



## 50 Hz AIR CONDITIONER

### ENVIRONMENTALLY SOUND R-410A REFRIGERANT

#### 1½ THRU 5 TONS SPLIT SYSTEM

230 Volt, 1-phase, 50 Hz

400 Volt, 3-phase, 50 Hz

#### REFRIGERATION CIRCUIT

- Copeland Scroll™ compressors on all models
- Copper tube / aluminum fin coil
- High and Low pressure switches

#### EASY TO INSTALL AND SERVICE

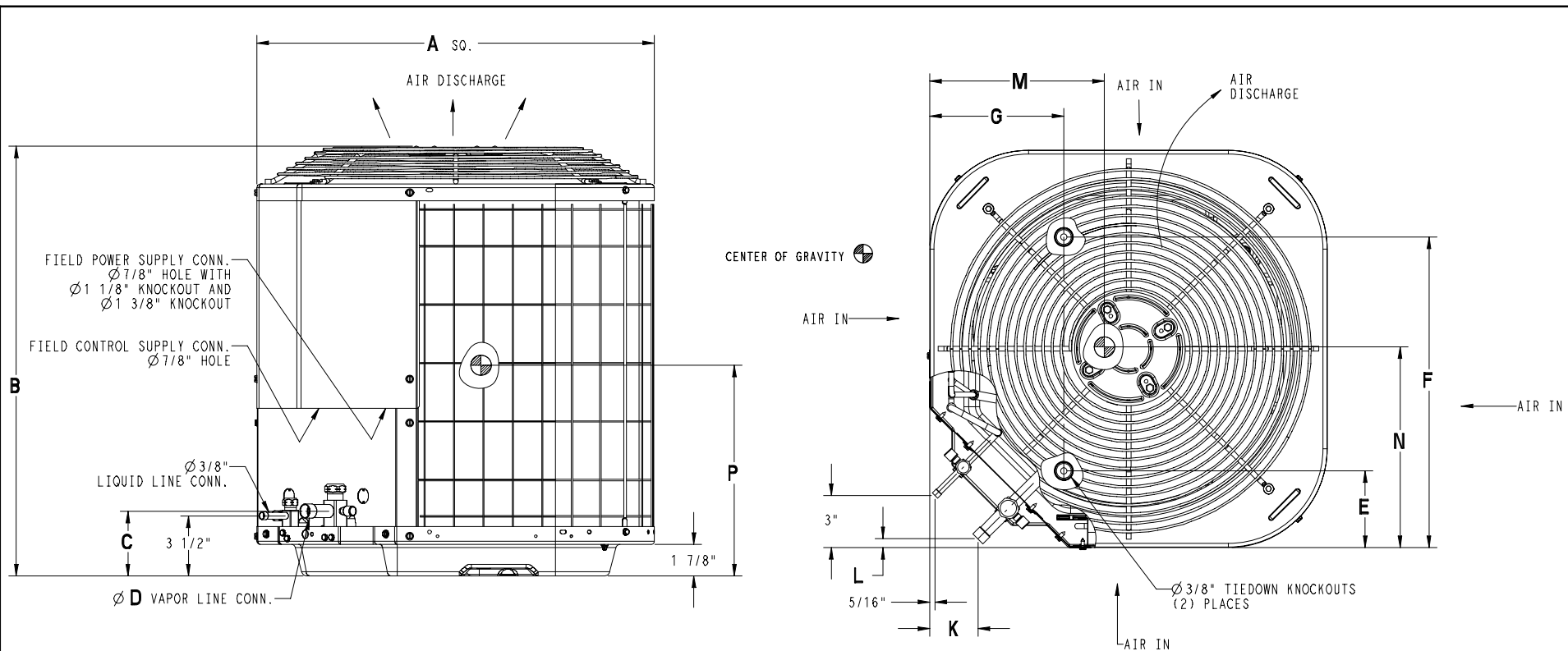
- Easy Access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

#### BUILT TO LAST

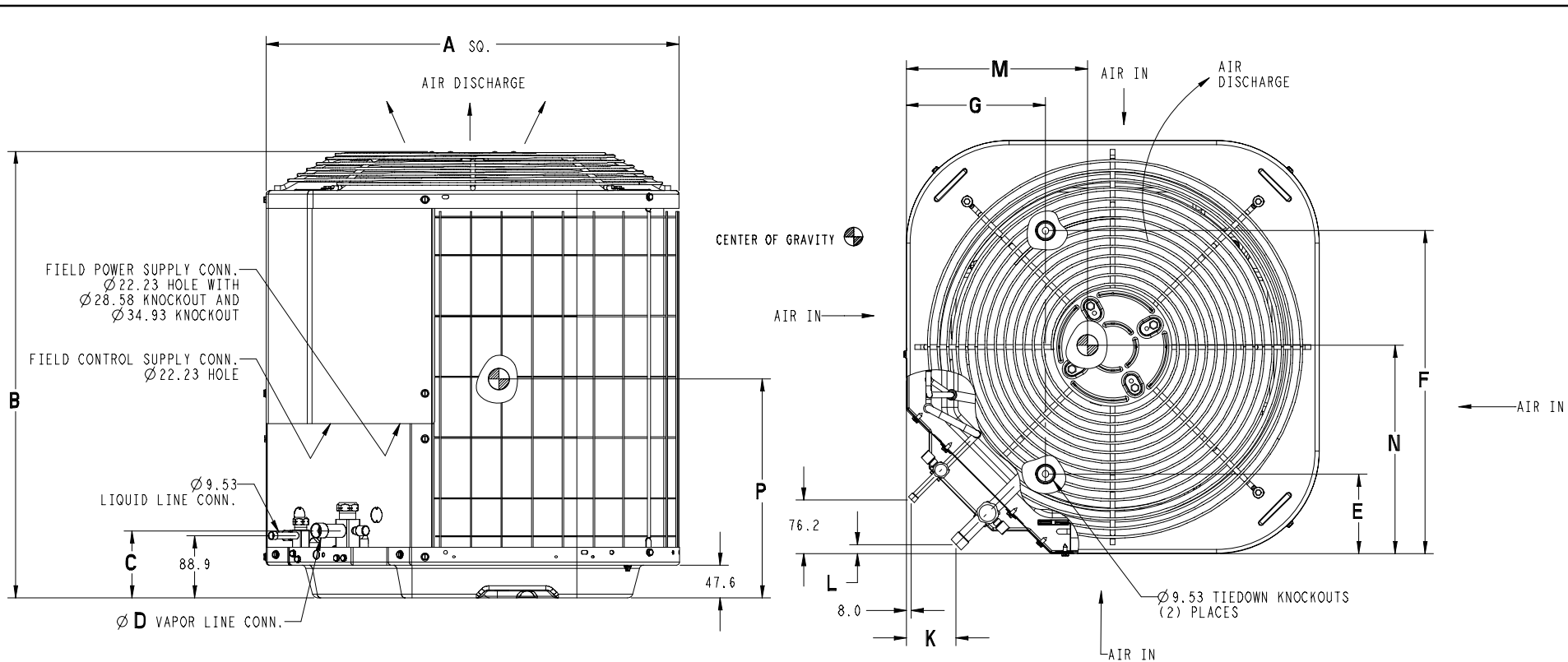
- Pre-painted cabinet finish over galvanized steel
- Coated inlet grille with 2" (51mm) spacing
- Corrosion protective coated aluminum fin, capable of 1000 hr salt spray exposure per ASTM B117 test



Model Number	Size (tons)	Nominal BTU/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs.(kg)
Single-Phase, 230V						
R4AE18PWA	1½	18,000	11.8	15	24 <sup>13</sup> / <sub>16</sub> x 23 <sup>1</sup> / <sub>8</sub> x 23 <sup>1</sup> / <sub>8</sub> (630 x 587 x 587)	124 / 108 (56 / 49)
R4AE24PWA	2	24,000	14.1	20	24 <sup>13</sup> / <sub>16</sub> x 23 <sup>1</sup> / <sub>8</sub> x 23 <sup>1</sup> / <sub>8</sub> (630 x 587 x 587)	127 / 111 (58 / 50)
R4AE30PWA	2½	30,000	18.4	25	28 <sup>7</sup> / <sub>16</sub> x 23 <sup>1</sup> / <sub>8</sub> x 23 <sup>1</sup> / <sub>8</sub> (722 x 587 x 587)	130 / 114 (59 / 52)
R4AE36PWA	3	36,000	21.5	30	35 <sup>3</sup> / <sub>16</sub> x 23 <sup>1</sup> / <sub>8</sub> x 23 <sup>1</sup> / <sub>8</sub> (894 x 587 x 587)	144 / 127 (65 / 58)
3-Phase, 400V						
R4AE36PZA	3	36,000	8.3	15	35 <sup>3</sup> / <sub>16</sub> x 23 <sup>1</sup> / <sub>8</sub> x 23 <sup>1</sup> / <sub>8</sub> (894 x 587 x 587)	144 / 127 (65 / 58)
R4AE42PZA	3½	42,000	8.6	15	31 <sup>13</sup> / <sub>16</sub> x 31 <sup>3</sup> / <sub>16</sub> x 31 <sup>3</sup> / <sub>16</sub> (808 x 792 x 792)	195 / 172 (88 / 78)
R4AE48PZA	4	48,000	10.6	15	38 <sup>5</sup> / <sub>8</sub> x 31 <sup>3</sup> / <sub>16</sub> x 31 <sup>3</sup> / <sub>16</sub> (981 x 792 x 792)	217 / 190 (98 / 86)
R4AE60PZA	5	60,000	12.9	20	28 <sup>7</sup> / <sub>16</sub> x 31 <sup>3</sup> / <sub>16</sub> x 31 <sup>3</sup> / <sub>16</sub> (722 x 792 x 792)	224 / 198 (102 / 90)



Model	All Dimensions Inches (English)												Minimum Mounting Pad Size	Crated Dimensions B(h) x A(w) x A(d)
	A	B	C	D	E	F	G	K	L	M	N	P		
R4AE18PWA	23 <sup>3</sup> / <sub>8</sub>	24 <sup>13</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	<sup>3</sup> / <sub>4</sub>	4 <sup>7</sup> / <sub>16</sub>	18 <sup>1</sup> / <sub>16</sub>	7 <sup>13</sup> / <sub>16</sub>	2 <sup>13</sup> / <sub>16</sub>	<sup>1</sup> / <sub>2</sub>	12	11 <sup>3</sup> / <sub>4</sub>	11 <sup>7</sup> / <sub>8</sub>	23 <sup>1</sup> / <sub>2</sub> x 23 <sup>1</sup> / <sub>2</sub>	27 <sup>3</sup> / <sub>16</sub> x 24 <sup>1</sup> / <sub>8</sub> x 24 <sup>1</sup> / <sub>8</sub>
R4AE24PWA	23 <sup>3</sup> / <sub>8</sub>	24 <sup>13</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	<sup>3</sup> / <sub>4</sub>	4 <sup>7</sup> / <sub>16</sub>	18 <sup>1</sup> / <sub>16</sub>	7 <sup>13</sup> / <sub>16</sub>	2 <sup>13</sup> / <sub>16</sub>	<sup>1</sup> / <sub>2</sub>	12	11 <sup>3</sup> / <sub>4</sub>	11 <sup>7</sup> / <sub>8</sub>	23 <sup>1</sup> / <sub>2</sub> x 23 <sup>1</sup> / <sub>2</sub>	27 <sup>3</sup> / <sub>16</sub> x 24 <sup>1</sup> / <sub>8</sub> x 24 <sup>1</sup> / <sub>8</sub>
R4AE30PWA	23 <sup>3</sup> / <sub>8</sub>	28 <sup>7</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	<sup>3</sup> / <sub>4</sub>	4 <sup>7</sup> / <sub>16</sub>	18 <sup>1</sup> / <sub>16</sub>	7 <sup>13</sup> / <sub>16</sub>	2 <sup>13</sup> / <sub>16</sub>	<sup>1</sup> / <sub>2</sub>	12	11 <sup>3</sup> / <sub>4</sub>	12 <sup>1</sup> / <sub>2</sub>	23 <sup>1</sup> / <sub>2</sub> x 23 <sup>1</sup> / <sub>2</sub>	30 <sup>5</sup> / <sub>8</sub> x 24 <sup>1</sup> / <sub>8</sub> x 24 <sup>1</sup> / <sub>8</sub>
R4AE36PWA	23 <sup>3</sup> / <sub>8</sub>	35 <sup>3</sup> / <sub>16</sub>	3 <sup>7</sup> / <sub>8</sub>	<sup>7</sup> / <sub>8</sub>	4 <sup>7</sup> / <sub>16</sub>	18 <sup>1</sup> / <sub>16</sub>	7 <sup>13</sup> / <sub>16</sub>	2 <sup>13</sup> / <sub>16</sub>	<sup>1</sup> / <sub>2</sub>	12	11 <sup>3</sup> / <sub>4</sub>	13 <sup>3</sup> / <sub>4</sub>	23 <sup>1</sup> / <sub>2</sub> x 23 <sup>1</sup> / <sub>2</sub>	37 <sup>7</sup> / <sub>16</sub> x 24 <sup>1</sup> / <sub>8</sub> x 24 <sup>1</sup> / <sub>8</sub>
3-Phase														
R4AE36PZA	23 <sup>3</sup> / <sub>8</sub>	35 <sup>3</sup> / <sub>16</sub>	3 <sup>7</sup> / <sub>8</sub>	<sup>7</sup> / <sub>8</sub>	4 <sup>7</sup> / <sub>16</sub>	18 <sup>1</sup> / <sub>16</sub>	7 <sup>13</sup> / <sub>16</sub>	2 <sup>13</sup> / <sub>16</sub>	<sup>1</sup> / <sub>2</sub>	12	11 <sup>3</sup> / <sub>4</sub>	13 <sup>3</sup> / <sub>4</sub>	23 <sup>1</sup> / <sub>2</sub> x 23 <sup>1</sup> / <sub>2</sub>	37 <sup>7</sup> / <sub>16</sub> x 24 <sup>1</sup> / <sub>8</sub> x 24 <sup>1</sup> / <sub>8</sub>
R4AE42PZA	31 <sup>13</sup> / <sub>16</sub>	31 <sup>13</sup> / <sub>16</sub>	3 <sup>7</sup> / <sub>8</sub>	<sup>7</sup> / <sub>8</sub>	6 <sup>9</sup> / <sub>16</sub>	24 <sup>11</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>8</sub>	2 <sup>15</sup> / <sub>16</sub>	<sup>5</sup> / <sub>8</sub>	16	15 <sup>1</sup> / <sub>2</sub>	13 <sup>3</sup> / <sub>4</sub>	31 <sup>1</sup> / <sub>2</sub> x 31 <sup>1</sup> / <sub>2</sub>	34 x 32 <sup>3</sup> / <sub>16</sub> x 32 <sup>3</sup> / <sub>16</sub>
R4AE48PZA	31 <sup>13</sup> / <sub>16</sub>	38 <sup>5</sup> / <sub>8</sub>	3 <sup>7</sup> / <sub>8</sub>	<sup>7</sup> / <sub>8</sub>	6 <sup>9</sup> / <sub>16</sub>	24 <sup>11</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>8</sub>	2 <sup>15</sup> / <sub>16</sub>	<sup>5</sup> / <sub>8</sub>	16	15 <sup>1</sup> / <sub>2</sub>	15 <sup>1</sup> / <sub>2</sub>	31 <sup>1</sup> / <sub>2</sub> x 31 <sup>1</sup> / <sub>2</sub>	40 <sup>13</sup> / <sub>16</sub> x 32 <sup>3</sup> / <sub>16</sub> x 32 <sup>3</sup> / <sub>16</sub>
R4AE60PZA	31 <sup>13</sup> / <sub>16</sub>	28 <sup>7</sup> / <sub>16</sub>	3 <sup>7</sup> / <sub>8</sub>	<sup>7</sup> / <sub>8</sub>	6 <sup>9</sup> / <sub>16</sub>	24 <sup>11</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>8</sub>	2 <sup>15</sup> / <sub>16</sub>	<sup>5</sup> / <sub>8</sub>	16	15 <sup>1</sup> / <sub>2</sub>	12 <sup>3</sup> / <sub>4</sub>	31 <sup>1</sup> / <sub>2</sub> x 31 <sup>1</sup> / <sub>2</sub>	30 <sup>5</sup> / <sub>8</sub> x 32 <sup>3</sup> / <sub>16</sub> x 32 <sup>3</sup> / <sub>16</sub>



