

**PA16NA**

**16 SEER Split System Air Conditioner  
with R-410A Refrigerant  
1.5 To 5 Nominal 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), and AHRI.

#### ELECTRICAL RANGE:

Units offered in single phase 208/230v are 018-060.

#### 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.

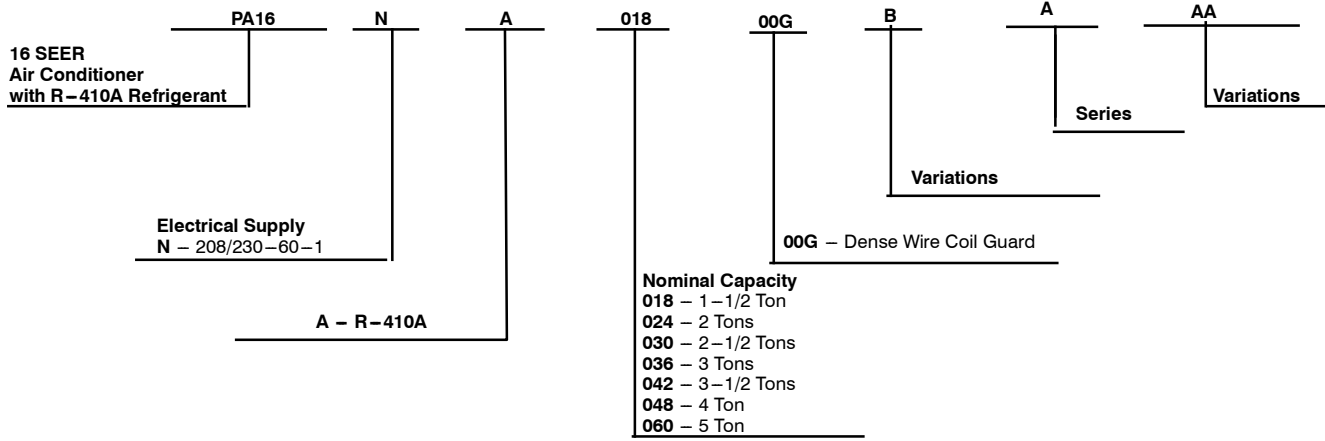
#### SERVICEABILITY:

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

**NOTE: Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory ([www.ahridirectory.org](http://www.ahridirectory.org)) for the most up-to-date ratings information.**



# PRODUCT NUMBER NOMENCLATURE



PA16NA



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.**

## STANDARD FEATURES

Feature	018	024	030	036	042	048	060
R-401A Refrigerant	X	X	X	X	X	X	X
Maximum SEER *	16.0	16.0	16.5	16.5	16.0	16.0	16.0
Scroll Compressor	X	X	X	X	X	X	X
Field Installed Filter Drier	X	X	X	X	X	X	X
Front Seating Service Valves	X	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X	X
Long Line capability	X	X	X	X	X	X	X
Low Ambient capability with Kit	X	X	X	X	X	X	X
Dense Wire Coil Guard	X	X	X	X	X	X	X

\* With approved combinations

X = Standard

## A-WEIGHTED SOUND POWER LEVEL (dBA)

Unit Size – Voltage, Series	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018-B	76	52.5	59.0	65.5	70.5	64.5	59.0	54.5
024-A	76	57.5	64.0	69.0	71.0	69.0	64.5	60.0
030-A	76	55.0	63.5	68.0	69.5	67.0	63.5	58.5
036-A	77	50.5	59.5	64.5	70.5	62.0	59.5	54.5
042-A	79	52.5	62.0	66.0	73.5	68.0	62.0	55.5
048-A	79	58.0	62.0	65.0	66.5	62.5	59.5	56.5
060-A	79	55.0	62.5	67.5	70.5	65.0	61.0	53.5

NOTE: Tested in accordance with AHRI Standard 270-08 (not listed in AHRI).

## A-WEIGHTED SOUND POWER LEVEL (dBA) WITH SOUND SHIELD

Unit Size – Voltage, Series	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018-B	74	55.5	59.0	65.0	68.5	63.5	58.0	52.0
024-A	75	58.0	64.0	69.0	70.5	68.5	64.5	59.5
030-A	75	55.5	63.0	68.0	69.0	67.0	63.0	58.5
036-A	75	51.5	58.5	62.0	65.0	61.0	58.0	52.0
042-A	77	53.0	62.0	65.5	72.0	65.0	61.0	54.0
048-A	77	60.0	63.5	65.0	65.5	62.0	58.0	52.5
060-A	77	56.5	62.5	66.5	68.0	63.0	59.5	51.5

NOTE: Tested in accordance with AHRI Standard 270-08 (not listed in AHRI).

# REFRIGERANT PIPING LENGTH LIMITATIONS

## Liquid Line Sizing and Maximum Total Equivalent Lengths† for Cooling Only Systems with R-410A Refrigerant:

The maximum allowable length of a residential split system depends on the liquid line diameter and vertical separation between indoor and outdoor units.

See Table below for liquid line sizing and maximum lengths :

### Maximum Total Equivalent Length Outdoor Unit BELOW Indoor Unit

Size	Liquid Line Connection	Liquid Line Diam. w/ TXV	AC with R-410A Refrigerant Maximum Total Equivalent Length†: Outdoor unit BELOW Indoor Vertical Separation ft (m)								
			0-5 (0-1.5)	6-10 (1.8-3.0)	11-20 (3.4-6.1)	21-30 (6.4-9.1)	31-40 (9.4-12.2)	41-50 (12.5-15.2)	51-60 (15.5-18.3)	61-70 (18.6-21.3)	71-80 (21.6-24.4)
18000 AC with R-410A	3/8	1/4	150	150	125	100	100	75	--	--	--
		5/16	250*	250*	250*	250*	250*	250*	250*	225*	150
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
24000 AC with R-410A	3/8	1/4	75	75	75	50	50	--	--	--	--
		5/16	250*	250*	250*	250*	250*	225*	175	125	100
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
30000 AC with R-410A	3/8	1/4	30	--	--	--	--	--	--	--	--
		5/16	175	225*	200	175	125	100	75	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
36000 AC with R-410A	3/8	5/16	175	150	150	100	100	100	75	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
42000 AC with R-410A	3/8	5/16	125	100	100	75	75	50	--	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	150
48000 AC with R-410A	3/8	3/8	250*	250*	250*	250*	250*	250*	230	160	--
60000 AC with R-410A	3/8	3/8	250*	250*	250*	225*	190	150	110	--	--

\* Maximum actual length not to exceed 200 ft (61 m)

† Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

-- = outside acceptable range

### Maximum Total Equivalent Length Outdoor Unit ABOVE Indoor Unit

Size	Liquid Line Connection	Liquid Line Diam. w/ TXV	AC with R-410A Refrigerant Maximum Total Equivalent Length†: Outdoor unit ABOVE Indoor Vertical Separation ft (m)							
			25 (7.6)	26-50 (7.9-15.2)	51-75 (15.5-22.9)	76-100 (23.2-30.5)	101-125 (30.8-38.1)	126-150 (38.4-45.7)	151-175 (46.0-53.3)	176-200 (53.6-61.0)
18000 AC with R-410A	3/8	1/4	175	250*	250*	250*	250*	250*	250*	250*
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
24000 AC with R-410A	3/8	1/4	100	125	175	200	225*	250*	250*	250*
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
30000 AC with R-410A	3/8	1/4	30	--	--	--	--	--	--	--
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
36000 AC with R-410A	3/8	5/16	225*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
42000 AC with R-410A	3/8	5/16	175	200	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
48000 AC with R-410A	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*
60000 AC with R-410A	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*

\* Maximum actual length not to exceed 200 ft (61 m)

† Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

-- = outside acceptable range

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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:

$[(\text{Lineset oz/ft} \times \text{total length}) - (\text{factory charge for lineset})] = \text{charge adjustment}$

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

Formula:  $(.27 \text{ oz/ft} \times 15\text{ft}) - (9 \text{ oz}) = (-4.95) \text{ oz.}$

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:  $(.40 \text{ oz/ft.} \times 45\text{ft}) - (9 \text{ oz.}) = 9 \text{ oz.}$

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*.

# SPECIFICATIONS

UNIT SIZE - SERIES	018 - B	024 - A	030 - A	036 - A	042 - A	048 - A	060 - A
<b>ELECTRICAL</b>							
Unit Volts—Phase	208—230—60—1 197—253						
Operating Voltage Range* (min - max)	14.1						
Compressor—Rated Load Amps	9.0	13.5	12.8	14.1	17.9	19.9	21.4
Locked Rotor Amps	48.0	58.3	64.0	77.0	112.0	109.0	135.0
Condenser Fan Motor— Full Load Amps	0.5	0.75	0.75	0.50	1.20	1.20	1.20
Charging Subcooling (TXV Expansion Device) °F (°C)	10 (5.6)	10 (5.6)	10 (5.6)	10 (5.6)	9 (5.0)	10 (5.6)	9 (5.0)
Min Unit Ampacity for Wire Sizing	11.8	17.7	16.8	18.1	23.6	26.1	28.0
Min Wire Size (60°/75° Copper) AWG**	14 / 14	14 / 14	14 / 14	12 / 12	10 / 10	10 / 10	8 / 10
Max Wire Length 60°/75° (ft/m)†	66 / 62 (20.1 / 18.9)	46 / 43 (14.0 / 13.1)	44 / 41 (13.4 / 12.5)	57 / 54 (17.4 / 16.5)	85 / 81 (25.9 / 24.7)	70 / 67 (21.3 / 20.4)	91 / 56 (27.7 / 17.1)
Max Branch Circuit Fuse Size‡	20	25	25	30	40	40	40
<b>COMPRESSOR AND REFRIGERANT</b>							
Compressor—Manufacturer	Copeland						
Type	Scroll						
Temperature and Current Protection	Internal Line Break						
R—410A Refrigerant—Amount Lb (kg) @ 15 ft (4.6 m)	5.25 (2.38)	5.53 (2.51)	6.17 (2.80)	7.00 (3.16)	8.62 (3.91)	10.50 (4.76)	14.50 (6.58)
Refrigerant Tubes (In. OD) Rated Vapor†† and Liquid	3/4 and 3/8						
<b>CONDENSER COIL AND FAN</b>							
Coil Face Area (Sq Ft)	15.1	15.10	17.20	17.60	25.15	20.10	30.15
Fan Motor—HP, Type, and RPM	1/12 PSC and 800	1/10 PSC and 800	1/12 PSC and 800	1/12 PSC and 800	1/5 PSC and 800	1/4 PSC and 800	1 - 1/8 and 3/8
Condenser Airflow (CFM)	2200	2614	2614	3223	3810	4046	4046
<b>OPTIONAL EQUIPMENT</b>							
Cycle Protector	KSACY0101AAA						
Start Assist—PTC Type	KAACS0201PTC						
Start Assist—Capacitor/Relay Type	KSAHS1701AAA						
MotorMaster® Control	KSALA0601AAA						
Ball Bearing Fan Motor (RCD)	HC32GE229	HC34GE240	HC32GE229	HC32GE229	HC38GE228	HC40GE228	HC40GE228
Low—Pressure Switch	KAALP0401PUR						
High—Pressure Switch	KAAHI0501PUR						
Compressor Sound Hood	KSASH0601COOP						
Time—Delay Relay	KAATD0101TDR						
Low—Ambient Pressure Switch Kit	KSALA0301410						
Winter Start Control	KAAWS0101AAA						
Evaporator Freeze Thermostat	KAAF0101AAA						
Compressor Crankcase Heater	KAAH1401AAA						
Liquid Line Solenoid Valve††	KAALS0201LLS						
TXV (Hard Shutoff)††	KSATX0201PUR						
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						
Backplate for Standard Thermostat	TSTATXEBBP01						
Backplate for Programmable Thermostat	TSTATXPBP01						

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 (NFPA 70). The ampacity of nonmetallic—sheathed cable (NM), trade name ROMEX, shall be that of 60° C conductors, per the NEC (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 inerset.

Complies with 2007 requirements of ASHRAE Standards 90.1



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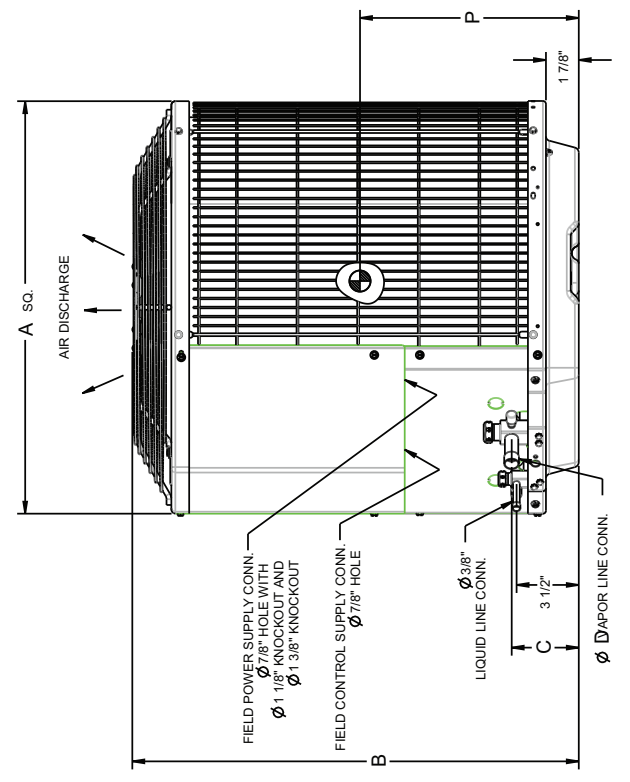
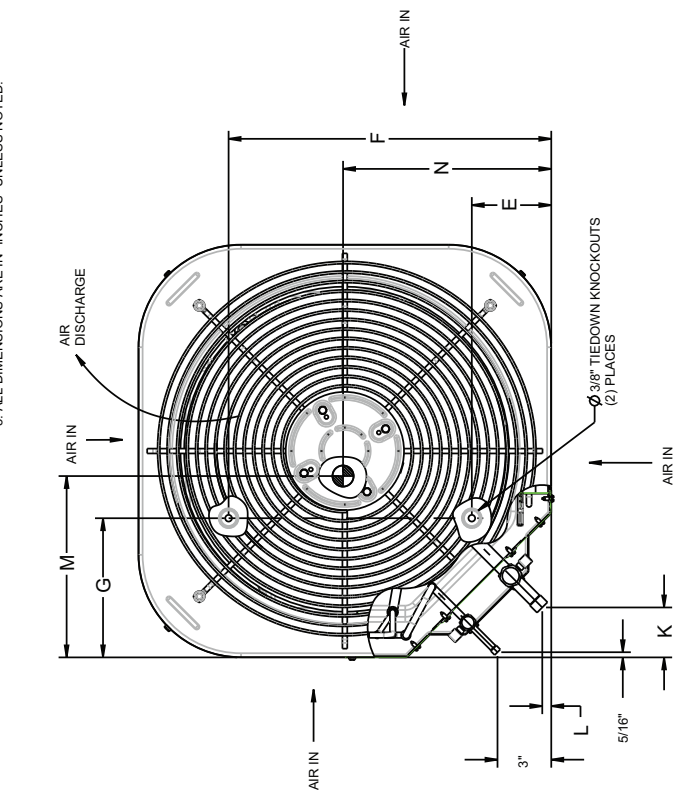
**DIMENSIONS - ENGLISH**

UNIT	SERIES	ELECTRICAL CHARACTERISTICS	A	B	C	D	E	F	G	K	L	M	N	P	OPERATING WEIGHT (LBS)	SHIPPING WEIGHT (LBS)	SHIPPING DIMENSIONS (L X W X H)
PA16NA018	B	X O O	31 3/16"	28 7/16"	3 3/4"	3/4"	6 9/16"	24 11/16"	9 1/8"	2 13/16"	1 1/2"	13"	12"	12 1/2"	142	163	32 3/16" X 32 3/16" X 30 5/8"
PA16NA024	A	X O O	31 3/16"	28 7/16"	3 3/4"	3/4"	6 9/16"	24 11/16"	9 1/8"	2 13/16"	1 1/2"	13"	12"	12 1/2"	142	163	32 3/16" X 32 3/16" X 30 5/8"
PA16NA030	A	X O O	31 3/16"	31 13/16"	3 3/4"	3/4"	6 9/16"	24 11/16"	9 1/8"	2 13/16"	1 1/2"	17"	16 1/2"	14 1/2"	150	171	32 3/16" X 32 3/16" X 34"
PA16NA036	A	X O O	35"	28 5/16"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	2 15/16"	5/8"	18 1/4"	18 1/2"	17 1/2"	191	225	36 1/8" X 39 5/16" X 32 9/16"
PA16NA042	A	X O O	35"	39 1/8"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	2 15/16"	5/8"	18 1/2"	16 1/4"	16 1/2"	225	263	36 1/8" X 39 5/16" X 42 3/4"
PA16NA048	A	X O O	35"	32 15/16"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	2 15/16"	5/8"	17 1/2"	16 1/2"	15"	231	269	36 1/8" X 39 5/16" X 35 15/16"
PA16NA060	A	X O O	35"	45 15/16"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	2 15/16"	5/8"	16 1/2"	11"	16 1/4"	272	310	36 1/8" X 39 5/16" X 49 9/16"

X = YES  
O = NO

208-230-1-60	230-1-60	208/230-3-60	460-3-60
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- 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
  - ALL DIMENSIONS ARE IN "INCHES" UNLESS NOTED.



UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18,24,30,36	23 1/2" X 23 1/2"
42	26" X 26"
48,60	31 1/2" X 31 1/2"
72	35" X 35"

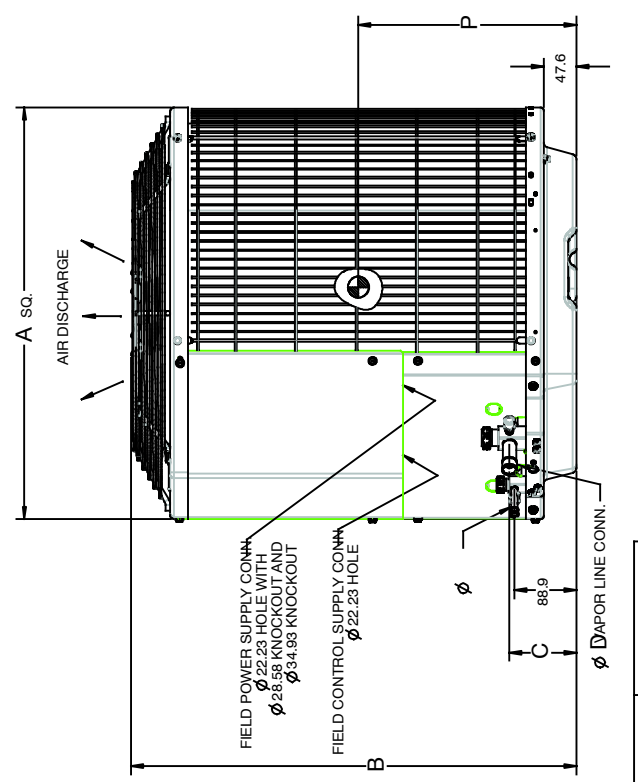
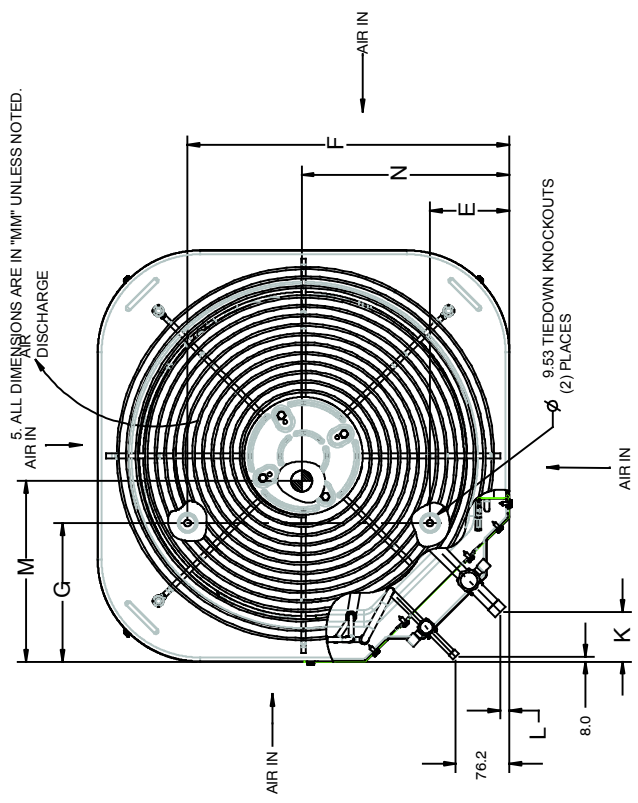
# DIMENSIONS - SI

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)
		X	O	O															
PA16NA018	B	X	O	O	792.2	722.3	95.2	19.0	166.7	627.1	231.8	71.4	12.7	330.0	305.0	318.0	64.4	73.9	817.6 X 817.6 X 777.9
PA16NA024	A	X	O	O	792.2	722.3	95.2	19.0	166.7	627.1	231.8	71.4	12.7	330.0	305.0	318.0	64.4	73.9	817.6 X 817.6 X 777.9
PA16NA030	A	X	O	O	792.2	808.0	95.2	19.0	166.7	627.1	231.8	71.4	12.7	432.0	419.0	368.0	68.0	77.6	817.6 X 817.6 X 863.6
PA16NA036	A	X	O	O	889.0	719.2	98.4	22.2	166.7	722.3	231.8	74.6	15.9	463.6	469.9	444.5	86.6	102.0	917.6 X 998.6 X 827.1
PA16NA042	A	X	O	O	889.0	993.8	98.4	22.2	166.7	722.3	231.8	74.6	15.9	469.9	412.8	419.1	119.3	119.3	917.6 X 998.6 X 1085.8
PA16NA048	A	X	O	O	889.0	820.8	98.4	22.2	166.7	722.3	231.8	74.6	15.9	444.5	419.1	381.0	104.8	122.0	917.6 X 998.6 X 912.8
PA16NA060	A	X	O	O	889.0	1166.8	98.4	22.2	166.7	722.3	231.8	74.6	15.9	419.1	431.8	412.8	123.4	140.6	917.6 X 998.6 X 1256.9

X = YES  
O = NO

### NOTES:

1. 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.
2. MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 13 ° C, MAX. 52 ° C.
3. SERIES DESIGNATION IS THE 14TH POSITION OF THE UNIT MODEL NUMBER.
4. CENTER OF GRAVITY
5. ALL DIMENSIONS ARE IN "MM" UNLESS NOTED.

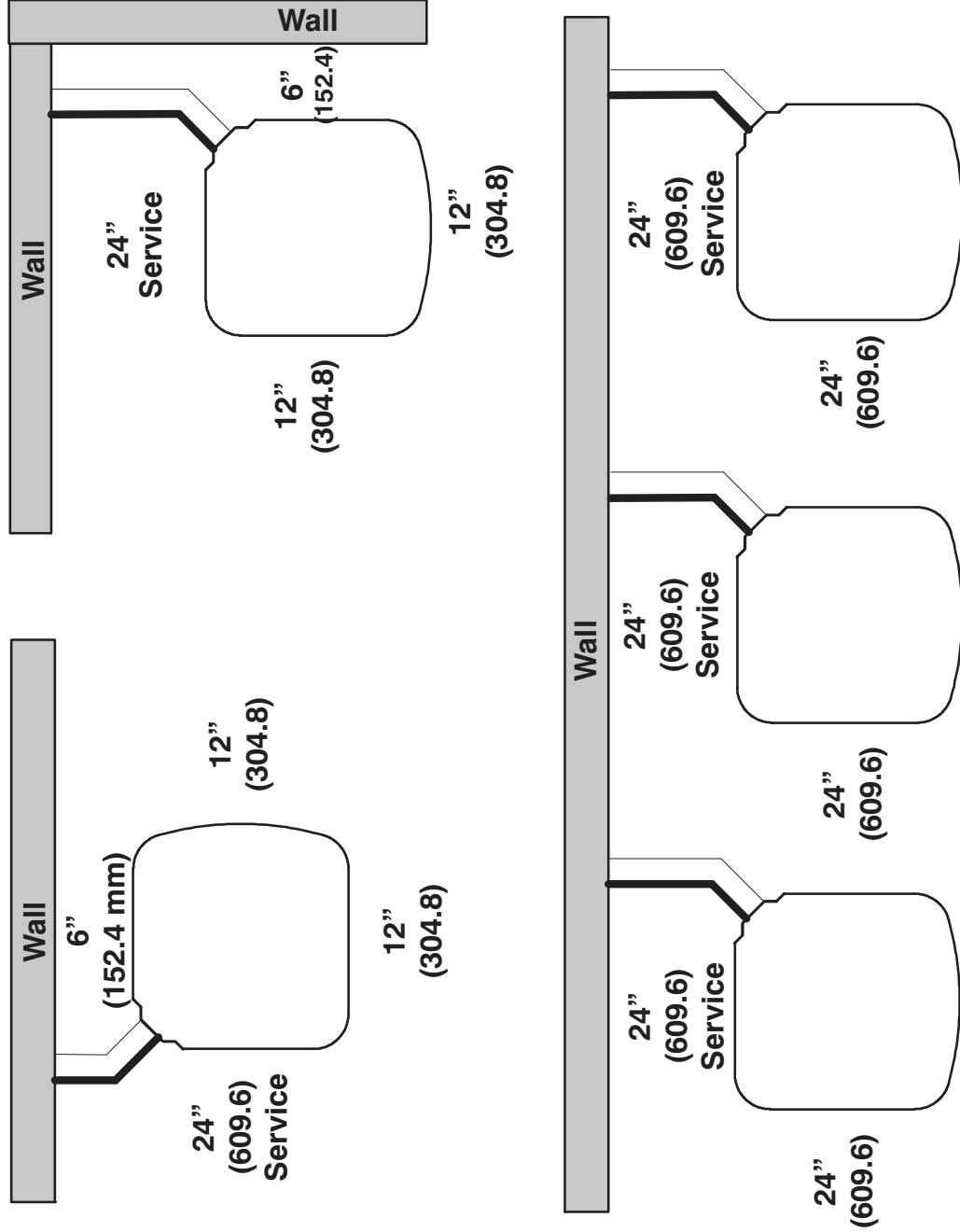


UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18.24 X 30.36	596.9 X 596.9
--	660.4 X 660.4
42.48 X 60	800.1 X 800.1
--	889.0 X 889.0

PA16NA

# CLEARANCES

Clearances (various examples)



**Note:** Numbers in ( ) = mm

**IMPORTANT:** When installing multiple units in an alcove, roof well, or partially enclosed area, ensure there is adequate ventilation to prevent re-circulation of discharge air.

# ACCESSORY USAGE GUIDELINE

ACCESSORY	REQUIRED FOR LOW-AMBI- ENT COOLING APPLICATIONS (Below 55°F/12.8°C)	REQUIRED FOR LONG LINE APPLICATIONS* (Over 80 ft./24.38 m)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles/3.22 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	No	No
Motor Master® Control or Low-ambient 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. (24.38 and 60.96 m) and/or 20 ft. (6.09 m) vertical differential, refer to Residential Split-System Longline Application Guideline.

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

## Accessory Description and Usage (Listed Alphabetically)

### 1. Ball-Bearing Fan Motor

A fan motor with ball bearings which permits speed reduction while maintaining bearing lubrication.

Usage Guideline:

Required on all units when MotorMaster® is used.

### 2. 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.

### 3. 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.

### 4. 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.
- Suggested in all commercial applications.

### 5. 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.

### 6. 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.

### 7. 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 (-18°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).

### 8. MotorMaster® Low-Ambient Controller

A fan-speed control device activated by a temperature sensor, designed to control condenser fan motor speed in response to the saturated, condensing temperature during operation in cooling mode only. For outdoor temperatures down to -20°F (-28.9°C), it maintains condensing temperature at 100°F ±10°F (37.8°C ± 5.5°C).

Usage Guideline:

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

Suggested for all commercial applications.

### 9. Outdoor Air Temperature Sensor

Designed for use with Payne Thermostats listed in this publication. This device enables the thermostat to display the outdoor temperature. This device also is required to enable special thermostat features such as auxiliary heat lock out.

Usage Guideline:

Suggested for all Payne thermostats listed in this publication.

## Accessory Description and Usage (Listed Alphabetically) (Continued)

### 10. 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.

### 11. 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 AHRI 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.

### 12. Time-Delay Relay

An SPST delay relay which briefly continues operation of indoor blower motor to provide additional cooling after the compressor cycles off.

**NOTE:** Most indoor unit controls include this feature. For those that do not, use the guideline below.

Usage Guideline:

For improved efficiency ratings for certain combinations of indoor and outdoor units. Refer to AHRI Unitary Directory.

