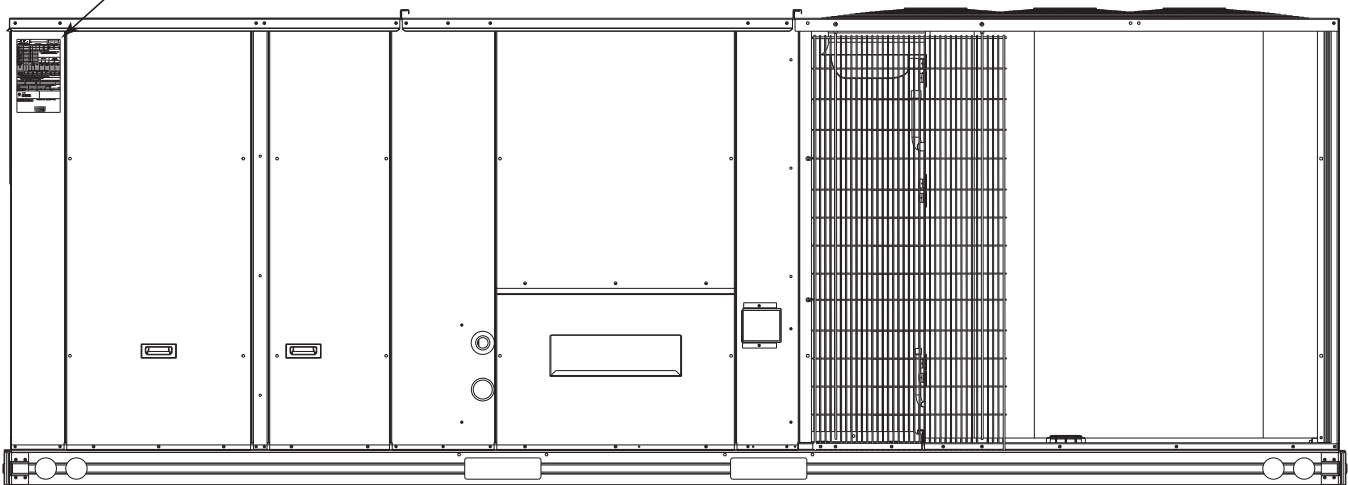


Fig. 1 – Location of Unit Nameplate

## 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 RAH210-303 which display a “B” in the 9<sup>th</sup> position of the 14 digit model number as displayed on the unit’s nameplate.

See Fig. 1 for location of the unit’s nameplate.

See Fig. 2 for details of the 14 digit model number.

## 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.



<b>INTERNATIONAL COMFORT PRODUCTS, LLC</b> Leesburg, TN 37081				MODEL <b>RAH210H0BA0AAA</b>				<b>ICP</b> TM			
SERIAL				FACTORY CHARGED				REF. SYSTEM R-410A			
COMPR. A	QTY	VOLTS AC	PH	HZ	RLA	LRA	LBS	kg	HI	PSI	kPa
COMPR. B							LBS	kg	LO	PSI	kPa
COMPR. C							LBS	kg			
FAN NTR	QTY	VOLTS AC	PH	HZ	FLA	CHARGE SYSTEM PER INSTALLATION INSTRUCTIONS SUITABLE FOR OUTDOOR INSTALLATION					
OUTDOOR											
INDOOR											
PWR EXHAUST											
ERV SUPPLY											
ERV EXHAUST											
ERV WHEEL											
CONV. OUTLET											
ELEC. HEAT											
POWER SUPPLY	VOLTS	PH	HZ	MIN. CKT AMPS	MAX FUSE OR HACR BREAKER PER REC			MIN UNIT DISCONNECT			
PERMISSIBLE VOLTAGE AT UNIT		MAX	MIN	MAX OVERCURRENT PROTECTION DEVICE			FLA	LRA			
DOWN SUPPLY	MIN. CLEARANCE TO COMBUSTIBLE MATERIALS .....INCHES.....mm.										
FOR FIRST .....INCHES.....mm. OF DUCT WHEN .....Kw. ELECTRIC HEATER IS INSTALLED.											
SIDE SUPPLY	MIN. CLEARANCE TO COMBUSTIBLE MATERIALS .....INCHES.....mm.										
FOR FIRST .....INCHES.....mm. OF DUCT WHEN .....Kw. ELECTRIC HEATER IS INSTALLED.											
<b>*FOR INSTALLATION ON COMBUSTIBLE FLOORING OR CLASS A, B, OR C ROOFING MATERIAL</b>											
ACCESSORY HEATER/PWR. EXHAUST MODEL NUMBER	CHK. HERE	VOLTS	PH	HZ	FLA	MIN. CKT. AMPS	FUSE OR HACR BREAKER	MAXIMUM OVERCURRENT PROTECTION DEVICE	SINGLE PT. BOX MODEL NUMBER	MINIMUM UNIT DISCONNECT	
										FLA	LRA
<b>INSTALLER NOTE:</b> 1. INSTALL ACCESS HEATER AND/OR POWER EXHAUST PER INSTALL INSTR ENCLOSED WITH HEATER AND POWER EXHAUST. MARK SPACE "CHECK HERE" FOR MODEL USED. USE MIN CKT AMPS AND MAX OVERCURRENT DEVICE AMPS LISTED FOR ACCESSORY HEATER AND POWER EXHAUST. 2. HEATERS ARE MANUFACTURED BY EMERSON HEATING PRODUCTS OR TUTCO.											
THIS EQUIPMENT COMPLIES WITH THE 2004 REQUIREMENTS OF ASHRAE 90.1						ENGINEERED IN USA, ASSEMBLED IN MEXICO					
 ETL LISTED CONFORMS TO UL-1995, CSA C22.2 236-05											
											