All Dimensions mm (SI Metric)

Model	All Dimensions mm (SI Metric)												Minimum Mounting Pad Size	Crated Dimensions B(h) x A(w) x A(d)
	A	B	C	D	E	F	G	K	L	M	N	P		
R4AE18PWA	587	630	95	19	113	459	198	71	13	305	298	302	597 x 597	691 x 613 x 613
R4AE24PWA	587	630	95	19	113	459	198	71	13	305	298	302	597 x 597	691 x 613 x 613
R4AE30PWA	587	722	95	19	113	459	198	71	13	305	298	318	597 x 597	778 x 613 x 613
R4AE36PWA	587	894	98	22	113	459	198	71	13	305	298	349	597 x 597	951 x 613 x 613
3-Phase														
R4AE36PZA	587	894	98	22	113	459	198	71	13	305	298	349	597 x 597	951 x 613 x 613
R4AE42PZA	792	808	98	22	167	627	232	75	16	406	394	349	800 x 800	864 x 818 x 818
R4AE48PZA	792	981	98	22	167	627	232	75	16	406	394	394	800 x 800	1037 x 818 x 818
R4AE60PZA	792	722	98	22	167	627	232	75	16	406	394	324	800 x 800	778 x 818 x 818

PHYSICAL DATA								
Model Size	Single-Phase				3-Phase			
	18PWA	24PWA	30PWA	36PWA	36PZA	42PZA	48PZA	60PZA
40 ft. HC Container Loading (Units per container)	171	171	171	114	114	84	56	84
PSC Fan Motor HP	1/10	1/10	1/4	1/4	1/4	1/4	1/4	1/4
Fan RPM (single speed)	940	940	940	940	940	940	940	940
Fan CFM (L/s)	2000 (944)	2000 (944)	2500 (1180)	2500 (1180)	2500 (1180)	3000 (1416)	3000 (1416)	3000 (1416)
Coil Face Area ft <sup>2</sup> (m <sup>2</sup> )	8.40 (.78)	8.40 (.78)	9.80 (.91)	12.60 (1.17)	12.60 (1.17)	17.30 (1.61)	21.63 (2.01)	15.14 (1.41)
Metering Device—Piston Identification	52	55	59	65	65	70	76	86
Liquid Line Connection Size in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Vapor Line Connection Size in. (mm)	3/4 (19)	3/4 (19)	3/4 (19)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)
Recommended Line Set Liquid Tube Diameter in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Recommended Line Set Vapor Tube Diameter in. (mm)	3/4 (19)*	3/4 (19)	3/4 (19)*	7/8 (22)*	7/8 (22)*	7/8 (22)*	1 1/8 (29)*	1 1/8 (29)*
* Recommended Vapor Tube Line size is for standard installations. These recommendations may not apply to "Long Line" installations. When the total equivalent line length exceeds 80 feet (24.4m) or there is more than 20 feet (6.1m) vertical separation between indoor and outdoor units, consult the Long Line Application Guideline document before purchasing/installing line sets.								
Min Wire Size (60°/75° Copper) AWG**	14	14	14	12	14	14	14	14
Max Wire Length (75°) ft. (m)‡	62 (18.9)	50 (15.2)	39 (11.9)	54 (16.5)	83 (25.3)	83 (25.3)	60 (20.7)	58 (17.7)
Factory Charge R-410A lbs. (kg)	3.15 (1.43)	3.15 (1.43)	3.63 (1.65)	5.57 (2.53)	5.57 (2.53)	7.26 (3.30)	8.10 (3.68)	8.92 (4.05)
Required Subcooling °F (°C)	15 (8.3)	15 (8.3)	15 (8.3)	15 (8.3)	15 (8.3)	15 (8.3)	15 (8.3)	15 (8.3)
Weight, shipping lbs. (kg)	124 (56)	127 (58)	130 (59)	144 (65)	144 (65)	195 (88)	217 (98)	224 (102)
Weight, operating lbs. (kg)	108 (49)	111 (50)	114 (52)	127 (58)	127 (58)	172 (78)	190 (86)	198 (90)

\*\* If wire is applied at ambient greater than 30°C, consult Table 310–16 of the NEC (ANSI/NFPA 70). The ampacity of nonmetallic–sheathed cable (NM), trade name ROMEX, shall be that of 60°C conductors, per the NEC (ANSI/NFPA 70) Article 336–26.

‡ Length shown is as measured 1 way along wire path between unit and service panel for voltage drop not to exceed 2%.

ELECTRICAL DATA								
Model Size	Single-Phase				3-Phase			
	230–1–50, voltage range 207V–253V				400–3–50, voltage range 376V–424V			
Model Size	18PWA	24PWA	30PWA	36PWA	36PZA	42PZA	48PZA	60PZA
Minimum Circuit Ampacity – <b>MCA</b> (amps)	11.8	14.1	18.4	21.5	8.3	8.6	10.6	12.9
Maximum OverCurrent Protective device – <b>MOCP</b> (amps)	15	20	25	30	15	15	15	20
Compressor <b>RLA</b> (Rated Load Amps) <b>LRA</b> (Locked Rotor Amps)	9.0 52.0	10.9 60.0	13.5 67.0	16.0 87.0	6.0 46.0	6.2 43.0	7.8 52.0	9.7 64.0
Fan Motor <b>FLA</b> (Full Load Amps)	.52	.52	1.5	1.5	.8	.8	.8	.8

**REFRIGERANT CHARGE ADJUSTMENTS**

Liquid Line Size	R-410A Charge oz/ft (g/m)
3/8	0.60 (17.7) (Factory charge for lineset = 9 oz (266.2))
5/16	0.40 (11.8)
1/4	0.27 (8.0)

Units are factory charged for 15 ft (4.6 m) of 3/8" liquid line. The factory charge for 3/8" lineset 9 oz (266.2 g). When using other length or diameter liquid lines, charge adjustments are required per the chart above.

**Charging Formula:**

[(Lineset oz/ft x total length) – (factory charge for lineset)] = charge adjustment

**Example 1:** System has 15 ft of line set using existing 1/4" liquid line. What charge adjustment is required?

Formula: (.27 oz/ft x 15ft) – (9 oz) = -4.95 oz.  
(8.0 g/m x 4.6 m) – (266.2 g) = -229.4 g

Net result is to remove 4.95 oz of refrigerant from the system

**Example 2:** System has 45 ft of existing 5/16" liquid line. What is the charge adjustment?

Formula: (.40 oz/ft. x 45ft) – (9 oz.) = 9 oz.  
(11.8 g/m x 13.7m) – 266.2 g) = -104.5 g

Net result is to add 9 oz of refrigerant to the system

**LONG LINE APPLICATIONS**

An application is considered Long Line, when the refrigerant level in the system requires the use of accessories to maintain acceptable refrigerant management for systems reliability. See Accessory Usage Guideline table for required accessories. Defining a system as long line depends on the liquid line diameter, actual length of the tubing, and vertical separation between the indoor and outdoor units.

For Air Conditioner systems, the chart below shows when an application is considered Long Line.

**AC WITH R-410A REFRIGERANT LONG LINE DESCRIPTION ft (m)  
Beyond these lengths, long line accessories are required**

Liquid Line Size	Units On Same Level	Outdoor Below Indoor	Outdoor Above Indoor
1/4	No accessories needed within allowed lengths	No accessories needed within allowed lengths	175 (53.3)
5/16	120 (36.6)	50 (15.2)	120 (36.6)
3/8	80 (24.4)	35 (10.7)	80 (24.4)

**Note:** See Long Line Guideline for details

**A-WEIGHTED SOUND POWER (dBA)**

Unit Size	Sound Level (dBA) With Sound Shield	Sound Level (dBA) Without Sound Shield	Typical Octave Band Spectrum (dBA without tone adjustment)						
			125	250	500	1000	2000	4000	8000
18	68	69	52.0	57.5	62.0	65.0	62.0	57.5	49.5
24	69	70	51.5	62.0	62.0	64.5	62.5	59.0	53.0
30	71	72	56.5	63.0	65.0	67.0	63.0	59.5	55.0
36	73	74	55.0	62.0	65.0	69.0	66.0	59.0	55.5
42	74	75	53.5	65.0	67.5	70.0	65.5	62.5	59.0
48	76	78	57.0	66.5	69.5	73.5	68.0	64.0	57.0
60	76	78	60.5	67.5	69.0	70.5	67.0	63.0	57.0

NOTE: Tested in accordance with ARI Standard 270-95 (not listed in ARI).

**R-410A COOLING CAPACITY LOSS FOR VARIOUS LINE LENGTHS & TUBE DIAMETERS**

Model Size	Liquid Line in. (mm)	Vapor Line in. (mm)	Cooling Capacity Loss (%)								
			Total Equivalent Line Length ft. (m)								
			26-50 (7.9-15.2)	51-80 (15.5-24.4)	81-100 (24.7-30.5)	101-125 (30.8-38.1)	126-150 (38.4-45.7)	151-175 (46.0-53.3)	176-200 (53.6-61.0)	201-225 (61.3-68.6)	226-250 (68.9-76.2)
18	3/8 (10)	1/2 (13)	1	2	3	5	6	7	8	9	11
		5/8 (16)	0	1	1	1	2	2	2	3	3
		3/4 (19)	0	0	0	0	1	1	1	1	1
24		5/8 (16)	0	1	2	2	3	3	4	5	5
		3/4 (19)	0	0	1	1	1	1	1	2	2
		7/8 (22)	0	0	0	0	0	1	1	1	1
30		5/8 (16)	1	2	3	3	4	5	6	7	8
		3/4 (19)	0	0	1	1	1	2	2	2	3
		7/8 (22)	0	0	0	0	1	1	1	1	1
36		5/8 (16)	1	2	4	5	6	8	9	10	12
		3/4 (19)	0	1	1	2	2	3	3	4	4
		7/8 (22)	0	0	0	1	1	1	1	2	2
42		3/4 (19)	0	1	2	2	3	4	4	5	6
		7/8 (22)	0	0	1	1	1	2	2	2	3
		1 1/8 (29)	0	0	0	0	0	0	0	0	0
48		3/4 (19)	0	1	2	3	4	5	5	6	7
		7/8 (22)	0	0	1	1	2	2	2	3	3
		1 1/8 (29)	0	0	0	0	0	0	0	1	1
60		3/4 (19)	1	2	4	5	6	7	9	10	11
		7/8 (22)	0	1	2	2	3	4	4	5	5
		1 1/8 (29)	0	0	0	1	1	1	1	1	1

\* Applications are considered "Long Line" if the total equivalent tubing length exceeds 80 feet (24.4m) or there is more than 20 foot (6.1m) vertical separation between indoor and outdoor units. These applications require additional accessories and system modifications for reliable system operation.

