

**PA13NA
PA13PA**

**13 SEER Split-System Air Conditioner
With R-410A Refrigerant
Single & Three Phase
1-1/2 To 5 Tons**

Product Data



FEATURES AND BENEFITS

AVAILABLE SIZES:

Nominal sizes are available from 018 through 060 to meet the needs of residential and light commercial applications.

CERTIFICATION:

All models are listed with UL, (U.S. and Canada), ARI, and CEC.

ELECTRICAL RANGE:

Units offered in single phase 208/230v are 018-060, three phase 208/230v in 036, 048 and 060, and three phase 460v in 060.

FAN MOTOR:

The totally enclosed fan motor provides greater reliability under adverse conditions and dependable performance for many years. The permanent split capacitor type motor was designed for optimum efficiency. The motor was then qualified under extreme conditions to help ensure a long, reliable life.

CABINET:

A weather protective cabinet of prepainted steel is protected underneath by a galvanized coating and treated with a layer of zinc phosphate for a finish that will last for many years. All screws on cabinet exterior are coated for a long-lasting, rust-resistant, quality appearance.

UNIT DESIGN:

The copper tube, enhanced sine wave, aluminum fin coil is designed for optimum heat transfer. Vertical air discharge carries sound and hot condenser air up and away from adjacent patio areas and foliage. The base pan is designed for easy removal of water, dirt, and leaves.

COMPRESSOR:

Each compressor is protected with internal temperature- and current-sensitive overloads. An internal pressure relief valve provides high pressure protection to the refrigerant system. For improved serviceability, all models are equipped with a compressor terminal plug.

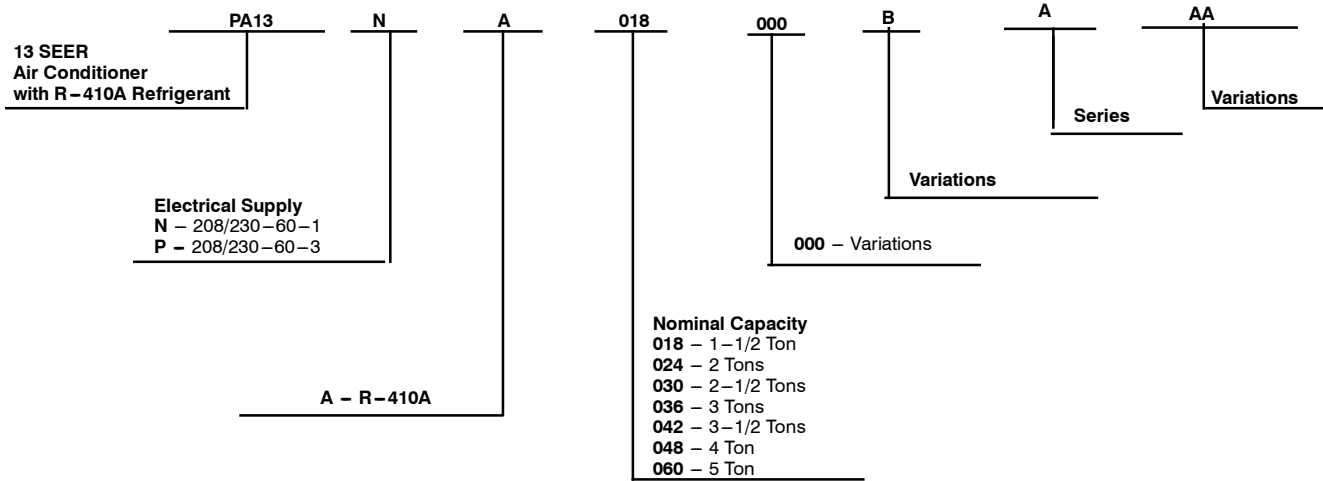
SERVICE VALVES:

Both service valves are brass, front seating type with sweat connections. Valves are externally located so refrigerant tube connections can be made quickly and easily. Each valve has a service port for ease of checking operating refrigerant pressures.

SERVICEABILITY:

One access panel provides access to electrical controls. Removal of top gives access to fan motor, compressor, and condenser coil.

PRODUCT NUMBER NOMENCLATURE



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This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow all manufacturing refrigerant charging and air flow instructions. **Failure to confirm proper charge and air flow may reduce energy efficiency and shorten equipment life.**

SPECIFICATIONS

UNIT SIZE	018	024	030	036	042	048	060
SERIES	B	B	B	B / C	B / C	B / C	B / C
ELECTRICAL							
Unit Volts—Hertz—Phase	208/230—60—1	208/230—60—1	208/230—60—1	208/230—60—3	208/230—60—1	208/230—60—1	208/230—60—3
Operating Voltage Range*	187—253						
Compressor—Rated Load Amps	9.0	13.5	12.8	14.1 / 17.3	17.9 / 21.8	19.9 / 20.5	26.4 / 27.6
Locked Rotor Amps	48.0	58.3	64.0	77.0 / 96.7	112.0 / 105.0	109.0 / 115.0	134.0 / 135.0
Condenser Fan Motor— Full Load Amps	0.5	0.8	0.8	1.4	1.1	1.4	1.4
Min Unit Ampacity for Wire Sizing	11.7	17.6	16.8	17.6 / 23.0	23.5 / 28.4	26.2 / 27.0	34.4 / 35.9
Min Wire Size (60°/75° Copper) AWG**	14	12	12	12	10	8	8
Max Wire Length (60°/75°) ft (m)†	66 / 62 (20.1 / 18.9)	70 / 66 (21.3 / 20.1)	74 / 70 (22.6 / 21.3)	70 / 66 (21.3 / 20.1)	83 / 79 (25.3 / 24.1)	115 / 109 (35.1 / 33.2)	70 / 66 (21.3 / 20.1)
Max Branch Circuit Fuse Size†	20	30	25	30	40	40	25
COMPRESSOR AND REFRIGERANT							
Type	Scroll						
Temperature and Current Protection	Internal Line Break						
R-410A Refrigerant— Amount Lb (kg) @ 15 ft (4.6 m)	3.15 (1.43)	3.15 (1.43)	3.63 (1.65)	4.67 (2.12)	6.20 (2.82) / 6.07 (2.75)	7.67 (3.48) / 7.19 (3.27)	8.00 (3.64) / 8.5 (3.86)
Refrigerant Tubes (In. OD)	7/8 and 3/8						
†† Rated Vapor and Maximum Liquid	7/8 and 3/8						
CONDENSER COIL AND FAN							
Coil Face Area (Sq Ft)	8.4	8.4	9.8	12.60	17.3	21.63	15.14
Fan Motor—HP, Type, and RPM	1/12 PSC and 1100	1/10 PSC and 1100	1/4 PSC and 1100	1/4 PSC and 1100	1/5 PSC and 1100	1/4 PSC and 1100	1/4 PSC and 1100
Volts—Hertz—Phase	208/230—60—1						
Condenser Airflow (CFM)	1700	2000	2000	2500	3000	3400	3400
OPTIONAL EQUIPMENT							
Cycle Protector	KSACY0101AAA						
Start Assist—PTC Type	KAACS0201PTC						
Start Assist—Capacitor/Relay Type	KSAHS1501AAA						
MotorMaster® Control	KSAHS1701AAA						
Ball Bearing Fan Motor (RCD)	HC32GE234	HC34GE239	HC34GE232	HC38GE219	HC38GE219	HC40GE226	HC40GE226
Low—Pressure Switch	KAALP0401PUR						
High—Pressure Switch	KAAH10501PUR						
Compressor Sound Hood	KSASH1801COP						
Time—Delay Relay	KAATD0101TDR						
Low—Ambient Pressure Switch Kit	KSALA0301410						
Winter Start Control	KAAWS0101AAA						
Evaporator Freeze Thermostat	KAAFT0101AAA						
Compressor Crankcase Heater	KAAACH1401AAA						
Liquid Line Solenoid Valve††	KAAACH1401AAA						
TXV (Hard Shutoff)††	KSATX0201PUR	KSATX0301PUR	KSATX0301PUR	KSATX0301PUR	KSATX0401PUR	KSATX0501PUR	KSATX0501PUR
Standard Thermostat, Manual Changeover, Non—Programmable, °F/°C, 1—Stage Heat, 1—Stage Cool	TSTATPPBAC01						
Thermostat, Auto Changeover, 7—Day Programmable, °F/°C, 1—Stage Heat, 1—Stage Cool	TSTATPPAC01						
Outdoor Sensor	TSTATXXSEN01—B						
Liquid Line Filter Drier	KH43LG073						
Backplate for Standard Thermostat	TSTATXXBBP01						
Backplate for Programmable Thermostat	TSTATXXBP01						

N/A — Not applicable in this application.

* Permissible limits of the voltage range at which unit will operate satisfactorily. Operation outside these limits may result in unit failure.

† Time—delay fuse or circuit breaker.

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

** 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.

†† Do not use hard shutoff TXV with liquid solenoid valve.

‡‡ Units are rated with 25 ft (7.6 m) of inerset length. See Vapor Line Sizing and Cooling Capacity Loss table when using other sizes and lengths of lineset.



DIMENSIONS - SERIES B - ENGLISH

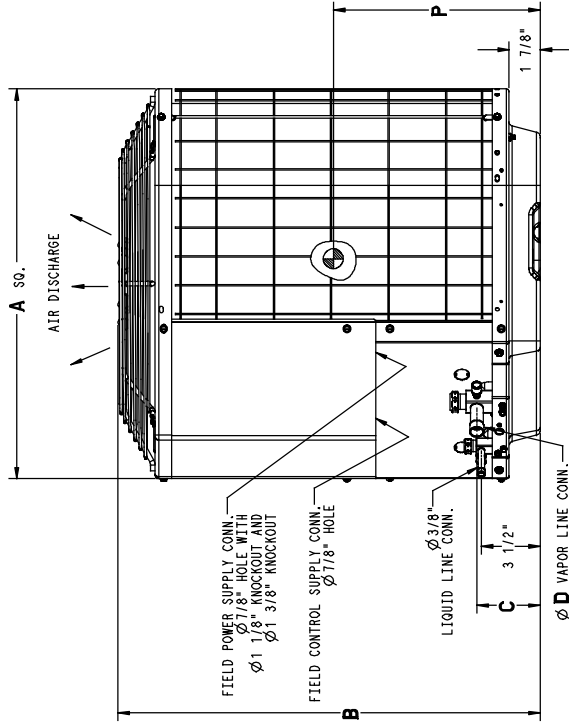
UNIT	SERIES	ELECTRICAL CHARACTERISTICS	A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT	SHIPPING WEIGHT	SHIPPING DIMENSIONS (L x W x H)
PA13NA018	B	X 0 0	23 1/8"	24 13/16"	3 3/4"	3/4"	4 7/16"	18 1/16"	7 13/16"	5/16"	3"	2 13/16"	1/2"	12"	11 3/4"	11 7/8"	104#	120#	24 1/8" X 24 1/8" X 27 3/16"
PA13NA024	B	X 0 0	23 1/8"	24 13/16"	3 3/4"	3/4"	4 7/16"	18 1/16"	7 13/16"	5/16"	3"	2 13/16"	1/2"	12"	11 3/4"	11 7/8"	107#	123#	24 1/8" X 24 1/8" X 27 3/16"
PA13NA030	B	X 0 0	23 1/8"	28 7/16"	3 3/4"	3/4"	4 7/16"	18 1/16"	7 13/16"	5/16"	3"	2 13/16"	1/2"	12"	11 3/4"	12 7/8"	110#	126#	24 1/8" X 24 1/8" X 30 5/8"
PA13NA036	B	X 0 0	23 1/8"	35 3/16"	3 7/8"	7/8"	4 7/16"	18 1/16"	7 13/16"	5/16"	3"	2 13/16"	1/2"	12"	11 3/4"	13 3/4"	122#	139#	24 1/8" X 24 1/8" X 31 7/16"
PA13NA042	B	X 0 0	31 3/16"	31 13/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	16"	15 1/2"	13 3/4"	164#	187#	32 3/16" X 32 3/16" X 34"
PA13NA048	B	X 0 0	31 3/16"	38 5/8"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	16"	15 1/2"	15 1/2"	181#	206#	32 3/16" X 32 3/16" X 40 13/16"
PA13NA060	B	X 0 0	31 3/16"	28 7/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	16"	15 1/2"	12 3/4"	190#	216#	32 3/16" X 32 3/16" X 30 5/8"
PA13PA036	B	0 0 X	23 1/8"	35 3/16"	3 7/8"	7/8"	4 7/16"	18 1/16"	7 13/16"	5/16"	3"	2 13/16"	1/2"	12"	11 3/4"	13 3/4"	122#	139#	24 1/8" X 24 1/8" X 31 7/16"
PA13PA048	B	0 0 X	31 3/16"	38 5/8"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	16"	15 1/2"	15 1/2"	181#	206#	32 3/16" X 32 3/16" X 40 13/16"
PA13PA060	B	0 0 X	31 3/16"	28 7/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	16"	15 1/2"	12 3/4"	190#	216#	32 3/16" X 32 3/16" X 30 5/8"

208-230-160	230-160	208/230-360	460-360
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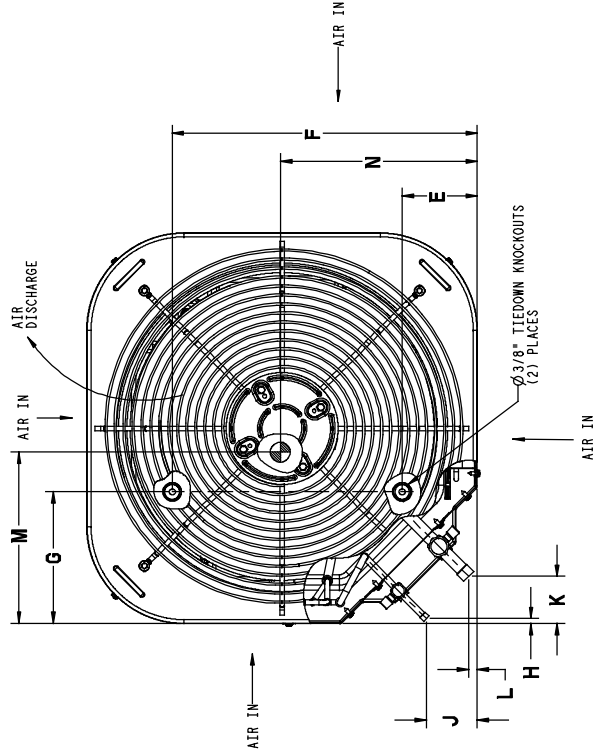
X = YES
O = NO

NOTES:

- ALLOW 30" CLEARANCE TO SERVICE SIDE OF UNIT. 48" ABOVE UNIT 6" ON ONE SIDE, 12" ON REMAINING SIDE, AND 24" BETWEEN UNITS FOR PROPER AIRFLOW.
- MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 55°F. MAX. 125°F.
- SERIES DESIGNATION IS THE 14TH POSITION OF THE UNIT MODEL NUMBER.
- CENTER OF GRAVITY



UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18, 24, 30, 36	23 1/2" X 23 1/2"
--	26" X 26"
42, 48, 60	31 1/2" X 31 1/2"
--	35" X 35"



DIMENSIONS - SERIES B - SI

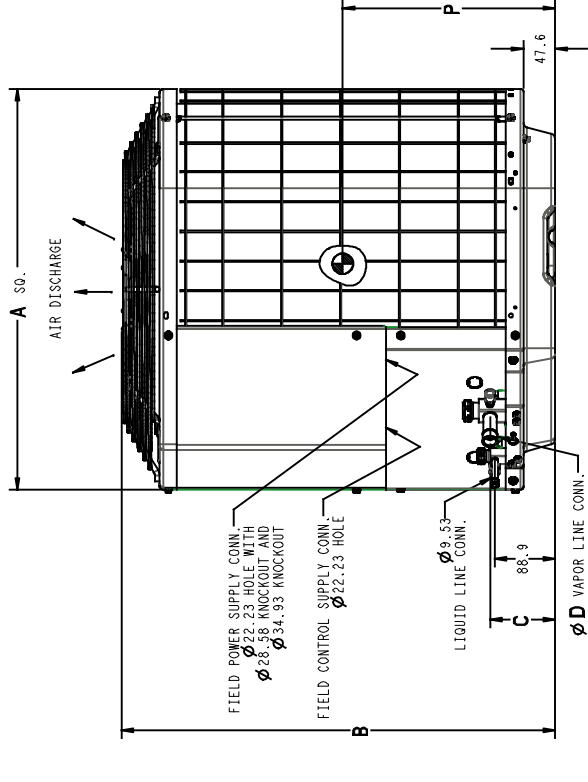
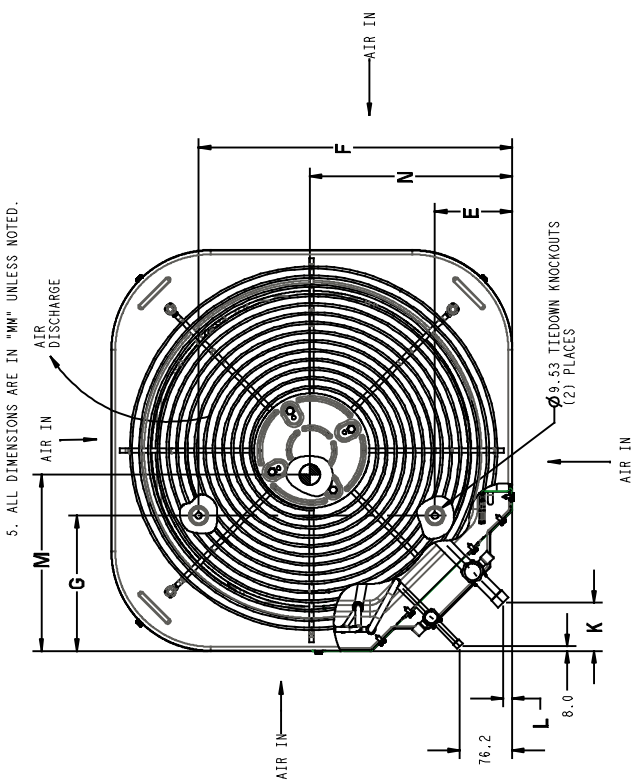
UNIT	SERIES	ELECTRICAL CHARACTERISTICS	A	B	C	D	E	F	G	K	L	M	N	P	OPERATING WEIGHT (KGS)/WEIGHT (KGS)	SHIPPING DIMENSIONS (L x W x H)
PA13NA018	B	X 0 0 0	587.4	630.2	95.2	19.0	112.7	458.8	198.4	71.4	12.7	304.8	298.4	301.6	47.2	612.8 X 612.8 X 690.6
PA13NA024	B	X 0 0 0	587.4	630.2	95.2	19.0	112.7	458.8	198.4	71.4	12.7	304.8	298.4	301.6	48.5	612.8 X 612.8 X 690.6
PA13NA030	B	X 0 0 0	587.4	722.3	95.2	19.0	112.7	458.8	198.4	71.4	12.7	304.8	298.4	317.5	51.2	612.8 X 612.8 X 771.9
PA13NA036	B	X 0 0 0	587.4	893.8	98.4	22.2	112.7	458.8	198.4	71.4	12.7	304.8	298.4	349.2	55.3	612.8 X 612.8 X 950.9
PA13NA042	B	X 0 0 0	792.2	808.0	98.4	22.2	166.7	627.1	231.8	74.6	15.9	406.4	393.7	349.2	74.4	817.6 X 817.6 X 863.6
PA13NA048	B	X 0 0 0	792.2	981.1	98.4	22.2	166.7	627.1	231.8	74.6	15.9	406.4	393.7	393.7	82.1	817.6 X 817.6 X 1036.6
PA13NA060	B	X 0 0 0	792.2	722.3	98.4	22.2	166.7	627.1	231.8	74.6	15.9	406.4	393.7	323.8	86.2	817.6 X 817.6 X 771.9
PA13PA036	B	0 0 0 X	587.4	893.8	98.4	22.2	112.7	458.8	198.4	71.4	12.7	304.8	298.4	349.2	55.3	612.8 X 612.8 X 950.9
PA13PA048	B	0 0 0 X	792.2	981.1	98.4	22.2	166.7	627.1	231.8	74.6	15.9	406.4	393.7	393.7	82.1	817.6 X 817.6 X 1036.6
PA13PA060	B	0 0 0 X	792.2	722.3	98.4	22.2	166.7	627.1	231.8	74.6	15.9	406.4	393.7	323.8	86.2	817.6 X 817.6 X 771.9

208-230-160	230-160	208/230-3-60	460-3-60
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X = YES
0 = NO

NOTES:

- ALLOW 762.0 CLEARANCE TO SERVICE SIDE OF UNIT.
1219.2 ABOVE UNIT, 152.4 ON ONE SIDE, 304.8 ON REMAINING SIDE, AND 609.6 BETWEEN UNITS FOR PROPER AIRFLOW.
- MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 13°C, MAX. 52°C.
- SERIES DESIGNATION IS THE 14TH POSITION OF THE UNIT MODEL NUMBER.
- CENTER OF GRAVITY
- ALL DIMENSIONS ARE IN "MM" UNLESS NOTED.




UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18.24, 30, 36	596.9 X 596.9
---	660.4 X 660.4
42.48, 60	800.1 X 800.1
---	889.0 X 889.0

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DIMENSIONS - SERIES C - ENGLISH

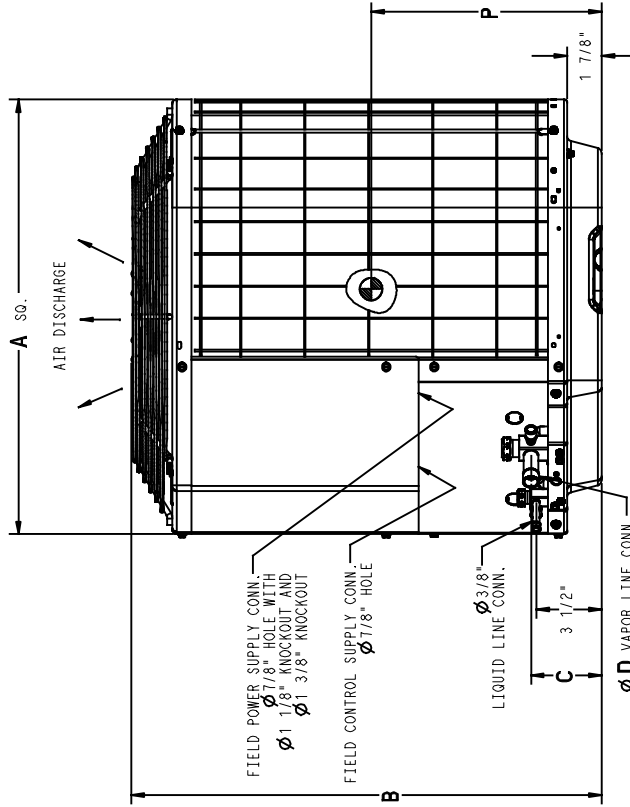
UNIT	SERIES	ELECTRICAL CHARACTERISTICS	A	B	C	D	E	F	G	K	L	M	N	P	OPERATING WEIGHT (LBS/WEIGHT (LBS)	SHIPPING DIMENSIONS (L x W x H)
PA13NA036	C	X 0 0	23 1/8"	35 3/16"	3 7/8"	7/8"	4 7/16"	18 1/16"	7 13/16"	2 13/16"	1/2"	12"	11 3/4"	13 3/4"	122	24 1/8" X 24 1/8" X 37 7/16"
PA13NA042	C	X 0 0	31 3/16"	31 13/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	16"	15 1/2"	13 3/4"	164	32 3/16" X 32 3/16" X 34"
PA13NA048	C	X 0 0	31 3/16"	35 3/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	16"	15 1/2"	14 1/2"	201	32 3/16" X 32 3/16" X 37 7/16"
PA13NA060	C	X 0 0	31 3/16"	28 7/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	16"	15 1/2"	14 1/2"	190	32 3/16" X 32 3/16" X 30 5/8"

NOTES:

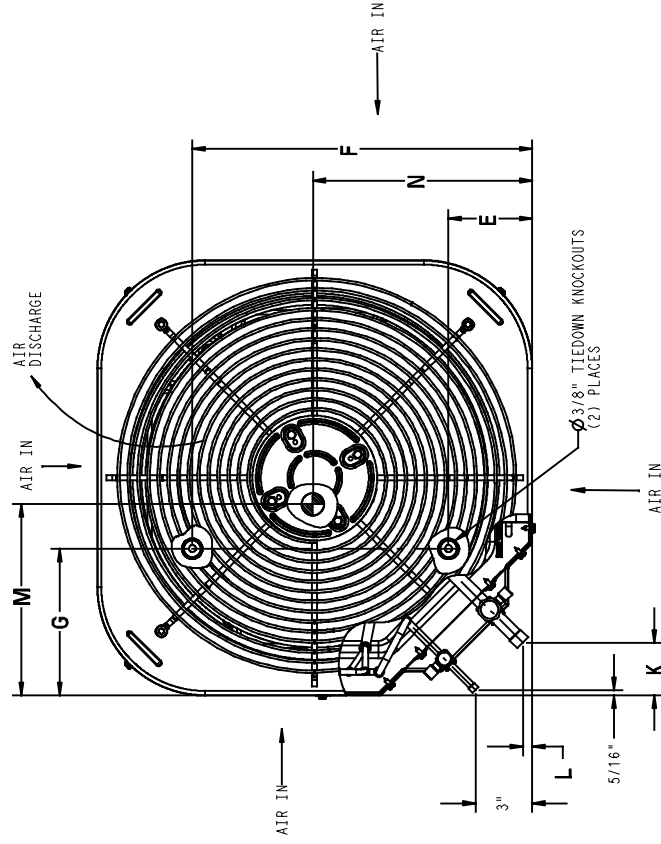
1. ALLOW 30" CLEARANCE TO SERVICE SIDE OF UNIT, 48" ABOVE UNIT, 6" ON ONE SIDE, 12" ON REMAINING SIDE, AND 24" BETWEEN UNITS FOR PROPER AIRFLOW.
2. MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 55°F, MAX. 125°F.
3. SERIES DESIGNATION IS THE 14TH POSITION OF THE UNIT MODEL NUMBER.
4. CENTER OF GRAVITY 
5. ALL DIMENSIONS ARE IN "INCHES" UNLESS NOTED.

X = YES
O = NO

208-230-1-60	230-1-60	208/230-3-60	460-3-60
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UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
36	23 1/2" X 23 1/2"
-	26" X 26"
42, 48, 60	31 1/2" X 31 1/2"
-	35" X 35"



DIMENSIONS - SERIES C - SI

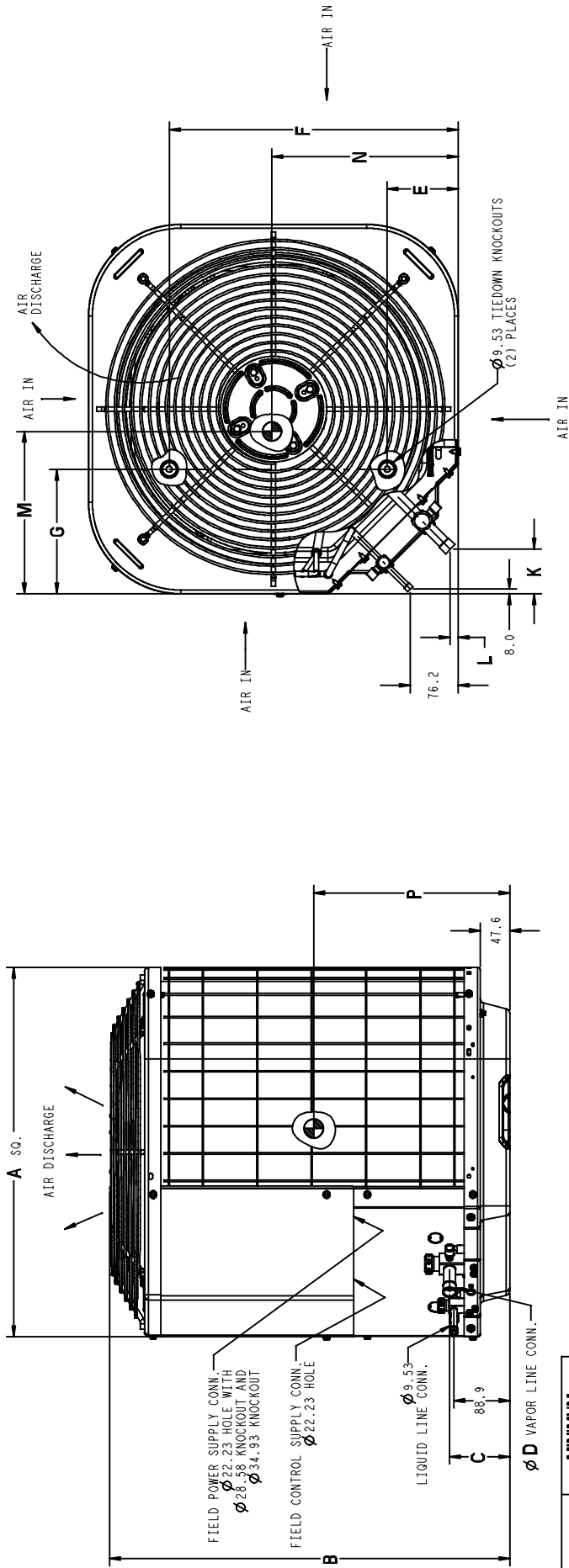
UNIT	SERIES	ELECTRICAL CHARACTERISTICS	A	B	C	D	E	F	G	K	L	M	N	P	OPERATING WEIGHT (Kgs)	SHIPPING WEIGHT (Kgs)	SHIPPING DIMENSIONS (L x W x H)
PA13NA036	C	X 0 0 0	587.4	893.8	98.4	22.2	112.7	458.8	198.4	71.4	12.7	304.8	298.5	349.3	55.3	63.0	612.8 X 612.8 X 950.9
PA13NA042	C	X 0 0 0	792.2	808.0	98.4	22.2	166.7	627.1	231.8	74.6	15.9	406.4	393.7	349.3	74.4	84.8	817.6 X 817.6 X 863.6
PA13NA048	C	X 0 0 0	792.2	893.8	98.4	22.2	166.7	627.1	231.8	74.6	15.9	406.4	393.7	368.3	79.8	91.2	817.6 X 817.6 X 950.9
PA13NA060	C	X 0 0 0	792.2	722.3	98.4	22.2	166.7	627.1	231.8	74.6	15.9	406.4	393.7	368.3	86.2	98.0	817.6 X 817.6 X 777.9

NOTES:

- ALLOW 762.0 CLEARANCE TO SERVICE SIDE OF UNIT, 1219.2 ABOVE UNIT, 152.4 ON ONE SIDE, 304.8 ON REMAINING SIDE, AND 609.6 BETWEEN UNITS FOR PROPER AIRFLOW.
- MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 13°C, MAX. 52°C.
- SERIES DESIGNATION IS THE 14TH POSITION OF THE UNIT MODEL NUMBER.
- CENTER OF GRAVITY 
- ALL DIMENSIONS ARE IN "MM" UNLESS NOTED.

208-230-160	230-160	208/230-360	460-3-60
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X = YES
0 = NO



UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
36	596.9 X 596.9
-	660.4 X 660.4
42, 48, 60	800.1 X 800.1
-	889.0 X 889.0

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REFRIGERANT CHARGE ADJUSTMENTS

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

Units are factory charged for 15 ft (4.6 m) of 3/8" liquid line. The factory charge for 3/8" lineset 9 oz. 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.

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.

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

VAPOR LINE SIZING AND COOLING CAPACITY LOSS

Acceptable vapor line diameters provide adequate oil return to the compressor while avoiding excessive capacity loss. The suction line diameters shown in the chart below are acceptable for AC systems with R-410A refrigerant:

Unit Nominal Size (Btuh)	Maximum Liquid Line Diameters (In. OD)	Vapor Line Diameters (In. OD)	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)
18000 1 Stage AC with R-410A	3/8	1/2	1	2	3	5	6	7	8	9	11
		5/8	0	1	1	1	2	2	2	3	3
		3/4	0	0	0	0	1	1	1	1	1
24000 1 Stage AC with R-410A	3/8	5/8	0	1	2	2	3	3	4	5	5
		3/4	0	0	1	1	1	1	1	2	2
		7/8	0	0	0	0	0	1	1	1	1
30000 1 Stage AC with R-410A	3/8	5/8	1	2	3	3	4	5	6	7	8
		3/4	0	0	1	1	1	2	2	2	3
		7/8	0	0	0	0	1	1	1	1	1
36000 1 Stage AC with R-410A	3/8	5/8	1	2	4	5	6	8	9	10	12
		3/4	0	1	1	2	2	3	3	4	4
		7/8	0	0	0	1	1	1	1	2	2
42000 1 Stage AC with R-410A	3/8	3/4	0	1	2	2	3	4	4	5	6
		7/8	0	0	1	1	1	2	2	2	3
		1 1/8	0	0	0	0	0	0	0	0	0
48000 1 Stage AC with R-410A	3/8	3/4	0	1	2	3	4	5	5	6	7
		7/8	0	0	1	1	2	2	2	3	3
		1 1/8	0	0	0	0	0	0	0	1	1
60000 1 Stage AC with R-410A	3/8	3/4	1	2	4	5	6	7	9	10	11
		7/8	0	1	2	2	3	4	4	5	5
		1 1/8	0	0	0	1	1	1	1	1	1

Applications in this area may be long line and may have height restrictions. See the *Residential Piping and Long Line Guideline*.

A-WEIGHTED SOUND POWER (dBA)

UNIT SIZE – SERIES	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018–B	76	49.5	59.0	63.0	66.5	62.5	58.5	54.0
024–B	76	50.5	61.0	67.0	68.0	65.0	60.0	55.5
030–B	76	52.0	59.5	65.0	65.0	62.0	58.5	50.5
036–B, C	77	61.5	63.5	68.5	72.0	68.5	63.0	56.5
042–B, C	80	56.0	64.5	69.5	71.0	66.0	64.0	59.0
048–B, C	80	57.5	65.5	70.5	72.0	68.5	67.0	61.5
060–B, C	80	59.5	69.5	72.5	73.5	71.0	68.0	63.5

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

METERING DEVICE

UNIT SIZE – SERIES	INDOOR	REQUIRED SUBCOOLING °F (°C)
018	TXV*	1(5.6)
024		
030		
036		
042		
048		
060		

* TXV must be ordered separately when indoor coil is not equipped with a TXV. TXV must be hard-shutoff type.

PA13NA / PA13PA

ACCESSORY USAGE GUIDELINE

ACCESSORY	REQUIRED FOR LOW AMBIENT COOLING APPLICATIONS (Below 55°F / 22.8°C)	REQUIRED FOR LONG LINE APPLICATIONS* (Over 80 Ft./24.4 m)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles/3.2 km)
Ball Bearing Fan Motor	Yes†	No	No
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Hard Shut-Off TXV	Yes	Yes	Yes
Liquid Line Solenoid Valve	No	See Long-Line Application Guideline	No
Low Ambient Kit (Pressure Switch)	Yes	No	No
Support Feet	Recommended	No	Recommended
Winter Start Control	Yes	No	No

* For tubing line sets between 80 and 200 ft. (24.4 and 76.2 m) and/or 20 ft. (6.1 m) vertical differential, refer to Residential Split-System Longline Application Guideline.

† Required for Low Ambient Controller (full modulation feature) and MotorMaster® Control only.

Accessory Description and Usage (Listed Alphabetically)

1. Compressor Start Assist - Capacitor and Relay

Start capacitor and relay gives a "hard" boost to compressor motor at each start up.

Usage Guideline:

Required for reciprocating compressors in the following applications:

- Long line
- Low ambient cooling
- Hard shut off expansion valve on indoor coil
- Liquid line solenoid on indoor coil

Required for single-phase scroll compressors in the following applications:

- Long line
- Low ambient cooling

Suggested for all compressors in areas with a history of low voltage problems.

2. Compressor Start Assist — PTC Type

Solid state electrical device which gives a "soft" boost to the compressor at each start-up.

Usage Guideline:

Suggested in installations with marginal power supply.

3. Crankcase Heater

An electric resistance heater which mounts to the base of the compressor to keep the lubricant warm during off cycles. Improves compressor lubrication on restart and minimizes the chance of liquid slugging.

Usage Guideline:

Required in low ambient cooling applications.

Required in long line applications.

4. Cycle Protector

The cycle protector is designed to prevent compressor short cycling. This control provides an approximate 5-minute delay after power to the compressor has been interrupted for any reason, including power outage, protector control trip, thermostat jiggling, or normal cycling.

Suggested in all commercial applications.

5. Evaporator Freeze Thermostat

An SPST temperature actuated switch that stops unit operation when evaporator reaches freeze-up conditions.

Usage Guideline:

Required when low ambient kit has been added.

6. Low Ambient Pressure Switch Kit

A long life pressure switch which is mounted to outdoor unit service valve. It is designed to cycle the outdoor fan motor in order to maintain head pressure within normal operating limits (approximately 100 psig to 225 psig). The control will maintain working head pressure at low ambient temperatures down to 0°F/-17.8°C when properly installed.

Usage Guideline:

A Low Ambient Pressure Switch or MotorMaster® Low Ambient Controller must be used when cooling operation is used at outdoor temperatures below 55°F (12.8°C).

Suggested for all commercial applications.

7. Support Feet

Four stick-on plastic feet that raise the unit 4 in. (101.6 mm) above the mounting pad. This allows sand, dirt, and other debris to be flushed from the unit base, minimizing corrosion.

Usage Guideline:

Suggested in the following applications:

- Coastal installations.
- Windy areas or where debris is normally circulating.
- Rooftop installations.
- For improved sound ratings.

8. Thermostatic Expansion Valve (TXV)

A modulating flow-control valve which meters refrigerant liquid flow rate into the evaporator in response to the superheat of the refrigerant gas leaving the evaporator.

Kit includes valve, adapter tubes, and external equalizer tube. Hard shut off types are available.

NOTE: When using a hard shut off TXV with single phase reciprocating compressors, a Compressor Start Assist Capacitor and Relay is required.

Usage Guideline:

Required to achieve ARI ratings in certain equipment combinations. Refer to combination ratings.

Hard shut off TXV or LLS required in air conditioner long line applications.

Required for use on all zoning systems.

9. Winter Start Control

This control is designed to alleviate nuisance opening of the low-pressure switch by bypassing it for the first 3 minutes of operation.