ACCESSORY HEATER/PWR. EXHAUST MODEL NUMBER	CHK. HERE	VOLTS	PH	HZ	HEATER FLA	MIN CKT AMPS	FUSE OR HACR BREAKER PER REC	MAXIMUM OVERCURRENT PROTECTION DEVICE	SINGLE PT. BOX MODEL NUMBER	MINIMUM UNIT DISCONNECT	
										FLA	LRA
<b>INSTALLER NOTE:</b> 1. INSTALL ACCESS HEATER AND/OR POWER EXHAUST PER INSTALL INSTR ENCLOSED WITH HEATER AND POWER EXHAUST. MARK SPACE "CHECK HERE" FOR MODEL USED. USE MIN CKT AMPS AND MAX OVERCURRENT DEVICE AMPS LISTED FOR ACCESSORY HEATER AND POWER EXHAUST. 2. HEATERS ARE MANUFACTURED BY EMERSON HEATING PRODUCTS OR TUTCO.											
ENGINEERED IN USA, ASSEMBLED IN MEXICO											

Fig. 2 – Example of Nameplate with Model Number

<b>MODEL SERIES</b>	<b>R</b>	<b>A</b>	<b>H</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>H</b>	<b>0</b>	<b>B</b>	<b>A</b>	<b>0</b>	<b>A</b>	<b>G</b>	<b>A</b>
<b>Position Number</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>