Applications in shaded area may have height restrictions that limit allowable total equivalent length when outdoor unit is below indoor unit.

**ACCESSORY USAGE GUIDELINES**

Accessory	REQUIRED FOR LOW-AMBIENT APPLICATIONS {Below 55°F (13°C)}	REQUIRED FOR LONG-LINE APPLICATIONS* {Over 80 Ft.(24.4m)}
Crankcase Heater	Yes	Yes
Evaporator Freeze Thermostat	Yes	No
Winter Start Control	Yes **	No
Hard Start Kit (Capacitor & Relay)	Yes	Yes
Low Ambient Kit (Pressure Switch)	Yes	No
Support Feet, 4" (102mm) tall	Recommended	No
Liquid Line Solenoid Valve	No	See Long-Line Application Guideline

\* For Line Set lengths between 80 and 200 ft (24.4 and 61m) horizontal, or more than 20 ft (6.1m) indoor-outdoor vertical separation, refer to the Long Line Application Guideline document.

\*\* Can only be installed in conjunction with Low Pressure Switch.

ACCESSORIES			
Part Number	Description	Used On Model Size	
		Single-Phase	3-Phase
NASA003CH	Crankcase Heater for Compressor	ALL	–
NASA00601CH	Crankcase Heater for Compressor	–	42, 48, 60
NASA004CH	Crankcase Heater for Compressor	–	36
NASA001SC	Start Component – PTC Device	ALL	–
NASA001FS	Evaporator Freeze Thermostat	ALL	ALL
NASA001LS	Liquid Line Solenoid Valve	ALL	ALL
NASA001TD	Time Delay Relay, Indoor Blower	ALL	ALL
NASA001WS	Winter Start Control	ALL	ALL
NASA001AC	Anti-Cycle Timer (5 minute delay)	ALL	ALL
NASA401LA	Low Ambient Kit (Pressure Switch)	ALL	ALL
NASA003SC	Hard Start Kit (Capacitor & Relay)	18, 24, 36	–
NASA005SC	Hard Start Kit (Capacitor & Relay)	30	–
NASA001SF	Support Feet, 4” (102mm) tall	ALL	ALL
NASA001SJ	Sound Jacket, Compressor	ALL	36, 42, 48
NASA003SJ	Sound Jacket, Compressor	–	60
EBAC05TXVX	TXV Kit, R-410A *	18, 24, 30	–
EBAC06TXVX	TXV Kit, R-410A *	36	36, 42
EBAC07TXVX	TXV Kit, R-410A *	–	48, 60

\* ONLY converts Fan Coils equipped with factory installed R-22 TXV.

**COOLING PERFORMANCE FOR COMBINATION RATINGS**

Outdoor Unit	Indoor Unit	Nominal Airflow		Cooling Ratings @ 35° C (95° F)							Cooling Ratings @ 46° C (115° F)					
		CFM	L/S	Capacity BTUH	Capacity kW	Power kW	EER	SEER*	COP (w/w)	kW/ton	Capacity BTUH	Capacity kW	Power kW	EER	COP (w/w)	kW/ton
R4AE18PWA	EBW2400A	600	282	18000	5.27	1.57	11.5	13.5	3.37	1.04	15300	4.48	2.04	7.5	2.20	1.60
	EBW1800A	600	282	17800	5.22	1.62	11.0	12.5	3.22	1.09	14400	4.22	2.00	7.2	2.11	1.67
R4AE24PWA	EBW3000A	800	378	23000	6.74	2.09	11.0	13.5	3.22	1.09	19100	5.60	2.55	7.5	2.20	1.60
	EBW2400A	800	378	22600	6.62	2.05	11.0	13.0	3.22	1.09	19000	5.57	2.53	7.5	2.20	1.60
R4AE30PWA	EBW3600A	1000	472	28800	8.44	2.74	10.5	13.3	3.08	1.14	24400	7.15	3.49	7.0	2.05	1.71
	EBW3000A	1000	472	28400	8.32	2.70	10.5	13.0	3.08	1.14	24000	7.03	3.43	7.0	2.05	1.71
R4AE36PWA	EBW4200A	1200	566	34000	9.96	3.15	10.8	13.0	3.16	1.11	29000	8.50	3.82	7.6	2.23	1.58
R4AE36PZA	EBW3600A	1200	566	33500	9.82	3.19	10.5	12.7	3.08	1.14	28500	8.35	3.90	7.3	2.14	1.64
R4AE42PZA	EBW4800A	1450	684	41000	12.01	3.57	11.5	13.5	3.37	1.04	35000	10.25	4.38	8.0	2.34	1.50
	EBW4200A	1400	661	40000	11.72	3.64	11.0	13.0	3.22	1.09	34400	10.08	4.41	7.8	2.29	1.54
R4AE48PZA	EBW6000A EBW6000E	1600	755	48000	14.06	4.36	11.0	13.5	3.22	1.09	42000	12.31	5.38	7.8	2.29	1.54
	EBW4800A EBW4800E	1600	755	47500	13.92	4.32	11.0	13.5	3.22	1.09	41400	12.13	5.31	7.8	2.29	1.54
R4AE60PZA	EBW7000A	1900	897	58500	17.14	5.57	10.5	12.5	3.08	1.14	50000	14.65	6.49	7.7	2.26	1.56
	EBW6000A EBW6000E	1900	897	57500	16.85	5.58	10.3	12.0	3.02	1.17	49000	14.36	6.36	7.7	2.26	1.56

\* Rated With Hard Shutoff TXV (see optional equipment section for recommended field installed kits)

## DETAILED COOLING

---

(Refer to pages 10 – 16)

- † Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.
- \* System amps are total of indoor and outdoor amps
- ‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree below 80 F, or add 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree above 80 F
- †† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db

COOLING (English)		18 Size Outdoor With EBW2400A Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature – Degrees F, Wet Bulb																								
CFM		57	62	67	72	57	62	67	72	57	62	67	72	57	62	67	72	57	62	67	72					
525	MBh†	16.89	17.86	19.68	21.31	16.12	16.86	18.74	20.58	15.28	15.79	17.60	19.56	14.37	14.63	16.35	18.31	13.37	13.40	15.00	16.88					
	S/T‡	1.00	0.89	0.69	0.51	1.00	0.91	0.70	0.52	1.00	0.94	0.71	0.52	1.00	0.97	0.73	0.53	1.00	1.00	0.76	0.54					
	AMPS*	4.90	4.93	5.02	5.14	5.64	5.70	5.79	5.93	6.44	6.50	6.69	6.84	7.39	7.42	7.64	7.89	8.48	8.48	8.72	9.04					
	HI PR	292	296	304	315	337	341	349	360	387	390	399	410	443	444	455	466	504	504	515	528					
	LO PR	122	127	138	148	126	130	142	153	130	133	145	157	135	136	148	161	140	140	151	164					
600	MBh†	17.70	18.32	20.07	21.62	16.89	17.32	19.16	20.94	16.00	16.21	18.00	19.95	15.03	15.06	16.70	18.69	13.98	14.00	15.30	17.21					
	S/T‡	1.00	0.93	0.71	0.52	1.00	0.96	0.73	0.53	1.00	0.98	0.75	0.54	1.00	1.00	0.77	0.55	1.00	1.00	0.80	0.56					
	AMPS*	5.00	5.03	5.12	5.26	5.78	5.80	5.90	6.05	6.61	6.63	6.80	6.96	7.56	7.57	7.79	8.02	8.66	8.67	8.87	9.19					
	HI PR	295	298	307	318	341	343	352	363	391	393	402	413	447	447	457	469	509	509	518	531					
	LO PR	127	131	141	150	131	134	145	156	135	136	148	160	140	140	151	164	145	145	154	167					
675	MBh†	18.35	18.70	20.35	21.83	17.53	17.70	19.47	21.18	16.60	16.62	18.30	20.23	15.59	15.61	16.96	18.96	14.49	14.51	15.53	17.47					
	S/T‡	1.00	0.97	0.74	0.54	1.00	0.99	0.76	0.54	1.00	1.00	0.78	0.55	1.00	1.00	0.80	0.57	1.00	1.00	0.84	0.58					
	AMPS*	5.10	5.12	5.22	5.36	5.89	5.90	6.00	6.16	6.77	6.77	6.91	7.07	7.73	7.73	7.92	8.13	8.84	8.84	9.01	9.34					
	HI PR	299	300	309	320	344	345	354	366	395	395	404	416	451	451	459	471	513	513	520	533					
	LO PR	131	133	143	152	135	136	147	158	140	140	150	163	144	144	153	166	149	149	156	170					
Multipliers																										
Model	Capacity	Power																								
EBW1800A	0.99	1.03																								

COOLING (SI)		18 Size Outdoor With EBW2400A Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees C, Dry Bulb																								
		24					29					35					41					46				
		Entering Indoor Temperature – Degrees C, Wet Bulb																								
L/S		14	17	19	22	14	17	19	22	14	17	19	22	14	17	19	22	14	17	19	22					
250	kW†	4.95	5.23	5.77	6.24	4.72	4.94	5.49	6.03	4.48	4.63	5.16	5.73	4.21	4.29	4.79	5.36	3.92	3.93	4.39	4.95					
	S/T‡	1.00	0.89	0.69	0.51	1.00	0.91	0.70	0.52	1.00	0.94	0.71	0.52	1.00	0.97	0.73	0.53	1.00	1.00	0.76	0.54					
	AMPS*	4.90	4.93	5.02	5.14	5.64	5.70	5.79	5.93	6.44	6.50	6.69	6.84	7.39	7.42	7.64	7.89	8.48	8.48	8.72	9.04					
	HI PR	2014	2040	2098	2171	2325	2349	2407	2483	2669	2688	2754	2828	3052	3063	3135	3214	3474	3476	3551	3640					
	LO PR	840	879	952	1020	866	899	977	1055	895	918	999	1084	927	940	1020	1110	964	966	1043	1134					
285	kW†	5.18	5.37	5.88	6.33	4.95	5.07	5.61	6.13	4.69	4.75	5.27	5.84	4.40	4.41	4.89	5.47	4.10	4.10	4.48	5.04					
	S/T‡	1.00	0.93	0.71	0.52	1.00	0.96	0.73	0.53	1.00	0.98	0.75	0.54	1.00	1.00	0.77	0.55	1.00	1.00	0.80	0.56					
	AMPS*	5.00	5.03	5.12	5.26	5.78	5.80	5.90	6.05	6.61	6.63	6.80	6.96	7.56	7.57	7.79	8.02	8.66	8.67	8.87	9.19					
	HI PR	2037	2055	2116	2192	2352	2365	2425	2505	2699	2707	2771	2848	3083	3085	3153	3233	3507	3509	3568	3658					
	LO PR	876	901	972	1037	903	921	998	1074	932	941	1020	1105	963	964	1041	1131	998	1000	1062	1154					
320	kW†	5.38	5.48	5.96	6.40	5.14	5.19	5.70	6.21	4.86	4.87	5.36	5.93	4.57	4.57	4.97	5.56	4.25	4.25	4.55	5.12					
	S/T‡	1.00	0.97	0.74	0.54	1.00	0.99	0.76	0.54	1.00	1.00	0.78	0.55	1.00	1.00	0.80	0.57	1.00	1.00	0.84	0.58					
	AMPS*	5.10	5.12	5.22	5.36	5.89	5.90	6.00	6.16	6.77	6.77	6.91	7.07	7.73	7.73	7.92	8.13	8.84	8.84	9.01	9.34					
	HI PR	2058	2069	2132	2208	2374	2379	2440	2522	2725	2726	2785	2865	3110	3111	3167	3248	3536	3537	3583	3672					
	LO PR	906	920	987	1050	934	941	1015	1089	963	964	1037	1121	993	995	1057	1147	1028	1029	1078	1170					
Multipliers																										
Model	Capacity	Power																								
EBW1800A	0.99	1.03																								