### 13. 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.

# COMBINATION RATINGS

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3659163	PA16NA018****B	CAP**1814A**	PG8*EA024045	18,000	13.0	15.5
3659162	PA16NA018****B	CAP**1814A**+TDR		18,000	11.5	13.5
3659165	PA16NA018****B	CAP**2414A**	PG8*EA024045	18,000	13.0	16.0
3659164	PA16NA018****B	CAP**2414A**+TDR		18,000	11.5	14.0
3659167	PA16NA018****B	CAP**2417A**	PG8*EA024045	18,000	13.0	16.0
3659168	PA16NA018****B	CAP**2417A**	PG9MXA036060	18,000	13.0	16.0
3659166	PA16NA018****B	CAP**2417A**+TDR		18,000	11.5	14.0
3659181	PA16NA018****B	CNPF*2418A**+TDR		18,000	11.5	14.0
3659177	PA16NA018****B	CNPH*2417A**	PG8*EA024045	18,000	13.0	16.0
3659179	PA16NA018****B	CNPH*2417A**	PG9MTAV36050*A**	18,000	13.0	16.0
3659180	PA16NA018****B	CNPH*2417A**	PG9MTAV36075*A**	18,000	13.0	16.0
3659178	PA16NA018****B	CNPH*2417A**	PG9MXA036060	18,000	13.0	16.0
3659176	PA16NA018****B	CNPH*2417A**+TDR		18,000	12.0	14.5
3659170	PA16NA018****B	CNPV**1814A**	PG8*EA024045	18,000	13.0	15.5
3659169	PA16NA018****B	CNPV**1814A**+TDR		18,000	11.5	14.0
3659160	PA16NA018****B	CNPV**1917A**	PG8*EA024045	18,000	13.0	16.0
3659161	PA16NA018****B	CNPV**1917A**	PG9MXA036060	18,000	13.0	16.0
3659172	PA16NA018****B	CNPV**2414A**	PG8*EA024045	18,000	13.0	16.0
3659171	PA16NA018****B	CNPV**2414A**+TDR		18,000	11.5	14.0
3659174	PA16NA018****B	CNPV**2417A**	PG8*EA024045	18,000	13.0	16.0
3659175	PA16NA018****B	CNPV**2417A**	PG9MXA036060	18,000	13.0	16.0
3659173	PA16NA018****B	CNPV**2417A**+TDR		18,000	11.5	14.0
3659183	PA16NA018****B	CSPH*2412A**	PG8*EA024045	18,000	13.0	16.0
3659185	PA16NA018****B	CSPH*2412A**	PG9MTAV36050*A**	18,000	13.0	16.0
3659186	PA16NA018****B	CSPH*2412A**	PG9MTAV36075*A**	18,000	13.0	16.0
3659184	PA16NA018****B	CSPH*2412A**	PG9MXA036060	18,000	13.0	16.0
3659182	PA16NA018****B	CSPH*2412A**+TDR		18,000	12.0	14.0
3659189	PA16NA018****B	FF1ENP018		18,000	11.5	14.0
3659190	PA16NA018****B	FF1ENP019		18,000	12.5	15.5
3659191	PA16NA018****B	FF1ENP024		18,000	11.5	14.0
3659192	PA16NA018****B	FF1ENP025		18,000	13.0	16.0
3659193	PA16NA018****B	PF4MNA018		18,000	11.5	14.0
3659195	PA16NA018****B	PF4MNA019		18,000	13.0	15.5
3659194	PA16NA018****B	PF4MNA024		18,000	11.5	13.5
3659196	PA16NA018****B	PF4MNA025		18,000	13.0	16.0
3659187	PA16NA018****B	PF4MNB019		18,000	13.0	16.0
3659188	PA16NA018****B	PF4MNB025		18,000	13.0	16.0
3659197	PA16NA024****A	†CNPV*3117A**+TDR		23,600	12.0	14.5
3659202	PA16NA024****A	CAP**2414A**	PG8*EA024045	23,000	12.5	15.5
3659201	PA16NA024****A	CAP**2414A**+TDR		23,000	11.5	14.0
3659204	PA16NA024****A	CAP**2417A**	PG8*EA024045	23,000	12.5	15.5
3659205	PA16NA024****A	CAP**2417A**	PG9MXA036060	23,400	13.0	16.0
3659206	PA16NA024****A	CAP**2417A**	PG9MXA036080	23,200	13.0	16.0
3659203	PA16NA024****A	CAP**2417A**+TDR		23,000	11.5	14.0
3659208	PA16NA024****A	CAP**3014A**	PG8*EA024045	23,200	12.5	15.5
3659207	PA16NA024****A	CAP**3014A**+TDR		23,200	11.5	14.0
3659210	PA16NA024****A	CAP**3017A**	PG8*EA024045	23,200	13.0	16.0
3659211	PA16NA024****A	CAP**3017A**	PG9MXA036060	23,600	13.0	16.0
3659212	PA16NA024****A	CAP**3017A**	PG9MXA036080	23,400	13.0	16.0
3659209	PA16NA024****A	CAP**3017A**+TDR		23,200	11.5	14.0
3659214	PA16NA024****A	CAP**3614A**	PG8*EA024045	23,200	13.0	16.0
3659213	PA16NA024****A	CAP**3614A**+TDR		23,200	11.5	14.0
3659216	PA16NA024****A	CAP**3617A**	PG8*EA024045	23,400	13.0	16.0
3659217	PA16NA024****A	CAP**3617A**	PG9MXA036060	23,800	13.0	16.0
3659218	PA16NA024****A	CAP**3617A**	PG9MXA036080	23,600	13.0	16.0
3659215	PA16NA024****A	CAP**3617A**+TDR		23,200	11.5	14.0
3659222	PA16NA024****A	CAP**3621A**	PG9MTAV36050*A**	23,400	13.0	15.5
3659223	PA16NA024****A	CAP**3621A**	PG9MTAV36075*A**	23,600	13.0	15.5
3659220	PA16NA024****A	CAP**3621A**	PG9MXA036060	23,800	13.0	16.0
3659221	PA16NA024****A	CAP**3621A**	PG9MXA036080	23,600	13.0	16.0
3659219	PA16NA024****A	CAP**3621A**+TDR		23,200	11.5	14.0
3659269	PA16NA024****A	CNPF*2418A**+TDR		23,000	11.5	14.0
3659270	PA16NA024****A	CNPF*3618A**+TDR		23,200	11.5	14.0
3659246	PA16NA024****A	CNPH*2417A**	PG8*EA024045	23,000	12.5	15.5
3659249	PA16NA024****A	CNPH*2417A**	PG9MTAV36050*A**	23,000	12.5	15.0
3659250	PA16NA024****A	CNPH*2417A**	PG9MTAV36075*A**	23,000	12.5	15.0
3659251	PA16NA024****A	CNPH*2417A**	PG9MTAV60100*A**	23,200	12.5	15.0
3659252	PA16NA024****A	CNPH*2417A**	PG9MTAV60125*A**	23,200	12.5	15.5
3659247	PA16NA024****A	CNPH*2417A**	PG9MXA036060	23,200	13.0	16.0
3659248	PA16NA024****A	CNPH*2417A**	PG9MXA036080	23,000	13.0	16.0
3659245	PA16NA024****A	CNPH*2417A**+TDR		23,000	11.5	14.0
3659254	PA16NA024****A	CNPH*3017A**	PG8*EA024045	23,200	13.0	16.0
3659257	PA16NA024****A	CNPH*3017A**	PG9MTAV36050*A**	23,200	12.5	15.5
3659258	PA16NA024****A	CNPH*3017A**	PG9MTAV36075*A**	23,400	12.5	15.5
3659259	PA16NA024****A	CNPH*3017A**	PG9MTAV60100*A**	23,800	13.0	15.5
3659260	PA16NA024****A	CNPH*3017A**	PG9MTAV60125*A**	23,800	13.0	16.0
3659255	PA16NA024****A	CNPH*3017A**	PG9MXA036060	23,600	13.0	16.0
3659256	PA16NA024****A	CNPH*3017A**	PG9MXA036080	23,400	13.0	16.0

PA16NA

See notes on page 21

# COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3659253	PA16NA024****A	CNPH*3017A**+TDR		23,200	11.5	14.0
3662521	PA16NA024****A	CNPH*3117A**	PG8*EA024045	23,800	13.0	16.0
3662524	PA16NA024****A	CNPH*3117A**	PG9MTAV36050*A**	23,800	13.0	16.0
3662525	PA16NA024****A	CNPH*3117A**	PG9MTAV36075*A**	24,000	13.0	16.0
3662526	PA16NA024****A	CNPH*3117A**	PG9MTAV60100*A**	24,000	13.0	16.0
3662527	PA16NA024****A	CNPH*3117A**	PG9MTAV60125*A**	24,000	13.0	16.0
3662522	PA16NA024****A	CNPH*3117A**	PG9MXA036060	24,000	13.0	16.0
3662523	PA16NA024****A	CNPH*3117A**	PG9MXA036080	24,000	13.0	16.0
3662520	PA16NA024****A	CNPH*3117A**+TDR		23,600	12.0	14.5
3659262	PA16NA024****A	CNPH*3617A**	PG8*EA024045	23,200	13.0	16.0
3659265	PA16NA024****A	CNPH*3617A**	PG9MTAV36050*A**	23,200	12.5	15.5
3659266	PA16NA024****A	CNPH*3617A**	PG9MTAV36075*A**	23,400	12.5	15.5
3659267	PA16NA024****A	CNPH*3617A**	PG9MTAV60100*A**	23,800	13.0	15.5
3659268	PA16NA024****A	CNPH*3617A**	PG9MTAV60125*A**	23,800	13.0	16.0
3659263	PA16NA024****A	CNPH*3617A**	PG9MXA036060	23,600	13.0	16.0
3659264	PA16NA024****A	CNPH*3617A**	PG9MXA036080	23,400	13.0	16.0
3659261	PA16NA024****A	CNPH*3617A**+TDR		23,200	11.5	14.0
3659225	PA16NA024****A	CNPV*2414A**	PG8*EA024045	23,000	12.5	15.5
3659224	PA16NA024****A	CNPV*2414A**+TDR		23,000	11.5	14.0
3659227	PA16NA024****A	CNPV*2417A**	PG8*EA024045	23,000	12.5	15.5
3659228	PA16NA024****A	CNPV*2417A**	PG9MXA036060	23,200	13.0	16.0
3659229	PA16NA024****A	CNPV*2417A**	PG9MXA036080	23,000	13.0	16.0
3659226	PA16NA024****A	CNPV*2417A**+TDR		23,000	11.5	14.0
3659231	PA16NA024****A	CNPV*3014A**	PG8*EA024045	23,200	12.5	15.5
3659230	PA16NA024****A	CNPV*3014A**+TDR		23,200	11.5	14.0
3659233	PA16NA024****A	CNPV*3017A**	PG8*EA024045	23,200	13.0	16.0
3659234	PA16NA024****A	CNPV*3017A**	PG9MXA036060	23,600	13.0	16.0
3659235	PA16NA024****A	CNPV*3017A**	PG9MXA036080	23,400	13.0	16.0
3659232	PA16NA024****A	CNPV*3017A**+TDR		23,200	11.5	14.0
3659198	PA16NA024****A	CNPV*3117A**	PG8*EA024045	23,800	13.0	16.0
3659199	PA16NA024****A	CNPV*3117A**	PG9MXA036060	24,000	13.0	16.0
3659200	PA16NA024****A	CNPV*3117A**	PG9MXA036080	24,000	13.0	16.0
3659237	PA16NA024****A	CNPV*3617A**	PG8*EA024045	23,200	13.0	16.0
3659238	PA16NA024****A	CNPV*3617A**	PG9MXA036060	23,600	13.0	16.0
3659239	PA16NA024****A	CNPV*3617A**	PG9MXA036080	23,400	13.0	16.0
3659236	PA16NA024****A	CNPV*3617A**+TDR		23,200	11.5	14.0
3659243	PA16NA024****A	CNPV*3621A**	PG9MTAV36050*A**	23,200	12.5	15.5
3659244	PA16NA024****A	CNPV*3621A**	PG9MTAV36075*A**	23,400	12.5	15.5
3659241	PA16NA024****A	CNPV*3621A**	PG9MXA036060	23,600	13.0	16.0
3659242	PA16NA024****A	CNPV*3621A**	PG9MXA036080	23,400	13.0	16.0
3659240	PA16NA024****A	CNPV*3621A**+TDR		23,200	11.5	14.0
3659272	PA16NA024****A	CSPH*2412A**	PG8*EA024045	23,200	13.0	15.5
3659275	PA16NA024****A	CSPH*2412A**	PG9MTAV36050*A**	23,000	12.5	15.0
3659276	PA16NA024****A	CSPH*2412A**	PG9MTAV36075*A**	23,200	12.5	15.0
3659277	PA16NA024****A	CSPH*2412A**	PG9MTAV60100*A**	23,400	12.5	15.5
3659278	PA16NA024****A	CSPH*2412A**	PG9MTAV60125*A**	23,400	13.0	15.5
3659273	PA16NA024****A	CSPH*2412A**	PG9MXA036060	23,400	13.0	16.0
3659274	PA16NA024****A	CSPH*2412A**	PG9MXA036080	23,200	13.0	16.0
3659271	PA16NA024****A	CSPH*2412A**+TDR		23,200	11.5	14.0
3659280	PA16NA024****A	CSPH*3012A**	PG8*EA024045	23,200	13.0	16.0
3659283	PA16NA024****A	CSPH*3012A**	PG9MTAV36050*A**	23,200	12.5	15.5
3659284	PA16NA024****A	CSPH*3012A**	PG9MTAV36075*A**	23,400	12.5	15.5
3659285	PA16NA024****A	CSPH*3012A**	PG9MTAV60100*A**	23,600	13.0	15.5
3659286	PA16NA024****A	CSPH*3012A**	PG9MTAV60125*A**	23,800	13.0	16.0
3659281	PA16NA024****A	CSPH*3012A**	PG9MXA036060	23,600	13.0	16.0
3659282	PA16NA024****A	CSPH*3012A**	PG9MXA036080	23,400	13.0	16.0
3659279	PA16NA024****A	CSPH*3012A**+TDR		23,200	11.5	14.0
3659288	PA16NA024****A	CSPH*3612A**	PG8*EA024045	23,600	13.0	16.0
3659291	PA16NA024****A	CSPH*3612A**	PG9MTAV36050*A**	23,800	13.0	16.0
3659292	PA16NA024****A	CSPH*3612A**	PG9MTAV36075*A**	23,800	13.0	16.0
3659293	PA16NA024****A	CSPH*3612A**	PG9MTAV60100*A**	24,000	13.0	16.0
3659294	PA16NA024****A	CSPH*3612A**	PG9MTAV60125*A**	24,000	13.0	16.0
3659289	PA16NA024****A	CSPH*3612A**	PG9MXA036060	24,000	13.0	16.0
3659290	PA16NA024****A	CSPH*3612A**	PG9MXA036080	23,800	13.0	16.0
3659287	PA16NA024****A	CSPH*3612A**+TDR		23,600	11.5	14.0
3659297	PA16NA024****A	FF1ENP024		22,800	11.5	13.5
3659298	PA16NA024****A	FF1ENP025		23,200	12.5	15.0
3659299	PA16NA024****A	FF1ENP030		22,800	11.5	13.5
3659300	PA16NA024****A	FF1ENP031		23,200	12.5	15.0
3659301	PA16NA024****A	FF1ENP036		23,000	11.0	13.5
3659302	PA16NA024****A	FF1ENP037		23,400	12.5	15.5
3659303	PA16NA024****A	PF4MNA024		22,800	11.5	14.0
3659306	PA16NA024****A	PF4MNA025		23,200	12.5	15.0
3659304	PA16NA024****A	PF4MNA030		23,000	12.0	14.5
3659307	PA16NA024****A	PF4MNA031		23,400	13.0	16.0
3659305	PA16NA024****A	PF4MNA036		23,000	11.0	13.5
3659308	PA16NA024****A	PF4MNA037		23,200	12.0	14.5
3659295	PA16NA024****A	PF4MNB025		23,400	13.0	16.0
3659296	PA16NA024****A	PF4MNB031		23,600	12.5	15.5