RATINGS AND PERFORMANCE

UNIT SIZE – SERIES	INDOOR MODEL	ARI STANDARD RATINGS					FURNACE MODEL	
		CAPACITY	FACTORY ENHANCE	COOLING		EER		
				STANDARD	SEER			TDR†
PA13NA018 – B	*CAP**1814A**	17,200	TXV			13.00	10.90	
	CAP**1814A**	17,200	TDR&TXV	14.00			12.00	PG8*EA024045
	CAP**2414A**	17,200	TDR&TXV	14.50			12.00	PG8*EA024045
	CAP**2414A**	17,200	TXV			13.00	11.00	
	CAP**2417A**	17,200	TDR&TXV	14.50			12.00	PG9MXA036060
	CAP**2417A**	17,200	TXV			13.00	10.90	
	CNPF*2418A**	17,200	TXV			13.00	11.00	
	CNPH*2417A**	17,200	TDR&TXV	14.50			12.00	PG8*EA024045
	CNPH*2417A**	17,200	TDR&TXV	14.50			12.00	PG9MXA036060
	CNPH*2417A**	17,200	TXV			13.00	11.00	
	CNPV*1814A**	17,200	TDR&TXV	14.00			12.00	PG8*EA024045
	CNPV*1814A**	17,200	TXV			13.00	10.90	
	CNPV*2414A**	17,200	TDR&TXV	14.50			12.00	PG8*EA024045
	CNPV*2414A**	17,200	TXV			13.00	10.90	
	CNPV*2417A**	17,200	TDR&TXV	14.50			12.00	PG9MXA036060
	CNPV*2417A**	17,200	TXV			13.00	11.00	
	CSPH*2412A**	17,200	TDR&TXV	14.50			12.00	PG8*EA024045
	CSPH*2412A**	17,200	TDR&TXV	14.50			12.00	PG9MXA036060
	CSPH*2412A**	17,200	TXV			13.00	11.00	
	FF1ENP018	17,200	TDR&TXV	13.00			10.90	
	FF1ENP024	17,200	TDR&TXV	13.00			10.90	
	PF4MNA018	17,200	TDR&TXV	13.00			10.90	
	PF4MNA019	17,200	TDR&TXV	14.00			12.00	
	PF4MNA024	17,200	TDR&TXV	13.00			10.90	
	PF4MNA025	17,200	TDR&TXV	14.50			12.00	
PA13NA024 – B	*CAP**2414A**	23,000	TXV			13.00	11.00	
	CAP**2414A**	23,000	TDR&TXV	14.00			12.00	PG8*EA024045
	CAP**2417A**	23,000	TDR&TXV	14.00			12.00	PG9MXA036080
	CAP**2417A**	23,000	TDR&TXV	14.00			12.00	PG9MXA036060
	CAP**2417A**	23,000	TXV			13.00	11.00	
	CAP**3014A**	23,000	TDR&TXV	14.00			12.00	PG8*EA024045
	CAP**3014A**	23,000	TXV			13.00	11.00	
	CAP**3017A**	23,000	TDR&TXV	14.00			12.00	PG9MXA036080
	CAP**3017A**	23,000	TDR&TXV	14.00			12.00	PG9MXA036060
	CAP**3017A**	23,000	TXV			13.00	11.00	
	CNPF*2418A**	23,000	TXV			13.00	11.00	
	CNPH*2417A**	23,000	TDR&TXV	14.00			11.50	PG9MXA036080
	CNPH*2417A**	23,000	TDR&TXV	14.00			11.50	PG8*EA024045
	CNPH*2417A**	23,000	TDR&TXV	14.00			11.50	PG9MXA036060
	CNPH*2417A**	23,000	TXV			13.00	11.00	
	CNPH*3017A**	23,000	TDR&TXV	14.00			12.00	PG9MXA036080
	CNPH*3017A**	23,000	TDR&TXV	14.00			12.00	PG8*EA024045
	CNPH*3017A**	23,000	TDR&TXV	14.00			12.00	PG9MXA036060
	CNPH*3017A**	23,000	TXV			13.00	11.00	
	CNPV*2414A**	23,000	TDR&TXV	13.50			11.50	PG8*EA024045
	CNPV*2414A**	23,000	TXV			13.00	11.00	
	CNPV*2417A**	23,000	TDR&TXV	14.00			11.50	PG9MXA036080
	CNPV*2417A**	23,000	TDR&TXV	14.00			11.50	PG9MXA036060
	CNPV*2417A**	23,000	TXV			13.00	11.00	
	CNPV*3014A**	23,000	TDR&TXV	14.00			12.00	PG8*EA024045
	CNPV*3014A**	23,000	TXV			13.00	11.00	
	CNPV*3017A**	23,000	TDR&TXV	14.00			12.00	PG9MXA036080
	CNPV*3017A**	23,000	TDR&TXV	14.00			12.00	PG9MXA036060
	CNPV*3017A**	23,000	TXV			13.00	11.00	
	CSPH*2412A**	23,000	TDR&TXV	14.00			11.50	PG9MXA036080
	CSPH*2412A**	23,000	TDR&TXV	14.00			12.00	PG8*EA024045
	CSPH*2412A**	23,000	TDR&TXV	14.00			11.50	PG9MXA036060
	CSPH*2412A**	23,000	TXV			13.00	11.00	
	CSPH*3012A**	23,000	TDR&TXV	14.00			12.00	PG9MXA036080
	CSPH*3012A**	23,000	TDR&TXV	14.00			12.00	PG8*EA024045
CSPH*3012A**	23,000	TDR&TXV	14.00			12.00	PG9MXA036060	
CSPH*3012A**	23,000	TXV			13.00	11.00		
FF1ENP024	23,000	TDR&TXV	13.00			10.90		
FF1ENP030	23,000	TDR&TXV	13.00			10.90		
PF4MNA024	23,000	TDR&TXV	13.00			11.00		
PF4MNA025	23,000	TDR&TXV	13.50			11.50		
PF4MNA030	23,000	TDR&TXV	13.00			11.00		
PF4MNA031	23,000	TDR&TXV	14.00			12.00		
PA13NA030 – B	*CAP**3014A**	27,200	TXV			13.00	10.80	
	CAP**3017A**	27,200	TDR&TXV	14.00			11.50	PG9MXA036080
	CAP**3017A**	27,200	TDR&TXV	13.50			11.50	PG8*EA048070
	CAP**3017A**	27,200	TDR&TXV	14.00			11.50	PG9MXA036060
	CAP**3017A**	27,200	TDR&TXV	14.00			11.50	PG9MXA048080
	CAP**3017A**	27,200	TXV			13.00	10.80	
	CAP**3614A**	27,200	TXV			13.00	10.80	
	CAP**3617A**	27,200	TDR&TXV	14.00			12.00	PG9MXA036080
	CAP**3617A**	27,200	TDR&TXV	13.50			11.50	PG8*EA048070

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RATINGS AND PERFORMANCE CONTINUED

UNIT SIZE – SERIES	INDOOR MODEL	ARI STANDARD RATINGS					FURNACE MODEL
		CAPACITY	FACTORY ENHANCE	COOLING		EER	
				STANDARD	TDR†		
PA13NA030 – B	CAP**3617A**	27,200	TDR&TXV	14.00		12.00	PG9MXA036060
	CAP**3617A**	27,200	TDR&TXV	14.00		11.50	PG9MXA048080
	CAP**3617A**	27,200	TXV		13.00	10.80	
	CAP**3621A**	27,200	TDR&TXV	14.00		12.00	PG8*EA048090
	CAP**3621A**	27,200	TXV		13.00	10.80	
	CNPF*3618A**	27,200	TXV		13.00	10.80	
	CNPH*3017A**	27,200	TDR&TXV	14.00		12.00	PG9MXA036080
	CNPH*3017A**	27,200	TDR&TXV	13.50		11.50	PG8*EA048070
	CNPH*3017A**	27,200	TDR&TXV	13.50		11.50	PG8*EA048090
	CNPH*3017A**	27,200	TDR&TXV	14.00		11.50	PG9MXA036060
	CNPH*3017A**	27,200	TDR&TXV	14.00		11.50	PG9MXA048080
	CNPH*3017A**	27,200	TXV		13.00	10.80	
	CNPH*3617A**	27,200	TDR&TXV	14.00		12.00	PG9MXA036080
	CNPH*3617A**	27,200	TDR&TXV	13.50		11.50	PG8*EA048070
	CNPH*3617A**	27,200	TDR&TXV	14.00		11.50	PG8*EA048090
	CNPH*3617A**	27,200	TDR&TXV	14.00		11.50	PG9MXA036060
	CNPH*3617A**	27,200	TDR&TXV	14.00		11.50	PG9MXA048080
	CNPH*3617A**	27,200	TXV		13.00	10.80	
	CNPV*3014A**	27,200	TXV		13.00	10.80	
	CNPV*3017A**	27,200	TDR&TXV	14.00		12.00	PG9MXA036080
	CNPV*3017A**	27,200	TDR&TXV	13.50		11.50	PG8*EA048070
	CNPV*3017A**	27,200	TDR&TXV	14.00		11.50	PG9MXA036060
	CNPV*3017A**	27,200	TDR&TXV	14.00		11.50	PG9MXA048080
	CNPV*3017A**	27,200	TXV		13.00	10.80	
	CNPV*3617A**	27,200	TDR&TXV	14.00		12.00	PG9MXA036080
	CNPV*3617A**	27,200	TDR&TXV	13.50		11.50	PG8*EA048070
	CNPV*3617A**	27,200	TDR&TXV	14.00		11.50	PG9MXA036060
	CNPV*3617A**	27,200	TDR&TXV	14.00		11.50	PG9MXA048080
	CNPV*3617A**	27,200	TXV		13.00	10.80	
	CNPV*3621A**	27,200	TDR&TXV	14.00		11.50	PG8*EA048090
	CNPV*3621A**	27,200	TXV		13.00	10.80	
	CSPH*3012A**	27,200	TDR&TXV	14.00		11.50	PG9MXA036080
	CSPH*3012A**	27,200	TDR&TXV	13.50		11.50	PG8*EA048070
	CSPH*3012A**	27,200	TDR&TXV	13.50		11.50	PG8*EA048090
	CSPH*3012A**	27,200	TDR&TXV	14.00		11.50	PG9MXA036060
	CSPH*3012A**	27,200	TDR&TXV	14.00		11.50	PG9MXA048080
	CSPH*3012A**	27,200	TXV		13.00	10.80	
	CSPH*3612A**	27,200	TDR&TXV	14.50		12.00	PG9MXA036080
	CSPH*3612A**	27,200	TDR&TXV	13.50		11.50	PG8*EA048070
	CSPH*3612A**	27,200	TDR&TXV	14.00		12.00	PG8*EA048090
	CSPH*3612A**	27,200	TDR&TXV	14.50		12.00	PG9MXA036060
	CSPH*3612A**	27,200	TDR&TXV	14.00		12.00	PG9MXA048080
	CSPH*3612A**	27,200	TXV		13.00	10.80	
	FF1ENP030	27,200	TDR&TXV	13.00		10.80	
	FF1ENP036	27,200	TDR&TXV	13.00		11.00	
	PF4MNA030	27,200	TDR&TXV	13.00		10.80	
	PF4MNA031	27,200	TDR&TXV	13.50		11.50	
	PF4MNA036	27,200	TDR&TXV	13.00		10.80	
	PF4MNA037	27,200	TDR&TXV	13.50		11.00	
	*CAP**4821A**	34,000	TXV		13.00	11.00	
CAP**4221A**	33,400	TDR&TXV	13.50		11.50	PG8*EA048090	
CAP**4221A**	33,400	TDR&TXV	13.50		11.50	PG8*EA060110	
CAP**4221A**	33,000	TDR&TXV	14.00		11.50	PG9MXA060100	
CAP**4224A**	33,400	TDR&TXV	13.50		11.50	PG8*EA060135	
CAP**4224A**	33,000	TDR&TXV	14.00		12.00	PG9MXA060120	
CAP**4817A**	33,000	TDR&TXV	13.50		11.50	PG9MXA036080	
CAP**4817A**	33,000	TDR&TXV	13.50		11.50	PG9MXA036060	
CAP**4817A**	33,000	TDR&TXV	13.50		11.50	PG9MXA048080	
CAP**4817A**	34,000	TXV		13.00	11.00		
CAP**4821A**	34,000	TDR&TXV	13.50		11.50	PG8*EA048090	
CAP**4821A**	34,000	TDR&TXV	14.00		12.00	PG8*EA060110	
CAP**4821A**	33,400	TDR&TXV	14.00		12.00	PG9MXA060100	
CAP**4821A**	34,000	TXV		13.00	11.00		
CAP**4823A**	33,400	TDR&TXV	14.00		12.00	PG9MXA060100	
CAP**4824A**	34,000	TDR&TXV	14.00		12.00	PG8*EA060135	
CAP**4824A**	33,400	TDR&TXV	14.00		12.00	PG9MXA060120	
CAP**4824A**	34,000	TXV		13.00	11.00		
CNPF*4818A**	33,400	TXV		13.00	11.00		
CNPH*4221A**	33,000	TDR&TXV	13.50		11.50	PG9MXA036080	
CNPH*4221A**	33,400	TDR&TXV	13.50		11.50	PG8*EA048090	
CNPH*4221A**	33,400	TDR&TXV	13.50		11.50	PG8*EA060110	
CNPH*4221A**	33,400	TDR&TXV	13.50		11.50	PG8*EA060135	
CNPH*4221A**	33,000	TDR&TXV	13.50		11.50	PG9MXA048080	
CNPH*4221A**	33,000	TDR&TXV	13.50		11.50	PG9MXA060100	
CNPH*4221A**	33,000	TDR&TXV	14.00		11.50	PG9MXA060120	
CNPH*4221A**	33,000	TXV		13.00	11.00		
CNPH*4821A**	33,400	TDR&TXV	13.50		11.50	PG9MXA036080	

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See notes on page 19

RATINGS AND PERFORMANCE CONTINUED

UNIT SIZE – SERIES	INDOOR MODEL	ARI STANDARD RATINGS					FURNACE MODEL	
		CAPACITY	FACTORY ENHANCE	COOLING		EER		
				SEER	TDR†			
PA13NA036 – B	CNPH*4821A**	34,000	TDR&TXV	13.50		11.50	PG8*EA048090	
	CNPH*4821A**	34,000	TDR&TXV	14.00		12.00	PG8*EA060110	
	CNPH*4821A**	34,000	TDR&TXV	14.00		12.00	PG8*EA060135	
	CNPH*4821A**	33,400	TDR&TXV	13.50		11.50	PG9MXA036060	
	CNPH*4821A**	33,400	TDR&TXV	13.50		11.50	PG9MXA048080	
	CNPH*4821A**	33,400	TDR&TXV	14.00		12.00	PG9MXA060100	
	CNPH*4821A**	33,400	TDR&TXV	14.00		12.00	PG9MXA060120	
	CNPH*4821A**	34,000	TXV			13.00	11.00	
	CNPV*4217A**	33,000	TDR&TXV	13.50			11.50	PG9MXA036080
	CNPV*4217A**	33,000	TDR&TXV	13.50			11.50	PG9MXA048080
	CNPV*4217A**	33,000	TXV			13.00	11.00	
	CNPV*4221A**	33,400	TDR&TXV	13.50			11.50	PG8*EA048090
	CNPV*4221A**	33,400	TDR&TXV	13.50			11.50	PG8*EA060110
	CNPV*4221A**	33,000	TDR&TXV	13.50			11.50	PG9MXA060100
	CNPV*4221A**	33,000	TXV			13.00	11.00	
	CNPV*4821A**	34,000	TDR&TXV	14.00			11.50	PG8*EA048090
	CNPV*4821A**	34,000	TDR&TXV	14.00			12.00	PG8*EA060110
	CNPV*4821A**	33,000	TDR&TXV	14.00			12.00	PG9MXA060100
	CNPV*4821A**	34,000	TXV			13.00	11.00	
	CNPV*4824A**	34,000	TDR&TXV	14.00			12.00	PG8*EA060135
	CNPV*4824A**	33,400	TDR&TXV	14.00			12.00	PG9MXA060120
	CNPV*4824A**	34,000	TXV			13.00	11.00	
	CSPH*4212A**	33,000	TDR&TXV	13.50			11.50	PG9MXA036080
	CSPH*4212A**	33,400	TDR&TXV	14.00			11.50	PG8*EA048090
	CSPH*4212A**	33,400	TDR&TXV	14.00			12.00	PG8*EA060110
	CSPH*4212A**	33,400	TDR&TXV	13.50			11.50	PG8*EA060135
	CSPH*4212A**	33,000	TDR&TXV	13.50			11.50	PG9MXA036060
	CSPH*4212A**	33,000	TDR&TXV	13.50			11.50	PG9MXA048080
	CSPH*4212A**	33,000	TDR&TXV	14.00			12.00	PG9MXA060100
	CSPH*4212A**	33,000	TDR&TXV	14.00			12.00	PG9MXA060120
	CSPH*4212A**	33,000	TXV			13.00	11.00	
	CSPH*4812A**	33,400	TDR&TXV	13.50			11.50	PG9MXA036080
	CSPH*4812A**	34,000	TDR&TXV	14.00			12.00	PG8*EA048090
	CSPH*4812A**	34,000	TDR&TXV	14.00			12.00	PG8*EA060110
	CSPH*4812A**	34,000	TDR&TXV	14.00			12.00	PG8*EA060135
	CSPH*4812A**	33,400	TDR&TXV	13.50			11.50	PG9MXA036060
	CSPH*4812A**	33,400	TDR&TXV	13.50			11.50	PG9MXA048080
	CSPH*4812A**	33,400	TDR&TXV	14.00			12.00	PG9MXA060100
	CSPH*4812A**	33,400	TDR&TXV	14.50			12.00	PG9MXA060120
	CSPH*4812A**	34,000	TXV			13.00	11.00	
	PF4MNA042	33,000	TDR&TXV	13.00			10.90	
	PF4MNA043	33,000	TDR&TXV	13.00			11.00	
	PF4MNA048	34,000	TDR&TXV	13.00			11.00	
	PF4MNA049	34,000	TDR&TXV	13.00			11.00	
	*CAP**4821A**	34,000	TXV			13.00	11.00	
	CAP**3614A**	33,000	TDR&TXV	13.00			11.00	PG8*EA024045
	CAP**3617A**	33,400	TDR&TXV	14.00			11.50	PG9MXA036080
	CAP**3617A**	33,400	TDR&TXV	13.50			11.00	PG8*EA048070
CAP**3617A**	33,400	TDR&TXV	14.00			11.50	PG9MXA036060	
CAP**3617A**	33,400	TDR&TXV	14.00			11.50	PG9MXA048080	
CAP**3619A**	33,000	TDR&TXV	13.00			11.00	PG9MTAV36050*A**	
CAP**3619A**	33,000	TDR&TXV	13.00			11.00	PG9MTAV36075*A**	
CAP**3621A**	33,600	TDR&TXV	14.00			11.50	PG8*EA048090	
CAP**3621A**	33,600	TDR&TXV	14.00			11.50	PG8*EA060110	
CAP**3621A**	33,600	TDR&TXV	14.00			11.50	PG9MXA060100	
CAP**4221A**	33,600	TDR&TXV	14.00			11.50	PG8*EA048090	
CAP**4221A**	33,600	TDR&TXV	14.00			11.50	PG8*EA060110	
CAP**4221A**	33,600	TDR&TXV	14.00			11.50	PG9MXA060100	
CAP**4817A**	34,000	TDR&TXV	14.00			11.50	PG8*EA048070	
CAP**4817A**	34,000	TDR&TXV	14.00			11.50	PG9MXA036060	
CAP**4817A**	34,000	TDR&TXV	14.00			11.50	PG9MXA036080	
CAP**4817A**	34,000	TXV			13.00	11.00	PG9MXA048080	
CAP**4821A**	34,000	TDR&TXV	14.00			11.50	PG8*EA048090	
CAP**4821A**	34,000	TDR&TXV	14.00			11.50	PG8*EA060110	
CAP**4821A**	34,000	TDR&TXV	14.00			11.50	PG9MXA060100	
CAP**4823A**	34,000	TDR&TXV	14.00			11.50	PG8*EA048090	
CAP**4823A**	34,000	TDR&TXV	14.00			11.50	PG8*EA060110	
CAP**4823A**	34,000	TDR&TXV	14.00			11.50	PG9MTAV60100*A**	
CAP**4823A**	34,200	TDR&TXV	14.00			11.50	PG9MXA060100	
CAP**4823A**	34,000	TXV			13.00	11.00		
CAP**4824A**	34,000	TDR&TXV	14.00			11.50	PG8*EA060135	
CAP**4824A**	34,000	TDR&TXV	14.00			11.50	PG9MXA060120	
CAP**4824A**	34,000	TXV			13.00	11.00		
CNPF*4818A**	34,000	TXV			13.00	11.00		
CNPH*3617A**	33,000	TDR&TXV	13.00			11.00	PG8*EA024045	
CNPH*3617A**	33,000	TDR&TXV	13.50			11.00	PG8*EA048070	

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RATINGS AND PERFORMANCE CONTINUED