COOLING (English)		24 Size Outdoor With EBW3000A Indoor Cooling																			
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature – Degrees F, Wet Bulb																			
CFM		57	62	67	72	57	62	67	72	57	62	67	72	57	62	67	72	57	62	67	72
700	MBh†	22.42	23.30	25.75	28.11	21.17	21.77	24.22	26.74	19.87	20.19	22.52	25.11	18.48	18.52	20.70	23.26	16.99	17.02	18.74	21.19
	S/T‡	1.00	0.91	0.69	0.51	1.00	0.93	0.71	0.52	1.00	0.97	0.73	0.53	1.00	1.00	0.76	0.54	1.00	1.00	0.79	0.56
	AMPS*	7.22	7.24	7.31	7.42	7.94	7.99	8.07	8.18	8.72	8.75	8.95	9.06	9.63	9.63	9.87	10.09	10.67	10.67	10.89	11.23
	HI PR	285	288	296	306	330	332	340	351	379	381	390	400	434	434	444	456	494	494	503	516
	LO PR	127	131	142	153	131	134	145	157	135	137	148	161	139	140	151	164	145	145	154	167
800	MBh†	23.45	23.89	26.27	28.56	22.15	22.35	24.73	27.19	20.78	20.81	23.00	25.57	19.32	19.35	21.11	23.70	17.75	17.78	19.10	21.58
	S/T‡	1.00	0.95	0.72	0.52	1.00	0.98	0.74	0.53	1.00	1.00	0.77	0.55	1.00	1.00	0.80	0.56	1.00	1.00	0.84	0.58
	AMPS*	7.37	7.38	7.45	7.56	8.13	8.14	8.21	8.32	8.93	8.94	9.09	9.21	9.85	9.85	10.05	10.24	10.89	10.90	11.07	11.42
	HI PR	289	290	298	309	334	334	343	353	383	384	392	403	438	438	447	458	499	499	506	519
	LO PR	133	135	145	156	136	137	148	160	140	140	151	163	144	145	154	167	149	150	157	170
900	MBh†	24.28	24.41	26.63	28.87	22.96	23.00	25.11	27.52	21.54	21.57	23.35	25.90	20.01	20.04	21.43	24.02	18.39	18.42	19.37	21.90
	S/T‡	1.00	0.99	0.75	0.54	1.00	1.00	0.77	0.55	1.00	1.00	0.80	0.56	1.00	1.00	0.84	0.58	1.00	1.00	0.88	0.60
	AMPS*	7.51	7.52	7.59	7.71	8.28	8.28	8.35	8.47	9.14	9.14	9.23	9.35	10.06	10.06	10.22	10.38	11.11	11.12	11.24	11.57
	HI PR	291	292	300	311	337	337	345	356	387	387	394	405	442	442	449	460	503	503	508	521
	LO PR	137	137	147	158	141	141	151	162	145	145	153	166	149	149	156	169	153	154	159	172
Multipliers																					
Model	Capacity	Power																			
EBW2400A	0.98	0.98																			

COOLING (SI)		24 Size Outdoor With EBW3000A Indoor Cooling																			
		Outdoor Ambient Temperature – Degrees C, Dry Bulb																			
		24				29				35				41				46			
		Entering Indoor Temperature – Degrees C, Wet Bulb																			
L/S		14	17	19	22	14	17	19	22	14	17	19	22	14	17	19	22	14	17	19	22
330	kW†	6.57	6.83	7.55	8.24	6.20	6.38	7.10	7.83	5.82	5.91	6.60	7.36	5.41	5.43	6.06	6.82	4.98	4.99	5.49	6.21
	S/T‡	1.00	0.91	0.69	0.51	1.00	0.93	0.71	0.52	1.00	0.97	0.73	0.53	1.00	1.00	0.76	0.54	1.00	1.00	0.79	0.56
	AMPS*	7.22	7.24	7.31	7.42	7.94	7.99	8.07	8.18	8.72	8.75	8.95	9.06	9.63	9.63	9.87	10.09	10.67	10.67	10.89	11.23
	HI PR	1968	1985	2040	2109	2276	2290	2346	2418	2616	2625	2687	2761	2992	2994	3062	3141	3407	3409	3471	3561
	LO PR	878	905	981	1056	903	923	1002	1083	930	942	1021	1107	961	963	1041	1130	997	998	1063	1153
380	kW†	6.87	7.00	7.70	8.37	6.49	6.55	7.24	7.97	6.09	6.10	6.74	7.49	5.66	5.67	6.18	6.94	5.20	5.21	5.60	6.32
	S/T‡	1.00	0.95	0.72	0.52	1.00	0.98	0.74	0.53	1.00	1.00	0.77	0.55	1.00	1.00	0.80	0.56	1.00	1.00	0.84	0.58
	AMPS*	7.37	7.38	7.45	7.56	8.13	8.14	8.21	8.32	8.93	8.94	9.09	9.21	9.85	9.85	10.05	10.24	10.89	10.90	11.07	11.42
	HI PR	1990	1999	2056	2128	2301	2305	2362	2437	2644	2645	2703	2780	3022	3023	3079	3160	3439	3440	3488	3579
	LO PR	914	928	1001	1073	940	946	1022	1101	966	967	1041	1126	996	997	1060	1149	1030	1031	1080	1172
425	kW†	7.11	7.15	7.80	8.46	6.73	6.74	7.36	8.06	6.31	6.32	6.84	7.59	5.86	5.87	6.28	7.04	5.39	5.40	5.68	6.42
	S/T‡	1.00	0.99	0.75	0.54	1.00	1.00	0.77	0.55	1.00	1.00	0.80	0.56	1.00	1.00	0.84	0.58	1.00	1.00	0.88	0.60
	AMPS*	7.51	7.52	7.59	7.71	8.28	8.28	8.35	8.47	9.14	9.14	9.23	9.35	10.06	10.06	10.22	10.38	11.11	11.12	11.24	11.57
	HI PR	2010	2012	2070	2142	2322	2323	2376	2452	2668	2669	2716	2795	3048	3049	3092	3175	3466	3467	3503	3592
	LO PR	943	947	1016	1087	970	971	1038	1116	996	998	1057	1141	1025	1026	1075	1164	1058	1059	1095	1186
Multipliers																					
Model	Capacity	Power																			
EBW2400A	0.98	0.98																			

COOLING (English)		30 Size Outdoor With EBW3600A Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature – Degrees F, Wet Bulb																								
CFM		57	62	67	72	57	62	67	72	57	62	67	72	57	62	67	72	57	62	67	72					
875	MBh†	27.53	28.68	31.52	34.21	26.23	27.07	29.96	32.88	24.82	25.33	28.15	31.20	23.29	23.47	26.10	29.20	21.62	21.66	23.87	26.87					
	S/T‡	1.00	0.89	0.69	0.52	1.00	0.92	0.70	0.52	1.00	0.94	0.72	0.53	1.00	0.97	0.74	0.54	1.00	1.00	0.77	0.55					
	AMPS*	8.84	8.91	9.10	9.34	10.01	10.10	10.31	10.57	11.27	11.34	11.70	11.99	12.75	12.78	13.19	13.63	14.48	14.48	14.88	15.46					
	HI PR	295	299	308	318	341	344	353	365	392	394	404	416	448	449	460	473	510	510	521	535					
	LO PR	124	128	139	149	128	131	142	153	132	134	145	157	136	137	148	161	142	142	151	164					
1000	MBh†	28.79	29.45	32.19	34.80	27.47	27.85	30.65	33.50	25.99	26.11	28.80	31.83	24.39	24.42	26.70	29.81	22.63	22.67	24.40	27.44					
	S/T‡	1.00	0.93	0.72	0.53	1.00	0.96	0.73	0.54	1.00	0.99	0.75	0.55	1.00	1.00	0.78	0.56	1.00	1.00	0.81	0.57					
	AMPS*	9.08	9.12	9.32	9.57	10.30	10.32	10.53	10.81	11.60	11.62	11.93	12.22	13.09	13.10	13.47	13.88	14.83	14.84	15.16	15.76					
	HI PR	299	301	310	321	345	347	356	368	396	397	407	419	453	453	463	476	515	515	523	538					
	LO PR	129	131	141	151	133	134	145	156	137	137	148	160	141	141	151	163	146	146	154	167					
1125	MBh†	29.84	30.12	32.72	35.26	28.50	28.56	31.18	33.98	26.99	27.03	29.32	32.32	25.32	25.35	27.18	30.29	23.50	23.53	24.84	27.90					
	S/T‡	1.00	0.96	0.74	0.54	1.00	1.00	0.76	0.55	1.00	1.00	0.79	0.56	1.00	1.00	0.81	0.58	1.00	1.00	0.85	0.60					
	AMPS*	9.31	9.33	9.53	9.79	10.54	10.54	10.75	11.03	11.92	11.93	12.14	12.45	13.42	13.42	13.73	14.11	15.17	15.17	15.42	16.04					
	HI PR	302	303	312	324	349	349	358	370	400	400	409	422	457	457	465	478	519	519	526	541					
	LO PR	133	134	143	153	137	137	147	158	141	141	150	162	145	145	153	165	150	150	156	169					
Multipliers																										
Model	Capacity	Power																								
EBW3000A	0.99	0.99																								

COOLING (SI)		30 Size Outdoor With EBW3600A Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees C, Dry Bulb																								
		24					29					35					41					46				
		Entering Indoor Temperature – Degrees C, Wet Bulb																								
L/S		14	17	19	22	14	17	19	22	14	17	19	22	14	17	19	22	14	17	19	22					
415	kW†	8.07	8.40	9.23	10.02	7.68	7.93	8.78	9.63	7.27	7.42	8.25	9.14	6.82	6.88	7.65	8.56	6.33	6.34	6.99	7.87					
	S/T‡	1.00	0.89	0.69	0.52	1.00	0.92	0.70	0.52	1.00	0.94	0.72	0.53	1.00	0.97	0.74	0.54	1.00	1.00	0.77	0.55					
	AMPS*	8.84	8.91	9.10	9.34	10.01	10.10	10.31	10.57	11.27	11.34	11.70	11.99	12.75	12.78	13.19	13.63	14.48	14.48	14.88	15.46					
	HI PR	2036	2059	2122	2196	2354	2372	2437	2516	2702	2715	2786	2870	3088	3093	3171	3261	3514	3515	3590	3691					
	LO PR	854	883	955	1025	880	902	978	1055	908	922	1000	1082	940	945	1021	1108	977	978	1044	1132					
470	kW†	8.44	8.63	9.43	10.20	8.05	8.16	8.98	9.82	7.62	7.65	8.44	9.32	7.15	7.16	7.82	8.74	6.63	6.64	7.15	8.04					
	S/T‡	1.00	0.93	0.72	0.53	1.00	0.96	0.73	0.54	1.00	0.99	0.75	0.55	1.00	1.00	0.78	0.56	1.00	1.00	0.81	0.57					
	AMPS*	9.08	9.12	9.32	9.57	10.30	10.32	10.53	10.81	11.60	11.62	11.93	12.22	13.09	13.10	13.47	13.88	14.83	14.84	15.16	15.76					
	HI PR	2062	2075	2139	2215	2381	2389	2455	2537	2733	2736	2804	2891	3121	3122	3189	3282	3550	3551	3609	3711					
	LO PR	887	904	974	1041	914	924	997	1072	942	945	1018	1100	973	974	1039	1126	1009	1010	1061	1150					
530	kW†	8.74	8.82	9.59	10.33	8.35	8.37	9.14	9.96	7.91	7.92	8.59	9.47	7.42	7.43	7.96	8.88	6.88	6.89	7.28	8.17					
	S/T‡	1.00	0.96	0.74	0.54	1.00	1.00	0.76	0.55	1.00	1.00	0.79	0.56	1.00	1.00	0.81	0.58	1.00	1.00	0.85	0.60					
	AMPS*	9.31	9.33	9.53	9.79	10.54	10.54	10.75	11.03	11.92	11.93	12.14	12.45	13.42	13.42	13.73	14.11	15.17	15.17	15.42	16.04					
	HI PR	2085	2091	2154	2231	2405	2406	2469	2554	2760	2761	2819	2908	3150	3151	3205	3299	3580	3581	3625	3728					
	LO PR	915	922	989	1054	943	944	1013	1086	971	972	1034	1115	1001	1002	1054	1141	1036	1037	1075	1165					
Multipliers																										
Model	Capacity	Power																								
EBW3000A	0.99	0.99																								

COOLING (English)		36 Size Outdoor With EBW4200A Indoor Cooling																			
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature – Degrees F, Wet Bulb																			
CFM		57	62	67	72	57	62	67	72	57	62	67	72	57	62	67	72	57	62	67	72
1050	MBh†	32.36	33.66	37.19	40.51	30.99	31.87	35.44	39.02	29.46	29.93	33.36	37.11	27.78	27.85	31.03	34.82	25.96	26.00	28.51	32.18
	S/T‡	1.00	0.91	0.69	0.51	1.00	0.94	0.71	0.52	1.00	0.97	0.74	0.53	1.00	1.00	0.76	0.54	1.00	1.00	0.80	0.56
	AMPS*	10.73	10.79	10.98	11.21	11.83	11.92	12.13	12.38	13.02	13.07	13.44	13.70	14.37	14.37	14.80	15.22	15.91	15.91	16.30	16.90
	HI PR	297	300	309	320	342	345	354	366	393	394	405	417	448	449	460	473	510	510	520	535
	LO PR	124	128	139	149	128	131	142	153	133	134	145	157	137	138	148	161	143	143	152	165
1200	MBh†	33.77	34.47	37.88	41.07	32.36	32.69	36.12	39.62	30.74	30.80	34.00	37.71	28.96	29.01	31.59	35.40	27.04	27.08	29.00	32.71
	S/T‡	1.00	0.95	0.72	0.52	1.00	0.98	0.74	0.54	1.00	1.00	0.77	0.55	1.00	1.00	0.80	0.56	1.00	1.00	0.84	0.58
	AMPS*	11.00	11.03	11.23	11.47	12.17	12.19	12.38	12.64	13.38	13.39	13.69	13.96	14.74	14.74	15.10	15.47	16.29	16.29	16.59	17.21
	HI PR	301	302	312	322	347	347	357	369	397	397	407	420	453	453	463	476	515	515	523	538
	LO PR	129	131	141	151	133	134	145	156	137	138	148	160	142	142	151	164	147	147	154	167
1350	MBh†	34.92	35.18	38.39	41.47	33.48	33.53	36.63	40.06	31.80	31.85	34.49	38.17	29.96	30.00	32.03	35.83	27.94	27.97	29.39	33.13
	S/T‡	1.00	0.98	0.75	0.54	1.00	1.00	0.78	0.55	1.00	1.00	0.81	0.56	1.00	1.00	0.84	0.58	1.00	1.00	0.88	0.61
	AMPS*	11.26	11.28	11.47	11.72	12.43	12.44	12.62	12.89	13.73	13.73	13.93	14.21	15.09	15.09	15.38	15.72	16.64	16.65	16.87	17.45
	HI PR	304	305	314	325	350	350	359	371	401	401	409	422	457	457	465	478	519	519	525	540
	LO PR	133	134	144	153	137	137	147	158	142	142	150	162	146	146	153	166	151	151	156	169
Multipliers																					
Model	Capacity	Power																			
EBW3600A	0.98	1.01																			