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# COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3659309	PA16NA030****A	†CNPV*3117A**+TDR		28,600	12.0	14.5
3659314	PA16NA030****A	CAP**3014A**+TDR		28,000	12.0	14.0
3659316	PA16NA030****A	CAP**3017A**	PG8*EA048070	28,000	12.5	15.0
3659317	PA16NA030****A	CAP**3017A**	PG9MXA036060	28,200	13.0	15.5
3659318	PA16NA030****A	CAP**3017A**	PG9MXA036080	28,000	13.0	16.0
3659319	PA16NA030****A	CAP**3017A**	PG9MXA048080	28,200	13.0	15.5
3659315	PA16NA030****A	CAP**3017A**+TDR		28,000	12.0	14.0
3659320	PA16NA030****A	CAP**3614A**+TDR		28,000	12.0	14.0
3659322	PA16NA030****A	CAP**3617A**	PG8*EA048070	28,000	12.5	15.2
3659323	PA16NA030****A	CAP**3617A**	PG9MXA036060	28,200	13.0	16.0
3659324	PA16NA030****A	CAP**3617A**	PG9MXA036080	28,200	13.0	16.0
3659325	PA16NA030****A	CAP**3617A**	PG9MXA048080	28,400	13.0	16.0
3659321	PA16NA030****A	CAP**3617A**+TDR		28,000	12.0	14.0
3659327	PA16NA030****A	CAP**3621A**	PG8*EA048070	28,000	13.0	15.2
3659328	PA16NA030****A	CAP**3621A**	PG8*EA048090	28,200	13.0	16.0
3659332	PA16NA030****A	CAP**3621A**	PG9MTAV36050*A**	28,000	12.5	15.0
3659333	PA16NA030****A	CAP**3621A**	PG9MTAV36075*A**	28,000	12.5	15.0
3659329	PA16NA030****A	CAP**3621A**	PG9MXA036060	28,200	13.0	16.0
3659330	PA16NA030****A	CAP**3621A**	PG9MXA036080	28,200	13.0	16.0
3659331	PA16NA030****A	CAP**3621A**	PG9MXA048080	28,400	13.0	16.0
3659326	PA16NA030****A	CAP**3621A**+TDR		28,000	12.0	14.0
3659335	PA16NA030****A	CAP**4221A**	PG8*EA048070	28,200	12.5	15.5
3659336	PA16NA030****A	CAP**4221A**	PG8*EA048090	28,400	13.0	16.0
3659340	PA16NA030****A	CAP**4221A**	PG9MTAV36050*A**	28,200	12.5	15.0
3659341	PA16NA030****A	CAP**4221A**	PG9MTAV36075*A**	28,200	12.5	15.0
3659337	PA16NA030****A	CAP**4221A**	PG9MXA036060	28,600	13.0	16.0
3659338	PA16NA030****A	CAP**4221A**	PG9MXA036080	28,400	13.0	16.0
3659339	PA16NA030****A	CAP**4221A**	PG9MXA048080	28,600	13.0	16.0
3659334	PA16NA030****A	CAP**4221A**+TDR		28,200	11.5	14.0
3659343	PA16NA030****A	CAP**4224A**	PG8*EA048090	28,400	13.0	16.0
3659344	PA16NA030****A	CAP**4224A**	PG9MTAV60100*A**	28,600	13.0	16.0
3659345	PA16NA030****A	CAP**4224A**	PG9MTAV60125*A**	28,600	13.0	16.0
3659342	PA16NA030****A	CAP**4224A**+TDR		28,200	11.5	14.0
3659408	PA16NA030****A	CNPF*3618A**+TDR		28,000	11.5	13.5
3659379	PA16NA030****A	CNPH*3017A**	PG8*EA048070	28,000	12.5	15.0
3659380	PA16NA030****A	CNPH*3017A**	PG8*EA048090	28,000	12.5	15.5
3659384	PA16NA030****A	CNPH*3017A**	PG9MTAV36050*A**	27,800	12.5	15.0
3659385	PA16NA030****A	CNPH*3017A**	PG9MTAV36075*A**	27,800	12.5	15.0
3659386	PA16NA030****A	CNPH*3017A**	PG9MTAV60100*A**	28,000	12.5	15.5
3659387	PA16NA030****A	CNPH*3017A**	PG9MTAV60125*A**	28,000	13.0	15.5
3659381	PA16NA030****A	CNPH*3017A**	PG9MXA036060	28,200	13.0	15.5
3659382	PA16NA030****A	CNPH*3017A**	PG9MXA036080	28,000	13.0	16.0
3659383	PA16NA030****A	CNPH*3017A**	PG9MXA048080	28,200	13.0	15.5
3659378	PA16NA030****A	CNPH*3017A**+TDR		28,000	12.0	14.0
3662529	PA16NA030****A	CNPH*3117A**	PG8*EA048070	28,600	13.0	16.0
3662530	PA16NA030****A	CNPH*3117A**	PG8*EA048090	28,600	13.0	16.0
3662534	PA16NA030****A	CNPH*3117A**	PG9MTAV36050*A**	28,400	12.5	15.0
3662535	PA16NA030****A	CNPH*3117A**	PG9MTAV36075*A**	28,600	12.5	15.5
3662536	PA16NA030****A	CNPH*3117A**	PG9MTAV60100*A**	28,800	13.0	16.0
3662537	PA16NA030****A	CNPH*3117A**	PG9MTAV60125*A**	28,800	13.0	16.0
3662531	PA16NA030****A	CNPH*3117A**	PG9MXA036060	28,800	13.0	16.0
3662532	PA16NA030****A	CNPH*3117A**	PG9MXA036080	28,800	13.0	16.0
3662533	PA16NA030****A	CNPH*3117A**	PG9MXA048080	29,000	13.0	16.0
3662528	PA16NA030****A	CNPH*3117A**+TDR		28,600	12.0	14.5
3659389	PA16NA030****A	CNPH*3617A**	PG8*EA048070	28,000	12.5	15.0
3659390	PA16NA030****A	CNPH*3617A**	PG8*EA048090	28,000	12.5	15.5
3659394	PA16NA030****A	CNPH*3617A**	PG9MTAV36050*A**	27,800	12.5	15.0
3659395	PA16NA030****A	CNPH*3617A**	PG9MTAV36075*A**	27,800	12.5	15.0
3659396	PA16NA030****A	CNPH*3617A**	PG9MTAV60100*A**	28,000	12.5	15.5
3659397	PA16NA030****A	CNPH*3617A**	PG9MTAV60125*A**	28,000	13.0	15.5
3659391	PA16NA030****A	CNPH*3617A**	PG9MXA036060	28,200	13.0	15.5
3659392	PA16NA030****A	CNPH*3617A**	PG9MXA036080	28,000	13.0	16.0
3659393	PA16NA030****A	CNPH*3617A**	PG9MXA048080	28,200	13.0	15.5
3659388	PA16NA030****A	CNPH*3617A**+TDR		28,000	12.0	14.0
3659399	PA16NA030****A	CNPH*4221A**	PG8*EA048070	28,200	12.5	15.5
3659400	PA16NA030****A	CNPH*4221A**	PG8*EA048090	28,400	13.0	16.0
3659404	PA16NA030****A	CNPH*4221A**	PG9MTAV36050*A**	28,000	12.5	15.0
3659405	PA16NA030****A	CNPH*4221A**	PG9MTAV36075*A**	28,200	12.5	15.0
3659406	PA16NA030****A	CNPH*4221A**	PG9MTAV60100*A**	28,400	13.0	15.5
3659407	PA16NA030****A	CNPH*4221A**	PG9MTAV60125*A**	28,400	13.0	16.0
3659401	PA16NA030****A	CNPH*4221A**	PG9MXA036060	28,400	13.0	16.0
3659402	PA16NA030****A	CNPH*4221A**	PG9MXA036080	28,400	13.0	16.0
3659403	PA16NA030****A	CNPH*4221A**	PG9MXA048080	28,600	13.0	16.0
3659398	PA16NA030****A	CNPH*4221A**+TDR		28,200	11.5	14.0
3659346	PA16NA030****A	CNPV*3014A**+TDR		28,000	12.0	14.0
3659348	PA16NA030****A	CNPV*3017A**	PG8*EA048070	28,000	12.5	15.0
3659349	PA16NA030****A	CNPV*3017A**	PG9MXA036060	28,200	13.0	15.5
3659350	PA16NA030****A	CNPV*3017A**	PG9MXA036080	28,000	13.0	16.0

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# COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3659351	PA16NA030****A	CNPV*3017A**	PG9MXA048080	28,200	13.0	15.5
3659347	PA16NA030****A	CNPV*3017A**+TDR		28,000	12.0	14.0
3659310	PA16NA030****A	CNPV*3117A**	PG8*EA048070	28,600	13.0	16.0
3659311	PA16NA030****A	CNPV*3117A**	PG9MXA036060	28,800	13.0	16.0
3659312	PA16NA030****A	CNPV*3117A**	PG9MXA036080	28,800	13.0	16.0
3659313	PA16NA030****A	CNPV*3117A**	PG9MXA048080	29,000	13.0	16.0
3659353	PA16NA030****A	CNPV*3617A**	PG8*EA048070	28,000	12.5	15.5
3659354	PA16NA030****A	CNPV*3617A**	PG9MXA036060	28,200	13.0	15.5
3659355	PA16NA030****A	CNPV*3617A**	PG9MXA036080	28,000	13.0	16.0
3659356	PA16NA030****A	CNPV*3617A**	PG9MXA048080	28,200	13.0	15.5
3659352	PA16NA030****A	CNPV*3617A**+TDR		28,000	12.0	14.0
3659358	PA16NA030****A	CNPV*3621A**	PG8*EA048070	28,000	12.5	15.0
3659359	PA16NA030****A	CNPV*3621A**	PG8*EA048090	28,000	12.5	15.5
3659363	PA16NA030****A	CNPV*3621A**	PG9MTAV36050*A**	27,800	12.5	15.0
3659364	PA16NA030****A	CNPV*3621A**	PG9MTAV36075*A**	27,800	12.5	15.0
3659360	PA16NA030****A	CNPV*3621A**	PG9MXA036060	28,200	13.0	15.5
3659361	PA16NA030****A	CNPV*3621A**	PG9MXA036080	28,000	13.0	16.0
3659362	PA16NA030****A	CNPV*3621A**	PG9MXA048080	28,200	13.0	15.5
3659357	PA16NA030****A	CNPV*3621A**+TDR		28,000	12.0	14.0
3659366	PA16NA030****A	CNPV*4217A**	PG8*EA048070	28,400	13.0	15.5
3659367	PA16NA030****A	CNPV*4217A**	PG9MXA036060	28,600	13.0	16.0
3659368	PA16NA030****A	CNPV*4217A**	PG9MXA036080	28,600	13.0	16.0
3659369	PA16NA030****A	CNPV*4217A**	PG9MXA048080	28,800	13.0	16.0
3659365	PA16NA030****A	CNPV*4217A**+TDR		28,400	11.5	14.0
3659371	PA16NA030****A	CNPV*4221A**	PG8*EA048070	28,200	12.5	15.5
3659372	PA16NA030****A	CNPV*4221A**	PG8*EA048090	28,400	13.0	16.0
3659376	PA16NA030****A	CNPV*4221A**	PG9MTAV36050*A**	28,000	12.5	15.0
3659377	PA16NA030****A	CNPV*4221A**	PG9MTAV36075*A**	28,200	12.5	15.0
3659373	PA16NA030****A	CNPV*4221A**	PG9MXA036060	28,400	13.0	16.0
3659374	PA16NA030****A	CNPV*4221A**	PG9MXA036080	28,400	13.0	16.0
3659375	PA16NA030****A	CNPV*4221A**	PG9MXA048080	28,600	13.0	16.0
3659370	PA16NA030****A	CNPV*4221A**+TDR		28,200	11.5	14.0
3659410	PA16NA030****A	CSPH*3012A**	PG8*EA048070	28,000	12.5	15.0
3659411	PA16NA030****A	CSPH*3012A**	PG8*EA048090	28,000	12.5	15.5
3659415	PA16NA030****A	CSPH*3012A**	PG9MTAV36050*A**	27,800	12.5	15.0
3659416	PA16NA030****A	CSPH*3012A**	PG9MTAV36075*A**	27,800	12.5	15.0
3659417	PA16NA030****A	CSPH*3012A**	PG9MTAV60100*A**	27,800	12.5	15.5
3659418	PA16NA030****A	CSPH*3012A**	PG9MTAV60125*A**	28,000	13.0	15.5
3659412	PA16NA030****A	CSPH*3012A**	PG9MXA036060	28,200	13.0	15.5
3659413	PA16NA030****A	CSPH*3012A**	PG9MXA036080	28,200	13.0	15.5
3659414	PA16NA030****A	CSPH*3012A**	PG9MXA048080	28,200	13.0	15.5
3659409	PA16NA030****A	CSPH*3012A**+TDR		28,200	11.5	14.0
3659420	PA16NA030****A	CSPH*3612A**	PG8*EA048070	28,600	13.0	15.5
3659421	PA16NA030****A	CSPH*3612A**	PG8*EA048090	28,600	13.0	16.0
3659425	PA16NA030****A	CSPH*3612A**	PG9MTAV36050*A**	28,400	12.5	15.0
3659426	PA16NA030****A	CSPH*3612A**	PG9MTAV36075*A**	28,400	12.5	15.5
3659427	PA16NA030****A	CSPH*3612A**	PG9MTAV60100*A**	28,800	13.0	16.0
3659428	PA16NA030****A	CSPH*3612A**	PG9MTAV60125*A**	28,800	13.0	16.0
3659422	PA16NA030****A	CSPH*3612A**	PG9MXA036060	28,800	13.0	16.0
3659423	PA16NA030****A	CSPH*3612A**	PG9MXA036080	28,600	13.0	16.0
3659424	PA16NA030****A	CSPH*3612A**	PG9MXA048080	28,800	13.0	16.0
3659419	PA16NA030****A	CSPH*3612A**+TDR		28,600	12.0	14.0
3659430	PA16NA030****A	CSPH*4212A**	PG8*EA048070	28,600	13.0	16.0
3659431	PA16NA030****A	CSPH*4212A**	PG8*EA048090	28,800	13.0	16.0
3659435	PA16NA030****A	CSPH*4212A**	PG9MTAV36050*A**	28,600	12.5	15.5
3659436	PA16NA030****A	CSPH*4212A**	PG9MTAV36075*A**	28,600	12.5	15.5
3659437	PA16NA030****A	CSPH*4212A**	PG9MTAV60100*A**	29,000	13.0	16.0
3659438	PA16NA030****A	CSPH*4212A**	PG9MTAV60125*A**	29,000	13.0	16.0
3659432	PA16NA030****A	CSPH*4212A**	PG9MXA036060	29,000	13.0	16.0
3659433	PA16NA030****A	CSPH*4212A**	PG9MXA036080	28,800	13.0	16.0
3659434	PA16NA030****A	CSPH*4212A**	PG9MXA048080	28,800	13.0	16.0
3659429	PA16NA030****A	CSPH*4212A**+TDR		28,600	12.0	14.0
3659441	PA16NA030****A	FF1ENP030		27,600	12.0	14.0
3659442	PA16NA030****A	FF1ENP031		28,200	12.5	15.0
3659443	PA16NA030****A	FF1ENP036		28,000	12.0	14.0
3659444	PA16NA030****A	FF1ENP037		28,200	12.5	15.0
3659445	PA16NA030****A	PF4MNA030		27,800	11.5	14.0
3659448	PA16NA030****A	PF4MNA031		28,200	12.5	15.0
3659446	PA16NA030****A	PF4MNA036		28,000	11.5	13.5
3659449	PA16NA030****A	PF4MNA037		28,200	12.5	15.0
3659447	PA16NA030****A	PF4MNA042		28,200	11.5	13.5
3659450	PA16NA030****A	PF4MNA043		28,400	12.0	14.0
3659439	PA16NA030****A	PF4MNB031		28,400	13.0	15.5
3659440	PA16NA030****A	PF4MNB037		28,800	13.0	16.0
3659457	PA16NA036****A	CAP**3614A**	PG8*EA024045	32,600	11.5	14.0
3659456	PA16NA036****A	CAP**3614A**+TDR		32,800	11.5	14.0
3659459	PA16NA036****A	CAP**3617A**	PG8*EA024045	32,800	12.0	14.5
3659460	PA16NA036****A	CAP**3617A**	PG8*EA048070	33,000	12.0	15.0