UNIT SIZE – SERIES	INDOOR MODEL	ARI STANDARD RATINGS					FURNACE MODEL
		CAPACITY	FACTORY ENHANCE	COOLING		EER	
				SEER	TDR†		
PA13NA036 – C	CNPH*3617A**	33,000	TDR&TXV	14.00		11.50	PG8*EA048090
	CNPH*3617A**	33,000	TDR&TXV	14.00		11.50	PG8*EA060110
	CNPH*3617A**	33,000	TDR&TXV	14.00		11.50	PG9MXA036060
	CNPH*3617A**	33,000	TDR&TXV	14.00		11.50	PG9MXA036080
	CNPH*3617A**	33,000	TDR&TXV	13.50		11.00	PG9MXA048080
	CNPH*3617A**	33,000	TDR&TXV	14.00		11.50	PG9MXA060100
	CNPH*4221A**	33,400	TDR&TXV	13.00		11.00	PG8*EA024045
	CNPH*4221A**	33,400	TDR&TXV	13.50		11.00	PG8*EA048070
	CNPH*4221A**	33,400	TDR&TXV	14.00		11.50	PG8*EA048090
	CNPH*4221A**	33,400	TDR&TXV	14.00		11.50	PG8*EA060110
	CNPH*4221A**	33,400	TDR&TXV	14.00		11.50	PG9MXA036060
	CNPH*4221A**	33,400	TDR&TXV	14.00		11.50	PG9MXA036080
	CNPH*4221A**	33,400	TDR&TXV	14.00		11.50	PG9MXA048080
	CNPH*4221A**	33,400	TDR&TXV	14.00		11.50	PG9MXA060100
	CNPH*4221A**	33,800	TXV		13.00	11.00	
	CNPH*4821A**	34,000	TDR&TXV	14.00		11.50	PG8*EA048070
	CNPH*4821A**	34,000	TDR&TXV	14.00		11.50	PG8*EA048090
	CNPH*4821A**	34,000	TDR&TXV	14.00		11.50	PG8*EA060110
	CNPH*4821A**	34,000	TDR&TXV	14.00		11.50	PG8*EA060135
	CNPH*4821A**	34,000	TDR&TXV	14.00		11.50	PG9MXA036060
	CNPH*4821A**	34,000	TDR&TXV	14.00		11.50	PG9MXA036080
	CNPH*4821A**	34,000	TDR&TXV	14.00		11.50	PG9MXA048080
	CNPH*4821A**	34,000	TDR&TXV	14.00		11.50	PG9MXA060100
	CNPH*4821A**	34,000	TDR&TXV	14.00		11.50	PG9MXA060120
	CNPH*4821A**	34,000	TXV		13.00	11.00	
	CNPV*3617A**	33,000	TDR&TXV	13.50		11.00	PG8*EA048070
	CNPV*3617A**	33,400	TDR&TXV	14.00		11.50	PG9MXA036060
	CNPV*3617A**	33,400	TDR&TXV	14.00		11.50	PG9MXA036080
	CNPV*3617A**	33,400	TDR&TXV	13.50		11.00	PG9MXA048080
	CNPV*3621A**	33,400	TDR&TXV	14.00		11.50	PG8*EA048090
	CNPV*3621A**	33,400	TDR&TXV	14.00		11.50	PG8*EA060110
	CNPV*3621A**	33,400	TDR&TXV	14.00		11.50	PG9MXA060100
	CNPV*4217A**	33,800	TDR&TXV	13.50		11.00	PG8*EA048070
	CNPV*4217A**	33,800	TDR&TXV	14.00		11.50	PG9MXA036060
	CNPV*4217A**	33,800	TDR&TXV	14.00		11.50	PG9MXA036080
	CNPV*4217A**	33,800	TDR&TXV	14.00		11.50	PG9MXA048080
	CNPV*4217A**	33,800	TXV		13.00	11.00	
	CNPV*4221A**	33,800	TDR&TXV	14.00		11.50	PG8*EA048090
	CNPV*4221A**	33,800	TDR&TXV	14.00		11.50	PG8*EA060110
	CNPV*4221A**	33,800	TDR&TXV	14.00		11.50	PG9MXA060100
	CNPV*4221A**	33,800	TXV		13.00	11.00	
	CNPV*4821A**	34,000	TDR&TXV	14.00		11.50	PG8*EA048090
	CNPV*4821A**	34,000	TDR&TXV	14.00		11.50	PG8*EA060110
	CNPV*4821A**	34,000	TDR&TXV	14.00		11.50	PG9MXA060100
	CNPV*4821A**	34,000	TXV		13.00	11.00	
	CNPV*4824A**	34,000	TDR&TXV	14.00		11.50	PG8*EA060135
	CNPV*4824A**	34,000	TDR&TXV	14.00		11.50	PG9MXA060120
	CNPV*4824A**	34,000	TXV		13.00	11.00	
	CSPH*3612A**	33,800	TDR&TXV	13.50		11.00	PG8*EA024045
	CSPH*3612A**	33,800	TDR&TXV	13.50		11.00	PG8*EA048070
	CSPH*3612A**	33,800	TDR&TXV	14.00		11.50	PG8*EA048090
	CSPH*3612A**	33,800	TDR&TXV	14.00		11.50	PG8*EA060110
	CSPH*3612A**	33,800	TDR&TXV	14.00		11.50	PG9MXA036060
	CSPH*3612A**	33,800	TDR&TXV	14.00		11.50	PG9MXA036080
	CSPH*3612A**	33,800	TDR&TXV	14.00		11.50	PG9MXA048080
	CSPH*3612A**	33,800	TDR&TXV	14.00		11.50	PG9MXA060100
	CSPH*4212A**	33,800	TDR&TXV	13.50		11.00	PG8*EA024045
	CSPH*4212A**	33,800	TDR&TXV	14.00		11.50	PG8*EA048070
	CSPH*4212A**	33,800	TDR&TXV	14.00		11.50	PG8*EA048090
	CSPH*4212A**	33,800	TDR&TXV	14.00		11.50	PG8*EA060110
	CSPH*4212A**	33,800	TDR&TXV	14.00		11.50	PG9MXA036060
	CSPH*4212A**	33,800	TDR&TXV	14.00		11.50	PG9MXA036080
	CSPH*4212A**	33,800	TDR&TXV	14.00		11.50	PG9MXA048080
	CSPH*4212A**	33,800	TDR&TXV	14.00		11.50	PG9MXA060100
	CSPH*4212A**	33,800	TXV		13.00	11.00	
	CSPH*4812A**	34,000	TDR&TXV	14.00		11.50	PG8*EA048070
	CSPH*4812A**	34,000	TDR&TXV	14.00		11.50	PG8*EA048090
	CSPH*4812A**	34,000	TDR&TXV	14.00		11.50	PG8*EA060110
	CSPH*4812A**	34,000	TDR&TXV	14.00		11.50	PG8*EA060135
	CSPH*4812A**	34,000	TDR&TXV	14.00		11.50	PG9MXA036060
CSPH*4812A**	34,000	TDR&TXV	14.00		12.10	PG9MXA036080	
CSPH*4812A**	34,000	TDR&TXV	14.00		11.50	PG9MXA048080	
CSPH*4812A**	34,000	TDR&TXV	14.00		11.50	PG9MXA060100	
CSPH*4812A**	34,000	TDR&TXV	14.00		11.50	PG9MXA060120	
CSPH*4812A**	34,000	TXV		13.00	11.00		
FF1ENP037	33,400	TDR&TXV	13.00		11.00		
PF4MNA037	33,600	TDR&TXV	13.50		11.00		

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RATINGS AND PERFORMANCE CONTINUED

UNIT SIZE – SERIES	INDOOR MODEL	ARI STANDARD RATINGS					FURNACE MODEL
		CAPACITY	FACTORY ENHANCE	COOLING		EER	
				STANDARD	TDR†		
PA13NA036 – C	PF4MNA042	33,400	TDR&TXV	13.00		11.00	
	PF4MNA043	33,800	TDR&TXV	13.50		11.00	
PA13NA042 – B	*CAP**4221A**	39,500	TXV		13.00	11.00	
	CAP**4221A**	39,500	TDR&TXV	13.50		11.50	PG8*EA048090
	CAP**4221A**	39,500	TDR&TXV	13.50		11.50	PG8*EA060110
	CAP**4221A**	39,000	TDR&TXV	14.00		11.50	PG9MXA060100
	CAP**4224A**	39,500	TDR&TXV	13.50		11.50	PG8*EA060135
	CAP**4224A**	39,000	TDR&TXV	14.00		12.00	PG9MXA060120
	CAP**4224A**	39,500	TXV		13.00	11.00	
	CAP**4817A**	39,500	TDR&TXV	13.50		11.50	PG9MXA036060
	CAP**4817A**	39,500	TDR&TXV	14.00		11.50	PG9MXA036080
	CAP**4817A**	39,500	TDR&TXV	14.00		11.50	PG9MXA048080
	CAP**4817A**	40,000	TXV		13.00	11.00	
	CAP**4821A**	40,000	TDR&TXV	14.00		12.00	PG8*EA048090
	CAP**4821A**	40,000	TDR&TXV	14.00		12.00	PG8*EA060110
	CAP**4821A**	39,500	TDR&TXV	14.00		12.00	PG9MXA060100
	CAP**4821A**	40,000	TXV		13.00	11.00	
	CAP**4823A**	39,500	TDR&TXV	14.00		12.00	PG9MXA060100
	CAP**4824A**	40,000	TDR&TXV	14.00		12.00	PG8*EA060135
	CAP**4824A**	39,500	TDR&TXV	14.00		12.00	PG9MXA060120
	CAP**4824A**	40,000	TXV		13.00	11.00	
	CNPF*4818A**	40,000	TXV		13.00	11.00	
	CNPH*4221A**	39,000	TDR&TXV	13.50		11.50	PG8*EA048090
	CNPH*4221A**	39,000	TDR&TXV	13.50		11.50	PG8*EA060110
	CNPH*4221A**	39,000	TDR&TXV	13.50		11.50	PG8*EA060135
	CNPH*4221A**	39,000	TDR&TXV	13.50		11.50	PG9MXA036060
	CNPH*4221A**	39,000	TDR&TXV	13.50		11.50	PG9MXA036080
	CNPH*4221A**	39,000	TDR&TXV	13.50		11.50	PG9MXA048080
	CNPH*4221A**	39,000	TDR&TXV	13.50		11.50	PG9MXA060100
	CNPH*4221A**	39,000	TDR&TXV	14.00		11.50	PG9MXA060120
	CNPH*4221A**	39,500	TXV		13.00	11.00	
	CNPH*4821A**	40,000	TDR&TXV	14.00		12.00	PG8*EA048090
	CNPH*4821A**	40,000	TDR&TXV	14.50		12.00	PG8*EA060110
	CNPH*4821A**	40,000	TDR&TXV	14.00		12.00	PG8*EA060135
	CNPH*4821A**	40,000	TDR&TXV	13.50		11.50	PG9MXA036060
	CNPH*4821A**	40,000	TDR&TXV	14.00		12.00	PG9MXA036080
	CNPH*4821A**	39,500	TDR&TXV	14.00		12.00	PG9MXA048080
	CNPH*4821A**	39,500	TDR&TXV	14.00		12.00	PG9MXA060100
	CNPH*4821A**	39,500	TDR&TXV	14.00		12.00	PG9MXA060120
	CNPH*4821A**	40,000	TXV		13.00	11.00	
	CNPV*4217A**	39,000	TDR&TXV	13.50		11.50	PG9MXA036060
	CNPV*4217A**	39,000	TDR&TXV	13.50		11.50	PG9MXA036080
	CNPV*4217A**	39,000	TDR&TXV	13.50		11.50	PG9MXA048080
	CNPV*4217A**	39,000	TXV		13.00	11.00	
	CNPV*4221A**	39,000	TDR&TXV	13.50		11.50	PG8*EA048090
	CNPV*4221A**	39,000	TDR&TXV	13.50		11.50	PG8*EA060110
	CNPV*4221A**	39,000	TDR&TXV	13.50		11.50	PG9MXA060100
	CNPV*4221A**	39,500	TXV		13.00	11.00	
	CNPV*4821A**	40,000	TDR&TXV	14.00		12.00	PG8*EA048090
	CNPV*4821A**	40,000	TDR&TXV	14.50		12.00	PG8*EA060110
	CNPV*4821A**	40,000	TDR&TXV	14.00		12.00	PG9MXA060100
	CNPV*4821A**	40,000	TXV		13.00	11.00	
CNPV*4824A**	40,000	TDR&TXV	14.00		12.00	PG8*EA060135	
CNPV*4824A**	40,000	TDR&TXV	14.00		12.00	PG9MXA060120	
CNPV*4824A**	40,000	TXV		13.00	11.00		
CSPH*4212A**	40,000	TDR&TXV	14.00		12.00	PG8*EA048090	
CSPH*4212A**	40,000	TDR&TXV	14.00		12.00	PG8*EA060110	
CSPH*4212A**	40,000	TDR&TXV	14.00		12.00	PG8*EA060135	
CSPH*4212A**	39,000	TDR&TXV	13.50		11.50	PG9MXA036060	
CSPH*4212A**	39,000	TDR&TXV	14.00		12.00	PG9MXA036080	
CSPH*4212A**	39,000	TDR&TXV	14.00		12.00	PG9MXA048080	
CSPH*4212A**	39,000	TDR&TXV	14.00		12.00	PG9MXA060100	
CSPH*4212A**	39,000	TDR&TXV	14.00		12.00	PG9MXA060120	
CSPH*4212A**	40,000	TXV		13.00	11.00		
CSPH*4812A**	40,000	TDR&TXV	14.00		12.00	PG8*EA048090	
CSPH*4812A**	40,000	TDR&TXV	14.50		12.00	PG8*EA060110	
CSPH*4812A**	40,000	TDR&TXV	14.00		12.00	PG8*EA060135	
CSPH*4812A**	39,500	TDR&TXV	13.50		11.50	PG9MXA036060	
CSPH*4812A**	39,500	TDR&TXV	14.00		12.00	PG9MXA036080	
CSPH*4812A**	39,500	TDR&TXV	14.00		12.00	PG9MXA048080	
CSPH*4812A**	39,500	TDR&TXV	14.00		12.00	PG9MXA060100	
CSPH*4812A**	39,500	TDR&TXV	14.00		12.00	PG9MXA060120	
CSPH*4812A**	40,000	TXV		13.00	11.00		
PF4MNA042	39,500	TDR&TXV	13.00		11.00		
PF4MNA043	39,500	TDR&TXV	13.50		11.50		
PF4MNA048	40,000	TDR&TXV	13.00		11.00		
PF4MNA049	40,000	TDR&TXV	14.00		12.00		

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RATINGS AND PERFORMANCE CONTINUED

UNIT SIZE – SERIES	INDOOR MODEL	ARI STANDARD RATINGS					FURNACE MODEL
		CAPACITY	FACTORY ENHANCE	COOLING		EER	
				STANDARD	TDR†		
PA13NA042 – C	*CAP**4221A**	41,000	TXV		13.00	11.00	
	CAP**4221A**	41,000	TDR&TXV	14.00		11.50	PG8*EA048090
	CAP**4221A**	41,000	TDR&TXV	14.00		11.50	PG8*EA060110
	CAP**4221A**	41,000	TDR&TXV	14.00		11.50	PG9MXA060100
	CAP**4224A**	41,000	TDR&TXV	14.00		11.50	PG8*EA060135
	CAP**4224A**	41,000	TDR&TXV	14.00		11.50	PG9MXA060120
	CAP**4224A**	41,000	TXV		13.00		11.00
	CAP**4817A**	41,500	TDR&TXV	13.50		11.00	PG8*EA048070
	CAP**4817A**	41,500	TDR&TXV	14.00		11.50	PG9MXA036060
	CAP**4817A**	41,500	TDR&TXV	14.00		11.50	PG9MXA036080
	CAP**4817A**	41,500	TDR&TXV	14.00		11.50	PG9MXA048080
	CAP**4817A**	41,500	TXV		13.00		11.00
	CAP**4821A**	41,500	TDR&TXV	14.00		11.50	PG8*EA048090
	CAP**4821A**	41,500	TDR&TXV	14.00		11.50	PG8*EA060110
	CAP**4821A**	41,500	TDR&TXV	14.00		11.50	PG9MXA060100
	CAP**4821A**	41,500	TXV		13.00		11.00
	CAP**4823A**	41,500	TDR&TXV	14.00		11.50	PG8*EA048090
	CAP**4823A**	41,500	TDR&TXV	14.00		11.50	PG8*EA060110
	CAP**4823A**	41,500	TDR&TXV	14.00		11.50	PG9MTAV60100*A**
	CAP**4823A**	41,500	TDR&TXV	14.00		11.50	PG9MXA060100
	CAP**4823A**	41,500	TXV		13.00		11.00
	CAP**4824A**	41,500	TDR&TXV	14.00		11.50	PG8*EA060135
	CAP**4824A**	41,500	TDR&TXV	14.00		11.50	PG9MXA060120
	CAP**4824A**	41,500	TXV		13.00		11.00
	CNPF*4818A**	41,500	TXV		13.25		11.15
	CNPH*4221A**	41,000	TDR&TXV	13.00		11.00	PG8*EA048070
	CNPH*4221A**	41,000	TDR&TXV	14.00		11.50	PG8*EA048090
	CNPH*4221A**	41,000	TDR&TXV	14.00		11.50	PG8*EA060110
	CNPH*4221A**	41,000	TDR&TXV	14.00		11.50	PG8*EA060135
	CNPH*4221A**	41,000	TDR&TXV	13.50		11.00	PG9MXA036060
	CNPH*4221A**	41,000	TDR&TXV	14.00		11.50	PG9MXA036080
	CNPH*4221A**	41,000	TDR&TXV	14.00		11.50	PG9MXA048080
	CNPH*4221A**	41,000	TDR&TXV	14.00		11.50	PG9MXA060100
	CNPH*4221A**	41,000	TDR&TXV	14.00		11.50	PG9MXA060120
	CNPH*4221A**	41,000	TXV		13.00		11.00
	CNPH*4821A**	41,500	TDR&TXV	13.50		11.00	PG8*EA048070
	CNPH*4821A**	41,500	TDR&TXV	14.00		11.50	PG8*EA048090
	CNPH*4821A**	41,500	TDR&TXV	14.00		11.50	PG8*EA060110
	CNPH*4821A**	41,500	TDR&TXV	14.00		11.50	PG8*EA060135
	CNPH*4821A**	41,500	TDR&TXV	14.00		11.50	PG9MXA036060
	CNPH*4821A**	41,500	TDR&TXV	14.00		11.50	PG9MXA036080
	CNPH*4821A**	41,500	TDR&TXV	14.00		11.50	PG9MXA048080
	CNPH*4821A**	41,500	TDR&TXV	14.00		11.50	PG9MXA060100
	CNPH*4821A**	41,500	TDR&TXV	14.00		11.50	PG9MXA060120
	CNPH*4821A**	41,500	TXV		13.00		11.00
	CNPV*4217A**	41,000	TDR&TXV	13.00		11.00	PG8*EA048070
	CNPV*4217A**	41,000	TDR&TXV	14.00		11.50	PG9MXA036060
	CNPV*4217A**	41,000	TDR&TXV	14.00		11.50	PG9MXA036080
	CNPV*4217A**	41,000	TDR&TXV	14.00		11.50	PG9MXA048080
	CNPV*4217A**	41,000	TXV		13.00		11.00
	CNPV*4221A**	41,000	TDR&TXV	14.00		11.50	PG8*EA048090
	CNPV*4221A**	41,000	TDR&TXV	14.00		11.50	PG8*EA060110
	CNPV*4221A**	41,000	TDR&TXV	14.00		11.50	PG9MXA060100
	CNPV*4221A**	41,000	TXV		13.00		11.00
	CNPV*4821A**	41,500	TDR&TXV	14.00		11.50	PG8*EA048090
	CNPV*4821A**	41,500	TDR&TXV	14.00		11.50	PG8*EA060110
	CNPV*4821A**	41,500	TDR&TXV	14.00		11.50	PG9MXA060100
	CNPV*4821A**	41,500	TXV		13.00		11.00
	CNPV*4824A**	41,500	TDR&TXV	14.00		11.50	PG8*EA060135
	CNPV*4824A**	41,500	TDR&TXV	14.00		11.50	PG9MXA060120
CNPV*4824A**	41,500	TXV		13.00		11.00	
CSPH*4212A**	41,000	TDR&TXV	13.50		11.00	PG8*EA048070	
CSPH*4212A**	41,000	TDR&TXV	14.00		11.50	PG8*EA048090	
CSPH*4212A**	41,000	TDR&TXV	14.00		11.50	PG8*EA060110	
CSPH*4212A**	41,000	TDR&TXV	14.00		11.50	PG8*EA060135	
CSPH*4212A**	41,000	TDR&TXV	14.00		11.50	PG9MXA036060	
CSPH*4212A**	41,000	TDR&TXV	14.00		11.50	PG9MXA036080	
CSPH*4212A**	41,000	TDR&TXV	14.00		11.50	PG9MXA048080	
CSPH*4212A**	41,000	TDR&TXV	14.00		11.50	PG9MXA060100	
CSPH*4212A**	41,000	TDR&TXV	14.00		11.50	PG9MXA060120	
CSPH*4212A**	41,000	TXV		13.00		11.00	
CSPH*4812A**	41,500	TDR&TXV	13.50		11.00	PG8*EA048070	
CSPH*4812A**	41,500	TDR&TXV	14.00		11.50	PG8*EA048090	
CSPH*4812A**	41,500	TDR&TXV	14.00		11.50	PG8*EA060110	
CSPH*4812A**	41,500	TDR&TXV	14.00		11.50	PG8*EA060135	
CSPH*4812A**	41,500	TDR&TXV	14.00		11.50	PG9MXA036060	
CSPH*4812A**	41,500	TDR&TXV	14.00		11.50	PG9MXA036080	

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RATINGS AND PERFORMANCE CONTINUED