COOLING (SI)		36 Size Outdoor With EBW4200A Indoor Cooling																			
		Outdoor Ambient Temperature – Degrees C, Dry Bulb																			
		24				29				35				41				46			
		Entering Indoor Temperature – Degrees C, Wet Bulb																			
L/S		14	17	19	22	14	17	19	22	14	17	19	22	14	17	19	22	14	17	19	22
495	kW†	9.48	9.86	10.90	11.87	9.08	9.34	10.38	11.43	8.63	8.77	9.78	10.87	8.14	8.16	9.09	10.20	7.61	7.62	8.35	9.43
	S/T‡	1.00	0.91	0.69	0.51	1.00	0.94	0.71	0.52	1.00	0.97	0.74	0.53	1.00	1.00	0.76	0.54	1.00	1.00	0.80	0.56
	AMPS*	10.73	10.79	10.98	11.21	11.83	11.92	12.13	12.38	13.02	13.07	13.44	13.70	14.37	14.37	14.80	15.22	15.91	15.91	16.30	16.90
	HI PR	2046	2068	2131	2205	2361	2377	2444	2523	2707	2717	2790	2874	3091	3093	3171	3262	3516	3517	3586	3687
	LO PR	858	884	957	1025	885	904	980	1056	914	925	1002	1084	947	949	1023	1110	983	984	1046	1135
565	kW†	9.90	10.10	11.10	12.03	9.48	9.58	10.58	11.61	9.01	9.02	9.96	11.05	8.49	8.50	9.26	10.37	7.92	7.93	8.50	9.58
	S/T‡	1.00	0.95	0.72	0.52	1.00	0.98	0.74	0.54	1.00	1.00	0.77	0.55	1.00	1.00	0.80	0.56	1.00	1.00	0.84	0.58
	AMPS*	11.00	11.03	11.23	11.47	12.17	12.19	12.38	12.64	13.38	13.39	13.69	13.96	14.74	14.74	15.10	15.47	16.29	16.29	16.59	17.21
	HI PR	2072	2085	2149	2224	2390	2396	2462	2543	2739	2740	2808	2894	3125	3126	3189	3281	3551	3552	3605	3707
	LO PR	891	905	975	1041	919	926	998	1073	948	949	1020	1102	980	981	1041	1128	1015	1016	1063	1152
635	kW†	10.23	10.31	11.25	12.15	9.81	9.82	10.73	11.74	9.32	9.33	10.11	11.18	8.78	8.79	9.39	10.50	8.19	8.20	8.61	9.71
	S/T‡	1.00	0.98	0.75	0.54	1.00	1.00	0.78	0.55	1.00	1.00	0.81	0.56	1.00	1.00	0.84	0.58	1.00	1.00	0.88	0.61
	AMPS*	11.26	11.28	11.47	11.72	12.43	12.44	12.62	12.89	13.73	13.73	13.93	14.21	15.09	15.09	15.38	15.72	16.64	16.65	16.87	17.45
	HI PR	2096	2100	2164	2239	2414	2415	2477	2559	2766	2767	2823	2911	3153	3154	3204	3298	3581	3582	3622	3723
	LO PR	918	923	989	1054	947	948	1014	1087	976	977	1035	1116	1007	1008	1056	1142	1042	1043	1077	1167
Multipliers																					
Model	Capacity	Power																			
EBW3600A	0.98	1.01																			

COOLING (English)		42 Size Outdoor With EBW4800A Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature – Degrees F, Wet Bulb																								
CFM		57	62	67	72	57	62	67	72	57	62	67	72	57	62	67	72	57	62	67	72					
1225	MBh†	39.33	40.83	44.99	48.91	37.54	38.59	42.78	47.04	35.60	36.18	40.22	44.66	33.51	33.65	37.40	41.92	31.22	31.28	34.39	38.81					
	S/T‡	1.00	0.91	0.70	0.51	1.00	0.94	0.72	0.52	1.00	0.97	0.74	0.53	1.00	0.99	0.77	0.55	1.00	1.00	0.80	0.56					
	AMPS*	12.23	12.28	12.45	12.67	13.47	13.56	13.74	13.94	14.83	14.88	15.23	15.42	16.43	16.44	16.85	17.17	18.32	18.33	18.69	19.23					
	HI PR	288	291	299	309	334	336	344	354	383	385	394	403	438	439	448	458	499	499	508	519					
	LO PR	126	130	141	151	130	133	144	155	134	135	147	159	138	139	150	162	143	143	153	166					
1400	MBh†	41.02	41.80	45.80	49.57	39.18	39.55	43.60	47.74	37.14	37.20	41.00	45.39	34.92	34.98	38.08	42.62	32.53	32.58	35.00	39.49					
	S/T‡	1.00	0.95	0.72	0.53	1.00	0.98	0.75	0.54	1.00	1.00	0.77	0.55	1.00	1.00	0.80	0.57	1.00	1.00	0.84	0.59					
	AMPS*	12.53	12.56	12.73	12.95	13.83	13.84	14.00	14.22	15.22	15.23	15.50	15.70	16.83	16.84	17.18	17.44	18.73	18.74	19.02	19.49					
	HI PR	292	293	301	311	337	338	346	356	387	387	396	406	442	443	450	460	504	504	510	520					
	LO PR	131	133	143	153	135	136	147	158	139	139	150	162	143	143	152	165	148	148	155	168					
1575	MBh†	42.39	42.62	46.36	50.04	40.52	40.58	44.19	48.23	38.41	38.46	41.56	45.90	36.10	36.15	38.60	43.12	33.64	33.69	35.46	39.96					
	S/T‡	1.00	0.99	0.75	0.54	1.00	1.00	0.78	0.55	1.00	1.00	0.81	0.57	1.00	1.00	0.84	0.59	1.00	1.00	0.88	0.61					
	AMPS*	12.82	12.83	13.00	13.23	14.12	14.12	14.27	14.50	15.60	15.61	15.76	15.97	17.21	17.22	17.48	17.71	19.11	19.12	19.33	19.75					
	HI PR	295	295	303	313	340	341	348	358	391	391	397	408	446	446	452	462	507	507	512	522					
	LO PR	135	136	146	155	139	139	149	160	143	143	152	164	147	147	155	167	152	152	157	170					
Multipliers																										
Model	Capacity	Power																								
EBW4200A	0.98	1.02																								

COOLING (SI)		42 Size Outdoor With EBW4800A Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees C, Dry Bulb																								
		24					29					35					41					46				
		Entering Indoor Temperature – Degrees C, Wet Bulb																								
L/S		14	17	19	22	14	17	19	22	14	17	19	22	14	17	19	22	14	17	19	22					
580	kW†	11.52	11.96	13.18	14.33	11.00	11.31	12.54	13.78	10.43	10.60	11.78	13.09	9.82	9.86	10.96	12.28	9.15	9.16	10.07	11.37					
	S/T‡	1.00	0.91	0.70	0.51	1.00	0.94	0.72	0.52	1.00	0.97	0.74	0.53	1.00	0.99	0.77	0.55	1.00	1.00	0.80	0.56					
	AMPS*	12.23	12.28	12.45	12.67	13.47	13.56	13.74	13.94	14.83	14.88	15.23	15.42	16.43	16.44	16.85	17.17	18.32	18.33	18.69	19.23					
	HI PR	1989	2007	2062	2129	2301	2315	2373	2439	2643	2652	2715	2782	3021	3024	3091	3159	3442	3443	3501	3575					
	LO PR	869	896	971	1042	894	914	993	1071	922	933	1013	1096	952	955	1032	1120	987	988	1053	1143					
660	kW†	12.02	12.25	13.42	14.52	11.48	11.59	12.78	13.99	10.88	10.90	12.01	13.30	10.23	10.25	11.16	12.49	9.53	9.55	10.25	11.57					
	S/T‡	1.00	0.95	0.72	0.53	1.00	0.98	0.75	0.54	1.00	1.00	0.77	0.55	1.00	1.00	0.80	0.57	1.00	1.00	0.84	0.59					
	AMPS*	12.53	12.56	12.73	12.95	13.83	13.84	14.00	14.22	15.22	15.23	15.50	15.70	16.83	16.84	17.18	17.44	18.73	18.74	19.02	19.49					
	HI PR	2012	2022	2077	2146	2326	2331	2387	2457	2671	2672	2729	2799	3051	3052	3106	3175	3473	3473	3516	3589					
	LO PR	904	918	989	1058	930	937	1012	1089	957	958	1032	1115	986	987	1051	1138	1019	1021	1070	1160					
745	kW†	12.42	12.49	13.58	14.66	11.87	11.89	12.95	14.13	11.25	11.27	12.18	13.45	10.58	10.59	11.31	12.63	9.86	9.87	10.39	11.71					
	S/T‡	1.00	0.99	0.75	0.54	1.00	1.00	0.78	0.55	1.00	1.00	0.81	0.57	1.00	1.00	0.84	0.59	1.00	1.00	0.88	0.61					
	AMPS*	12.82	12.83	13.00	13.23	14.12	14.12	14.27	14.50	15.60	15.61	15.76	15.97	17.21	17.22	17.48	17.71	19.11	19.12	19.33	19.75					
	HI PR	2033	2036	2090	2160	2347	2348	2399	2471	2694	2695	2740	2813	3076	3077	3117	3188	3496	3497	3528	3601					
	LO PR	932	937	1004	1071	959	961	1027	1102	987	988	1047	1129	1015	1017	1066	1152	1047	1048	1085	1174					
Multipliers																										
Model	Capacity	Power																								
EBW4200A	0.98	1.02																								

COOLING (English)		48 Size Outdoor With EBW6000A Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature – Degrees F, Wet Bulb																								
CFM		57	62	67	72	57	62	67	72	57	62	67	72	57	62	67	72	57	62	67	72					
1400	MBh†	44.88	46.79	51.59	56.28	43.22	44.60	49.46	54.46	41.47	42.30	47.07	52.29	39.46	39.74	44.37	49.72	37.17	37.23	41.24	46.63					
	S/T‡	1.00	0.89	0.68	0.51	1.00	0.92	0.70	0.51	1.00	0.96	0.72	0.52	1.00	0.99	0.75	0.54	1.00	1.00	0.78	0.55					
	AMPS*	14.36	14.44	14.69	15.02	16.06	16.21	16.52	16.84	18.02	18.10	18.61	18.91	20.15	20.18	20.74	21.19	22.41	22.42	22.95	23.61					
	HI PR	295	298	306	316	341	344	352	363	392	394	403	414	448	449	459	470	509	509	518	530					
	LO PR	125	130	141	152	129	132	144	156	133	135	147	159	137	138	150	162	143	143	153	166					
1600	MBh†	46.80	47.89	52.57	57.12	45.10	45.68	50.42	55.32	43.25	43.35	48.00	53.18	41.19	41.25	45.20	50.57	38.80	38.86	42.00	47.45					
	S/T‡	1.00	0.94	0.71	0.52	1.00	0.97	0.73	0.53	1.00	1.00	0.76	0.54	1.00	1.00	0.79	0.55	1.00	1.00	0.82	0.57					
	AMPS*	14.75	14.82	15.06	15.42	16.59	16.64	16.89	17.23	18.56	18.56	18.97	19.30	20.69	20.70	21.20	21.57	22.97	22.98	23.41	23.99					
	HI PR	299	300	308	319	345	346	354	365	397	397	405	416	453	453	461	472	513	513	521	533					
	LO PR	131	133	144	155	134	136	147	159	138	139	150	162	143	143	152	165	147	148	155	168					
1800	MBh†	48.41	48.82	53.26	57.72	46.69	46.74	51.12	55.94	44.76	44.83	48.67	53.77	42.63	42.69	45.85	51.17	40.17	40.23	42.56	48.02					
	S/T‡	1.00	0.97	0.74	0.53	1.00	1.00	0.77	0.54	1.00	1.00	0.79	0.56	1.00	1.00	0.82	0.57	1.00	1.00	0.86	0.59					
	AMPS*	15.15	15.17	15.43	15.79	17.02	17.02	17.25	17.61	19.07	19.08	19.33	19.67	21.22	21.23	21.62	21.94	23.51	23.51	23.85	24.35					
	HI PR	302	302	310	321	348	349	356	368	400	400	407	419	456	457	463	475	517	517	523	535					
	LO PR	135	136	146	157	139	139	150	161	143	143	152	164	147	147	155	167	152	152	157	170					
Multipliers																										
Model	Capacity	Power																								
EBW4800A	0.99	0.99																								
EBW4800E	0.99	0.99																								
EBW6000E	1.00	1.00																								