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# COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3659461	PA16NA036****A	CAP**3617A**	PG9MXA036060	33,200	12.5	15.0
3659462	PA16NA036****A	CAP**3617A**	PG9MXA036080	33,000	12.5	15.0
3659463	PA16NA036****A	CAP**3617A**	PG9MXA048080	33,200	12.5	15.0
3659458	PA16NA036****A	CAP**3617A**+TDR		33,000	11.5	14.0
3659465	PA16NA036****A	CAP**3621A**	PG8*EA048070	33,000	12.0	15.0
3659466	PA16NA036****A	CAP**3621A**	PG8*EA048090	33,200	12.5	15.5
3659467	PA16NA036****A	CAP**3621A**	PG8*EA060110	33,400	12.5	15.5
3659472	PA16NA036****A	CAP**3621A**	PG9MTAV36050*A**	32,800	11.5	14.6
3659473	PA16NA036****A	CAP**3621A**	PG9MTAV36075*A**	33,000	12.0	14.5
3659468	PA16NA036****A	CAP**3621A**	PG9MXA036060	33,400	12.5	15.5
3659469	PA16NA036****A	CAP**3621A**	PG9MXA036080	33,200	12.5	15.5
3659470	PA16NA036****A	CAP**3621A**	PG9MXA048080	33,200	12.5	15.0
3659471	PA16NA036****A	CAP**3621A**	PG9MXA060100	33,200	13.0	16.0
3659464	PA16NA036****A	CAP**3621A**+TDR		33,000	11.5	14.0
3659475	PA16NA036****A	CAP**4221A**	PG8*EA048070	33,200	12.0	15.0
3659476	PA16NA036****A	CAP**4221A**	PG8*EA048090	33,400	13.0	16.0
3659477	PA16NA036****A	CAP**4221A**	PG8*EA060110	33,600	13.0	16.0
3659482	PA16NA036****A	CAP**4221A**	PG9MTAV36050*A**	33,000	12.0	14.5
3659483	PA16NA036****A	CAP**4221A**	PG9MTAV36075*A**	33,200	12.0	14.5
3659478	PA16NA036****A	CAP**4221A**	PG9MXA036060	33,600	12.5	15.5
3659479	PA16NA036****A	CAP**4221A**	PG9MXA036080	33,400	12.5	15.5
3659480	PA16NA036****A	CAP**4221A**	PG9MXA048080	33,400	12.5	15.5
3659481	PA16NA036****A	CAP**4221A**	PG9MXA060100	33,400	13.0	16.0
3659474	PA16NA036****A	CAP**4221A**+TDR		33,400	11.5	14.0
3659485	PA16NA036****A	CAP**4224A**	PG8*EA048090	33,600	13.0	16.0
3659486	PA16NA036****A	CAP**4224A**	PG8*EA060110	33,600	13.0	16.0
3659488	PA16NA036****A	CAP**4224A**	PG9MTAV60100*A**	33,800	12.5	15.0
3659489	PA16NA036****A	CAP**4224A**	PG9MTAV60125*A**	33,800	12.5	15.0
3659487	PA16NA036****A	CAP**4224A**	PG9MXA060100	33,400	13.0	16.0
3659484	PA16NA036****A	CAP**4224A**+TDR		33,400	11.5	14.0
3659491	PA16NA036****A	CAP**4817A**	PG8*EA024045	33,800	12.0	14.5
3659492	PA16NA036****A	CAP**4817A**	PG8*EA048070	33,800	12.0	15.0
3659493	PA16NA036****A	CAP**4817A**	PG9MXA036060	34,200	13.0	16.0
3659494	PA16NA036****A	CAP**4817A**	PG9MXA036080	34,000	13.0	16.0
3659495	PA16NA036****A	CAP**4817A**	PG9MXA048080	34,200	13.0	16.0
3659490	PA16NA036****A	CAP**4817A**+TDR		34,000	11.5	14.0
3659497	PA16NA036****A	CAP**4821A**	PG8*EA048070	33,600	12.0	15.0
3659498	PA16NA036****A	CAP**4821A**	PG8*EA048090	34,000	13.0	16.0
3659499	PA16NA036****A	CAP**4821A**	PG8*EA060110	34,000	13.0	16.0
3659504	PA16NA036****A	CAP**4821A**	PG9MTAV36050*A**	33,400	12.0	14.5
3659505	PA16NA036****A	CAP**4821A**	PG9MTAV36075*A**	33,600	12.0	15.0
3659500	PA16NA036****A	CAP**4821A**	PG9MXA036060	34,000	13.0	16.0
3659501	PA16NA036****A	CAP**4821A**	PG9MXA036080	33,800	13.0	16.0
3659502	PA16NA036****A	CAP**4821A**	PG9MXA048080	34,000	13.0	15.5
3659503	PA16NA036****A	CAP**4821A**	PG9MXA060100	33,800	13.0	16.0
3659496	PA16NA036****A	CAP**4821A**+TDR		33,800	11.5	14.0
3659507	PA16NA036****A	CAP**4824A**	PG8*EA048090	34,000	13.0	16.0
3659508	PA16NA036****A	CAP**4824A**	PG8*EA060110	34,200	13.0	16.0
3659510	PA16NA036****A	CAP**4824A**	PG9MTAV60100*A**	34,200	12.5	15.0
3659511	PA16NA036****A	CAP**4824A**	PG9MTAV60125*A**	34,200	13.0	15.5
3659509	PA16NA036****A	CAP**4824A**	PG9MXA060100	33,800	13.0	16.0
3659506	PA16NA036****A	CAP**4824A**+TDR		33,800	11.5	14.0
3659599	PA16NA036****A	CNPF*3618A**+TDR		33,000	11.0	13.5
3659600	PA16NA036****A	CNPF*4818A**+TDR		33,800	11.5	14.0
3659561	PA16NA036****A	CNPH*3617A**	PG8*EA024045	32,800	12.0	14.5
3659562	PA16NA036****A	CNPH*3617A**	PG8*EA048070	32,800	12.0	14.5
3659563	PA16NA036****A	CNPH*3617A**	PG8*EA048090	33,000	12.5	15.0
3659564	PA16NA036****A	CNPH*3617A**	PG8*EA060110	33,000	12.5	15.5
3659569	PA16NA036****A	CNPH*3617A**	PG9MTAV36050*A**	32,600	11.5	14.0
3659570	PA16NA036****A	CNPH*3617A**	PG9MTAV36075*A**	32,600	11.5	14.5
3659571	PA16NA036****A	CNPH*3617A**	PG9MTAV60100*A**	33,200	12.0	15.0
3659572	PA16NA036****A	CNPH*3617A**	PG9MTAV60125*A**	33,200	12.0	15.0
3659565	PA16NA036****A	CNPH*3617A**	PG9MXA036060	33,000	12.0	15.0
3659566	PA16NA036****A	CNPH*3617A**	PG9MXA036080	33,000	12.5	15.0
3659567	PA16NA036****A	CNPH*3617A**	PG9MXA048080	33,000	12.0	15.0
3659568	PA16NA036****A	CNPH*3617A**	PG9MXA060100	32,800	12.5	15.5
3659560	PA16NA036****A	CNPH*3617A**+TDR		33,000	11.5	14.0
3659574	PA16NA036****A	CNPH*4221A**	PG8*EA024045	33,200	12.0	14.5
3659575	PA16NA036****A	CNPH*4221A**	PG8*EA048070	33,200	12.0	15.0
3659576	PA16NA036****A	CNPH*4221A**	PG8*EA048090	33,400	12.5	15.5
3659577	PA16NA036****A	CNPH*4221A**	PG8*EA060110	33,600	13.0	16.0
3659582	PA16NA036****A	CNPH*4221A**	PG9MTAV36050*A**	33,000	11.5	14.5
3659583	PA16NA036****A	CNPH*4221A**	PG9MTAV36075*A**	33,200	12.0	14.5
3659584	PA16NA036****A	CNPH*4221A**	PG9MTAV60100*A**	33,600	12.5	15.0
3659585	PA16NA036****A	CNPH*4221A**	PG9MTAV60125*A**	33,600	12.5	15.0
3659578	PA16NA036****A	CNPH*4221A**	PG9MXA036060	33,400	12.5	15.5
3659579	PA16NA036****A	CNPH*4221A**	PG9MXA036080	33,400	12.5	15.5
3659580	PA16NA036****A	CNPH*4221A**	PG9MXA048080	33,400	12.5	15.5
3659581	PA16NA036****A	CNPH*4221A**	PG9MXA060100	33,200	13.0	16.0

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AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3659573	PA16NA036****A	CNPH*4221A**+TDR		33,400	11.5	14.0
3659587	PA16NA036****A	CNPH*4821A**	PG8*EA024045	33,800	12.0	15.0
3659588	PA16NA036****A	CNPH*4821A**	PG8*EA048070	33,800	12.5	15.0
3659589	PA16NA036****A	CNPH*4821A**	PG8*EA048090	34,000	13.0	16.0
3659590	PA16NA036****A	CNPH*4821A**	PG8*EA060110	34,200	13.0	16.0
3659595	PA16NA036****A	CNPH*4821A**	PG9MTAV36050*A**	33,600	12.0	14.5
3659596	PA16NA036****A	CNPH*4821A**	PG9MTAV36075*A**	33,800	12.0	15.0
3659597	PA16NA036****A	CNPH*4821A**	PG9MTAV60100*A**	34,400	12.5	15.0
3659598	PA16NA036****A	CNPH*4821A**	PG9MTAV60125*A**	34,400	13.0	15.5
3659591	PA16NA036****A	CNPH*4821A**	PG9MXA036060	34,200	13.0	16.0
3659592	PA16NA036****A	CNPH*4821A**	PG9MXA036080	34,000	13.0	16.0
3659593	PA16NA036****A	CNPH*4821A**	PG9MXA048080	34,200	13.0	16.0
3659594	PA16NA036****A	CNPH*4821A**	PG9MXA060100	34,000	13.0	16.0
3659586	PA16NA036****A	CNPH*4821A**+TDR		34,000	12.0	14.5
3659513	PA16NA036****A	CNPV*3617A**	PG8*EA024045	32,800	11.5	14.5
3659514	PA16NA036****A	CNPV*3617A**	PG8*EA048070	32,800	12.0	14.5
3659515	PA16NA036****A	CNPV*3617A**	PG9MXA036060	33,000	12.0	15.0
3659516	PA16NA036****A	CNPV*3617A**	PG9MXA036080	33,000	12.0	15.0
3659517	PA16NA036****A	CNPV*3617A**	PG9MXA048080	33,000	12.0	15.0
3659512	PA16NA036****A	CNPV*3617A**+TDR		33,000	11.5	14.0
3659519	PA16NA036****A	CNPV*3621A**	PG8*EA048070	32,800	12.0	14.5
3659520	PA16NA036****A	CNPV*3621A**	PG8*EA048090	33,000	12.5	15.5
3659521	PA16NA036****A	CNPV*3621A**	PG8*EA060110	33,200	12.5	15.5
3659526	PA16NA036****A	CNPV*3621A**	PG9MTAV36050*A**	32,600	11.5	14.0
3659527	PA16NA036****A	CNPV*3621A**	PG9MTAV36075*A**	32,800	11.5	14.5
3659522	PA16NA036****A	CNPV*3621A**	PG9MXA036060	33,000	12.0	15.0
3659523	PA16NA036****A	CNPV*3621A**	PG9MXA036080	33,000	12.5	15.0
3659524	PA16NA036****A	CNPV*3621A**	PG9MXA048080	33,000	12.0	15.0
3659525	PA16NA036****A	CNPV*3621A**	PG9MXA060100	32,800	12.5	15.5
3659518	PA16NA036****A	CNPV*3621A**+TDR		33,000	11.5	13.5
3659451	PA16NA036****A	CNPV*3717A**	PG8*EA024045	34,000	12.0	15.0
3659452	PA16NA036****A	CNPV*3717A**	PG8*EA048070	34,200	12.5	15.5
3659453	PA16NA036****A	CNPV*3717A**	PG9MXA036060	34,400	13.0	16.0
3659454	PA16NA036****A	CNPV*3717A**	PG9MXA036080	34,200	13.0	16.0
3659455	PA16NA036****A	CNPV*3717A**	PG9MXA048080	34,400	13.0	16.0
3659529	PA16NA036****A	CNPV*4217A**	PG8*EA024045	33,400	11.5	14.5
3659530	PA16NA036****A	CNPV*4217A**	PG8*EA048070	33,400	12.0	15.0
3659531	PA16NA036****A	CNPV*4217A**	PG9MXA036060	33,800	12.5	15.5
3659532	PA16NA036****A	CNPV*4217A**	PG9MXA036080	33,600	12.5	15.5
3659533	PA16NA036****A	CNPV*4217A**	PG9MXA048080	33,800	12.5	15.5
3659528	PA16NA036****A	CNPV*4217A**+TDR		33,800	11.5	14.0
3659535	PA16NA036****A	CNPV*4221A**	PG8*EA048070	33,200	12.0	14.5
3659536	PA16NA036****A	CNPV*4221A**	PG8*EA048090	33,400	12.5	15.5
3659537	PA16NA036****A	CNPV*4221A**	PG8*EA060110	33,600	13.0	16.0
3659542	PA16NA036****A	CNPV*4221A**	PG9MTAV36050*A**	33,000	11.5	14.5
3659543	PA16NA036****A	CNPV*4221A**	PG9MTAV36075*A**	33,200	12.0	14.5
3659538	PA16NA036****A	CNPV*4221A**	PG9MXA036060	33,400	12.5	15.5
3659539	PA16NA036****A	CNPV*4221A**	PG9MXA036080	33,400	12.5	15.5
3659540	PA16NA036****A	CNPV*4221A**	PG9MXA048080	33,400	12.5	15.5
3659541	PA16NA036****A	CNPV*4221A**	PG9MXA060100	33,200	13.0	16.0
3659534	PA16NA036****A	CNPV*4221A**+TDR		33,400	11.5	14.0
3659545	PA16NA036****A	CNPV*4821A**	PG8*EA048070	33,800	12.5	15.0
3659546	PA16NA036****A	CNPV*4821A**	PG8*EA048090	34,000	13.0	16.0
3659547	PA16NA036****A	CNPV*4821A**	PG8*EA060110	34,200	13.0	16.0
3659552	PA16NA036****A	CNPV*4821A**	PG9MTAV36050*A**	33,600	12.0	14.5
3659553	PA16NA036****A	CNPV*4821A**	PG9MTAV36075*A**	33,800	12.0	15.0
3659548	PA16NA036****A	CNPV*4821A**	PG9MXA036060	34,200	13.0	16.0
3659549	PA16NA036****A	CNPV*4821A**	PG9MXA036080	34,000	13.0	16.0
3659550	PA16NA036****A	CNPV*4821A**	PG9MXA048080	34,200	13.0	16.0
3659551	PA16NA036****A	CNPV*4821A**	PG9MXA060100	34,000	13.0	16.0
3659544	PA16NA036****A	CNPV*4821A**+TDR		34,000	11.5	14.0
3659555	PA16NA036****A	CNPV*4824A**	PG8*EA048090	34,000	13.0	16.0
3659556	PA16NA036****A	CNPV*4824A**	PG8*EA060110	34,200	13.0	16.0
3659558	PA16NA036****A	CNPV*4824A**	PG9MTAV60100*A**	34,400	12.5	15.0
3659559	PA16NA036****A	CNPV*4824A**	PG9MTAV60125*A**	34,400	12.5	15.5
3659557	PA16NA036****A	CNPV*4824A**	PG9MXA060100	34,000	13.0	16.0
3659554	PA16NA036****A	CNPV*4824A**+TDR		34,000	11.5	14.0
3659602	PA16NA036****A	CSPH*3612A**	PG8*EA024045	33,600	12.0	14.5
3659603	PA16NA036****A	CSPH*3612A**	PG8*EA048070	33,600	12.0	15.0
3659604	PA16NA036****A	CSPH*3612A**	PG8*EA048090	33,800	13.0	16.0
3659605	PA16NA036****A	CSPH*3612A**	PG8*EA060110	34,000	13.0	16.0
3659610	PA16NA036****A	CSPH*3612A**	PG9MTAV36050*A**	33,400	12.0	14.5
3659611	PA16NA036****A	CSPH*3612A**	PG9MTAV36075*A**	33,800	12.0	14.5
3659612	PA16NA036****A	CSPH*3612A**	PG9MTAV60100*A**	34,000	12.5	15.0
3659613	PA16NA036****A	CSPH*3612A**	PG9MTAV60125*A**	34,200	12.5	15.5
3659606	PA16NA036****A	CSPH*3612A**	PG9MXA036060	33,800	12.5	15.5
3659607	PA16NA036****A	CSPH*3612A**	PG9MXA036080	33,800	13.0	16.0
3659608	PA16NA036****A	CSPH*3612A**	PG9MXA048080	33,800	12.5	15.5
3659609	PA16NA036****A	CSPH*3612A**	PG9MXA060100	33,800	13.0	16.0