UNIT SIZE – SERIES	INDOOR MODEL	ARI STANDARD RATINGS					FURNACE MODEL
		CAPACITY	FACTORY ENHANCE	COOLING		EER	
				STANDARD	TDR†		
PA13NA042 – C	CSPH*4812A**	41,500	TDR&TXV	14.00		11.50	PG9MXA048080
	CSPH*4812A**	41,500	TDR&TXV	14.00		11.50	PG9MXA060100
	CSPH*4812A**	41,500	TDR&TXV	14.00		11.50	PG9MXA060120
	CSPH*4812A**	41,500	TXV		13.00	11.00	
	PF4MNA042	41,000	TDR&TXV	13.00		11.00	
	PF4MNA043	41,500	TDR&TXV	14.00		11.50	
	PF4MNA048	41,500	TDR&TXV	13.00		11.00	
PF4MNA049	42,000	TDR&TXV	14.00		11.50		
PA13NA048 – B	*CAP**4821A**	46,000	TXV		13.00	11.00	
	CAP**4817A**	45,000	TXV		13.00	11.00	
	CAP**4821A**	45,000	TDR&TXV	13.50		11.00	PG8*EA048090
	CAP**4821A**	45,000	TDR&TXV	13.50		11.50	PG8*EA060110
	CAP**4821A**	45,000	TDR&TXV	13.50		11.50	PG9MXA060100
	CAP**4823A**	45,000	TDR&TXV	13.50		11.50	PG9MXA060100
	CAP**4824A**	45,000	TDR&TXV	13.50		11.50	PG8*EA060135
	CAP**4824A**	45,000	TDR&TXV	13.50		11.50	PG9MXA060120
	CAP**4824A**	46,000	TXV		13.00	11.00	
	CAP**6021A**	46,000	TDR&TXV	13.50		11.50	PG8*EA048090
	CAP**6021A**	46,000	TDR&TXV	14.00		12.00	PG8*EA060110
	CAP**6021A**	46,000	TDR&TXV	14.00		11.50	PG9MXA060100
	CAP**6021A**	46,500	TXV		13.00	11.00	
	CAP**6024A**	46,000	TDR&TXV	13.50		11.00	PG8*EA060135
	CAP**6024A**	46,000	TDR&TXV	14.00		11.50	PG9MXA060120
	CAP**6024A**	46,500	TXV		13.00	11.00	
	CAP**6025A**	46,000	TDR&TXV	14.00		11.50	PG9MXA060120
	CNPF*4818A**	45,000	TXV		13.00	11.00	
	CNPH*4821A**	45,000	TDR&TXV	13.50		11.50	PG8*EA048090
	CNPH*4821A**	45,000	TDR&TXV	13.50		11.50	PG8*EA060110
	CNPH*4821A**	45,000	TDR&TXV	13.50		11.50	PG8*EA060135
	CNPH*4821A**	45,000	TDR&TXV	13.50		11.50	PG9MXA060100
	CNPH*4821A**	45,000	TDR&TXV	13.50		11.50	PG9MXA060120
	CNPH*4821A**	46,000	TXV		13.00	11.00	
	CNPH*6024A**	46,000	TDR&TXV	13.50		11.50	PG8*EA048090
	CNPH*6024A**	46,000	TDR&TXV	14.00		12.00	PG8*EA060110
	CNPH*6024A**	46,000	TDR&TXV	13.50		11.50	PG8*EA060135
	CNPH*6024A**	46,000	TDR&TXV	13.50		11.50	PG9MXA060100
	CNPH*6024A**	46,000	TDR&TXV	14.00		11.50	PG9MXA060120
	CNPH*6024A**	46,500	TXV		13.00	11.00	
	CNPV*4821A**	45,000	TDR&TXV	13.50		11.50	PG8*EA048090
	CNPV*4821A**	45,000	TDR&TXV	13.50		11.50	PG8*EA060110
	CNPV*4821A**	45,000	TDR&TXV	13.50		11.50	PG9MXA060100
	CNPV*4821A**	46,000	TXV		13.00	11.00	
	CNPV*4824A**	45,000	TDR&TXV	13.50		11.00	PG8*EA060135
	CNPV*4824A**	45,000	TDR&TXV	13.50		11.50	PG9MXA060120
	CNPV*4824A**	46,000	TXV		13.00	11.00	
	CNPV*6024A**	46,000	TDR&TXV	13.50		11.50	PG8*EA060135
	CNPV*6024A**	46,000	TDR&TXV	14.00		11.50	PG9MXA060120
	CNPV*6024A**	46,500	TXV		13.00	11.00	
	CSPH*4812A**	45,000	TDR&TXV	13.50		11.50	PG8*EA048090
	CSPH*4812A**	45,000	TDR&TXV	13.50		11.50	PG8*EA060110
CSPH*4812A**	45,000	TDR&TXV	13.50		11.50	PG8*EA060135	
CSPH*4812A**	45,000	TDR&TXV	13.50		11.50	PG9MXA060100	
CSPH*4812A**	45,000	TDR&TXV	13.50		11.50	PG9MXA060120	
CSPH*4812A**	45,000	TXV		13.00	11.00		
CSPH*6012A**	46,000	TDR&TXV	13.50		11.00	PG8*EA048090	
CSPH*6012A**	46,000	TDR&TXV	14.00		12.00	PG8*EA060110	
CSPH*6012A**	46,000	TDR&TXV	13.50		11.50	PG8*EA060135	
CSPH*6012A**	46,000	TDR&TXV	14.00		11.50	PG9MXA060100	
CSPH*6012A**	46,000	TDR&TXV	14.00		12.00	PG9MXA060120	
CSPH*6012A**	46,000	TXV		13.00	11.00		
PF4MNA048	46,000	TDR&TXV	13.00		11.00		
PF4MNA049	46,000	TDR&TXV	13.50		11.50		
PF4MNA060	46,500	TDR&TXV	13.00		11.00		
PF4MNA061	46,500	TDR&TXV	14.00		11.50		
PA13NA048 – C	*CAP**4821A**	46,000	TXV		13.00	11.00	
	CAP**4817A**	45,000	TDR&TXV	13.50		11.00	PG9MXA048080
	CAP**4817A**	46,000	TXV		13.00	11.00	
	CAP**4821A**	45,000	TDR&TXV	13.50		11.00	PG8*EA048090
	CAP**4821A**	45,000	TDR&TXV	14.00		11.50	PG8*EA060110
	CAP**4821A**	45,000	TDR&TXV	14.00		11.50	PG9MXA060100
	CAP**4823A**	45,000	TDR&TXV	13.50		11.00	PG8*EA048090
	CAP**4823A**	45,000	TDR&TXV	14.00		11.50	PG8*EA060110
	CAP**4823A**	45,000	TDR&TXV	13.50		11.00	PG9MTAV60100*A**
	CAP**4823A**	45,000	TDR&TXV	14.00		11.50	PG9MXA060100
	CAP**4823A**	46,000	TXV		13.00	11.00	
	CAP**4824A**	45,000	TDR&TXV	14.00		11.50	PG8*EA060135
	CAP**4824A**	45,000	TDR&TXV	14.00		11.50	PG9MXA060120

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RATINGS AND PERFORMANCE CONTINUED

UNIT SIZE – SERIES	INDOOR MODEL	ARI STANDARD RATINGS					FURNACE MODEL	
		CAPACITY	FACTORY ENHANCE	COOLING		EER		
				STANDARD	SEER			TDR†
PA13NA048 – C	CAP**4824A**	46,000	TXV			13.00	11.00	
	CAP**6021A**	46,500	TDR&TXV	14.00			11.50	PG8*EA048090
	CAP**6021A**	46,500	TDR&TXV	14.00			11.50	PG8*EA060110
	CAP**6021A**	46,500	TDR&TXV	14.00			11.50	PG9MXA060100
	CAP**6021A**	46,500	TXV			13.00	11.00	
	CAP**6024A**	46,500	TDR&TXV	14.00			11.50	PG8*EA060135
	CAP**6024A**	46,500	TDR&TXV	14.00			11.50	PG9MXA060120
	CAP**6024A**	46,500	TXV			13.00	11.00	
	CAP**6025A**	46,500	TDR&TXV	14.00			11.50	PG8*EA060135
	CAP**6025A**	46,500	TDR&TXV	13.50			11.00	PG9MTAV60125*A**
	CAP**6025A**	46,500	TDR&TXV	14.00			11.50	PG9MXA060120
	CAP**6025A**	46,500	TXV			13.00	11.00	
	CNPF*4818A**	45,000	TXV			13.00	11.00	
	CNPH*4821A**	46,000	TDR&TXV	13.50			11.00	PG8*EA048090
	CNPH*4821A**	46,000	TDR&TXV	14.00			11.50	PG8*EA060110
	CNPH*4821A**	46,000	TDR&TXV	14.00			11.50	PG8*EA060135
	CNPH*4821A**	46,000	TDR&TXV	13.50			11.00	PG9MXA048080
	CNPH*4821A**	46,000	TDR&TXV	14.00			11.50	PG9MXA060100
	CNPH*4821A**	46,000	TDR&TXV	14.00			11.50	PG9MXA060120
	CNPH*4821A**	46,000	TXV			13.00	11.00	
	CNPH*6024A**	46,000	TDR&TXV	13.00			11.00	PG8*EA048070
	CNPH*6024A**	46,000	TDR&TXV	14.00			11.50	PG8*EA048090
	CNPH*6024A**	46,000	TDR&TXV	14.00			11.50	PG8*EA060110
	CNPH*6024A**	46,000	TDR&TXV	14.00			11.50	PG8*EA060135
	CNPH*6024A**	46,000	TDR&TXV	13.50			11.00	PG9MXA048080
	CNPH*6024A**	46,000	TDR&TXV	14.00			11.50	PG9MXA060100
	CNPH*6024A**	46,000	TDR&TXV	14.00			11.50	PG9MXA060120
	CNPH*6024A**	46,500	TXV			13.00	11.00	
	CNPV*4821A**	46,000	TDR&TXV	13.50			11.00	PG8*EA048090
	CNPV*4821A**	46,000	TDR&TXV	14.00			11.50	PG8*EA060110
	CNPV*4821A**	46,000	TDR&TXV	14.00			11.50	PG9MXA060100
	CNPV*4821A**	46,000	TXV			13.00	11.00	
	CNPV*4824A**	46,000	TDR&TXV	14.00			11.50	PG8*EA060135
	CNPV*4824A**	46,000	TDR&TXV	14.00			11.50	PG9MXA060120
	CNPV*4824A**	46,000	TXV			13.00	11.00	
	CNPV*6024A**	46,500	TDR&TXV	14.00			11.50	PG8*EA060135
	CNPV*6024A**	46,500	TDR&TXV	14.00			11.50	PG9MXA060120
	CNPV*6024A**	46,500	TXV			13.00	11.00	
	CSPH*4812A**	46,000	TDR&TXV	14.00			11.50	PG8*EA048090
	CSPH*4812A**	46,000	TDR&TXV	14.00			11.50	PG8*EA060110
	CSPH*4812A**	46,000	TDR&TXV	14.00			11.50	PG8*EA060135
	CSPH*4812A**	46,000	TDR&TXV	13.50			11.00	PG9MXA048080
	CSPH*4812A**	46,000	TDR&TXV	14.00			11.50	PG9MXA060100
	CSPH*4812A**	46,000	TDR&TXV	14.00			11.50	PG9MXA060120
	CSPH*4812A**	46,000	TXV			13.00	11.00	
	CSPH*6012A**	46,500	TDR&TXV	14.00			11.50	PG8*EA048090
	CSPH*6012A**	46,500	TDR&TXV	14.00			11.50	PG8*EA060110
	CSPH*6012A**	46,500	TDR&TXV	14.00			11.50	PG8*EA060135
	CSPH*6012A**	46,500	TDR&TXV	13.50			11.00	PG9MXA048080
	CSPH*6012A**	46,500	TDR&TXV	14.00			11.50	PG9MXA060100
CSPH*6012A**	46,500	TDR&TXV	14.00			11.50	PG9MXA060120	
CSPH*6012A**	46,500	TXV			13.00	11.00		
PF4MNA048	46,000	TDR&TXV	13.00			11.00		
PF4MNA049	46,500	TDR&TXV	14.00			11.50		
PF4MNA060	46,500	TDR&TXV	13.00			11.00		
PF4MNA061	47,000	TDR&TXV	14.00			11.50		
*CAP**6024A**	57,000	TXV			13.00	11.00		
CAP**6021A**	56,000	TDR&TXV	13.50			11.50	PG8*EA060110	
CAP**6021A**	56,000	TDR&TXV	13.50			11.50	PG9MXA060100	
CAP**6021A**	56,000	TXV			13.00	11.00		
CAP**6024A**	56,000	TDR&TXV	13.50			11.50	PG8*EA060135	
CAP**6024A**	56,000	TDR&TXV	13.50			11.50	PG9MXA060120	
CAP**6025A**	56,000	TDR&TXV	13.50			11.50	PG9MXA060120	
CNPH*6024A**	56,000	TDR&TXV	13.50			11.50	PG8*EA060110	
CNPH*6024A**	56,000	TDR&TXV	13.50			11.00	PG8*EA060135	
CNPH*6024A**	56,000	TDR&TXV	13.50			11.50	PG9MXA060100	
CNPH*6024A**	56,000	TDR&TXV	13.50			11.50	PG9MXA060120	
CNPH*6024A**	57,000	TXV			13.00	11.00		
CNPV*6024A**	56,000	TDR&TXV	13.50			11.00	PG8*EA060135	
CNPV*6024A**	56,000	TDR&TXV	13.50			11.50	PG9MXA060120	
CNPV*6024A**	57,000	TXV			13.00	11.00		
CSPH*6012A**	56,000	TDR&TXV	13.50			11.00	PG8*EA048090	
CSPH*6012A**	56,000	TDR&TXV	13.50			11.50	PG8*EA060110	
CSPH*6012A**	56,000	TDR&TXV	13.50			11.50	PG8*EA060135	
CSPH*6012A**	56,000	TDR&TXV	13.50			11.50	PG9MXA060100	
CSPH*6012A**	56,000	TDR&TXV	13.50			11.50	PG9MXA060120	

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RATINGS AND PERFORMANCE CONTINUED

UNIT SIZE – SERIES	INDOOR MODEL	ARI STANDARD RATINGS					FURNACE MODEL
		COOLING					
		CAPACITY	FACTORY ENHANCE	SEER		EER	
STANDARD	TDR†						
PA13NA060 – B	CSPH*6012A**	57,000	TXV		13.00	11.00	
	PF4MNA060	57,000	TDR&TXV	13.00		10.80	
	PF4MNA061	57,000	TDR&TXV	13.50		11.50	
PA13NA060 – C	*CAP**6024A**	57,000	TXV		13.00	11.00	
	CAP**6021A**	56,500	TDR&TXV	13.00		11.00	PG8*EA048090
	CAP**6021A**	56,500	TDR&TXV	13.50		11.00	PG8*EA060110
	CAP**6021A**	56,500	TDR&TXV	13.50		11.00	PG9MXA060100
	CAP**6021A**	56,500	TXV		13.00	11.00	
	CAP**6024A**	56,500	TDR&TXV	13.50		11.00	PG8*EA060135
	CAP**6024A**	56,500	TDR&TXV	13.50		11.00	PG9MXA060120
	CAP**6025A**	56,500	TDR&TXV	13.50		11.00	PG8*EA060135
	CAP**6025A**	56,500	TDR&TXV	13.50		11.00	PG9MXA060120
	CAP**6025A**	57,000	TXV		13.00	11.00	
	CNPH*6024A**	56,500	TDR&TXV	13.00		11.00	PG8*EA048090
	CNPH*6024A**	56,500	TDR&TXV	13.50		11.00	PG8*EA060110
	CNPH*6024A**	56,500	TDR&TXV	13.50		11.00	PG8*EA060135
	CNPH*6024A**	56,000	TDR&TXV	13.00		11.00	PG9MXA048080
	CNPH*6024A**	56,500	TDR&TXV	13.50		11.00	PG9MXA060100
	CNPH*6024A**	56,500	TDR&TXV	13.50		11.00	PG9MXA060120
	CNPH*6024A**	57,000	TXV		13.00	11.00	
	CNPV*6024A**	56,500	TDR&TXV	13.50		11.00	PG8*EA060135
	CNPV*6024A**	56,500	TDR&TXV	13.50		11.00	PG9MXA060120
	CNPV*6024A**	57,000	TXV		13.00	11.00	
	CSPH*6012A**	56,500	TDR&TXV	13.50		11.00	PG8*EA048090
	CSPH*6012A**	56,500	TDR&TXV	13.50		11.00	PG8*EA060110
	CSPH*6012A**	56,500	TDR&TXV	13.50		11.00	PG8*EA060135
	CSPH*6012A**	56,500	TDR&TXV	13.00		11.00	PG9MXA048080
	CSPH*6012A**	56,500	TDR&TXV	13.50		11.00	PG9MXA060100
	CSPH*6012A**	56,500	TDR&TXV	13.50		11.00	PG9MXA060120
	CSPH*6012A**	57,000	TXV		13.00	11.00	
	PF4MNA060	57,000	TDR&TXV	13.00		11.00	
	PF4MNA061	57,500	TDR&TXV	13.50		11.00	

* Tested combination

† In most cases, only 1 method should be used to achieve TDR function. Using more than 1 method in a system may cause degradation in performance. Use either the accessory Time–Delay Relay KAATD0101TDR or a furnace equipped with TDR. Most Payne furnaces are equipped with TDR.

EER — Energy Efficiency Ratio

SEER — Seasonal Energy Efficiency Ratio

TDR — Time–Delay Relay

TXV — Thermostatic Expansion Valve

NOTES:

1. Ratings are net values reflecting the effects of circulating fan motor heat. Supplemental electric heat is not included.
2. Tested outdoor/indoor combinations have been tested in accordance with DOE test procedures for central air conditioners. Ratings for other combinations are determined under DOE computer simulation procedures.
3. Determine actual CFM values obtainable for your system by referring to fan performance data in fan coil or furnace coil literature.
4. Do not apply with capillary tube coils as performance and reliability are significantly affected.

PA13NA / PA13PA

DETAILED COOLING CAPACITIES#

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)												
CFM	EWB ° F (° C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)		Total Sys-tem KW**	Capacity MBtu/h Total	Capacity MBtu/h Sens†
		Capacity MBtu/h Total	Sens†	Total Sys-tem KW**	Capacity MBtu/h Total	Sens†	Total Sys-tem KW**	Capacity MBtu/h Total	Sens†	Total Sys-tem KW**	Capacity MBtu/h Total			
PA13NA018 – B Outdoor Section With CAPVP1814 Indoor Section														
525	72 (22.2)	20.35	10.09	1.18	19.43	9.75	18.46	9.40	17.51	9.07	16.49	1.75	16.49	8.72
	67 (19.4)	18.72	12.43	1.19	17.86	12.08	16.95	11.72	16.04	11.37	15.07	1.77	15.07	11.00
	62 (16.7)	17.21	14.74	1.21	16.41	14.38	15.59	14.00	14.75	13.61	13.92	1.78	13.92	13.92
	57 (13.9)	16.70	16.70	1.22	16.05	16.05	15.37	15.37	14.67	14.67	14.67	1.78	13.92	13.92
	72 (22.2)	20.73	10.59	1.20	19.69	10.22	18.69	9.87	17.72	9.54	16.67	1.77	16.67	9.18
600	67 (19.4)	19.03	13.21	1.22	18.14	12.86	17.20	12.50	16.27	12.15	15.27	1.79	15.27	11.77
	62 (16.7)	17.59	15.82	1.23	16.78	15.44	15.95	15.95	15.23	15.23	14.44	1.80	14.44	14.44
	57 (13.9)	17.38	17.38	1.24	16.69	16.69	15.97	15.97	15.23	15.23	14.44	1.80	14.44	14.44
	72 (22.2)	21.01	11.06	1.22	19.88	10.67	18.85	10.32	17.86	9.98	16.79	1.80	16.79	9.82
	67 (19.4)	19.25	13.95	1.24	18.34	13.61	17.38	13.24	16.43	12.88	15.41	1.81	15.41	12.50
675	62 (16.7)	17.94	17.79	1.26	17.20	17.20	16.44	16.44	15.67	15.67	14.84	1.82	14.84	14.84
	57 (13.9)	17.92	17.92	1.26	17.20	17.20	16.44	16.44	15.67	15.67	14.84	1.82	14.84	14.84

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CAP**1814A**	1.00	1.00	
CAP**2414A**	1.00	0.99	
CAP**2417A**	1.00	1.00	
CNPF*2418A**	1.00	0.99	
CNPH*2417A**	1.00	0.99	
CNPV*1814A**	1.00	1.00	
CNPV*2414A**	1.00	1.00	
CNPV*2417A**	1.00	0.99	
CSPH*2412A**	1.00	0.99	
FF1ENP018	1.00	1.00	
FF1ENP024	1.00	1.00	
PF4MNA018	1.00	1.00	
PF4MNA019	1.00	0.91	
PF4MNA024	1.00	1.00	
PF4MNA025	1.00	0.91	
CAP**1814A**	1.00	0.91	PG8*EA024045
CAP**2414A**	1.00	0.91	PG8*EA024045
CNPH*2417A**	1.00	0.91	PG8*EA024045
CNPV*1814A**	1.00	0.91	PG8*EA024045
CNPV*2414A**	1.00	0.91	PG8*EA024045
CSPH*2412A**	1.00	0.91	PG8*EA024045
CAP**2417A**	1.00	0.91	PG9MXA036060
CNPH*2417A**	1.00	0.91	PG9MXA036060
CNPV*2417A**	1.00	0.91	PG9MXA036060
CSPH*2412A**	1.00	0.91	PG9MXA036060

See notes on pg. 31

DETAILED COOLING CAPACITIES# (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)													
CFM	EWB ° F (° C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)					
		Capacity MBtuht Total	Sens†	Capacity MBtuht Total	Sens†	Capacity MBtuht Total	Sens†	Capacity MBtuht Total	Sens†	Capacity MBtuht Total	Sens†				
PA13NA024 – B Outdoor Section With CAPVP2414 Indoor Section															
700	72 (22.2)	27.06	13.28	25.82	12.84	24.64	12.43	23.44	12.02	22.11	11.56	2.30	20.29	14.66	2.57
	67 (19.4)	24.87	16.41	23.82	16.00	22.70	15.57	21.55	15.13	20.29	14.66	2.30	18.87	18.87	2.57
	62 (16.7)	22.98	19.55	22.00	19.12	20.97	18.66	19.91	18.18	18.87	18.87	2.30	18.87	18.87	2.57
	57 (13.9)	22.41	22.41	21.61	21.61	20.75	20.75	19.85	19.85	19.85	19.85	2.34	22.33	12.18	2.60
	72 (22.2)	27.49	13.93	26.14	13.46	24.93	13.05	23.69	12.64	22.33	20.54	15.69	2.33	20.54	15.69
800	67 (19.4)	25.24	17.44	24.15	17.03	23.00	16.60	21.83	16.16	20.54	15.69	2.33	20.54	15.69	2.60
	62 (16.7)	23.44	20.97	22.46	20.51	21.49	21.49	20.55	20.55	19.52	19.52	2.33	19.52	19.52	2.60
	57 (13.9)	23.25	23.25	22.40	22.40	21.49	21.49	20.55	20.55	19.52	19.52	2.33	19.52	19.52	2.60
	72 (22.2)	27.76	14.53	26.38	14.07	25.12	13.65	23.86	13.23	22.46	12.77	2.38	22.46	12.77	2.64
	67 (19.4)	25.50	18.44	24.39	18.03	23.21	17.59	22.02	17.15	20.70	16.66	2.37	20.70	16.66	2.64
900	62 (16.7)	23.92	23.92	23.03	23.03	22.08	22.08	21.10	21.10	20.02	20.02	2.37	20.02	20.02	2.64
	57 (13.9)	23.92	23.92	23.04	23.04	22.08	22.08	21.10	21.10	20.02	20.02	2.37	20.02	20.02	2.64