**Table 1 – Unit Wire/Fuse or HACR Breaker Sizing Data**

UNIT	NO M. V – Ph – HZ	IFM TYPE	ELEC. HTR			P.E.	NO C.O. or UNPWR C.O.								
			CRHEATER***A00	Nom (kW)	FLA		FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
								MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE	
										FLA	LRA			FLA	LRA
RAH210/213	208/230–3–60	STD	NONE	–	–	5.9	75.7	100.0	79	440	87.5	100.0	93	460	
			279A00	18.8/25.0	52.1/60.1		77.9/87.9	100/100	79/81	440/440	92.6/102.6	100/110	93/94	460/460	
			280A00	37.6/50.0	104.2/120.3		143.0/133.1	150/150	132/150	440/440	157.8/147.8	175/175	145/164	460/460	
			281A00	56.3/75.0	156.4/180.4		169.2/193.2	200/225	192/219	440/440	183.9/207.9	200/225	205/233	460/460	
		MED	NONE	–	–	5.9	80.5	100.0	85	449	92.3	100.0	98	469	
			279A00	18.8/25.0	52.1/60.1		83.9/93.9	100/100	85/86	449/449	98.6/108.6	100/110	98/100	469/469	
			280A00	37.6/50.0	104.2/120.3		149.0/139.1	150/175	137/156	449/449	163.8/153.8	175/175	151/169	469/469	
			281A00	56.3/75.0	156.4/180.4		175.2/199.2	200/225	197/225	449/449	189.9/213.9	200/250	211/238	469/469	
		HIGH	NONE	–	–	5.9	78.3	100.0	82	451	90.1	100.0	96	471	
			279A00	18.8/25.0	52.1/60.1		81.1/91.1	100/100	82/84	451/451	95.9/105.9	100/110	96/97	471/471	
			280A00	37.6/50.0	104.2/120.3		146.3/136.3	150/150	135/153	451/451	161.0/151.1	175/175	148/167	471/471	
			281A00	56.3/75.0	156.4/180.4		172.4/196.4	200/225	195/222	451/451	187.2/211.2	200/225	208/236	471/471	
RAH210/213	460–3–60	STD	NONE	–	–	3.1	36.6	45.0	38	245	42.8	50.0	46	257	
			282A00	25.0	30.1		43.6	45.0	40	245	51.4	60.0	47	257	
			283A00	50.0	60.1		66.1	80.0	75	245	73.9	80.0	82	257	
			284A00	75.0	90.2		96.2	100	109	245	104.0	110	116	257	
		MED	NONE	–	–	3.1	39.2	50.0	41	249	45.4	50.0	49	261	
			282A00	25.0	30.1		46.9	50.0	43	249	54.6	60.0	50	261	
			283A00	50.0	60.1		69.4	80.0	78	249	77.1	80.0	85	261	
			284A00	75.0	90.2		99.5	110	112	249	107.2	125	119	261	
		HIGH	NONE	–	–	3.1	38.2	50.0	40	250	44.4	50.0	47	262	
			282A00	25.0	30.1		45.6	50.0	42	250	53.4	60.0	49	262	
			283A00	50.0	60.1		68.1	80.0	76	250	75.9	80.0	84	262	
			284A00	75.0	90.2		98.2	100	111	250	106.0	125	118	262	
RAH210/213	575–3–60	STD	NONE	–	–	2.4	26.2	30.0	27	186	31.0	40.0	33	194	
			285A00	24.8	23.9		33.4	35.0	31	186	39.4	40.0	36	194	
			286A00	49.6	47.7		63.1	70.0	58	186	69.1	70.0	64	194	
			287A00	74.4	71.6		75.1	80	86	186	81.1	90	91	194	
		MED	NONE	–	–	2.4	29.0	35.0	31	200	33.8	40.0	36	208	
			285A00	24.8	23.9		36.9	40.0	34	200	42.9	45.0	39	208	
			286A00	49.6	47.7		66.6	70.0	61	200	72.6	80.0	67	208	
			287A00	74.4	71.6		78.6	90	89	200	84.6	90	94	208	
		HIGH	NONE	–	–	2.4	28.5	35.0	30	189	33.3	40.0	36	197	
			285A00	24.8	23.9		36.3	40.0	33	189	42.3	45.0	39	197	
			286A00	49.6	47.7		66.0	70.0	61	189	72.0	80.0	66	197	
			287A00	74.4	71.6		78.0	90	88	189	84.0	90	94	197	