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AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3659601	PA16NA036****A	CSPH*3612A**+TDR		33,800	11.5	14.0
3659615	PA16NA036****A	CSPH*4212A**	PG8*EA024045	33,800	12.0	15.0
3659616	PA16NA036****A	CSPH*4212A**	PG8*EA048070	33,800	12.5	15.0
3659617	PA16NA036****A	CSPH*4212A**	PG8*EA048090	34,000	13.0	16.0
3659618	PA16NA036****A	CSPH*4212A**	PG8*EA060110	34,200	13.0	16.0
3659623	PA16NA036****A	CSPH*4212A**	PG9MTAV36050*A**	33,800	12.0	14.5
3659624	PA16NA036****A	CSPH*4212A**	PG9MTAV36075*A**	33,800	12.0	15.0
3659625	PA16NA036****A	CSPH*4212A**	PG9MTAV60100*A**	34,400	12.5	15.5
3659626	PA16NA036****A	CSPH*4212A**	PG9MTAV60125*A**	34,400	12.5	15.5
3659619	PA16NA036****A	CSPH*4212A**	PG9MXA036060	34,200	13.0	16.0
3659620	PA16NA036****A	CSPH*4212A**	PG9MXA036080	34,000	13.0	16.0
3659621	PA16NA036****A	CSPH*4212A**	PG9MXA048080	34,200	13.0	16.0
3659622	PA16NA036****A	CSPH*4212A**	PG9MXA060100	34,000	13.0	16.0
3659614	PA16NA036****A	CSPH*4212A**+TDR		34,000	11.5	14.0
3659628	PA16NA036****A	CSPH*4812A**	PG8*EA024045	34,000	12.0	15.0
3659629	PA16NA036****A	CSPH*4812A**	PG8*EA048070	34,000	12.5	15.0
3659630	PA16NA036****A	CSPH*4812A**	PG8*EA048090	34,200	13.0	16.0
3659631	PA16NA036****A	CSPH*4812A**	PG8*EA060110	34,400	13.0	16.0
3659636	PA16NA036****A	CSPH*4812A**	PG9MTAV36050*A**	33,800	12.0	14.5
3659637	PA16NA036****A	CSPH*4812A**	PG9MTAV36075*A**	34,000	12.0	15.0
3659638	PA16NA036****A	CSPH*4812A**	PG9MTAV60100*A**	34,400	12.5	15.5
3659639	PA16NA036****A	CSPH*4812A**	PG9MTAV60125*A**	34,400	12.5	15.5
3659632	PA16NA036****A	CSPH*4812A**	PG9MXA036060	34,200	13.0	16.0
3659633	PA16NA036****A	CSPH*4812A**	PG9MXA036080	34,200	13.0	16.0
3659634	PA16NA036****A	CSPH*4812A**	PG9MXA048080	34,200	13.0	16.0
3659635	PA16NA036****A	CSPH*4812A**	PG9MXA060100	34,000	13.0	16.0
3659627	PA16NA036****A	CSPH*4812A**+TDR		34,200	11.5	14.0
3659643	PA16NA036****A	FF1ENP036		33,000	11.0	13.5
3659644	PA16NA036****A	FF1ENP037		33,200	11.5	14.0
3659645	PA16NA036****A	PF4MNA036		33,000	11.0	13.5
3659648	PA16NA036****A	PF4MNA037		33,600	12.0	15.0
3659646	PA16NA036****A	PF4MNA042		33,600	11.5	13.5
3659649	PA16NA036****A	PF4MNA043		34,000	12.0	15.0
3659647	PA16NA036****A	PF4MNA048		34,200	11.5	14.0
3659650	PA16NA036****A	PF4MNA049		34,400	12.0	14.5
3659640	PA16NA036****A	PF4MNB037		34,200	12.5	15.5
3659641	PA16NA036****A	PF4MNB043		34,200	13.0	15.5
3659642	PA16NA036****A	PF4MNB049		34,800	13.0	16.0
3659659	PA16NA042****A	CAP**4221A**	PG8*EA048070	39,500	12.0	14.5
3659660	PA16NA042****A	CAP**4221A**	PG8*EA048090	40,000	13.0	15.2
3659661	PA16NA042****A	CAP**4221A**	PG8*EA060110	40,000	13.0	15.5
3659666	PA16NA042****A	CAP**4221A**	PG9MTAV36075*A**	39,500	11.5	14.0
3659662	PA16NA042****A	CAP**4221A**	PG9MXA036060	40,000	12.5	15.0
3659663	PA16NA042****A	CAP**4221A**	PG9MXA036080	40,000	12.5	15.0
3659664	PA16NA042****A	CAP**4221A**	PG9MXA048080	40,000	12.5	15.0
3659665	PA16NA042****A	CAP**4221A**	PG9MXA060100	40,000	13.0	15.5
3659658	PA16NA042****A	CAP**4221A**+TDR		40,000	11.5	14.0
3659668	PA16NA042****A	CAP**4224A**	PG8*EA048090	40,000	13.0	15.5
3659669	PA16NA042****A	CAP**4224A**	PG8*EA060110	40,000	13.0	15.5
3659670	PA16NA042****A	CAP**4224A**	PG8*EA060135	40,000	13.0	15.5
3659673	PA16NA042****A	CAP**4224A**	PG9MTAV60100*A**	40,000	12.5	15.0
3659674	PA16NA042****A	CAP**4224A**	PG9MTAV60125*A**	40,000	12.5	15.0
3659671	PA16NA042****A	CAP**4224A**	PG9MXA060100	40,000	13.0	15.5
3659672	PA16NA042****A	CAP**4224A**	PG9MXA060120	40,000	13.0	15.5
3659667	PA16NA042****A	CAP**4224A**+TDR		40,000	11.5	14.0
3659676	PA16NA042****A	CAP**4817A**	PG8*EA048070	40,500	12.0	14.5
3659677	PA16NA042****A	CAP**4817A**	PG9MXA036060	41,000	13.0	15.2
3659678	PA16NA042****A	CAP**4817A**	PG9MXA036080	41,000	13.0	15.5
3659679	PA16NA042****A	CAP**4817A**	PG9MXA048080	40,500	13.0	15.5
3659675	PA16NA042****A	CAP**4817A**+TDR		41,000	12.0	14.0
3659681	PA16NA042****A	CAP**4821A**	PG8*EA048070	40,500	12.0	14.5
3659682	PA16NA042****A	CAP**4821A**	PG8*EA048090	40,500	13.0	15.5
3659683	PA16NA042****A	CAP**4821A**	PG8*EA060110	40,500	13.0	16.0
3659689	PA16NA042****A	CAP**4821A**	PG9MTAV36075*A**	40,000	12.0	14.5
3659684	PA16NA042****A	CAP**4821A**	PG9MXA036060	40,500	12.5	15.0
3659685	PA16NA042****A	CAP**4821A**	PG9MXA036080	40,500	12.5	15.2
3659686	PA16NA042****A	CAP**4821A**	PG9MXA048080	40,500	12.5	15.0
3659687	PA16NA042****A	CAP**4821A**	PG9MXA060100	40,500	13.0	15.5
3659688	PA16NA042****A	CAP**4821A**+TDR	PG9MTAV36075*A**	40,000	12.0	14.0
3659680	PA16NA042****A	CAP**4821A**+TDR		40,500	12.0	14.0
3659690	PA16NA042****A	CAP**4824A**	PG8*EA048090	40,500	13.0	15.5
3659691	PA16NA042****A	CAP**4824A**	PG8*EA060110	40,500	13.0	16.0
3659692	PA16NA042****A	CAP**4824A**	PG8*EA060135	40,500	13.0	15.5
3659695	PA16NA042****A	CAP**4824A**	PG9MTAV60100*A**	41,000	12.5	15.0
3659696	PA16NA042****A	CAP**4824A**	PG9MTAV60125*A**	40,500	13.0	15.5
3659693	PA16NA042****A	CAP**4824A**	PG9MXA060100	40,500	13.0	16.0
3659694	PA16NA042****A	CAP**4824A**	PG9MXA060120	41,000	13.0	16.0
3659698	PA16NA042****A	CAP**6021A**	PG8*EA048070	41,000	12.5	15.0

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# COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3659699	PA16NA042****A	CAP**6021A**	PG8*EA048090	41,000	13.0	16.0
3659700	PA16NA042****A	CAP**6021A**	PG8*EA060110	41,500	13.0	16.0
3659705	PA16NA042****A	CAP**6021A**	PG9MTAV36075*A**	41,000	12.0	14.5
3659701	PA16NA042****A	CAP**6021A**	PG9MXA036060	41,500	13.0	15.5
3659702	PA16NA042****A	CAP**6021A**	PG9MXA036080	41,500	13.0	15.5
3659703	PA16NA042****A	CAP**6021A**	PG9MXA048080	41,000	13.0	15.5
3659704	PA16NA042****A	CAP**6021A**	PG9MXA060100	41,500	13.0	16.0
3659697	PA16NA042****A	CAP**6021A**+TDR		41,500	12.0	14.5
3659707	PA16NA042****A	CAP**6024A**	PG8*EA048090	41,000	13.0	16.0
3659708	PA16NA042****A	CAP**6024A**	PG8*EA060110	41,500	13.0	16.0
3659709	PA16NA042****A	CAP**6024A**	PG8*EA060135	41,500	13.0	16.0
3659712	PA16NA042****A	CAP**6024A**	PG9MTAV60100*A**	41,500	13.0	15.5
3659713	PA16NA042****A	CAP**6024A**	PG9MTAV60125*A**	41,500	13.0	15.5
3659710	PA16NA042****A	CAP**6024A**	PG9MXA060100	41,500	13.0	16.0
3659711	PA16NA042****A	CAP**6024A**	PG9MXA060120	41,500	13.0	16.0
3659706	PA16NA042****A	CAP**6024A**+TDR		41,500	12.0	14.5
3659790	PA16NA042****A	CNPF*4818A**+TDR		40,500	12.0	14.0
3659753	PA16NA042****A	CNPH*4221A**	PG8*EA048070	39,500	12.0	14.5
3659754	PA16NA042****A	CNPH*4221A**	PG8*EA048090	40,000	12.5	15.0
3659755	PA16NA042****A	CNPH*4221A**	PG8*EA060110	40,000	13.0	15.5
3659756	PA16NA042****A	CNPH*4221A**	PG8*EA060135	40,000	12.5	15.0
3659762	PA16NA042****A	CNPH*4221A**	PG9MTAV60100*A**	40,000	12.5	15.0
3659763	PA16NA042****A	CNPH*4221A**	PG9MTAV60125*A**	40,000	12.5	15.0
3659757	PA16NA042****A	CNPH*4221A**	PG9MXA036060	40,000	12.5	15.0
3659758	PA16NA042****A	CNPH*4221A**	PG9MXA036080	40,000	12.5	15.0
3659759	PA16NA042****A	CNPH*4221A**	PG9MXA048080	40,000	12.5	15.0
3659760	PA16NA042****A	CNPH*4221A**	PG9MXA060100	40,000	13.0	15.5
3659761	PA16NA042****A	CNPH*4221A**	PG9MXA060120	40,000	13.0	15.5
3659752	PA16NA042****A	CNPH*4221A**+TDR		40,000	12.0	14.0
3662539	PA16NA042****A	CNPH*4321A**	PG8*EA048070	41,000	12.5	15.0
3662540	PA16NA042****A	CNPH*4321A**	PG8*EA048090	41,000	13.0	16.0
3662541	PA16NA042****A	CNPH*4321A**	PG8*EA060110	41,500	13.0	16.0
3662542	PA16NA042****A	CNPH*4321A**	PG8*EA060135	41,000	13.0	16.0
3662548	PA16NA042****A	CNPH*4321A**	PG9MTAV36075*A**	41,000	12.0	14.5
3662549	PA16NA042****A	CNPH*4321A**	PG9MTAV60100*A**	41,500	13.0	15.5
3662550	PA16NA042****A	CNPH*4321A**	PG9MTAV60125*A**	41,500	13.0	15.5
3662543	PA16NA042****A	CNPH*4321A**	PG9MXA036060	41,500	13.0	15.5
3662544	PA16NA042****A	CNPH*4321A**	PG9MXA036080	41,500	13.0	15.5
3662545	PA16NA042****A	CNPH*4321A**	PG9MXA048080	41,000	13.0	15.5
3662546	PA16NA042****A	CNPH*4321A**	PG9MXA060100	41,500	13.0	16.0
3662547	PA16NA042****A	CNPH*4321A**	PG9MXA060120	41,500	13.0	16.0
3662538	PA16NA042****A	CNPH*4321A**+TDR		41,500	12.0	14.5
3659765	PA16NA042****A	CNPH*4821A**	PG8*EA048070	40,500	12.0	14.5
3659766	PA16NA042****A	CNPH*4821A**	PG8*EA048090	40,500	13.0	15.5
3659767	PA16NA042****A	CNPH*4821A**	PG8*EA060110	41,000	13.0	16.0
3659768	PA16NA042****A	CNPH*4821A**	PG8*EA060135	41,000	13.0	16.0
3659774	PA16NA042****A	CNPH*4821A**	PG9MTAV36075*A**	40,500	12.0	14.5
3659775	PA16NA042****A	CNPH*4821A**	PG9MTAV60100*A**	41,000	12.5	15.0
3659776	PA16NA042****A	CNPH*4821A**	PG9MTAV60125*A**	41,000	13.0	15.5
3659769	PA16NA042****A	CNPH*4821A**	PG9MXA036060	41,000	12.5	15.0
3659770	PA16NA042****A	CNPH*4821A**	PG9MXA036080	41,000	13.0	15.5
3659771	PA16NA042****A	CNPH*4821A**	PG9MXA048080	40,500	13.0	15.5
3659772	PA16NA042****A	CNPH*4821A**	PG9MXA060100	41,000	13.0	16.0
3659773	PA16NA042****A	CNPH*4821A**	PG9MXA060120	41,000	13.0	16.0
3659764	PA16NA042****A	CNPH*4821A**+TDR		41,000	12.0	14.0
3659778	PA16NA042****A	CNPH*6024A**	PG8*EA048070	41,000	12.5	14.5
3659779	PA16NA042****A	CNPH*6024A**	PG8*EA048090	41,500	13.0	16.0
3659780	PA16NA042****A	CNPH*6024A**	PG8*EA060110	41,500	13.0	16.0
3659781	PA16NA042****A	CNPH*6024A**	PG8*EA060135	41,500	13.0	16.0
3659787	PA16NA042****A	CNPH*6024A**	PG9MTAV36075*A**	41,000	12.0	14.5
3659788	PA16NA042****A	CNPH*6024A**	PG9MTAV60100*A**	41,500	13.0	15.5
3659789	PA16NA042****A	CNPH*6024A**	PG9MTAV60125*A**	41,500	13.0	16.0
3659782	PA16NA042****A	CNPH*6024A**	PG9MXA036060	41,500	13.0	15.5
3659783	PA16NA042****A	CNPH*6024A**	PG9MXA036080	41,500	13.0	15.5
3659784	PA16NA042****A	CNPH*6024A**	PG9MXA048080	41,000	13.0	15.5
3659785	PA16NA042****A	CNPH*6024A**	PG9MXA060100	41,500	13.0	16.0
3659786	PA16NA042****A	CNPH*6024A**	PG9MXA060120	41,500	13.0	16.0
3659777	PA16NA042****A	CNPH*6024A**+TDR		41,500	12.0	14.0
3659715	PA16NA042****A	CNPV*4217A**	PG8*EA048070	40,000	12.0	14.5
3659716	PA16NA042****A	CNPV*4217A**	PG9MXA036060	40,500	12.5	15.0
3659717	PA16NA042****A	CNPV*4217A**	PG9MXA036080	40,500	12.5	15.0
3659718	PA16NA042****A	CNPV*4217A**	PG9MXA048080	40,000	12.5	15.0
3659714	PA16NA042****A	CNPV*4217A**+TDR		40,500	12.0	14.0
3659720	PA16NA042****A	CNPV*4221A**	PG8*EA048070	39,500	12.0	14.5
3659721	PA16NA042****A	CNPV*4221A**	PG8*EA048090	40,000	12.5	15.0
3659722	PA16NA042****A	CNPV*4221A**	PG8*EA060110	40,000	13.0	15.5
3659723	PA16NA042****A	CNPV*4221A**	PG9MXA036060	40,000	12.5	15.0
3659724	PA16NA042****A	CNPV*4221A**	PG9MXA036080	40,000	12.5	15.0
3659725	PA16NA042****A	CNPV*4221A**	PG9MXA048080	40,000	12.5	15.0