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*2417A**	1.00	0.96	PG9MXA036060
CNPH*3017A**	1.00	0.92	PG9MXA036060
CNPV*2417A**	1.00	0.96	PG9MXA036060
CNPH*3017A**	1.00	0.92	PG9MXA036060
CSPH*2412A**	1.00	0.96	PG9MXA036060
CSPH*3012A**	1.00	0.92	PG9MXA036060

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CAP**2414A**	1.00	1.00	
CAP**2417A**	1.00	1.00	
CAP**3014A**	1.00	1.00	
CAP**3017A**	1.00	1.00	
CNPF*2418A**	1.00	1.00	
CNPH*2417A**	1.00	1.00	
CNPH*3017A**	1.00	1.00	
CNPV*2414A**	1.00	1.00	
CNPV*2417A**	1.00	1.00	
CNPV*3014A**	1.00	1.00	
CNPV*3017A**	1.00	1.00	
CSPH*2412A**	1.00	1.00	
CSPH*3012A**	1.00	1.00	
FF1ENP024	1.00	1.01	
FF1ENP030	1.00	1.01	
PF4MNA024	1.00	1.00	
PF4MNA025	1.00	0.96	
PF4MNA030	1.00	1.00	
PF4MNA031	1.00	0.92	
CAP**2417A**	1.00	0.92	PG9MXA036060
CAP**3017A**	1.00	0.92	PG9MXA036060
CNPH*2417A**	1.00	0.96	PG9MXA036060
CNPH*3017A**	1.00	0.92	PG9MXA036060
CNPV*2417A**	1.00	0.96	PG9MXA036060
CNPV*3017A**	1.00	0.92	PG9MXA036060
CSPH*2412A**	1.00	0.96	PG9MXA036060
CSPH*3012A**	1.00	0.92	PG9MXA036060
CAP**2414A**	1.00	0.92	PG8*EA024045
CAP**3014A**	1.00	0.92	PG8*EA024045
CNPH*2417A**	1.00	0.96	PG8*EA024045
CNPH*3017A**	1.00	0.92	PG8*EA024045
CNPV*2414A**	1.00	0.96	PG8*EA024045
CNPV*3014A**	1.00	0.92	PG8*EA024045
CSPH*2412A**	1.00	0.92	PG8*EA024045
CSPH*3012A**	1.00	0.92	PG8*EA024045
CAP**2417A**	1.00	0.92	PG9MXA036060
CAP**3017A**	1.00	0.92	PG9MXA036060

See notes on pg. 31

DETAILED COOLING CAPACITIES# (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)														
CFM	EWB ° F (° C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)						
		Capacity MBtuHt Total	Sens†	Capacity MBtuHt Total	Sens†	Capacity MBtuHt Total	Sens†	Capacity MBtuHt Total	Sens†	Capacity MBtuHt Total	Sens†					
		Total Sys-tem KW**	Total Sys-tem KW**	Total Sys-tem KW**	Total Sys-tem KW**	Total Sys-tem KW**	Total Sys-tem KW**	Total Sys-tem KW**	Total Sys-tem KW**	Total Sys-tem KW**	Total Sys-tem KW**					
875	72 (22.2)	31.88	16.54	1.97	30.55	16.06	2.21	29.17	15.57	2.48	27.73	15.07	2.77	26.14	14.51	3.10
	67 (19.4)	29.45	20.69	1.97	28.21	20.19	2.21	26.90	19.68	2.47	25.54	19.15	2.77	24.04	18.57	3.09
	62 (16.7)	27.29	24.80	1.96	26.15	24.27	2.20	24.96	23.68	2.47	23.83	23.83	2.76	22.65	22.65	3.09
	57 (13.9)	26.90	26.90	1.96	25.94	25.94	2.20	24.91	24.91	2.47	23.83	23.83	2.76	22.65	22.65	3.09
	72 (22.2)	32.25	17.34	2.02	30.87	16.96	2.26	29.45	16.36	2.53	27.98	15.96	2.82	26.34	15.30	3.14
1000	67 (19.4)	29.82	22.01	2.01	28.55	21.52	2.25	27.20	21.00	2.52	25.81	20.47	2.81	24.28	19.88	3.14
	62 (16.7)	27.85	27.62	2.01	26.81	26.81	2.25	25.72	25.72	2.51	24.59	24.59	2.81	23.35	23.35	3.14
	57 (13.9)	27.82	27.82	2.01	26.81	26.81	2.25	25.73	25.73	2.51	24.60	24.60	2.81	23.35	23.35	3.14
	72 (22.2)	32.50	18.10	2.07	31.08	17.61	2.31	29.63	17.12	2.57	28.13	16.61	2.87	26.46	16.05	3.19
	67 (19.4)	30.08	23.28	2.06	28.78	22.78	2.30	27.41	22.26	2.57	26.00	21.72	2.86	24.45	21.12	3.19
1125	62 (16.7)	28.55	28.55	2.06	27.50	27.50	2.30	26.36	26.36	2.56	25.19	25.19	2.86	23.89	23.89	3.18
	57 (13.9)	28.55	28.55	2.06	27.50	27.50	2.30	26.37	26.37	2.56	25.19	25.19	2.86	23.89	23.89	3.18

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL
				Model	Model			
*CAP**3014A**	1.00	1.00		CNPH*3617A**	1.00	0.94	PG8*EA048090	
CAP**3017A**	1.00	1.00		CNPH*3617A**	1.00	0.94	PG8*EA048090	
CAP**3614A**	1.00	1.00		CSPH*3012A**	1.00	0.94	PG8*EA048090	
CAP**3617A**	1.00	1.00		CSPH*3612A**	1.00	0.90	PG8*EA048090	
CAP**3621A**	1.00	1.00		CAP**3017A**	1.00	0.94	PG9MXA036060	
CNPF*3618A**	1.00	1.00		CAP**3617A**	1.00	0.90	PG9MXA036060	
CNPH*3017A**	1.00	1.00		CNPH*3017A**	1.00	0.94	PG9MXA036060	
CNPH*3617A**	1.00	1.00		CNPH*3617A**	1.00	0.94	PG9MXA036060	
CNPV*3014A**	1.00	1.00		CNPV*3017A**	1.00	0.94	PG9MXA036060	
CNPV*3017A**	1.00	1.00		CNPV*3617A**	1.00	0.94	PG9MXA036060	
CNPV*3617A**	1.00	1.00		CSPH*3012A**	1.00	0.90	PG9MXA036060	
CNPV*3621A**	1.00	1.00		CSPH*3612A**	1.00	0.90	PG9MXA036060	
CSPH*3012A**	1.00	1.00		CAP**3017A**	1.00	0.94	PG9MXA048080	
CSPH*3612A**	1.00	1.00		CAP**3617A**	1.00	0.94	PG9MXA048080	
FF1ENP030	1.00	1.00		CNPH*3017A**	1.00	0.94	PG9MXA048080	
FF1ENP036	1.00	0.98		CNPH*3617A**	1.00	0.94	PG9MXA048080	
PF4MNA030	1.00	1.00		CNPV*3017A**	1.00	0.94	PG9MXA048080	
PF4MNA036	1.00	0.94		CNPV*3617A**	1.00	0.94	PG9MXA048080	
PF4MNA037	1.00	0.98		CSPH*3012A**	1.00	0.94	PG9MXA048080	
CAP**3017A**	1.00	0.94	PG9MXA036080	CSPH*3612A**	1.00	0.94	PG9MXA048080	
CAP**3617A**	1.00	0.90	PG9MXA036080	CSPH*3612A**	1.00	0.90	PG9MXA048080	
CNPH*3017A**	1.00	0.90	PG9MXA036080	CAP**3017A**	1.00	0.94	PG8*EA048070	
CNPH*3617A**	1.00	0.90	PG9MXA036080	CAP**3617A**	1.00	0.94	PG8*EA048070	
CNPV*3017A**	1.00	0.90	PG9MXA036080	CNPH*3017A**	1.00	0.94	PG8*EA048070	
CNPV*3617A**	1.00	0.90	PG9MXA036080	CNPH*3617A**	1.00	0.94	PG8*EA048070	
CSPH*3012A**	1.00	0.94	PG9MXA036080	CNPV*3017A**	1.00	0.94	PG8*EA048070	
CSPH*3612A**	1.00	0.90	PG9MXA036080	CNPV*3617A**	1.00	0.94	PG8*EA048070	
CAP**3017A**	1.00	0.94	PG8*EA048070	CNPH*3017A**	1.00	0.94	PG8*EA048070	
CAP**3617A**	1.00	0.94	PG8*EA048070	CNPH*3617A**	1.00	0.94	PG8*EA048070	
CNPH*3017A**	1.00	0.94	PG8*EA048070	CNPV*3017A**	1.00	0.94	PG8*EA048070	
CNPH*3617A**	1.00	0.94	PG8*EA048070	CNPV*3617A**	1.00	0.94	PG8*EA048070	
CNPV*3012A**	1.00	0.94	PG8*EA048070	CSPH*3012A**	1.00	0.94	PG8*EA048070	
CNPV*3612A**	1.00	0.90	PG8*EA048070	CSPH*3612A**	1.00	0.90	PG8*EA048070	
CAP**3621A**	1.00	0.90	PG8*EA048090	CAP**3621A**	1.00	0.90	PG8*EA048090	
CNPH*3017A**	1.00	0.94	PG8*EA048090	CNPH*3017A**	1.00	0.94	PG8*EA048090	

See notes on pg. 31

DETAILED COOLING CAPACITIES# (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)																									
		75 (23.9)				85 (29.4)				95 (35)				105 (40.6)				115 (46.1)				125 (51.7)					
		CFM	EWB ° F (° C)	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**			
Total	Sens†			Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†				
PA13NA036-C Outdoor Section With CAP**4821* Indoor Section																											
1050		72 (22.2)	40.34	38.60	20.62	2.47	2.75	19.33	36.70	33.61	24.28	3.05	3.39	34.57	31.59	22.49	3.37	3.72	32.01	29.23	22.81	3.72	4.11	29.20	26.85	21.84	4.10
		67 (19.4)	36.94	35.35	25.58	2.46	2.73	31.31	33.61	31.56	24.28	3.03	3.37	31.56	29.39	22.53	3.35	3.70	27.20	27.20	21.64	3.70	4.09	27.20	24.78	20.66	4.09
		63 (17.2)††	34.49	33.00	24.67	2.45	2.72	31.31	33.61	29.38	22.53	3.02	3.35	29.38	23.39	20.05	3.02	3.35	27.59	27.59	21.59	3.70	4.09	27.59	25.56	25.56	4.09
		62 (16.7)	34.02	32.61	30.48	2.45	2.72	31.04	29.05	30.92	29.35	3.02	3.35	29.35	28.35	25.35	3.02	3.35	27.56	27.56	21.59	3.70	4.09	27.56	25.53	25.53	4.09
		57 (13.9)	33.46	33.46	33.46	2.45	2.72	30.92	30.92	30.92	29.35	3.02	3.35	29.35	28.35	25.35	3.02	3.35	27.56	27.56	21.59	3.70	4.09	27.56	25.53	25.53	4.09
		72 (22.2)	40.87	39.06	21.58	2.53	2.81	37.09	37.09	37.09	34.41	3.44	3.80	34.41	32.28	28.35	3.44	3.80	32.28	32.28	28.35	3.70	4.17	32.28	29.38	28.35	4.17
		67 (19.4)	37.43	35.79	27.14	2.52	2.79	34.00	34.00	34.00	31.91	3.42	3.78	31.91	29.73	25.05	3.42	3.78	29.73	29.73	25.05	3.78	4.15	29.73	26.89	25.05	4.15
		63 (17.2)††	34.98	34.98	26.12	2.51	2.78	31.73	31.73	31.73	29.38	3.41	3.76	29.38	27.20	23.07	3.41	3.76	27.20	27.20	23.07	3.76	4.14	27.20	25.04	22.05	4.14
		62 (16.7)	34.75	33.43	32.56	2.51	2.78	32.03	32.03	32.03	30.35	3.41	3.77	30.35	28.44	24.44	3.41	3.77	28.44	28.44	24.44	3.77	4.15	28.44	26.28	24.44	4.15
		57 (13.9)	34.65	34.65	34.65	2.51	2.78	31.99	31.99	31.99	30.31	3.41	3.77	30.31	28.40	24.40	3.41	3.77	28.40	28.40	24.40	3.77	4.15	28.40	26.25	24.40	4.15
		72 (22.2)	41.26	39.39	22.51	2.59	2.87	37.37	37.37	37.37	35.13	3.17	3.50	35.13	32.45	28.45	3.17	3.50	32.45	32.45	28.45	3.50	4.23	32.45	29.49	28.45	4.23
		67 (19.4)	37.82	36.13	28.04	2.85	3.29	34.29	34.29	34.29	32.19	3.15	3.48	32.19	29.75	25.62	3.15	3.48	29.75	29.75	25.62	3.83	4.21	29.75	27.09	24.56	4.21
		63 (17.2)††	35.37	33.79	27.55	2.66	2.83	32.06	32.06	32.06	30.01	3.13	3.47	30.01	27.74	24.42	3.13	3.47	27.74	27.74	24.42	3.82	4.20	27.74	25.26	23.33	4.20
		62 (16.7)	35.66	34.33	34.33	2.57	2.84	32.86	32.86	32.86	31.11	3.14	3.48	31.11	29.10	25.10	3.14	3.48	29.10	29.10	25.10	3.83	4.21	29.10	26.84	24.84	4.21
		57 (13.9)	35.62	34.29	34.29	2.57	2.84	32.83	32.83	32.83	31.08	3.14	3.48	31.08	29.07	25.07	3.14	3.48	29.07	29.07	25.07	3.83	4.21	29.07	26.81	24.81	4.21

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL
				Total	Sens†				Total	Sens†				Total	Sens†				Total	Sens†			
*CAP**4821A**	1.00	1.00		CAP**4821A**	1.00	0.96	PG8*EA048090	CAP**4821A**	1.00	0.96	PG8*EA048090	CAP**4821A**	1.00	0.96	PG8*EA048090	CAP**4821A**	1.00	0.96	PG8*EA048090	CAP**4821A**	1.00	0.96	PG8*EA048090
CAP**4817A**	1.00	1.00		CAP**4823A**	1.00	0.96	PG8*EA048090	CAP**4823A**	1.00	0.96	PG8*EA048090	CAP**4823A**	1.00	0.96	PG8*EA048090	CAP**4823A**	1.00	0.96	PG8*EA048090	CAP**4823A**	1.00	0.96	PG8*EA048090
CAP**4824A**	1.00	1.00		CNPV**3617A**	0.97	0.93	PG8*EA048090	CNPV**3617A**	0.97	0.93	PG8*EA048090	CNPV**3617A**	0.97	0.93	PG8*EA048090	CNPV**3617A**	0.97	0.93	PG8*EA048090	CNPV**3617A**	0.97	0.93	PG8*EA048090
CNPV**4818A**	1.00	1.00		CNPV**4221A**	0.98	0.94	PG8*EA048090	CNPV**4221A**	0.98	0.94	PG8*EA048090	CNPV**4221A**	0.98	0.94	PG8*EA048090	CNPV**4221A**	0.98	0.94	PG8*EA048090	CNPV**4221A**	0.98	0.94	PG8*EA048090
CNPV**4818A**	1.00	1.00		CNPV**4821A**	1.00	0.96	PG8*EA048090	CNPV**4821A**	1.00	0.96	PG8*EA048090	CNPV**4821A**	1.00	0.96	PG8*EA048090	CNPV**4821A**	1.00	0.96	PG8*EA048090	CNPV**4821A**	1.00	0.96	PG8*EA048090
CNPV**4221A**	0.99	0.99		CNPV**3621A**	0.98	0.94	PG8*EA048090	CNPV**3621A**	0.98	0.94	PG8*EA048090	CNPV**3621A**	0.98	0.94	PG8*EA048090	CNPV**3621A**	0.98	0.94	PG8*EA048090	CNPV**3621A**	0.98	0.94	PG8*EA048090
CNPV**4821A**	1.00	1.00		CNPV**4221A**	0.99	0.95	PG8*EA048090	CNPV**4221A**	0.99	0.95	PG8*EA048090	CNPV**4221A**	0.99	0.95	PG8*EA048090	CNPV**4221A**	0.99	0.95	PG8*EA048090	CNPV**4221A**	0.99	0.95	PG8*EA048090
CNPV**4217A**	0.99	0.99		CNPV**4821A**	1.00	0.96	PG8*EA048090	CNPV**4821A**	1.00	0.96	PG8*EA048090	CNPV**4821A**	1.00	0.96	PG8*EA048090	CNPV**4821A**	1.00	0.96	PG8*EA048090	CNPV**4821A**	1.00	0.96	PG8*EA048090
CNPV**4221A**	0.99	0.99		CSPH**3612A**	0.99	0.95	PG8*EA048090	CSPH**3612A**	0.99	0.95	PG8*EA048090	CSPH**3612A**	0.99	0.95	PG8*EA048090	CSPH**3612A**	0.99	0.95	PG8*EA048090	CSPH**3612A**	0.99	0.95	PG8*EA048090
CNPV**4821A**	1.00	1.00		CSPH**4212A**	0.99	0.95	PG8*EA048090	CSPH**4212A**	0.99	0.95	PG8*EA048090	CSPH**4212A**	0.99	0.95	PG8*EA048090	CSPH**4212A**	0.99	0.95	PG8*EA048090	CSPH**4212A**	0.99	0.95	PG8*EA048090
CNPV**4824A**	1.00	1.00		CSPH**4812A**	1.00	0.96	PG8*EA048090	CSPH**4812A**	1.00	0.96	PG8*EA048090	CSPH**4812A**	1.00	0.96	PG8*EA048090	CSPH**4812A**	1.00	0.96	PG8*EA048090	CSPH**4812A**	1.00	0.96	PG8*EA048090
CSPH**4212A**	0.99	0.99		CAP**3621A**	0.99	0.95	PG8*EA060110	CAP**3621A**	0.99	0.95	PG8*EA060110	CAP**3621A**	0.99	0.95	PG8*EA060110	CAP**3621A**	0.99	0.95	PG8*EA060110	CAP**3621A**	0.99	0.95	PG8*EA060110
CSPH**4812A**	1.00	1.00		CAP**4221A**	0.99	0.95	PG8*EA060110	CAP**4221A**	0.99	0.95	PG8*EA060110	CAP**4221A**	0.99	0.95	PG8*EA060110	CAP**4221A**	0.99	0.95	PG8*EA060110	CAP**4221A**	0.99	0.95	PG8*EA060110
FF1ENP037	0.98	0.98		CAP**4821A**	1.00	0.96	PG8*EA060110	CAP**4821A**	1.00	0.96	PG8*EA060110	CAP**4821A**	1.00	0.96	PG8*EA060110	CAP**4821A**	1.00	0.96	PG8*EA060110	CAP**4821A**	1.00	0.96	PG8*EA060110
PF4MNA037	0.99	0.99		CAP**4823A**	1.00	0.96	PG8*EA060110	CAP**4823A**	1.00	0.96	PG8*EA060110	CAP**4823A**	1.00	0.96	PG8*EA060110	CAP**4823A**	1.00	0.96	PG8*EA060110	CAP**4823A**	1.00	0.96	PG8*EA060110
PF4MNA042	0.98	0.98		CNPV**3617A**	0.97	0.93	PG8*EA060110	CNPV**3617A**	0.97	0.93	PG8*EA060110	CNPV**3617A**	0.97	0.93	PG8*EA060110	CNPV**3617A**	0.97	0.93	PG8*EA060110	CNPV**3617A**	0.97	0.93	PG8*EA060110
PF4MNA043	0.99	0.99		CNPV**4221A**	0.98	0.94	PG8*EA060110	CNPV**4221A**	0.98	0.94	PG8*EA060110	CNPV**4221A**	0.98	0.94	PG8*EA060110	CNPV**4221A**	0.98	0.94	PG8*EA060110	CNPV**4221A**	0.98	0.94	PG8*EA060110
CAP**3614A**	0.97	0.97		CNPV**4821A**	1.00	0.96	PG8*EA060110	CNPV**4821A**	1.00	0.96	PG8*EA060110	CNPV**4821A**	1.00	0.96	PG8*EA060110	CNPV**4821A**	1.00	0.96	PG8*EA060110	CNPV**4821A**	1.00	0.96	PG8*EA060110
CNPV**3617A**	0.97	0.97		CNPV**3621A**	0.98	0.94	PG8*EA060110	CNPV**3621A**	0.98	0.94	PG8*EA060110	CNPV**3621A**	0.98	0.94	PG8*EA060110	CNPV**3621A**	0.98	0.94	PG8*EA060110	CNPV**3621A**	0.98	0.94	PG8*EA060110
CNPV**4217A**	0.98	0.98		CNPV**4221A**	0.99	0.95	PG8*EA060110	CNPV**4221A**	0.99	0.95	PG8*EA060110	CNPV**4221A**	0.99	0.95	PG8*EA060110	CNPV**4221A**	0.99	0.95	PG8*EA060110	CNPV**4221A**	0.99	0.95	PG8*EA060110
CNPV**3612A**	0.99	0.99		CNPV**4821A**	1.00	0.96	PG8*EA060110	CNPV**4821A**	1.00	0.96	PG8*EA060110	CNPV**4821A**	1.00	0.96	PG8*EA060110	CNPV**4821A**	1.00	0.96	PG8*EA060110	CNPV**4821A**	1.00	0.96	PG8*EA060110
CNPV**4212A**	0.99	0.99		CSPH**3612A**	0.99	0.95	PG8*EA060110	CSPH**3612A**	0.99	0.95	PG8*EA060110	CSPH**3612A**	0.99	0.95	PG8*EA060110	CSPH**3612A**	0.99	0.95	PG8*EA060110	CSPH**3612A**	0.99	0.95	PG8*EA060110
CNPV**3617A**	0.98	0.98		CSPH**4212A**	0.99	0.95	PG8*EA060110	CSPH**4212A**	0.99	0.95	PG8*EA060110	CSPH**4212A**	0.99	0.95	PG8*EA060110	CSPH**4212A**	0.99	0.95	PG8*EA060110	CSPH**4212A**	0.99	0.95	PG8*EA0

DETAILED COOLING CAPACITIES# (CONT.)