**NOTE:** See page 7 for table legend and notes

**Table 2 – Unit Wire/Fuse or HACR Breaker Sizing Data**

UNIT	NO M. V – Ph – HZ	IFM TYPE	ELEC. HTR			P.E.	NO C.O. or UNPWR C.O.								
			CRHEATER***A00	Nom (kW)	FLA		FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
								MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE	
										FLA	LRA			FLA	LRA
RAH240/243	208/230–3–60	STD	NONE	–	–	5.9	88.7	100.0	93	544	100.5	125.0	107	564	
			279A00	18.8/25.0	52.1/60.1		88.7/93.9	100/100	93/93	544/544	100.5/108.6	125/125	107/107	564/564	
			280A00	37.6/50.0	104.2/120.3		149.0/139.1	150/175	137/156	544/544	163.8/153.8	175/175	151/169	564/564	
			281A00	56.3/75.0	156.4/180.4		175.2/199.2	200/225	197/225	544/544	189.9/213.9	200/250	211/238	564/564	
		MED	NONE	–	–	5.9	86.5	100.0	91	546	98.3	125.0	104	566	
			279A00	18.8/25.0	52.1/60.1		86.5/91.1	100/100	91/91	546/546	98.3/105.9	125/125	104/104	566/566	
			280A00	37.6/50.0	104.2/120.3		146.3/136.3	150/150	135/153	546/546	161.0/151.1	175/175	148/167	566/566	
			281A00	56.3/75.0	156.4/180.4		172.4/196.4	200/225	195/222	546/546	187.2/211.2	200/225	208/236	566/566	
		HIGH	NONE	–	–	5.9	93.1	110.0	98	582	104.9	125.0	112	602	
			279A00	18.8/25.0	52.1/60.1		93.1/99.4	110/110	98/98	582/582	104.9/114.1	125/125	112/112	602/602	
			280A00	37.6/50.0	104.2/120.3		154.5/144.6	175/175	142/161	582/582	169.3/159.3	175/175	156/174	602/602	
			281A00	56.3/75.0	156.4/180.4		180.7/204.7	200/225	202/230	582/582	195.4/219.4	200/250	216/243	602/602	
	460–3–60	STD	NONE	–	–	3.1	48.6	60.0	51	277	54.8	60.0	58	289	
			282A00	25.0	30.1		48.6	60.0	51	277	54.8	60.0	58	289	
			283A00	50.0	60.1		69.4	80.0	78	277	77.1	80.0	85	289	
			284A00	75.0	90.2		99.5	110	112	277	107.2	125	119	289	
		MED	NONE	–	–	3.1	47.6	60.0	50	278	53.8	60.0	57	290	
			282A00	25.0	30.1		47.6	60.0	50	278	53.8	60.0	57	290	
			283A00	50.0	60.1		68.1	80.0	76	278	75.9	80.0	84	290	
			284A00	75.0	90.2		98.2	100	111	278	106.0	125	118	290	
		HIGH	NONE	–	–	3.1	50.9	60.0	54	296	57.1	70.0	61	308	
			282A00	25.0	30.1		50.9	60.0	54	296	57.5	70.0	61	308	
			283A00	50.0	60.1		72.2	80.0	80	296	80.0	90.0	87	308	
			284A00	75.0	90.2		102.3	125	115	296	110.1	125	122	308	
575–3–60	STD	NONE	–	–	2.4	35.5	45.0	37	204	40.3	50.0	43	212		
		285A00	24.8	23.9		36.9	45.0	37	204	42.9	50.0	43	212		
		286A00	49.6	47.7		66.6	70.0	61	204	72.6	80.0	67	212		
		287A00	74.4	71.6		78.6	90	89	204	84.6	90	94	212		
	MED	NONE	–	–	2.4	35.0	45.0	37	193	39.8	50.0	42	201		
		285A00	24.8	23.9		36.3	45.0	37	193	42.3	50.0	42	201		
		286A00	49.6	47.7		66.0	70.0	61	193	72.0	80.0	66	201		
		287A00	74.4	71.6		78.0	90	88	193	84.0	90	94	201		
	HIGH	NONE	–	–	2.4	37.7	45.0	40	219	42.5	50.0	45	227		
		285A00	24.8	23.9		39.6	45.0	40	219	45.6	50.0	45	227		
		286A00	49.6	47.7		69.4	70.0	64	219	75.4	80.0	69	227		
		287A00	74.4	71.6		81.4	90	91	219	87.4	90	97	227		