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AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3659726	PA16NA042****A	CNPV*4221A**	PG9MXA060100	40,000	13.0	15.5
3659719	PA16NA042****A	CNPV*4221A**+TDR		40,000	12.0	14.0
3659651	PA16NA042****A	CNPV*4324A**	PG8*EA048090	41,500	13.0	16.0
3659652	PA16NA042****A	CNPV*4324A**	PG8*EA060110	41,500	13.0	16.0
3659653	PA16NA042****A	CNPV*4324A**	PG8*EA060135	41,500	13.0	16.0
3659656	PA16NA042****A	CNPV*4324A**	PG9MTAV60100*A**	41,500	13.0	15.5
3659657	PA16NA042****A	CNPV*4324A**	PG9MTAV60125*A**	41,500	13.0	16.0
3659654	PA16NA042****A	CNPV*4324A**	PG9MXA060100	41,500	13.0	16.0
3659655	PA16NA042****A	CNPV*4324A**	PG9MXA060120	41,500	13.0	16.0
3659728	PA16NA042****A	CNPV*4821A**	PG8*EA048070	40,500	12.0	14.5
3659729	PA16NA042****A	CNPV*4821A**	PG8*EA048090	40,500	13.0	15.5
3659730	PA16NA042****A	CNPV*4821A**	PG8*EA060110	41,000	13.0	16.0
3659735	PA16NA042****A	CNPV*4821A**	PG9MTAV36075*A**	40,500	12.0	14.5
3659731	PA16NA042****A	CNPV*4821A**	PG9MXA036060	41,000	13.0	15.2
3659732	PA16NA042****A	CNPV*4821A**	PG9MXA036080	41,000	13.0	15.5
3659733	PA16NA042****A	CNPV*4821A**	PG9MXA048080	40,500	13.0	15.5
3659734	PA16NA042****A	CNPV*4821A**	PG9MXA060100	41,000	13.0	16.0
3659727	PA16NA042****A	CNPV*4821A**+TDR		41,000	12.0	14.0
3659737	PA16NA042****A	CNPV*4824A**	PG8*EA048090	40,500	13.0	16.0
3659738	PA16NA042****A	CNPV*4824A**	PG8*EA060110	41,000	13.0	16.0
3659739	PA16NA042****A	CNPV*4824A**	PG8*EA060135	41,000	13.0	16.0
3659742	PA16NA042****A	CNPV*4824A**	PG9MTAV60100*A**	41,000	12.5	15.0
3659743	PA16NA042****A	CNPV*4824A**	PG9MTAV60125*A**	41,000	13.0	15.5
3659740	PA16NA042****A	CNPV*4824A**	PG9MXA060100	41,000	13.0	16.0
3659741	PA16NA042****A	CNPV*4824A**	PG9MXA060120	41,000	13.0	16.0
3659736	PA16NA042****A	CNPV*4824A**+TDR		41,000	12.0	14.0
3659745	PA16NA042****A	CNPV*6024A**	PG8*EA048090	41,500	13.0	16.0
3659746	PA16NA042****A	CNPV*6024A**	PG8*EA060110	41,500	13.0	16.0
3659747	PA16NA042****A	CNPV*6024A**	PG8*EA060135	41,500	13.0	16.0
3659750	PA16NA042****A	CNPV*6024A**	PG9MTAV60100*A**	41,500	13.0	15.5
3659751	PA16NA042****A	CNPV*6024A**	PG9MTAV60125*A**	41,500	13.0	16.0
3659748	PA16NA042****A	CNPV*6024A**	PG9MXA060100	41,500	13.0	16.0
3659749	PA16NA042****A	CNPV*6024A**	PG9MXA060120	41,500	13.0	16.0
3659744	PA16NA042****A	CNPV*6024A**+TDR		41,500	12.0	14.0
3659792	PA16NA042****A	CSPH*4212A**	PG8*EA048070	40,500	12.0	14.5
3659793	PA16NA042****A	CSPH*4212A**	PG8*EA048090	40,500	13.0	15.5
3659794	PA16NA042****A	CSPH*4212A**	PG8*EA060110	41,000	13.0	16.0
3659795	PA16NA042****A	CSPH*4212A**	PG8*EA060135	40,500	13.0	15.5
3659801	PA16NA042****A	CSPH*4212A**	PG9MTAV36075*A**	40,500	12.0	14.5
3659802	PA16NA042****A	CSPH*4212A**	PG9MTAV60100*A**	41,000	12.5	15.0
3659803	PA16NA042****A	CSPH*4212A**	PG9MTAV60125*A**	41,000	13.0	15.5
3659796	PA16NA042****A	CSPH*4212A**	PG9MXA036060	41,000	12.5	15.0
3659797	PA16NA042****A	CSPH*4212A**	PG9MXA036080	41,000	13.0	15.5
3659798	PA16NA042****A	CSPH*4212A**	PG9MXA048080	40,500	13.0	15.5
3659799	PA16NA042****A	CSPH*4212A**	PG9MXA060100	41,000	13.0	16.0
3659800	PA16NA042****A	CSPH*4212A**	PG9MXA060120	41,000	13.0	16.0
3659791	PA16NA042****A	CSPH*4212A**+TDR		41,000	12.0	14.0
3659805	PA16NA042****A	CSPH*4812A**	PG8*EA048070	40,500	12.5	14.5
3659806	PA16NA042****A	CSPH*4812A**	PG8*EA048090	41,000	13.0	16.0
3659807	PA16NA042****A	CSPH*4812A**	PG8*EA060110	41,000	13.0	16.0
3659808	PA16NA042****A	CSPH*4812A**	PG8*EA060135	41,000	13.0	16.0
3659814	PA16NA042****A	CSPH*4812A**	PG9MTAV36075*A**	40,500	12.0	14.5
3659815	PA16NA042****A	CSPH*4812A**	PG9MTAV60100*A**	41,000	12.5	15.0
3659816	PA16NA042****A	CSPH*4812A**	PG9MTAV60125*A**	41,000	13.0	15.5
3659809	PA16NA042****A	CSPH*4812A**	PG9MXA036060	41,000	13.0	15.2
3659810	PA16NA042****A	CSPH*4812A**	PG9MXA036080	41,000	13.0	15.5
3659811	PA16NA042****A	CSPH*4812A**	PG9MXA048080	41,000	13.0	15.5
3659812	PA16NA042****A	CSPH*4812A**	PG9MXA060100	41,000	13.0	16.0
3659813	PA16NA042****A	CSPH*4812A**	PG9MXA060120	41,000	13.0	16.0
3659804	PA16NA042****A	CSPH*4812A**+TDR		41,000	12.0	14.0
3659818	PA16NA042****A	CSPH*6012A**	PG8*EA048070	41,500	12.5	15.0
3659819	PA16NA042****A	CSPH*6012A**	PG8*EA048090	41,500	13.0	16.0
3659820	PA16NA042****A	CSPH*6012A**	PG8*EA060110	41,500	13.0	16.0
3659821	PA16NA042****A	CSPH*6012A**	PG8*EA060135	41,500	13.0	16.0
3659827	PA16NA042****A	CSPH*6012A**	PG9MTAV36075*A**	41,000	12.0	14.5
3659828	PA16NA042****A	CSPH*6012A**	PG9MTAV60100*A**	41,500	13.0	15.5
3659829	PA16NA042****A	CSPH*6012A**	PG9MTAV60125*A**	41,500	13.0	16.0
3659822	PA16NA042****A	CSPH*6012A**	PG9MXA036060	41,500	13.0	15.5
3659823	PA16NA042****A	CSPH*6012A**	PG9MXA036080	41,500	13.0	16.0
3659824	PA16NA042****A	CSPH*6012A**	PG9MXA048080	41,500	13.0	16.0
3659825	PA16NA042****A	CSPH*6012A**	PG9MXA060100	41,500	13.0	16.0
3659826	PA16NA042****A	CSPH*6012A**	PG9MXA060120	41,500	13.0	16.0
3659817	PA16NA042****A	CSPH*6012A**+TDR		41,500	12.0	14.5
3659832	PA16NA042****A	PF4MNA042		40,500	11.5	13.5
3659835	PA16NA042****A	PF4MNA043		41,000	12.5	15.0
3659833	PA16NA042****A	PF4MNA048		41,000	12.0	14.0
3659836	PA16NA042****A	PF4MNA049		41,500	13.0	15.5
3659834	PA16NA042****A	PF4MNA060		41,500	12.0	14.0
3659837	PA16NA042****A	PF4MNA061		41,500	12.0	14.5

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AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3659830	PA16NA042****A	PF4MNB043		41,000	12.5	15.0
3659831	PA16NA042****A	PF4MNB049		42,000	13.0	16.0
3659838	PA16NA048****A	†CNPV*6124A**+TDR		46,500	12.5	14.5
3659847	PA16NA048****A	CAP**4817A**	PG9MXA048080	45,000	12.5	14.5
3659846	PA16NA048****A	CAP**4817A**+TDR		44,500	12.0	14.0
3659849	PA16NA048****A	CAP**4821A**	PG8*EA048090	44,500	12.5	14.5
3659850	PA16NA048****A	CAP**4821A**	PG8*EA060110	44,500	13.0	15.0
3659851	PA16NA048****A	CAP**4821A**	PG9MXA048080	44,500	12.5	14.5
3659852	PA16NA048****A	CAP**4821A**	PG9MXA060100	44,500	12.5	14.5
3659848	PA16NA048****A	CAP**4821A**+TDR		45,000	12.0	14.0
3659854	PA16NA048****A	CAP**4824A**	PG8*EA048090	44,500	12.5	14.5
3659855	PA16NA048****A	CAP**4824A**	PG8*EA060110	44,500	13.0	15.2
3659856	PA16NA048****A	CAP**4824A**	PG8*EA060135	44,500	12.5	15.0
3659859	PA16NA048****A	CAP**4824A**	PG9MTAV60100*A**	44,500	12.0	14.5
3659860	PA16NA048****A	CAP**4824A**	PG9MTAV60125*A**	44,500	12.5	14.5
3659857	PA16NA048****A	CAP**4824A**	PG9MXA060100	44,500	13.0	15.0
3659858	PA16NA048****A	CAP**4824A**	PG9MXA060120	45,000	13.0	15.2
3659853	PA16NA048****A	CAP**4824A**+TDR		45,000	12.0	14.0
3659862	PA16NA048****A	CAP**6021A**	PG8*EA048090	45,500	13.0	15.2
3659863	PA16NA048****A	CAP**6021A**	PG8*EA060110	45,500	13.0	15.2
3659864	PA16NA048****A	CAP**6021A**	PG9MXA048080	45,500	12.5	14.5
3659865	PA16NA048****A	CAP**6021A**	PG9MXA060100	45,500	13.0	15.5
3659861	PA16NA048****A	CAP**6021A**+TDR		45,500	12.5	14.0
3659867	PA16NA048****A	CAP**6024A**	PG8*EA048090	45,500	13.0	15.2
3659868	PA16NA048****A	CAP**6024A**	PG8*EA060110	45,500	13.0	15.5
3659869	PA16NA048****A	CAP**6024A**	PG8*EA060135	45,500	13.0	15.0
3659872	PA16NA048****A	CAP**6024A**	PG9MTAV60100*A**	45,500	12.5	14.5
3659873	PA16NA048****A	CAP**6024A**	PG9MTAV60125*A**	45,500	13.0	15.0
3659870	PA16NA048****A	CAP**6024A**	PG9MXA060100	45,500	13.0	15.5
3659871	PA16NA048****A	CAP**6024A**	PG9MXA060120	45,500	13.0	15.5
3659866	PA16NA048****A	CAP**6024A**+TDR		45,500	12.5	14.0
3659922	PA16NA048****A	CNPF*4818A**+TDR		44,000	12.0	13.5
3659896	PA16NA048****A	CNPH*4821A**	PG8*EA048090	44,500	12.5	14.5
3659897	PA16NA048****A	CNPH*4821A**	PG8*EA060110	44,500	13.0	15.2
3659898	PA16NA048****A	CNPH*4821A**	PG8*EA060135	44,500	13.0	15.2
3659902	PA16NA048****A	CNPH*4821A**	PG9MTAV60100*A**	45,000	12.0	14.5
3659903	PA16NA048****A	CNPH*4821A**	PG9MTAV60125*A**	45,000	12.5	14.5
3659899	PA16NA048****A	CNPH*4821A**	PG9MXA048080	44,500	12.5	14.5
3659900	PA16NA048****A	CNPH*4821A**	PG9MXA060100	45,000	13.0	15.2
3659901	PA16NA048****A	CNPH*4821A**	PG9MXA060120	45,000	13.0	15.2
3659895	PA16NA048****A	CNPH*4821A**+TDR		45,000	12.0	14.0
3659905	PA16NA048****A	CNPH*6024A**	PG8*EA048090	45,500	13.0	15.2
3659906	PA16NA048****A	CNPH*6024A**	PG8*EA060110	45,500	13.0	15.5
3659907	PA16NA048****A	CNPH*6024A**	PG8*EA060135	45,500	13.0	15.5
3659911	PA16NA048****A	CNPH*6024A**	PG9MTAV60100*A**	45,500	12.5	14.5
3659912	PA16NA048****A	CNPH*6024A**	PG9MTAV60125*A**	45,500	12.5	15.0
3659908	PA16NA048****A	CNPH*6024A**	PG9MXA048080	45,500	12.5	14.5
3659909	PA16NA048****A	CNPH*6024A**	PG9MXA060100	45,500	13.0	15.5
3659910	PA16NA048****A	CNPH*6024A**	PG9MXA060120	45,500	13.0	15.5
3659904	PA16NA048****A	CNPH*6024A**+TDR		45,500	12.5	14.0
3659914	PA16NA048****A	CNPH*6124A**	PG8*EA048090	45,500	13.0	15.0
3659915	PA16NA048****A	CNPH*6124A**	PG8*EA060110	45,500	13.0	15.5
3659916	PA16NA048****A	CNPH*6124A**	PG8*EA060135	45,500	13.0	15.0
3659920	PA16NA048****A	CNPH*6124A**	PG9MTAV60100*A**	45,500	12.5	14.5
3659921	PA16NA048****A	CNPH*6124A**	PG9MTAV60125*A**	45,500	13.0	15.0
3659917	PA16NA048****A	CNPH*6124A**	PG9MXA048080	45,500	13.0	15.0
3659918	PA16NA048****A	CNPH*6124A**	PG9MXA060100	45,500	13.0	15.5
3659919	PA16NA048****A	CNPH*6124A**	PG9MXA060120	46,000	13.0	15.5
3659913	PA16NA048****A	CNPH*6124A**+TDR		46,000	12.5	14.5
3659875	PA16NA048****A	CNPV*4821A**	PG8*EA048090	44,500	12.5	14.5
3659876	PA16NA048****A	CNPV*4821A**	PG8*EA060110	44,500	13.0	15.0
3659877	PA16NA048****A	CNPV*4821A**	PG9MXA048080	44,500	12.5	14.5
3659878	PA16NA048****A	CNPV*4821A**	PG9MXA060100	45,000	13.0	15.2
3659874	PA16NA048****A	CNPV*4821A**+TDR		45,000	12.0	14.0
3659880	PA16NA048****A	CNPV*4824A**	PG8*EA048090	44,500	12.5	14.5
3659881	PA16NA048****A	CNPV*4824A**	PG8*EA060110	44,500	13.0	15.2
3659882	PA16NA048****A	CNPV*4824A**	PG8*EA060135	44,500	13.0	15.2
3659885	PA16NA048****A	CNPV*4824A**	PG9MTAV60100*A**	45,000	12.0	14.5
3659886	PA16NA048****A	CNPV*4824A**	PG9MTAV60125*A**	45,000	12.6	14.5
3659883	PA16NA048****A	CNPV*4824A**	PG9MXA060100	45,000	13.0	15.2
3659884	PA16NA048****A	CNPV*4824A**	PG9MXA060120	45,000	13.0	15.2
3659879	PA16NA048****A	CNPV*4824A**+TDR		45,000	12.0	14.0
3659888	PA16NA048****A	CNPV*6024A**	PG8*EA048090	45,500	13.0	15.2
3659889	PA16NA048****A	CNPV*6024A**	PG8*EA060110	45,500	13.0	15.5
3659890	PA16NA048****A	CNPV*6024A**	PG8*EA060135	45,500	13.0	15.5
3659893	PA16NA048****A	CNPV*6024A**	PG9MTAV60100*A**	45,500	12.5	14.5
3659894	PA16NA048****A	CNPV*6024A**	PG9MTAV60125*A**	45,500	13.0	15.0
3659891	PA16NA048****A	CNPV*6024A**	PG9MXA060100	45,500	13.0	15.5