PA13NA036—C Outdoor Section With CAP**4821* Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*3621A**	0.98	0.94	PG9MXA060100
CNPV*4221A**	0.99	0.95	PG9MXA060100
CNPV*4821A**	1.00	0.96	PG9MXA060100
CSPH*3612A**	0.99	0.95	PG9MXA060100
CSPH*4212A**	0.99	0.95	PG9MXA060100
CSPH*4812A**	1.00	0.96	PG9MXA060100
CAP**4824A**	1.00	0.96	PG9MXA060120
CNPH*4821A**	1.00	0.96	PG9MXA060120
CNPV*4824A**	1.00	0.96	PG9MXA060120
CSPH*4812A**	1.00	0.96	PG9MXA060120

See notes on pg. 31

DETAILED COOLING CAPACITIES# (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)									
CFM	EWB ° F (° C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)	
		Capacity MBtu/h Total	Sens†	Capacity MBtu/h Total	Sens†	Capacity MBtu/h Total	Sens†	Capacity MBtu/h Total	Sens†	Capacity MBtu/h Total	Sens†
1225	72 (22.2)	46.73	23.07	44.70	22.34	42.56	21.57	40.30	20.78	37.86	19.94
	67 (19.4)	42.85	28.38	40.97	27.64	38.98	26.86	36.89	26.05	34.65	25.19
	62 (16.7)	39.35	33.67	37.65	32.90	35.87	32.09	34.03	31.22	32.16	30.32
1400	72 (22.2)	47.42	24.09	45.31	23.35	43.09	22.57	40.75	21.77	38.23	20.92
	67 (19.4)	43.52	30.05	41.57	29.29	39.50	28.50	37.35	27.69	35.04	26.83
	62 (16.7)	40.18	35.98	38.29	35.17	36.65	36.65	35.04	35.04	33.24	33.24
1575	72 (22.2)	47.94	25.07	45.76	24.32	43.48	23.54	41.08	22.73	38.49	21.87
	67 (19.4)	44.03	31.67	42.02	30.91	39.90	30.12	37.70	29.30	35.34	28.42
	62 (16.7)	40.98	40.58	39.39	39.39	37.73	37.73	35.97	35.97	34.07	34.07
	57 (13.9)	40.96	40.96	39.40	39.40	37.74	37.74	35.98	35.98	34.07	34.07

COOLING INDOOR MODEL		CAPACITY		POWER		FURNACE MODEL	
Model	Capacity	Power	Furnace Model	Model	Capacity	Power	Furnace Model
*CAP**421A**	1.00	1.00	PG8*EA060110	CSPH*4212A**	1.01	0.93	PG8*EA060110
CAP**4224A**	1.00	1.00	PG8*EA060110	CSPH*4812A**	1.01	0.93	PG8*EA060135
CAP**4817A**	1.01	1.01	PG8*EA060135	CAP**4224A**	1.00	0.96	PG8*EA060135
CAP**4821A**	1.01	1.01	PG8*EA060135	CAP**4824A**	1.01	0.93	PG8*EA060135
CAP**4824A**	1.01	1.01	PG8*EA060135	CNPH*4221A**	0.99	0.94	PG8*EA060135
CNPF*4818A**	1.01	1.01	PG8*EA060135	CNPH*4821A**	1.01	0.93	PG8*EA060135
CNPH*4212A**	1.00	1.00	PG8*EA060135	CNPH*4824A**	1.01	0.93	PG8*EA060135
CNPH*4821A**	1.01	1.01	PG8*EA060135	CNPH*4212A**	1.01	0.93	PG8*EA060135
CNPH*4824A**	1.01	1.01	PG8*EA060135	CSPH*4812A**	1.01	0.93	PG8*EA060135
CNPV*4217A**	0.99	0.99	PG8*EA060135	CAP**4817A**	1.00	0.96	PG8*EA060135
CNPV*4221A**	1.00	1.00	PG8*EA060135	CNPH*4817A**	1.00	0.96	PG8*EA060135
CNPV*4821A**	1.01	1.01	PG8*EA060135	CNPH*4221A**	0.99	0.94	PG8*EA060135
CNPV*4824A**	1.01	1.01	PG8*EA060135	CNPH*4821A**	1.01	0.97	PG8*EA060135
CSPH*4212A**	1.01	1.01	PG8*EA060135	CNPH*4824A**	1.01	0.94	PG8*EA060135
CSPH*4812A**	1.01	1.01	PG8*EA060135	CNPV*4217A**	0.99	0.94	PG8*EA060135
PF4MNA042	1.00	1.00	PG8*EA060135	CSPH*4212A**	0.99	0.94	PG8*EA060135
PF4MNA043	1.00	0.96	PG8*EA060135	CSPH*4812A**	1.00	0.96	PG8*EA060135
PF4MNA048	1.01	1.01	PG8*EA060135	CAP**4817A**	1.00	0.96	PG8*EA060135
PF4MNA049	1.01	0.93	PG8*EA060135	CNPH*4221A**	0.99	0.94	PG8*EA060135
CAP**4817A**	1.00	0.96	PG8*EA060135	CNPH*4821A**	1.01	0.97	PG8*EA060135
CNPH*4221A**	0.99	0.94	PG8*EA060135	CNPH*4824A**	1.01	0.94	PG8*EA060135
CNPH*4821A**	1.01	1.01	PG8*EA060135	CNPV*4217A**	0.99	0.94	PG8*EA060135
CNPH*4824A**	1.01	1.01	PG8*EA060135	CSPH*4212A**	0.99	0.94	PG8*EA060135
CNPV*4217A**	0.99	0.94	PG8*EA060135	CSPH*4812A**	1.00	0.96	PG8*EA060135
CNPV*4221A**	1.00	1.00	PG8*EA060135	CAP**4221A**	1.00	0.96	PG8*EA060135
CNPV*4821A**	1.01	1.01	PG8*EA060135	CAP**4823A**	1.00	0.92	PG8*EA060135
CNPV*4824A**	1.01	1.01	PG8*EA060135	CAP**4824A**	1.00	0.92	PG8*EA060135
CSPH*4212A**	1.01	0.93	PG8*EA060135	CNPH*4221A**	0.99	0.94	PG8*EA060135
CSPH*4812A**	1.01	0.93	PG8*EA060135	CNPH*4821A**	1.00	0.92	PG8*EA060135
CAP**4821A**	1.01	0.93	PG8*EA060135	CNPH*4824A**	1.00	0.92	PG8*EA060135
CAP**4824A**	1.01	0.93	PG8*EA060135	CNPV*4217A**	0.99	0.94	PG8*EA060135
CNPH*4212A**	1.00	0.93	PG8*EA060135	CNPV*4221A**	1.00	0.92	PG8*EA060135
CNPH*4821A**	1.01	0.93	PG8*EA060135	CNPV*4821A**	1.01	0.92	PG8*EA060135
CNPH*4824A**	1.01	0.93	PG8*EA060135	CNPV*4824A**	1.01	0.92	PG8*EA060135
CNPV*4217A**	0.99	0.94	PG8*EA060135	CAP**4824A**	1.00	0.92	PG8*EA060135
CNPV*4221A**	1.00	1.00	PG8*EA060135	CNPH*4221A**	0.99	0.94	PG8*EA060135
CNPV*4821A**	1.01	1.01	PG8*EA060135	CNPH*4821A**	1.00	0.92	PG8*EA060135
CNPV*4824A**	1.01	1.01	PG8*EA060135	CNPH*4824A**	1.00	0.92	PG8*EA060135

See notes on pg. 31

DETAILED COOLING CAPACITIES# (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)																							
		75 (23.9)				85 (29.4)				95 (35)				105 (40.6)				115 (46.1)				125 (51.7)			
		CFM	EWB ° F (° C)	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**				
Total	Sens†			Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†					
PA13NA042-C Outdoor Section With CAP**4221* Indoor Section																									
	72 (22.2)	49.16	25.09	3.03	44.51	23.38	3.68	41.96	22.46	4.07	39.23	21.48	4.51	36.29	20.45	5.00									
	67 (19.4)	44.64	30.66	3.01	40.40	28.94	3.65	38.08	28.01	4.05	35.59	27.04	4.49	32.93	26.01	4.98									
1225	63 (17.2)††	41.33	29.46	2.99	37.39	27.74	3.64	35.23	26.82	4.03	32.93	25.85	4.47	30.45	24.82	4.97									
	62 (16.7)	40.67	36.17	2.99	36.94	34.41	3.64	34.95	33.41	4.03	33.03	33.03	4.47	31.00	31.00	4.97									
	57 (13.9)	39.56	39.56	2.98	36.09	36.52	3.63	34.83	34.83	4.03	32.98	32.98	4.47	30.96	30.96	4.97									
	72 (22.2)	50.01	26.25	3.11	45.14	24.50	3.75	42.50	23.57	4.14	39.66	22.57	4.58	36.64	21.53	5.07									
	67 (19.4)	45.44	32.51	3.08	43.27	31.65	3.73	38.61	29.83	4.12	36.04	28.84	4.56	33.31	27.79	5.05									
1400	63 (17.2)††	42.11	31.20	3.07	40.09	30.33	3.71	35.77	28.51	4.10	33.38	27.53	4.54	30.84	26.47	5.04									
	62 (16.7)	41.64	38.71	3.06	39.79	37.78	3.71	36.15	36.15	4.10	34.17	34.17	4.55	32.01	32.01	5.04									
	57 (13.9)	41.18	41.18	3.06	39.60	39.60	3.71	36.10	36.10	4.10	34.13	34.13	4.55	31.97	31.97	5.04									
	72 (22.2)	50.95	27.97	3.22	48.46	27.09	3.86	43.07	25.22	4.25	40.12	24.22	4.69	36.97	23.15	5.18									
	67 (19.4)	46.34	35.30	3.20	44.08	34.43	3.84	39.22	32.56	4.23	36.57	31.53	4.67	33.75	30.40	5.16									
1675	63 (17.2)††	42.99	33.79	3.16	40.89	32.92	3.82	36.38	31.05	4.21	33.92	30.00	4.65	31.31	28.86	5.15									
	62 (16.7)	43.24	43.24	3.18	41.50	41.50	3.83	37.68	37.68	4.22	35.53	35.53	4.66	33.20	33.20	5.16									
	57 (13.9)	43.19	43.19	3.18	41.45	41.45	3.83	37.64	37.64	4.22	35.50	35.50	4.66	33.17	33.17	5.16									

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CAP**4221A**	1.00	1.00		CAP**4221A**	1.00	0.96	PG8*EA060110	CAP**4221A**	1.00	0.96	PG8*EA060110	CAP**4221A**	1.00	0.97	PG9MXA060100
CAP**4224A**	1.00	1.00		CAP**4821A**	1.01	0.97	PG8*EA060110	CAP**4821A**	1.01	0.97	PG8*EA060110	CAP**4821A**	1.01	0.96	PG9MXA060100
CAP**4817A**	1.01	1.01		CAP**4823A**	1.01	0.97	PG8*EA060110	CAP**4823A**	1.01	0.97	PG8*EA060110	CAP**4823A**	1.01	0.97	PG9MXA060100
CAP**4817A**	1.01	1.01		CNPV*4221A**	1.01	0.97	PG8*EA060110	CNPV*4221A**	1.01	0.97	PG8*EA060110	CNPV*4221A**	1.01	0.96	PG9MXA060100
CAP**4823A**	1.01	1.01		CNPV*4821A**	1.01	0.97	PG8*EA060110	CNPV*4821A**	1.01	0.97	PG8*EA060110	CNPV*4821A**	1.01	0.97	PG9MXA060100
CAP**4824A**	1.01	1.01		CNPV*4824A**	1.01	0.97	PG8*EA060110	CNPV*4824A**	1.01	0.97	PG8*EA060110	CNPV*4824A**	1.01	0.96	PG9MXA060100
CNPV*4818A**	1.01	1.00		CNPV*4821A**	1.01	0.97	PG8*EA060110	CNPV*4821A**	1.01	0.97	PG8*EA060110	CNPV*4821A**	1.01	0.96	PG9MXA060100
CNPV*4821A**	1.00	1.00		CSPH*4212A**	1.00	0.96	PG8*EA060110	CSPH*4212A**	1.00	0.96	PG8*EA060110	CSPH*4212A**	1.00	0.97	PG9MXA060100
CNPV*4821A**	1.01	1.01		CSPH*4812A**	1.01	0.97	PG8*EA060110	CSPH*4812A**	1.01	0.97	PG8*EA060110	CSPH*4812A**	1.01	0.96	PG9MXA060100
CNPV*4821A**	1.00	1.00		CAP**4224A**	1.00	0.96	PG8*EA060135	CAP**4224A**	1.00	0.96	PG8*EA060135	CAP**4224A**	1.00	0.97	PG9MXA060100
CNPV*4821A**	1.00	1.00		CAP**4824A**	1.01	0.97	PG8*EA060135	CAP**4824A**	1.01	0.97	PG8*EA060135	CAP**4824A**	1.01	0.96	PG9MXA060100
CNPV*4821A**	1.01	1.01		CNPV*4221A**	1.00	0.96	PG8*EA060135	CNPV*4221A**	1.00	0.96	PG8*EA060135	CNPV*4221A**	1.00	0.97	PG9MXA060100
CNPV*4824A**	1.01	1.01		CNPV*4821A**	1.01	0.97	PG8*EA060135	CNPV*4821A**	1.01	0.97	PG8*EA060135	CNPV*4821A**	1.01	0.96	PG9MXA060100
CSPH*4212A**	1.00	1.00		CNPV*4824A**	1.01	0.97	PG8*EA060135	CNPV*4824A**	1.01	0.97	PG8*EA060135	CNPV*4824A**	1.01	0.97	PG9MXA060100
CSPH*4812A**	1.01	1.01		CSPH*4212A**	1.00	0.96	PG8*EA060135	CSPH*4212A**	1.00	0.96	PG8*EA060135	CSPH*4212A**	1.00	0.97	PG9MXA060100
PFAMNA042	1.00	1.00		CSPH*4812A**	1.01	0.97	PG8*EA060135	CSPH*4812A**	1.01	0.97	PG8*EA060135	CSPH*4812A**	1.01	0.96	PG9MXA060100
PFAMNA043	1.01	0.97		CAP**4825A**	1.01	0.97	PG9MTA V60100*A**	CAP**4825A**	1.01	0.97	PG9MTA V60100*A**	CAP**4825A**	1.01	0.97	PG9MXA060100
PFAMNA048	1.01	1.01		CAP**4817A**	1.01	0.97	PG9MXA036060	CAP**4817A**	1.01	0.97	PG9MXA036060	CAP**4817A**	1.01	0.97	PG9MXA060100
PFAMNA049	1.02	0.98		CNPV*4221A**	1.00	1.00	PG9MXA036060	CNPV*4221A**	1.00	1.00	PG9MXA036060	CNPV*4221A**	1.00	0.97	PG9MXA060100
CAP**4817A**	1.01	1.01	PG8*EA048070	CNPV*4821A**	1.01	0.97	PG9MXA036060	CNPV*4821A**	1.01	0.97	PG9MXA036060	CNPV*4821A**	1.01	0.96	PG9MXA060100
CNPV*4221A**	1.00	1.00	PG8*EA048070	CNPV*4217A**	1.00	0.96	PG9MXA036060	CNPV*4217A**	1.00	0.96	PG9MXA036060	CNPV*4217A**	1.00	0.97	PG9MXA060100
CNPV*4821A**	1.01	1.01	PG8*EA048070	CSPH*4212A**	1.00	0.96	PG9MXA036060	CSPH*4212A**	1.00	0.96	PG9MXA036060	CSPH*4212A**	1.00	0.97	PG9MXA060100
CNPV*4217A**	1.00	1.00	PG8*EA048070	CSPH*4812A**	1.01	0.97	PG9MXA036060	CSPH*4812A**	1.01	0.97	PG9MXA036060	CSPH*4812A**	1.01	0.96	PG9MXA060100
CSPH*4212A**	1.00	1.00	PG8*EA048070	CAP**4817A**	1.01	0.97	PG9MXA036060	CAP**4817A**	1.01	0.97	PG9MXA036060	CAP**4817A**	1.01	0.97	PG9MXA060100
CSPH*4812A**	1.01	1.01	PG8*EA048070	CNPV*4221A**	1.00	0.96	PG9MXA036060	CNPV*4221A**	1.00	0.96	PG9MXA036060	CNPV*4221A**	1.00	0.97	PG9MXA060100
CAP**4221A**	1.00	0.96	PG8*EA048090	CNPV*4821A**	1.01	0.97	PG9MXA036060	CNPV*4821A**	1.01	0.97	PG9MXA036060	CNPV*4821A**	1.01	0.96	PG9MXA060100
CAP**4821A**	1.01	0.97	PG8*EA048090	CNPV*4217A**	1.00	0.96	PG9MXA036060	CNPV*4217A**	1.00	0.96	PG9MXA036060	CNPV*4217A**	1.00	0.97	PG9MXA060100
CAP**4823A**	1.01	0.97	PG8*EA048090	CSPH*4212A**	1.00	0.96	PG9MXA036060	CSPH*4212A**	1.00	0.96	PG9MXA036060	CSPH*4212A**	1.00	0.97	PG9MXA060100
CNPV*4221A**	1.00	0.96	PG8*EA048090	CSPH*4812A**	1.01	0.97	PG9MXA036060	CSPH*4812A**	1.01	0.97	PG9MXA036060	CSPH*4812A**	1.01	0.96	PG9MXA060100
CNPV*4821A**	1.01	0.97	PG8*EA048090	CAP**4817A**	1.01	0.97	PG9MXA036060	CAP**4817A**	1.01	0.97	PG9MXA036060	CAP**4817A**	1.01	0.97	PG9MXA060100
CSPH*4212A**	1.00	0.96	PG8*EA048090	CNPV*4221A**	1.00	0.96	PG9MXA036060	CNPV*4221A**	1.00	0.96	PG9MXA036060	CNPV*4221A**	1.00	0.97	PG9MXA060100
CSPH*4812A**	1.01	0.97	PG8*EA048090	CNPV*4821A**	1.01	0.97	PG9MXA036060	CNPV*4821A**	1.01	0.97	PG9MXA036060	CNPV*4821A**	1.01	0.96	PG9MXA060100
CSPH*4812A**	1.00	0.96	PG8*EA048090	CNPV*4217A**	1.00	0.96	PG9MXA036060	CNPV*4217A**	1.00	0.96	PG9MXA036060	CNPV*4217A**	1.00	0.97	PG9MXA060100
CSPH*4812A**	1.01	0.97	PG8*EA048090	CSPH*4212A**	1.00	0.96	PG9MXA036060	CSPH*4212A**	1.00	0.96	PG9MXA036060	CSPH*4212A**	1.00	0.97	PG9MXA060100