COOLING (SI)		48 Size Outdoor With EBW6000A Indoor Cooling																			
		Outdoor Ambient Temperature – Degrees C, Dry Bulb																			
		24				29				35				41				46			
		Entering Indoor Temperature – Degrees C, Wet Bulb																			
L/S		14	17	19	22	14	17	19	22	14	17	19	22	14	17	19	22	14	17	19	22
660	kW†	13.15	13.71	15.12	16.49	12.66	13.07	14.49	15.96	12.15	12.39	13.79	15.32	11.56	11.64	13.00	14.57	10.89	10.91	12.08	13.66
	S/T‡	1.00	0.89	0.68	0.51	1.00	0.92	0.70	0.51	1.00	0.96	0.72	0.52	1.00	0.99	0.75	0.54	1.00	1.00	0.78	0.55
	AMPS*	14.36	14.44	14.69	15.02	16.06	16.21	16.52	16.84	18.02	18.10	18.61	18.91	20.15	20.18	20.74	21.19	22.41	22.42	22.95	23.61
	HI PR	2035	2055	2110	2181	2350	2369	2429	2500	2704	2716	2780	2852	3091	3096	3164	3239	3508	3510	3573	3656
	LO PR	862	895	973	1050	889	913	994	1076	917	932	1013	1099	948	953	1032	1120	983	984	1053	1142
755	kW†	13.71	14.03	15.40	16.74	13.21	13.38	14.77	16.21	12.67	12.70	14.06	15.58	12.07	12.09	13.24	14.82	11.37	11.39	12.31	13.90
	S/T‡	1.00	0.94	0.71	0.52	1.00	0.97	0.73	0.53	1.00	1.00	0.76	0.54	1.00	1.00	0.79	0.55	1.00	1.00	0.82	0.57
	AMPS*	14.75	14.82	15.06	15.42	16.59	16.64	16.89	17.23	18.56	18.56	18.97	19.30	20.69	20.70	21.20	21.57	22.97	22.98	23.41	23.99
	HI PR	2058	2071	2127	2200	2380	2386	2444	2519	2736	2736	2795	2872	3122	3123	3180	3257	3539	3540	3590	3674
	LO PR	900	918	994	1069	927	937	1015	1096	954	955	1033	1118	983	984	1051	1139	1017	1018	1071	1161
850	kW†	14.18	14.30	15.60	16.91	13.68	13.70	14.98	16.39	13.12	13.14	14.26	15.76	12.49	12.51	13.43	14.99	11.77	11.79	12.47	14.07
	S/T‡	1.00	0.97	0.74	0.53	1.00	1.00	0.77	0.54	1.00	1.00	0.79	0.56	1.00	1.00	0.82	0.57	1.00	1.00	0.86	0.59
	AMPS*	15.15	15.17	15.43	15.79	17.02	17.02	17.25	17.61	19.07	19.08	19.33	19.67	21.22	21.23	21.62	21.94	23.51	23.51	23.85	24.35
	HI PR	2081	2084	2141	2216	2403	2404	2457	2535	2759	2760	2808	2887	3147	3148	3192	3273	3566	3567	3604	3688
	LO PR	931	937	1010	1084	958	960	1031	1111	985	986	1049	1134	1013	1014	1067	1154	1045	1046	1086	1175
Multipliers																					
Model	Capacity	Power																			
EBW4800A	0.99	0.99																			
EBW4800E	0.99	0.99																			
EBW6000E	1.00	1.00																			

COOLING (English)		60 Size Outdoor With EBW7000A Indoor Cooling																						
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																						
		75					85					95					105					115		
		Entering Indoor Temperature – Degrees F, Wet Bulb																						
CFM		57	62	67	72	57	62	67	72	57	62	67	72	57	62	67	72	57	62	67	72			
1750	MBh†	56.48	58.54	64.84	71.15	53.91	55.36	61.51	67.99	51.10	51.86	57.79	64.33	48.07	48.17	53.75	60.29	44.87	44.95	49.45	55.88			
	S/T‡	1.00	0.87	0.67	0.49	1.00	0.91	0.69	0.50	1.00	0.95	0.72	0.52	1.00	1.00	0.75	0.53	1.00	1.00	0.79	0.55			
	AMPS*	18.39	18.49	18.71	18.98	20.22	20.33	20.67	20.92	22.29	22.34	22.85	23.11	24.63	24.63	25.27	25.59	27.27	27.28	27.88	28.40			
	HI PR	307	310	319	330	355	357	367	379	407	409	419	431	464	464	475	488	525	525	535	549			
	LO PR	128	132	143	155	131	134	146	158	135	137	148	161	140	140	151	164	144	144	154	167			
1900	MBh†	58.04	59.41	65.64	71.88	55.35	56.17	62.27	68.68	52.46	52.70	58.50	65.00	49.36	49.44	54.39	60.89	46.06	46.14	50.00	56.45			
	S/T‡	1.00	0.90	0.68	0.50	1.00	0.93	0.71	0.51	1.00	0.99	0.74	0.53	1.00	1.00	0.77	0.54	1.00	1.00	0.81	0.56			
	AMPS*	18.76	18.78	18.98	19.26	20.61	20.67	20.93	21.20	22.69	22.70	23.12	23.39	25.04	25.05	25.60	25.88	27.71	27.72	28.23	28.69			
	HI PR	310	312	321	332	358	359	369	381	411	411	421	433	467	467	477	490	528	529	537	550			
	LO PR	131	134	145	156	134	136	148	160	138	139	150	163	143	143	153	165	147	148	156	168			
2050	MBh†	59.36	60.19	66.30	72.47	56.68	56.96	62.91	69.25	53.68	53.77	59.08	65.53	50.52	50.60	54.92	61.38	47.13	47.21	50.45	56.88			
	S/T‡	1.00	0.92	0.70	0.50	1.00	0.99	0.73	0.52	1.00	1.00	0.76	0.54	1.00	1.00	0.79	0.55	1.00	1.00	0.84	0.58			
	AMPS*	19.02	19.05	19.25	19.55	21.01	21.02	21.20	21.48	23.07	23.08	23.39	23.68	25.43	25.44	25.87	26.17	28.13	28.14	28.57	28.98			
	HI PR	312	313	322	334	361	361	370	383	413	414	422	435	470	470	478	491	531	531	538	552			
	LO PR	134	136	147	158	137	138	149	161	141	142	152	164	146	146	154	167	150	150	157	170			
Multipliers																								
Model	Capacity	Power																						
EBW6000A	0.98	1.00																						
EBW6000E	0.98	1.00																						

COOLING (SI)		60 Size Outdoor With EBW7000A Indoor Cooling																						
		Outdoor Ambient Temperature – Degrees C, Dry Bulb																						
		24					29					35					41					46		
		Entering Indoor Temperature – Degrees C, Wet Bulb																						
L/S		14	17	19	22	14	17	19	22	14	17	19	22	14	17	19	22	14	17	19	22			
825	kW†	16.55	17.15	19.00	20.85	15.79	16.22	18.02	19.92	14.97	15.19	16.93	18.85	14.08	14.11	15.75	17.66	13.15	13.17	14.49	16.37			
	S/T‡	1.00	0.87	0.67	0.49	1.00	0.91	0.69	0.50	1.00	0.95	0.72	0.52	1.00	1.00	0.75	0.53	1.00	1.00	0.79	0.55			
	AMPS*	18.39	18.49	18.71	18.98	20.22	20.33	20.67	20.92	22.29	22.34	22.85	23.11	24.63	24.63	25.27	25.59	27.27	27.28	27.88	28.40			
	HI PR	2115	2137	2202	2278	2446	2463	2534	2614	2808	2817	2891	2974	3201	3202	3278	3364	3621	3623	3691	3782			
	LO PR	880	908	987	1066	904	924	1005	1088	931	942	1023	1108	962	964	1042	1129	995	996	1061	1150			
895	kW†	17.01	17.41	19.23	21.06	16.22	16.46	18.25	20.12	15.37	15.44	17.14	19.04	14.46	14.49	15.94	17.84	13.50	13.52	14.65	16.54			
	S/T‡	1.00	0.90	0.68	0.50	1.00	0.93	0.71	0.51	1.00	0.99	0.74	0.53	1.00	1.00	0.77	0.54	1.00	1.00	0.81	0.56			
	AMPS*	18.76	18.78	18.98	19.26	20.61	20.67	20.93	21.20	22.69	22.70	23.12	23.39	25.04	25.05	25.60	25.88	27.71	27.72	28.23	28.69			
	HI PR	2138	2149	2213	2291	2468	2476	2545	2626	2832	2833	2902	2987	3222	3223	3289	3377	3643	3644	3703	3795			
	LO PR	903	922	1000	1078	927	938	1018	1100	954	957	1035	1120	984	985	1053	1141	1016	1017	1072	1161			
965	kW†	17.39	17.63	19.43	21.23	16.61	16.69	18.43	20.29	15.73	15.75	17.31	19.20	14.80	14.83	16.09	17.99	13.81	13.83	14.78	16.67			
	S/T‡	1.00	0.92	0.70	0.50	1.00	0.99	0.73	0.52	1.00	1.00	0.76	0.54	1.00	1.00	0.79	0.55	1.00	1.00	0.84	0.58			
	AMPS*	19.02	19.05	19.25	19.55	21.01	21.02	21.20	21.48	23.07	23.08	23.39	23.68	25.43	25.44	25.87	26.17	28.13	28.14	28.57	28.98			
	HI PR	2151	2160	2223	2304	2488	2492	2555	2638	2850	2851	2911	2999	3241	3242	3298	3388	3663	3664	3713	3806			
	LO PR	925	935	1012	1088	948	952	1029	1110	974	976	1046	1131	1003	1004	1064	1151	1035	1036	1082	1171			
Multipliers																								
Model	Capacity	Power																						
EBW6000A	0.98	1.00																						
EBW6000E	0.98	1.00																						

### CONDENSER ONLY RATINGS

SST deg °F		CONDENSER ENTERING AIR TEMPERATURES deg °F							
		55	65	75	85	95	105	115	125
<b>R4AE18PWA1</b>									
<b>30</b>	TCG	15.50	14.70	13.80	12.90	11.90	10.90	9.90	8.80
	SDT	69.60	79.70	89.80	99.50	109.30	119.10	129.10	139.10
	KW	0.84	0.98	1.12	1.27	1.44	1.64	1.87	2.15
<b>35</b>	TCG	17.60	16.70	15.80	14.80	13.80	12.70	11.50	10.30
	SDT	70.70	80.50	90.40	100.20	110.00	119.80	129.70	139.90
	KW	0.84	0.97	1.12	1.27	1.44	1.64	1.87	2.15
<b>40</b>	TCG	19.50	18.50	17.50	16.40	15.30	14.10	12.90	11.60
	SDT	71.50	81.30	91.10	101.00	110.70	120.60	130.50	140.50
	KW	0.82	0.97	1.11	1.27	1.44	1.64	1.87	2.15
<b>45</b>	TCG	21.50	20.50	19.30	18.20	16.90	15.70	14.40	13.00
	SDT	72.40	82.10	91.90	101.70	111.60	121.40	131.30	141.20
	KW	0.81	0.96	1.11	1.27	1.45	1.65	1.88	2.15
<b>50</b>	TCG	23.60	22.40	21.20	19.90	18.60	17.30	15.90	14.40
	SDT	73.30	83.00	92.80	102.60	112.50	122.20	132.00	141.90
	KW	0.80	0.96	1.11	1.28	1.46	1.66	1.89	2.15
<b>55</b>	TCG	25.60	24.40	23.10	21.70	20.30	18.90	17.40	15.90
	SDT	74.40	84.10	93.80	103.60	113.40	123.10	132.80	142.50
	KW	0.80	0.96	1.12	1.29	1.47	1.67	1.90	2.16

SST deg °C		CONDENSER ENTERING AIR TEMPERATURES deg °C							
		13	18	24	29	35	41	46	52
<b>R4AE18PWA1</b>									
<b>-1</b>	TCG	4.50	4.30	4.00	3.80	3.50	3.20	2.90	2.60
	SDT	21.00	27.00	32.00	38.00	43.00	48.00	54.00	60.00
	KW	0.84	0.98	1.12	1.27	1.44	1.64	1.87	2.15
<b>2</b>	TCG	5.20	4.90	4.60	4.30	4.00	3.70	3.40	3.00
	SDT	22.00	27.00	32.00	38.00	43.00	49.00	54.00	60.00
	KW	0.84	0.97	1.12	1.27	1.44	1.64	1.87	2.15
<b>4</b>	TCG	5.70	5.40	5.10	4.80	4.50	4.10	3.80	3.40
	SDT	22.00	27.00	33.00	38.00	44.00	49.00	55.00	60.00
	KW	0.82	0.97	1.11	1.27	1.44	1.64	1.87	2.15
<b>7</b>	TCG	6.30	6.00	5.70	5.30	5.00	4.60	4.20	3.80
	SDT	22.00	28.00	33.00	39.00	44.00	50.00	55.00	61.00
	KW	0.81	0.96	1.11	1.27	1.45	1.65	1.88	2.15
<b>10</b>	TCG	6.90	6.60	6.20	5.80	5.50	5.10	4.70	4.20
	SDT	23.00	28.00	34.00	39.00	45.00	50.00	56.00	61.00
	KW	0.80	0.96	1.11	1.28	1.46	1.66	1.89	2.15
<b>13</b>	TCG	7.50	7.10	6.80	6.40	6.00	5.50	5.10	4.70
	SDT	24.00	29.00	34.00	40.00	45.00	51.00	56.00	61.00
	KW	0.80	0.96	1.12	1.29	1.47	1.67	1.90	2.16