**NOTE:** See page 7 for table legend and notes

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

UNIT	NO M. V – Ph – HZ	IFM TYPE	ELEC. HTR			P.E.	NO C.O. or UNPWR C.O.								
			CRHEATER***A00	Nom (kW)	FLA		FLA	NO P.E.				w/ P.E. (pwrd fr/unit)			
								MCA	FUSE or HACR BRKR	DISC. SIZE		MCA	FUSE or HACR BRKR	DISC. SIZE	
										FLA	LRA			FLA	LRA
RAH300/303	208/230–3–60	STD	NONE	–	–	5.9	117.4	150.0	121	584	129.2	175.0	135	604	
			279A00	18.8/25.0	52.1/60.1		117.4/117.4	150/150	121/121	584/584	129.2/129.2	175/175	135/135	604/604	
			280A00	37.6/50.0	104.2/120.3		149.0/139.1	150/175	137/156	584/584	163.8/153.8	175/175	151/169	604/604	
			281A00	56.3/75.0	156.4/180.4		175.2/199.2	200/225	197/225	584/584	189.9/213.9	200/250	211/238	604/604	
		MED	NONE	–	–	5.9	115.2	150.0	119	586	127.0	175.0	132	606	
			279A00	18.8/25.0	52.1/60.1		115.2/115.2	150/150	119/119	586/586	127.0/127.0	175/175	132/132	606/606	
			280A00	37.6/50.0	104.2/120.3		146.3/136.3	150/150	135/153	586/586	161.0/151.1	175/175	148/167	606/606	
			281A00	56.3/75.0	156.4/180.4		172.4/196.4	200/225	195/222	586/586	187.2/211.2	200/225	208/236	606/606	
		HIGH	NONE	–	–	5.9	121.8	150.0	126	622	133.6	175.0	140	642	
			279A00	18.8/25.0	52.1/60.1		121.8/121.8	150/150	126/126	622/622	133.6/133.6	175/175	140/140	642/642	
			280A00	37.6/50.0	104.2/120.3		154.5/144.6	175/175	142/161	622/622	169.3/159.3	175/175	156/174	642/642	
			281A00	56.3/75.0	156.4/180.4		180.7/204.7	200/225	202/230	622/622	195.4/219.4	200/250	216/243	642/642	
RAH300/303	460–3–60	STD	NONE	–	–	3.1	54.0	60.0	57	303	60.2	70.0	64	315	
			282A00	25.0	30.1		54.0	60.0	57	303	60.2	70.0	64	315	
			283A00	50.0	60.1		69.4	80.0	78	303	77.1	80.0	85	315	
			284A00	75.0	90.2		99.5	110	112	303	107.2	125	119	315	
		MED	NONE	–	–	3.1	53.0	60.0	56	304	59.2	70.0	63	316	
			282A00	25.0	30.1		53.0	60.0	56	304	59.2	70.0	63	316	
			283A00	50.0	60.1		68.1	80.0	76	304	75.9	80.0	84	316	
			284A00	75.0	90.2		98.2	100	111	304	106.0	125	118	316	
		HIGH	NONE	–	–	3.1	56.3	70.0	59	322	62.5	80.0	66	334	
			282A00	25.0	30.1		56.3	70.0	59	322	62.5	80.0	66	334	
			283A00	50.0	60.1		72.2	80.0	80	322	80.0	90.0	87	334	
			284A00	75.0	90.2		102.3	125	115	322	110.1	125	122	334	
RAH300/303	575–3–60	STD	NONE	–	–	2.4	40.4	50.0	42	228	45.2	50.0	48	236	
			285A00	24.8	23.9		40.4	50.0	42	228	45.2	50.0	48	236	
			286A00	49.6	47.7		66.6	70.0	61	228	72.6	80.0	67	236	
			287A00	74.4	71.6		78.6	90	89	228	84.6	90	94	236	
		MED	NONE	–	–	2.4	39.9	50.0	42	217	44.7	50.0	47	225	
			285A00	24.8	23.9		39.9	50.0	42	217	44.7	50.0	47	225	
			286A00	49.6	47.7		66.0	70.0	61	217	72.0	80.0	66	225	
			287A00	74.4	71.6		78.0	90	88	217	84.0	90	94	225	
		HIGH	NONE	–	–	2.4	42.6	50.0	45	243	47.4	60.0	50	251	
			285A00	24.8	23.9		42.6	50.0	45	243	47.4	60.0	50	251	
			286A00	49.6	47.7		69.4	70.0	64	243	75.4	80.0	69	251	
			287A00	74.4	71.6		81.4	90	91	243	87.4	90	97	251	

**NOTE:** See page 7 for table legend and notes

## Legend and Notes for Table 1

### 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
PE	–	Power exhaust
UNPWR CO	–	Unpowered convenient outlet



### NOTES:

- 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.

$$(AB) 227 - 224 = 3 \text{ v}$$

$$(BC) 231 - 227 = 4 \text{ v}$$

$$(AC) 227 - 226 = 1 \text{ v}$$

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.