See notes on pg. 31

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DETAILED COOLING CAPACITIES# (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)												
CFM	EWB ° F (° C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)				
		Capacity MBtu/h Total	Sens†	Capacity MBtu/h Total	Sens†	Capacity MBtu/h Total	Sens†	Capacity MBtu/h Total	Sens†	Capacity MBtu/h Total	Sens†			
1400	72 (22.2)	54.60	27.69	3.34	52.26	26.84	3.70	49.78	25.94	47.16	25.01	44.34	24.02	5.06
	67 (19.4)	49.83	34.09	3.33	47.64	33.21	3.70	45.33	32.30	42.89	31.34	40.29	30.34	5.05
	62 (16.7)	45.55	40.45	3.32	43.56	39.53	3.69	41.50	38.56	39.36	39.17	37.40	37.40	5.05
	57 (13.9)	44.50	44.50	3.32	42.88	42.88	3.69	41.17	41.17	39.35	39.35	37.40	37.40	5.05
	72 (22.2)	55.49	29.01	3.42	53.07	28.15	3.78	50.49	27.24	47.77	26.30	44.86	25.30	5.13
1600	67 (19.4)	50.68	36.22	3.41	48.40	35.33	3.77	46.00	34.40	43.48	33.44	40.81	32.43	5.13
	62 (16.7)	46.57	43.32	3.40	44.58	44.17	3.77	42.69	42.69	40.76	40.76	38.69	38.69	5.13
	57 (13.9)	46.24	46.24	3.40	44.52	44.52	3.77	44.69	44.69	40.76	40.76	38.69	38.69	5.13
	72 (22.2)	56.14	30.25	3.49	53.64	29.38	3.86	50.99	28.46	48.20	27.51	45.21	26.50	5.21
	67 (19.4)	51.29	38.24	3.48	48.95	37.35	3.85	46.49	36.41	43.92	35.44	41.18	34.40	5.21
1800	62 (16.7)	47.65	47.65	3.48	45.85	45.85	3.85	43.93	43.93	41.90	41.90	39.72	39.72	5.21
	57 (13.9)	47.66	47.66	3.48	45.85	45.85	3.85	43.94	43.94	41.90	41.90	39.72	39.72	5.21

COOLING INDOOR MODEL		CAPACITY		POWER		FURNACE MODEL	
*CAP**4821A**	1.00	1.00	0.96	PG8*EA060135			
CAP**4817A**	0.98	0.98	0.94	PG9MXA060100			
CAP**4824A**	1.00	1.00	0.94	PG9MXA060100			
CAP**6021A**	1.01	1.01	0.96	PG9MXA060100			
CAP**6024A**	1.01	1.01	0.94	PG9MXA060100			
CNPF*4818A**	0.98	0.98	0.96	PG9MXA060100			
CNPH*4821A**	1.00	1.00	0.94	PG9MXA060100			
CNPH*6024A**	1.01	1.01	0.94	PG9MXA060100			
CNPV*4821A**	1.00	1.00	0.96	PG9MXA060100			
CNPV*4824A**	1.00	1.00	0.94	PG9MXA060120			
CNPV*6024A**	1.01	1.01	0.96	PG9MXA060120			
CSPH*4812A**	0.98	0.98	0.96	PG9MXA060120			
CSPH*6012A**	1.00	1.00	0.94	PG9MXA060120			
PF-4MNA048	1.00	1.00	0.96	PG9MXA060120			
PF-4MNA060	1.01	1.01	0.94	PG9MXA060120			
PF-4MNA061	1.01	0.97	0.94	PG9MXA060120			
CAP**4821A**	0.98	0.98	0.96	PG8*EA048090			
CAP**6021A**	1.00	1.00	0.96	PG8*EA048090			
CNPH*4821A**	0.98	0.94	0.94	PG8*EA048090			
CNPH*6024A**	1.00	0.96	0.96	PG8*EA048090			
CNPV*4821A**	0.98	0.94	0.94	PG8*EA048090			
CSPH*4812A**	0.98	0.94	0.94	PG8*EA048090			
CAP**4821A**	0.98	0.94	0.94	PG8*EA060110			
CAP**6021A**	1.00	0.92	0.92	PG8*EA060110			
CNPH*4821A**	0.98	0.94	0.94	PG8*EA060110			
CNPH*6024A**	1.00	0.92	0.92	PG8*EA060110			
CNPV*4821A**	0.98	0.94	0.94	PG8*EA060110			
CSPH*4812A**	0.98	0.94	0.94	PG8*EA060110			
CSPH*6012A**	1.00	0.92	0.92	PG8*EA060110			
CAP**4824A**	0.98	0.94	0.94	PG8*EA060135			
CAP**6024A**	1.00	1.00	0.94	PG8*EA060135			
CNPH*4821A**	0.98	0.94	0.94	PG8*EA060135			
CNPH*6024A**	1.00	0.96	0.96	PG8*EA060135			
CNPV*4824A**	0.98	0.96	0.96	PG8*EA060135			
CNPV*6024A**	1.00	0.96	0.96	PG8*EA060135			
CSPH*4812A**	0.98	0.94	0.94	PG8*EA060135			

See notes on pg. 31

DETAILED COOLING CAPACITIES# (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)																							
		75 (23.9)				85 (29.4)				95 (35)				105 (40.6)				115 (46.1)				125 (51.7)			
		CFM	EWB ° F (° C)	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**				
Total	Sens†			Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†					
PA13NA048-C Outdoor Section With CAP**4821* Indoor Section																									
	72 (22.2)	54.82	28.15	3.36	52.39	27.27	3.72	49.80	26.33	4.12	47.10	25.37	4.58	44.24	24.37	5.09	41.29	23.34	5.65						
1400	67 (19.4)	49.99	34.67	3.34	47.75	33.77	3.69	45.36	32.82	4.10	42.86	31.84	4.55	40.23	30.82	5.06	37.50	29.77	5.62						
	63 (17.2)††	46.49	33.39	3.32	44.39	32.48	3.67	42.15	31.52	4.08	39.80	30.52	4.53	37.33	29.49	5.04	34.77	28.44	5.60						
	62 (16.7)	45.74	41.10	3.31	43.74	40.16	3.67	41.63	39.14	4.07	39.47	39.47	4.53	37.49	37.49	5.04	35.39	35.39	5.61						
	57 (13.9)	44.72	44.72	3.31	43.08	43.08	3.67	41.31	41.31	4.07	39.44	39.44	4.53	37.44	37.44	5.04	35.35	35.35	5.61						
	72 (22.2)	55.68	29.50	3.44	53.16	28.60	3.80	50.48	27.66	4.21	47.67	26.67	4.66	44.73	25.66	5.17	41.67	24.62	5.73						
1600	67 (19.4)	50.81	36.84	3.42	48.46	35.92	3.78	46.00	34.96	4.18	43.41	33.97	4.64	40.71	32.93	5.14	37.92	31.88	5.71						
	63 (17.2)††	47.28	35.40	3.40	45.09	34.47	3.76	42.78	33.51	4.16	40.35	32.50	4.62	37.81	31.45	5.12	35.18	30.36	5.69						
	62 (16.7)	46.75	43.96	3.40	44.68	44.68	3.76	42.84	42.84	4.16	40.85	40.85	4.62	38.72	38.72	5.13	36.50	36.50	5.70						
	57 (13.9)	46.42	46.42	3.40	44.66	44.66	3.76	42.79	42.79	4.16	40.80	40.80	4.62	38.68	38.68	5.13	36.46	36.46	5.69						
	72 (22.2)	56.33	30.77	3.53	53.72	29.86	3.88	50.95	28.90	4.29	48.07	27.91	4.75	45.05	26.88	5.25	41.91	25.83	5.81						
1800	67 (19.4)	51.39	38.89	3.50	49.00	37.97	3.86	46.46	37.00	4.26	43.82	35.98	4.72	41.07	34.92	5.23	38.21	33.80	5.79						
	63 (17.2)††	47.87	37.31	3.49	45.62	36.38	3.84	43.24	35.39	4.25	40.76	34.36	4.70	38.16	33.28	5.21	35.50	32.14	5.77						
	62 (16.7)	47.87	47.87	3.49	46.01	46.01	3.84	44.03	44.03	4.25	41.93	41.93	4.71	39.71	39.71	5.22	37.39	37.39	5.78						
	57 (13.9)	47.81	47.81	3.48	45.95	45.95	3.84	43.98	43.98	4.25	41.89	41.89	4.71	39.67	39.67	5.22	37.35	37.35	5.78						

COOLING INDOOR MODEL	COOLING INDOOR MODEL	POWER	CAPACITY	POWER	FURNACE MODEL
*CAP**4821A**	CSPH*4812A**	1.00	1.00	0.96	PG8*EA060110
CAP**4817A**	CSPH*6012A**	1.00	1.01	0.97	PG8*EA060110
CAP**4823A**	CAP**4824A**	1.00	0.98	0.94	PG8*EA060135
CAP**6021A**	CAP**6025A**	1.01	1.01	0.97	PG8*EA060135
CAP**6024A**	CNPH*4821A**	1.01	1.00	0.96	PG8*EA060135
CAP**6025A**	CNPH*6024A**	1.01	1.00	0.96	PG8*EA060135
CNP**4818A**	CNPV*4824A**	1.00	1.00	0.96	PG8*EA060135
CNPH*4821A**	CNPV*6024A**	1.00	1.01	0.97	PG8*EA060135
CNPH*6024A**	CSPH*4812A**	1.00	1.00	0.96	PG8*EA060135
CNPV*4821A**	CSPH*6012A**	1.00	1.01	0.97	PG8*EA060135
CNPV*4824A**	CAP**4823A**	1.00	0.98	0.98	PG9MTA V60100*A**
CNPV*6024A**	CAP**6025A**	1.01	1.01	1.01	PG9MTA V60125*A**
CSPH*4812A**	CAP**4817A**	1.00	0.98	0.98	PG9MXA048080
CSPH*6012A**	CNPV*4821A**	1.00	1.00	1.00	PG9MXA048080
PF4MNA048	CNPV*6024A**	1.00	1.00	1.00	PG9MXA048080
PF4MNA049	CSPH*4812A**	1.01	1.00	1.00	PG9MXA048080
PF4MNA060	CSPH*6012A**	1.01	1.01	1.01	PG9MXA048080
PF4MNA061	CAP**4821A**	1.02	0.98	0.94	PG9MXA060100
CAP**4821A**	CNPV*6024A**	1.00	1.00	0.96	PG9MXA060100
CAP**4823A**	CAP**4823A**	0.98	0.98	0.94	PG9MXA060100
CAP**6021A**	CAP**6021A**	1.01	1.01	0.96	PG9MXA060100
CNPV*4821A**	CNPV*4821A**	1.00	1.00	0.96	PG9MXA060100
CNPV*6024A**	CNPV*6024A**	1.00	1.00	0.96	PG9MXA060100
CSPH*4812A**	CSPH*4812A**	1.00	1.00	0.96	PG9MXA060100
CSPH*6012A**	CSPH*6012A**	1.01	1.01	0.97	PG9MXA060100
PF4MNA048	CAP**4821A**	0.98	0.94	0.97	PG9MXA060120
PF4MNA049	CAP**4823A**	0.98	0.94	0.97	PG9MXA060120
PF4MNA060	CAP**6021A**	1.01	1.01	0.96	PG9MXA060120
PF4MNA061	CAP**6023A**	1.01	1.01	0.96	PG9MXA060120
CAP**4821A**	CNPV*4821A**	1.00	1.00	0.96	PG9MXA060120
CAP**4823A**	CNPV*4824A**	1.00	1.00	0.96	PG9MXA060120
CAP**6021A**	CNPV*6024A**	1.00	1.00	0.96	PG9MXA060120
CNPV*4821A**	CNPV*4821A**	1.00	1.00	0.96	PG9MXA060120
CNPV*6024A**	CNPV*6024A**	1.00	1.00	0.96	PG9MXA060120
CNPV*4821A**	CNPV*4821A**	1.00	1.00	0.96	PG9MXA060120

See notes on pg. 31



DETAILED COOLING CAPACITIES# (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)											
CFM	EWB ° F (° C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)		Total Sys-tem KW**	Capacity MBtuHt Total
		Capacity Total	Sens†	Capacity Total	Sens†	Capacity Total	Sens†	Capacity Total	Sens†	Capacity Total	Sens†		
1750	72 (22.2)	67.21	34.03	64.33	32.99	61.25	31.88	57.99	30.72	54.51	29.50	5.69	54.51
	67 (19.4)	61.78	42.10	59.11	41.03	56.26	39.90	53.27	38.73	50.10	37.51	5.64	50.10
	62 (16.7)	56.85	50.10	54.44	49.01	51.89	47.82	49.28	46.54	46.74	46.74	5.60	46.74
2000	72 (22.2)	68.22	35.65	65.20	34.58	62.01	33.46	58.62	32.28	55.02	31.05	5.79	55.02
	67 (19.4)	62.74	44.73	59.96	43.64	57.00	42.50	53.90	41.32	50.82	40.07	5.74	50.82
	62 (16.7)	58.02	53.65	55.58	52.46	53.19	53.20	50.79	50.79	48.19	48.19	5.71	48.19
2250	72 (22.2)	68.93	37.17	65.81	36.09	62.53	34.96	59.04	33.77	55.34	32.51	5.89	55.34
	67 (19.4)	63.43	47.24	60.56	46.14	57.53	44.99	54.34	43.78	50.99	42.50	5.84	50.99
	62 (16.7)	59.25	59.25	57.01	57.01	54.62	54.62	52.11	52.11	49.36	49.36	5.82	49.36
	57 (13.9)	59.25	4.29	57.01	4.29	54.62	4.75	52.12	52.12	49.36	49.36	5.82	49.36

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CAP**6024A**	1.00	1.00	
CAP**6021A**	0.98	0.98	
CAP**6024A**	1.00	1.00	
CAP**6024A**	1.00	1.00	
CSPH*6012A**	1.00	1.02	
PF4MNA060	1.00	0.96	
CSPH*6012A**	0.98	0.98	PG8*EA048090
CAP**6021A**	0.98	0.94	PG8*EA060110
CSPH*6024A**	0.98	0.94	PG8*EA060110
CSPH*6012A**	0.98	0.94	PG8*EA060110
CAP**6024A**	0.98	0.94	PG8*EA060135
CSPH*6024A**	0.98	0.98	PG8*EA060135
CSPH*6012A**	0.98	0.98	PG8*EA060135
CAP**6021A**	0.98	0.94	PG9MXXA060100
CSPH*6024A**	0.98	0.94	PG9MXXA060100
CSPH*6012A**	0.98	0.94	PG9MXXA060100
CAP**6024A**	0.98	0.94	PG9MXXA060120
CSPH*6025A**	0.98	0.94	PG9MXXA060120
CSPH*6024A**	0.98	0.94	PG9MXXA060120
CSPH*6012A**	0.98	0.94	PG9MXXA060120

See notes on pg. 31

DETAILED COOLING CAPACITIES# (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)																							
		75 (23.9)				85 (29.4)				95 (35)				105 (40.6)				115 (46.1)				125 (51.7)			
		CFM	EWB ° F (° C)	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**				
Total	Sens†			Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†					
PA13NA060-C Outdoor Section With CAP**6024* Indoor Section																									
	72 (22.2)	68.99	35.28	4.28	65.80	34.11	4.75	62.23	32.82	5.25	59.30	31.43	5.79	53.95	29.90	6.38	49.26	28.28	7.01						
	67 (19.4)	63.09	43.48	4.23	60.19	42.31	4.68	57.00	41.04	5.18	53.42	39.64	5.73	48.45	38.10	6.31	45.14	36.44	6.95						
	63 (17.2)††	56.86	41.96	4.20	56.17	40.79	4.64	53.20	39.52	5.14	49.90	38.12	5.68	46.21	36.58	6.27	42.17	34.91	6.91						
	62 (16.7)	57.92	51.59	4.19	55.35	50.39	4.64	52.53	49.05	5.13	48.45	49.45	5.67	46.45	48.45	6.27	43.05	43.05	6.92						
	57 (13.9)	56.54	56.54	4.18	54.42	54.42	4.63	52.08	52.08	5.12	49.42	49.42	5.67	46.39	46.39	6.27	43.00	43.00	6.92						
	72 (22.2)	70.01	36.95	4.40	66.70	35.77	4.86	62.97	34.45	5.36	58.88	33.03	5.91	54.40	31.49	6.49	49.56	29.84	7.12						
	67 (19.4)	64.06	46.19	4.34	61.03	45.00	4.80	57.72	43.71	5.30	53.99	42.27	5.84	49.92	40.71	6.43	45.49	39.00	7.06						
	63 (17.2)††	59.81	44.47	4.31	57.00	43.29	4.76	53.92	42.00	5.25	50.50	40.57	5.80	46.70	39.00	6.38	42.54	37.26	7.03						
	62 (16.7)	59.13	55.20	4.30	56.52	56.00	4.75	53.90	53.90	5.25	51.05	51.05	5.80	47.81	47.81	6.40	44.21	44.21	7.05						
	57 (13.9)	58.62	58.62	4.30	56.36	56.36	4.75	53.84	53.84	5.25	50.99	50.99	5.80	47.75	47.75	6.40	44.16	44.16	7.05						
	72 (22.2)	70.76	38.53	4.51	67.27	37.31	4.98	63.47	35.99	5.48	59.27	34.55	6.02	54.67	32.98	6.60	49.72	31.32	7.23						
	67 (19.4)	64.75	48.77	4.46	61.64	47.57	4.91	58.22	46.25	5.41	54.40	44.78	5.96	50.23	43.15	6.54	45.75	41.35	7.18						
	63 (17.2)††	60.51	46.88	4.42	57.61	45.67	4.87	54.43	44.35	5.37	50.92	42.89	5.91	47.03	41.25	6.50	42.83	39.41	7.14						
	62 (16.7)	60.41	60.41	4.42	57.99	57.99	4.88	55.32	55.32	5.38	52.29	52.29	5.93	48.87	48.87	6.52	45.10	45.10	7.17						
	57 (13.9)	60.32	60.32	4.42	57.92	57.92	4.88	55.26	55.26	5.38	52.23	52.23	5.93	48.82	48.82	6.52	45.06	45.06	7.17						

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL
				MODEL	POWER				MODEL	POWER			
*CAP**6024A**	1.00	1.00		CSPH*6012A**	0.99	0.99	PG8*EA048090	CSPH*6012A**	0.99	0.99	PG9MxA060120	0.99	PG9MxA048080
CAP**6021A**	0.99	0.99		CAP**6021A**	0.99	0.99	PG8*EA060110	CAP**6021A**	0.99	0.99	PG9MxA060100	0.99	PG9MxA060100
CAP**6025A**	1.00	1.00		CNPV*6024A**	0.99	0.99	PG8*EA060110	CNPV*6024A**	0.99	0.99	PG9MxA060100	0.99	PG9MxA060100
CNPV*6024A**	1.00	1.00		CSPH*6012A**	0.99	0.99	PG8*EA060110	CSPH*6012A**	0.99	0.99	PG9MxA060100	0.99	PG9MxA060100
CNPV*6024A**	1.00	1.00		CAP**6024A**	0.99	0.99	PG8*EA060135	CAP**6024A**	0.99	0.99	PG9MxA060120	0.99	PG9MxA060120
CSPH*6012A**	1.00	1.00		CAP**6025A**	0.99	0.99	PG8*EA060135	CAP**6025A**	0.99	0.99	PG9MxA060120	0.99	PG9MxA060120
PF4MNA060	1.00	1.00		CNPV*6024A**	0.99	0.99	PG8*EA060135	CNPV*6024A**	0.99	0.99	PG9MxA060120	0.99	PG9MxA060120
PF4MNA061	1.01	1.01		CNPV*6024A**	0.99	0.99	PG8*EA060135	CNPV*6024A**	0.99	0.99	PG9MxA060120	0.99	PG9MxA060120
CAP**6021A**	0.99	0.99	PG8*EA048090	CSPH*6012A**	0.99	0.99	PG8*EA060135	CSPH*6012A**	0.99	0.99	PG9MxA060120	0.99	PG9MxA060120
CNPV*6024A**	0.99	0.99	PG8*EA048090	CNPV*6024A**	0.98	0.98	PG9MxA048080	CNPV*6024A**	0.98	0.98	PG9MxA048080	0.98	PG9MxA048080

Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per ARI standard 210/240-94. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

* Tested combination.

† Total and sensible capacities are net capacities. Blower motor heat has been subtracted.

‡ Sensible capacities shown are based on 80° F (27° C) entering air at the indoor coil. For sensible capacities at other than 80° F (27° C), deduct 835 BtuH (245 kW) of indoor coil air for each degree below 80° F (27° C), or add 835 BtuH (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80° F (27° C).

When the required data falls between the published data, interpolation may be performed.

** System kw is total of indoor and outdoor unit kilowatts.

†† At TVA rating indoor condition (75° F edb/63° F ewb). All other indoor air temperatures are at 80° F edb.

NOTE: When the required data falls between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

EWB — Entering Wet Bulb

NOTE: When the required data fall between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

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 (51.7°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 35 ft (10.7 m) vertical differential, consult Residential Piping and Long-Line Guideline available from equipment distributor.
7. Crankcase heater required when the application qualifies as long-line.
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.