TCG = Gross Cooling Capacity (x 1000 BTU/hr)  
 SDT = Saturated Temperature Leaving Compressor  
 kW = Outdoor Unit Kilowatts  
 SST = Saturated Temperature Entering Compressor

SST deg °F		CONDENSER ENTERING AIR TEMPERATURES deg °F							
		55	65	75	85	95	105	115	125
<b>R4AE24PWA1</b>									
30	TCG	18.90	17.80	16.70	15.60	14.40	13.00	11.60	10.00
	SDT	70.70	80.50	90.50	100.50	110.40	120.30	130.30	140.40
	KW	1.16	1.31	1.48	1.67	1.88	2.13	2.42	2.76
35	TCG	21.60	20.40	19.20	18.00	16.70	15.30	13.70	12.00
	SDT	71.60	81.40	91.30	101.30	111.30	121.30	131.30	141.30
	KW	1.16	1.31	1.48	1.67	1.89	2.15	2.44	2.78
40	TCG	23.80	22.60	21.30	20.00	18.60	17.10	15.50	13.70
	SDT	72.60	82.30	92.10	102.20	112.30	122.20	132.20	142.20
	KW	1.16	1.31	1.48	1.67	1.90	2.15	2.45	2.79
45	TCG	26.10	24.80	23.50	22.20	20.70	19.10	17.40	15.50
	SDT	73.70	83.40	93.20	103.10	113.20	123.20	133.10	143.00
	KW	1.16	1.31	1.48	1.67	1.90	2.16	2.46	2.80
50	TCG	28.50	27.10	25.80	24.40	22.90	21.20	19.40	17.50
	SDT	75.10	84.60	94.30	104.10	114.10	124.10	134.00	143.80
	KW	1.16	1.31	1.48	1.67	1.90	2.16	2.46	2.81
55	TCG	30.80	29.40	28.00	26.50	25.00	23.30	21.40	19.40
	SDT	76.50	85.90	95.50	105.20	115.10	125.10	134.90	144.60
	KW	1.15	1.30	1.47	1.67	1.90	2.16	2.46	2.81

SST deg °C		CONDENSER ENTERING AIR TEMPERATURES deg °C							
		13	18	24	29	35	41	46	52
<b>R4AE24PWA1</b>									
-1	TCG	5.50	5.20	4.90	4.60	4.20	3.80	3.40	2.90
	SDT	21.00	27.00	32.00	38.00	44.00	49.00	55.00	60.00
	KW	1.16	1.31	1.48	1.67	1.88	2.13	2.42	2.76
2	TCG	6.30	6.00	5.60	5.30	4.90	4.50	4.00	3.50
	SDT	22.00	27.00	33.00	39.00	44.00	50.00	55.00	61.00
	KW	1.16	1.31	1.48	1.67	1.89	2.15	2.44	2.78
4	TCG	7.00	6.60	6.30	5.90	5.50	5.00	4.50	4.00
	SDT	23.00	28.00	33.00	39.00	45.00	50.00	56.00	61.00
	KW	1.16	1.31	1.48	1.67	1.90	2.15	2.45	2.79
7	TCG	7.70	7.30	6.90	6.50	6.10	5.60	5.10	4.60
	SDT	23.00	29.00	34.00	39.00	45.00	51.00	56.00	62.00
	KW	1.16	1.31	1.48	1.67	1.90	2.16	2.46	2.80
10	TCG	8.40	8.00	7.60	7.10	6.70	6.20	5.70	5.10
	SDT	24.00	29.00	35.00	40.00	46.00	51.00	57.00	62.00
	KW	1.16	1.31	1.48	1.67	1.90	2.16	2.46	2.81
13	TCG	9.00	8.60	8.20	7.80	7.30	6.80	6.30	5.70
	SDT	25.00	30.00	35.00	41.00	46.00	52.00	57.00	63.00
	KW	1.15	1.30	1.47	1.67	1.90	2.16	2.46	2.81

TCG = Gross Cooling Capacity (x 1000 BTU/hr)  
 SDT = Saturated Temperature Leaving Compressor  
 kW = Outdoor Unit Kilowatts  
 SST = Saturated Temperature Entering Compressor

SST deg °F		CONDENSER ENTERING AIR TEMPERATURES deg °F							
		55	65	75	85	95	105	115	125
<b>R4AE30PWA1</b>									
30	TCG	25.50	23.90	22.30	20.70	19.00	17.20	15.30	13.30
	SDT	71.70	81.50	91.30	101.30	111.20	121.00	130.90	140.90
	KW	1.37	1.59	1.82	2.09	2.39	2.75	3.17	3.69
35	TCG	28.50	26.90	25.30	23.60	21.90	20.00	18.00	15.80
	SDT	72.60	82.30	92.10	102.10	112.20	122.10	132.00	142.00
	KW	1.37	1.59	1.83	2.09	2.40	2.76	3.18	3.70
40	TCG	31.40	29.80	28.10	26.30	24.40	22.50	20.30	18.10
	SDT	73.50	83.30	93.10	103.10	113.20	123.20	133.00	143.00
	KW	1.37	1.60	1.84	2.10	2.41	2.77	3.19	3.70
45	TCG	34.50	32.80	31.00	29.10	27.10	25.00	22.80	20.40
	SDT	74.60	84.40	94.20	104.20	114.20	124.20	134.10	143.90
	KW	1.38	1.61	1.85	2.12	2.43	2.79	3.20	3.70
50	TCG	37.70	35.80	33.90	32.00	29.90	27.70	25.40	22.90
	SDT	75.80	85.60	95.40	105.30	115.30	125.40	135.10	144.90
	KW	1.39	1.63	1.88	2.14	2.45	2.81	3.22	3.71
55	TCG	40.60	38.80	36.80	34.80	32.60	30.30	27.90	25.30
	SDT	77.20	86.90	96.70	106.50	116.40	126.40	136.10	145.90
	KW	1.41	1.65	1.90	2.17	2.48	2.84	3.24	3.72

SST deg °C		CONDENSER ENTERING AIR TEMPERATURES deg °C							
		13	18	24	29	35	41	46	52
<b>R4AE30PWA1</b>									
-1	TCG	7.50	7.00	6.50	6.10	5.60	5.00	4.50	3.90
	SDT	22.00	27.00	33.00	38.00	44.00	49.00	55.00	61.00
	KW	1.37	1.59	1.82	2.09	2.39	2.75	3.17	3.69
2	TCG	8.30	7.90	7.40	6.90	6.40	5.90	5.30	4.60
	SDT	23.00	28.00	33.00	39.00	45.00	50.00	56.00	61.00
	KW	1.37	1.59	1.83	2.09	2.40	2.76	3.18	3.70
4	TCG	9.20	8.70	8.20	7.70	7.20	6.60	6.00	5.30
	SDT	23.00	28.00	34.00	39.00	45.00	51.00	56.00	62.00
	KW	1.37	1.60	1.84	2.10	2.41	2.77	3.19	3.70
7	TCG	10.10	9.60	9.10	8.50	8.00	7.30	6.70	6.00
	SDT	24.00	29.00	35.00	40.00	46.00	51.00	57.00	62.00
	KW	1.38	1.61	1.85	2.12	2.43	2.79	3.20	3.70
10	TCG	11.00	10.50	9.90	9.40	8.80	8.10	7.40	6.70
	SDT	24.00	30.00	35.00	41.00	46.00	52.00	57.00	63.00
	KW	1.39	1.63	1.88	2.14	2.45	2.81	3.22	3.71
13	TCG	11.90	11.40	10.80	10.20	9.60	8.90	8.20	7.40
	SDT	25.00	30.00	36.00	41.00	47.00	52.00	58.00	63.00
	KW	1.41	1.65	1.90	2.17	2.48	2.84	3.24	3.72

TCG = Gross Cooling Capacity (x 1000 BTU/hr)  
 SDT = Saturated Temperature Leaving Compressor  
 kW = Outdoor Unit Kilowatts  
 SST = Saturated Temperature Entering Compressor

SST deg °F		CONDENSER ENTERING AIR TEMPERATURES deg °F							
		55	65	75	85	95	105	115	125
<b>R4AE36PWA(PZA)1</b>									
30	TCG	29.70	27.90	26.00	24.00	22.00	19.90	17.90	15.90
	SDT	72.50	82.40	92.20	102.10	111.90	121.60	131.20	141.00
	KW	1.57	1.82	2.09	2.39	2.73	3.11	3.55	4.06
35	TCG	33.30	31.50	29.50	27.40	25.30	23.10	20.90	18.70
	SDT	73.70	83.40	93.20	103.10	113.00	122.60	132.30	142.10
	KW	1.58	1.83	2.09	2.40	2.74	3.12	3.57	4.09
40	TCG	37.00	35.00	32.90	30.70	28.30	26.00	23.60	21.20
	SDT	74.90	84.60	94.30	104.10	114.10	123.90	133.50	143.20
	KW	1.59	1.83	2.10	2.40	2.75	3.15	3.60	4.12
45	TCG	40.70	38.70	36.40	34.00	31.50	28.90	26.40	23.80
	SDT	76.20	85.90	95.60	105.40	115.20	125.10	134.70	144.30
	KW	1.60	1.84	2.11	2.41	2.76	3.17	3.62	4.14
50	TCG	44.50	42.30	40.00	37.40	34.80	32.00	29.20	26.50
	SDT	77.70	87.30	96.90	106.60	116.40	126.30	135.90	145.40
	KW	1.61	1.86	2.13	2.43	2.78	3.18	3.64	4.16
55	TCG	48.00	45.80	43.30	40.80	37.90	35.00	32.10	29.10
	SDT	79.40	88.90	98.40	108.00	117.70	127.50	137.10	146.50
	KW	1.64	1.88	2.14	2.44	2.79	3.20	3.66	4.18

SST deg °C		CONDENSER ENTERING AIR TEMPERATURES deg °C							
		13	18	24	29	35	41	46	52
<b>R4AE36PWA(PZA)1</b>									
-1	TCG	8.70	8.20	7.60	7.00	6.40	5.80	5.20	4.60
	SDT	23.00	28.00	33.00	39.00	44.00	50.00	55.00	61.00
	KW	1.57	1.82	2.09	2.39	2.73	3.11	3.55	4.06
2	TCG	9.80	9.20	8.60	8.00	7.40	6.80	6.10	5.50
	SDT	23.00	29.00	34.00	39.00	45.00	50.00	56.00	61.00
	KW	1.58	1.83	2.09	2.40	2.74	3.12	3.57	4.09
4	TCG	10.80	10.30	9.60	9.00	8.30	7.60	6.90	6.20
	SDT	24.00	29.00	35.00	40.00	46.00	51.00	56.00	62.00
	KW	1.59	1.83	2.10	2.40	2.75	3.15	3.60	4.12
7	TCG	11.90	11.30	10.70	10.00	9.20	8.50	7.70	7.00
	SDT	25.00	30.00	35.00	41.00	46.00	52.00	57.00	62.00
	KW	1.60	1.84	2.11	2.41	2.76	3.17	3.62	4.14
10	TCG	13.00	12.40	11.70	11.00	10.20	9.40	8.60	7.80
	SDT	25.00	31.00	36.00	41.00	47.00	52.00	58.00	63.00
	KW	1.61	1.86	2.13	2.43	2.78	3.18	3.64	4.16
13	TCG	14.10	13.40	12.70	11.90	11.10	10.30	9.40	8.50
	SDT	26.00	32.00	37.00	42.00	48.00	53.00	58.00	64.00
	KW	1.64	1.88	2.14	2.44	2.79	3.20	3.66	4.18

TCG = Gross Cooling Capacity (x 1000 BTU/hr)  
 SDT = Saturated Temperature Leaving Compressor  
 kW = Outdoor Unit Kilowatts  
 SST = Saturated Temperature Entering Compressor

SST deg °F		CONDENSER ENTERING AIR TEMPERATURES deg °F							
		55	65	75	85	95	105	115	125
<b>R4AE42PZA1</b>									
30	TCG	34.70	32.90	30.90	28.90	26.70	24.40	22.10	19.70
	SDT	71.90	81.60	91.40	101.00	110.60	120.30	129.90	139.70
	KW	1.87	2.12	2.39	2.70	3.06	3.49	4.00	4.62
35	TCG	39.20	37.30	35.20	33.00	30.70	28.30	25.70	23.10
	SDT	73.20	82.90	92.60	102.20	111.80	121.40	131.00	140.70
	KW	1.88	2.13	2.41	2.72	3.08	3.50	4.01	4.62
40	TCG	43.40	41.20	39.00	36.60	34.10	31.50	28.80	26.00
	SDT	74.60	84.20	93.80	103.50	113.00	122.50	132.10	141.60
	KW	1.90	2.15	2.42	2.73	3.09	3.51	4.02	4.61
45	TCG	47.70	45.40	43.00	40.40	37.70	35.00	32.10	29.10
	SDT	76.10	85.60	95.10	104.70	114.20	123.60	133.10	142.60
	KW	1.92	2.16	2.44	2.75	3.10	3.52	4.02	4.61
50	TCG	52.20	49.70	47.10	44.30	41.50	38.50	35.50	32.30
	SDT	77.60	87.00	96.40	106.00	115.40	124.70	134.20	143.50
	KW	1.94	2.18	2.45	2.76	3.12	3.53	4.03	4.61
55	TCG	56.70	54.00	51.10	48.20	45.20	42.10	38.80	35.50
	SDT	79.20	88.50	97.80	107.20	116.60	125.90	135.20	144.50
	KW	1.95	2.20	2.47	2.77	3.13	3.54	4.03	4.61

SST deg °C		CONDENSER ENTERING AIR TEMPERATURES deg °C							
		13	18	24	29	35	41	46	52
<b>R4AE42PZA1</b>									
-1	TCG	10.20	9.60	9.10	8.50	7.80	7.20	6.50	5.80
	SDT	22.00	28.00	33.00	38.00	44.00	49.00	54.00	60.00
	KW	1.87	2.12	2.39	2.70	3.06	3.49	4.00	4.62
2	TCG	11.50	10.90	10.30	9.70	9.00	8.30	7.50	6.80
	SDT	23.00	28.00	34.00	39.00	44.00	50.00	55.00	60.00
	KW	1.88	2.13	2.41	2.72	3.08	3.50	4.01	4.62
4	TCG	12.70	12.10	11.40	10.70	10.00	9.20	8.40	7.60
	SDT	24.00	29.00	34.00	40.00	45.00	50.00	56.00	61.00
	KW	1.90	2.15	2.42	2.73	3.09	3.51	4.02	4.61
7	TCG	14.00	13.30	12.60	11.80	11.10	10.20	9.40	8.50
	SDT	24.00	30.00	35.00	40.00	46.00	51.00	56.00	61.00
	KW	1.92	2.16	2.44	2.75	3.10	3.52	4.02	4.61
10	TCG	15.30	14.60	13.80	13.00	12.20	11.30	10.40	9.50
	SDT	25.00	31.00	36.00	41.00	46.00	52.00	57.00	62.00
	KW	1.94	2.18	2.45	2.76	3.12	3.53	4.03	4.61
13	TCG	16.60	15.80	15.00	14.10	13.20	12.30	11.40	10.40
	SDT	26.00	31.00	37.00	42.00	47.00	52.00	57.00	62.00
	KW	1.95	2.20	2.47	2.77	3.13	3.54	4.03	4.61

TCG = Gross Cooling Capacity (x 1000 BTU/hr)  
 SDT = Saturated Temperature Leaving Compressor  
 kW = Outdoor Unit Kilowatts  
 SST = Saturated Temperature Entering Compressor

SST deg °F		CONDENSER ENTERING AIR TEMPERATURES deg °F							
		55	65	75	85	95	105	115	125
<b>R4AE48PZA1</b>									
30	TCG	44.60	41.00	38.20	35.60	32.90	30.00	26.50	22.60
	SDT	75.70	84.90	94.40	103.90	113.50	122.90	132.10	141.00
	KW	2.23	2.49	2.83	3.23	3.68	4.17	4.67	5.18
35	TCG	49.90	46.20	43.10	40.30	37.50	34.50	30.90	26.90
	SDT	77.20	86.30	95.70	105.20	114.70	124.10	133.40	142.30
	KW	2.26	2.52	2.86	3.26	3.71	4.20	4.72	5.24
40	TCG	54.80	50.70	47.40	44.40	41.40	38.20	34.60	30.50
	SDT	78.80	87.70	97.10	106.50	116.00	125.30	134.60	143.60
	KW	2.29	2.55	2.89	3.29	3.74	4.24	4.76	5.29
45	TCG	59.90	55.50	51.80	48.60	45.50	42.20	38.50	34.30
	SDT	80.50	89.30	98.50	107.90	117.30	126.60	135.80	144.80
	KW	2.33	2.59	2.92	3.32	3.78	4.27	4.80	5.33
50	TCG	65.00	60.40	56.50	53.00	49.70	46.30	42.50	38.20
	SDT	82.20	90.90	100.00	109.30	118.60	128.00	137.10	146.00
	KW	2.37	2.63	2.96	3.36	3.81	4.31	4.83	5.36
55	TCG	70.00	65.20	61.00	57.30	53.90	50.30	46.40	42.10
	SDT	84.00	92.50	101.50	110.80	120.00	129.30	138.40	147.20
	KW	2.42	2.67	3.00	3.40	3.84	4.34	4.86	5.40

SST deg °C		CONDENSER ENTERING AIR TEMPERATURES deg °C							
		13	18	24	29	35	41	46	52
<b>R4AE48PZA1</b>									
-1	TCG	13.10	12.00	11.20	10.40	9.60	8.80	7.80	6.60
	SDT	24.00	29.00	35.00	40.00	45.00	51.00	56.00	61.00
	KW	2.23	2.49	2.83	3.23	3.68	4.17	4.67	5.18
2	TCG	14.60	13.50	12.60	11.80	11.00	10.10	9.10	7.90
	SDT	25.00	30.00	35.00	41.00	46.00	51.00	56.00	61.00
	KW	2.26	2.52	2.86	3.26	3.71	4.20	4.72	5.24
4	TCG	16.10	14.90	13.90	13.00	12.10	11.20	10.10	8.90
	SDT	26.00	31.00	36.00	41.00	47.00	52.00	57.00	62.00
	KW	2.29	2.55	2.89	3.29	3.74	4.24	4.76	5.29
7	TCG	17.50	16.30	15.20	14.20	13.30	12.40	11.30	10.10
	SDT	27.00	32.00	37.00	42.00	47.00	53.00	58.00	63.00
	KW	2.33	2.59	2.92	3.32	3.78	4.27	4.80	5.33
10	TCG	19.00	17.70	16.50	15.50	14.60	13.60	12.40	11.20
	SDT	28.00	33.00	38.00	43.00	48.00	53.00	58.00	63.00
	KW	2.37	2.63	2.96	3.36	3.81	4.31	4.83	5.36
13	TCG	20.50	19.10	17.90	16.80	15.80	14.70	13.60	12.30
	SDT	29.00	34.00	39.00	44.00	49.00	54.00	59.00	64.00
	KW	2.42	2.67	3.00	3.40	3.84	4.34	4.86	5.40

TCG = Gross Cooling Capacity (x 1000 BTU/hr)  
 SDT = Saturated Temperature Leaving Compressor  
 kW = Outdoor Unit Kilowatts  
 SST = Saturated Temperature Entering Compressor

SST deg °F		CONDENSER ENTERING AIR TEMPERATURES deg °F							
		55	65	75	85	95	105	115	125
<b>R4AE60PZA1</b>									
30	TCG	51.30	49.00	46.40	43.40	40.20	36.70	33.00	29.10
	SDT	77.00	86.80	96.30	105.60	114.90	124.10	133.10	142.10
	KW	2.84	3.22	3.60	4.02	4.49	5.00	5.58	6.21
35	TCG	57.90	55.40	52.60	49.40	46.00	42.30	38.40	34.20
	SDT	78.60	88.40	97.90	107.20	116.40	125.50	134.60	143.50
	KW	2.88	3.25	3.63	4.05	4.52	5.03	5.61	6.26
40	TCG	63.40	60.80	57.80	54.40	50.80	46.90	42.80	38.40
	SDT	80.30	90.00	99.50	108.80	117.90	126.90	135.90	144.80
	KW	2.92	3.27	3.66	4.08	4.54	5.06	5.65	6.29
45	TCG	69.30	66.50	63.20	59.70	55.80	51.70	47.30	42.70
	SDT	82.10	91.70	101.10	110.40	119.50	128.40	137.30	146.10
	KW	2.95	3.30	3.69	4.11	4.57	5.09	5.68	6.33
50	TCG	75.40	72.30	68.80	65.00	60.90	56.50	51.90	47.10
	SDT	84.10	93.50	102.80	112.10	121.10	129.90	138.70	147.40
	KW	2.99	3.33	3.71	4.13	4.60	5.11	5.69	6.36
55	TCG	81.50	78.10	74.30	70.20	65.90	61.20	56.40	51.30
	SDT	86.20	95.40	104.60	113.90	122.80	131.50	140.20	148.80
	KW	3.03	3.36	3.73	4.16	4.62	5.14	5.72	6.39

SST deg °C		CONDENSER ENTERING AIR TEMPERATURES deg °C							
		13	18	24	29	35	41	46	52
<b>R4AE60PZA1</b>									
-1	TCG	15.00	14.40	13.60	12.70	11.80	10.80	9.70	8.50
	SDT	25.00	30.00	36.00	41.00	46.00	51.00	56.00	61.00
	KW	2.84	3.22	3.60	4.02	4.49	5.00	5.58	6.21
2	TCG	17.00	16.20	15.40	14.50	13.50	12.40	11.20	10.00
	SDT	26.00	31.00	37.00	42.00	47.00	52.00	57.00	62.00
	KW	2.88	3.25	3.63	4.05	4.52	5.03	5.61	6.26
4	TCG	18.60	17.80	16.90	16.00	14.90	13.70	12.50	11.30
	SDT	27.00	32.00	37.00	43.00	48.00	53.00	58.00	63.00
	KW	2.92	3.27	3.66	4.08	4.54	5.06	5.65	6.29
7	TCG	20.30	19.50	18.50	17.50	16.30	15.10	13.90	12.50
	SDT	28.00	33.00	38.00	44.00	49.00	54.00	59.00	63.00
	KW	2.95	3.30	3.69	4.11	4.57	5.09	5.68	6.33
10	TCG	22.10	21.20	20.20	19.00	17.80	16.50	15.20	13.80
	SDT	29.00	34.00	39.00	45.00	49.00	54.00	59.00	64.00
	KW	2.99	3.33	3.71	4.13	4.60	5.11	5.69	6.36
13	TCG	23.90	22.90	21.80	20.60	19.30	17.90	16.50	15.00
	SDT	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00
	KW	3.03	3.36	3.73	4.16	4.62	5.14	5.72	6.39

TCG = Gross Cooling Capacity (x 1000 BTU/hr)  
 SDT = Saturated Temperature Leaving Compressor  
 kW = Outdoor Unit Kilowatts  
 SST = Saturated Temperature Entering Compressor

## **SYSTEM DESIGN**

1. Intended for outdoor installation with free air inlet and outlet. Outdoor fan external static pressure available is less than 0.01-in. wc.
2. Minimum outdoor operating air temperature without low-ambient operation accessory is 55°F (12.8°C).
3. Maximum outdoor operating air temperature is 125°F (52°C).
4. For reliable operation, unit should be level in all horizontal planes.
5. Maximum elevation of indoor coil above or below base of outdoor unit is: indoor coil above = 80 ft (24.38 m), indoor coil below = 200 ft (60.96 m).
6. For interconnecting refrigerant tube lengths greater than 80 ft (24.38 m) horizontal or 20 ft (6.10 m) vertical differential, consult Residential Split System Long-Line Application Guideline available from equipment distributor.
7. Crankcase heater required when interconnecting refrigerant tube length exceeds 80 ft (24.38 m).
8. If any refrigerant tubing is buried, provide a minimum 6 in (152.4 mm) vertical rise to the valve connections at the unit. Refrigerant tubing lengths up to 36 in (914.4 mm) may be buried without further consideration.
9. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.

<b>OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)</b>											
Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	<b>R</b>	<b>4</b>	<b>A</b>	<b>E</b>	<b>18</b>	<b>P</b>	<b>W</b>	<b>A</b>	<b>1</b>	<b>0</b>	<b>0</b>
Product Family											
2 = R-22											
4 = R-410A <b>REFRIGERANT</b>											
A = Air Conditioner											
H = Heat Pump <b>TYPE</b>											
E = Export <b>IDENTIFIER</b>											
18 = 18,000 BTUH = 1½ tons											
24 = 24,000 BTUH = 2 tons											
30 = 30,000 BTUH = 2½ tons											
36 = 36,000 BTUH = 3 tons											
42 = 42,000 BTUH = 3½ tons											
48 = 48,000 BTUH = 4 tons											
60 = 60,000 BTUH = 5 tons <b>NOMINAL CAPACITY</b>											
P = High and Low Pressure Switches <b>FEATURES</b>											
W = 230-1-50											
Z = 400-3-50 <b>VOLTAGE</b>											
Sales Code											
Engineering Revision											
Extra Digit											
Extra Digit											

<b>ACCESSORIES PART NUMBER IDENTIFICATION GUIDE</b>									
Digit Position:	1	2	3	4	5	6, 7	8, 9	10, 11	
Example Part Number:	<b>N</b>	<b>A</b>	<b>S</b>	<b>A</b>	<b>0</b>	<b>01</b>	<b>01</b>	<b>CH</b>	
N = Non-Branded <b>BRANDING</b>									
A = Accessory <b>PRODUCT GROUP</b>									
S = Split System (AC & HP) <b>KIT USAGE</b>									
A = Original									
B = 2nd Generation <b>MAJOR SERIES</b>									
0 = Generic or Not Applicable									
2 = R-22									
4 = R-410A <b>REFRIGERANT</b>									
Product Identifier Number									
Package Quantity									
Type of Kit (Example: CH = Crankcase Heater)									