See notes on page 21

# COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3659892	PA16NA048****A	CNPV*6024A**	PG9MXA060120	45,500	13.0	15.5
3659887	PA16NA048****A	CNPV*6024A**+TDR		45,500	12.5	14.0
3659839	PA16NA048****A	CNPV*6124A**	PG8*EA048090	46,000	13.0	15.5
3659840	PA16NA048****A	CNPV*6124A**	PG8*EA060110	46,000	13.0	16.0
3659841	PA16NA048****A	CNPV*6124A**	PG8*EA060135	46,000	13.0	16.0
3659844	PA16NA048****A	CNPV*6124A**	PG9MTAV60100*A**	46,000	13.0	15.0
3659845	PA16NA048****A	CNPV*6124A**	PG9MTAV60125*A**	46,000	13.0	15.0
3659842	PA16NA048****A	CNPV*6124A**	PG9MXA060100	46,000	13.0	16.0
3659843	PA16NA048****A	CNPV*6124A**	PG9MXA060120	46,500	13.0	16.0
3659924	PA16NA048****A	CSPH*4812A**	PG8*EA048090	45,000	13.0	15.0
3659925	PA16NA048****A	CSPH*4812A**	PG8*EA060110	45,000	13.0	15.0
3659926	PA16NA048****A	CSPH*4812A**	PG8*EA060135	45,000	13.0	15.0
3659930	PA16NA048****A	CSPH*4812A**	PG9MTAV60100*A**	45,000	12.5	14.5
3659931	PA16NA048****A	CSPH*4812A**	PG9MTAV60125*A**	45,000	12.5	14.5
3659927	PA16NA048****A	CSPH*4812A**	PG9MXA048080	45,000	12.5	14.5
3659928	PA16NA048****A	CSPH*4812A**	PG9MXA060100	45,000	13.0	15.0
3659929	PA16NA048****A	CSPH*4812A**	PG9MXA060120	45,000	13.0	15.0
3659923	PA16NA048****A	CSPH*4812A**+TDR		45,500	12.0	14.0
3659933	PA16NA048****A	CSPH*6012A**	PG8*EA048090	45,500	13.0	15.0
3659934	PA16NA048****A	CSPH*6012A**	PG8*EA060110	46,000	13.0	16.0
3659935	PA16NA048****A	CSPH*6012A**	PG8*EA060135	46,000	13.0	15.5
3659939	PA16NA048****A	CSPH*6012A**	PG9MTAV60100*A**	46,000	13.0	15.0
3659940	PA16NA048****A	CSPH*6012A**	PG9MTAV60125*A**	46,000	13.0	15.0
3659936	PA16NA048****A	CSPH*6012A**	PG9MXA048080	45,500	13.0	15.0
3659937	PA16NA048****A	CSPH*6012A**	PG9MXA060100	46,000	13.0	15.5
3659938	PA16NA048****A	CSPH*6012A**	PG9MXA060120	46,000	13.0	16.0
3659932	PA16NA048****A	CSPH*6012A**+TDR		46,000	12.5	14.5
3659943	PA16NA048****A	PF4MNA048		45,500	12.0	14.0
3659945	PA16NA048****A	PF4MNA049		46,000	13.0	15.0
3659944	PA16NA048****A	PF4MNA060		46,000	12.0	14.0
3659946	PA16NA048****A	PF4MNA061		46,500	13.0	15.5
3659941	PA16NA048****A	PF4MNB049		46,000	13.0	15.5
3659942	PA16NA048****A	PF4MNB061		46,500	13.0	16.0
3659947	PA16NA060****A	†CNPV*6124A**+TDR		56,000	12.5	15.0
3659953	PA16NA060****A	CAP**6021A**	PG8*EA060110	54,000	13.0	16.0
3659954	PA16NA060****A	CAP**6021A**	PG9MXA060100	54,000	12.5	15.5
3659952	PA16NA060****A	CAP**6021A**+TDR		54,000	12.5	15.0
3659956	PA16NA060****A	CAP**6024A**	PG8*EA060110	54,000	13.0	16.0
3659957	PA16NA060****A	CAP**6024A**	PG8*EA060135	54,000	12.5	15.5
3659958	PA16NA060****A	CAP**6024A**	PG9MXA060100	54,000	13.0	16.0
3659959	PA16NA060****A	CAP**6024A**	PG9MXA060120	54,000	13.0	16.0
3659955	PA16NA060****A	CAP**6024A**+TDR		55,000	12.5	15.0
3659966	PA16NA060****A	CNPH*6024A**	PG8*EA060110	54,000	12.5	15.5
3659967	PA16NA060****A	CNPH*6024A**	PG8*EA060135	54,000	12.5	15.5
3659968	PA16NA060****A	CNPH*6024A**	PG9MXA048080	54,000	12.5	15.2
3659969	PA16NA060****A	CNPH*6024A**	PG9MXA060100	54,000	12.5	15.5
3659970	PA16NA060****A	CNPH*6024A**	PG9MXA060120	54,500	13.0	16.0
3659965	PA16NA060****A	CNPH*6024A**+TDR		55,000	12.5	14.5
3659972	PA16NA060****A	CNPH*6124A**	PG8*EA060110	55,000	13.0	16.0
3659973	PA16NA060****A	CNPH*6124A**	PG8*EA060135	54,000	13.0	16.0
3659974	PA16NA060****A	CNPH*6124A**	PG9MXA060100	54,000	13.0	16.0
3659971	PA16NA060****A	CNPH*6124A**+TDR		55,000	12.5	15.0
3659961	PA16NA060****A	CNPV*6024A**	PG8*EA060110	54,000	13.0	15.5
3659962	PA16NA060****A	CNPV*6024A**	PG8*EA060135	54,000	12.5	15.5
3659963	PA16NA060****A	CNPV*6024A**	PG9MXA060100	54,000	12.5	15.5
3659964	PA16NA060****A	CNPV*6024A**	PG9MXA060120	54,000	13.0	16.0
3659960	PA16NA060****A	CNPV*6024A**+TDR		55,000	12.5	14.5
3659948	PA16NA060****A	CNPV*6124A**	PG8*EA060110	55,000	13.0	16.0
3659949	PA16NA060****A	CNPV*6124A**	PG8*EA060135	55,000	13.0	16.0
3659950	PA16NA060****A	CNPV*6124A**	PG9MXA060100	55,000	13.0	16.0
3659951	PA16NA060****A	CNPV*6124A**	PG9MXA060120	55,000	13.0	16.0
3659976	PA16NA060****A	CSPH*6012A**	PG8*EA060110	55,000	13.0	16.0
3659977	PA16NA060****A	CSPH*6012A**	PG8*EA060135	54,500	13.0	16.0
3659978	PA16NA060****A	CSPH*6012A**	PG9MXA048080	54,000	12.5	15.2
3659979	PA16NA060****A	CSPH*6012A**	PG9MXA060100	54,000	13.0	16.0
3659980	PA16NA060****A	CSPH*6012A**	PG9MXA060120	54,500	13.0	16.0
3659975	PA16NA060****A	CSPH*6012A**+TDR		55,000	12.5	14.5
3659982	PA16NA060****A	PF4MNA060		55,000	12.0	14.0
3659983	PA16NA060****A	PF4MNA061		55,000	13.0	16.0
3659981	PA16NA060****A	PF4MNB061		55,500	13.0	16.0

† Tested combination

EER — Energy Efficiency Ratio

SEER — Seasonal Energy Efficiency Ratio

TDR — Time-Delay Relay. 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.

TXV — Thermostatic Expansion Valve

UI — User Interface

### 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 affected.

PA16NA

**DETAILED COOLING CAPACITIES#**

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 MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**				
Total	Sens†			Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†								
<b>PA16NA018-B Outdoor Section With CNPV*1917A** Indoor Section</b>																									
	72 (22.2)	21.65	10.54	1.18	20.62	10.17	1.32	19.54	9.79	1.48	18.40	9.39	1.65	17.20	8.98	1.84	15.92	8.55	2.05						
	67 (19.4)	19.57	12.79	1.18	18.63	12.42	1.32	17.65	12.04	1.47	16.61	11.64	1.64	15.51	11.22	1.83	14.34	10.78	2.04						
<b>925</b>	63 (17.2)††	18.07	12.28	1.18	17.20	11.91	1.32	16.30	11.53	1.47	15.33	11.13	1.63	14.30	10.72	1.82	13.21	10.28	2.04						
	62 (16.7)	17.72	15.00	1.18	16.89	14.64	1.32	16.01	14.25	1.47	15.09	13.84	1.63	14.21	14.21	1.82	13.34	13.34	2.04						
	57 (13.9)	17.07	17.07	1.18	16.43	16.43	1.32	15.73	15.73	1.47	14.99	14.99	1.63	14.19	14.19	1.82	13.32	13.32	2.04						
	72 (22.2)	22.13	11.11	1.20	21.04	10.73	1.35	19.91	10.34	1.51	18.72	9.93	1.68	17.46	9.51	1.87	16.13	9.07	2.08						
	67 (19.4)	20.01	13.67	1.20	19.03	13.29	1.35	18.00	12.90	1.50	16.91	12.49	1.67	15.77	12.07	1.86	14.56	11.82	2.07						
<b>600</b>	63 (17.2)††	18.49	13.10	1.20	17.58	12.73	1.34	16.63	12.34	1.50	15.62	11.93	1.66	14.55	11.50	1.85	13.42	11.05	2.06						
	62 (16.7)	18.19	16.20	1.20	17.33	15.81	1.34	16.47	16.47	1.49	15.67	15.67	1.66	14.80	14.80	1.85	13.87	13.87	2.07						
	57 (13.9)	17.89	17.89	1.20	17.19	17.19	1.34	16.44	16.44	1.49	15.64	15.64	1.66	14.78	14.78	1.85	13.85	13.85	2.07						
	72 (22.2)	22.48	11.64	1.23	21.35	11.25	1.38	20.18	10.85	1.54	18.94	10.44	1.71	17.65	10.02	1.90	16.28	9.57	2.11						
	67 (19.4)	20.35	14.52	1.23	19.33	14.13	1.37	18.26	13.73	1.53	17.14	13.32	1.70	15.96	12.88	1.88	14.72	12.42	2.10						
<b>675</b>	63 (17.2)††	18.81	13.89	1.23	17.87	13.51	1.37	16.88	13.11	1.52	15.84	12.69	1.69	14.74	12.25	1.88	13.58	11.79	2.09						
	62 (16.7)	18.63	18.55	1.23	17.86	17.86	1.37	17.06	17.06	1.52	16.21	16.21	1.69	15.29	15.29	1.88	14.30	14.30	2.09						
	57 (13.9)	18.58	18.58	1.23	17.83	17.83	1.37	17.03	17.03	1.52	16.18	16.18	1.69	15.27	15.27	1.88	14.28	14.28	2.09						

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*2417A**	1.00	0.92	PG9MXA036060
CSPH*2412A**	1.00	0.92	PG9MXA036060

See notes on pg. 32

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CNPV*1917A**	1.00	1.00	
CAP**1814A**	1.00	1.04	
CAP**2414A**	1.00	1.04	
CAP**2417A**	1.00	1.04	
CNPF*2418A**	1.00	1.04	
CNPH*2417A**	1.00	1.00	
CNPH*2414A**	1.00	1.04	
CNPH*2414A**	1.00	1.04	
CNPH*2417A**	1.00	1.04	
CSPH*2412A**	1.00	1.00	
FF1ENP018	1.00	1.04	
FF1ENP019	1.00	0.96	
FF1ENP024	1.00	1.04	
FF1ENP025	1.00	0.92	
PF4MNA018	1.00	1.04	
PF4MNA019	1.00	0.92	
PF4MNA024	1.00	1.04	
PF4MNA025	1.00	0.92	
PF4MNB019	1.00	0.92	
PF4MNB025	1.00	0.92	
CAP**2414A**	1.00	0.92	PG8*EA024045
CAP**1814A**	1.00	0.92	PG8*EA024045
CAP**2417A**	1.00	0.92	PG8*EA024045
CNPH*2417A**	1.00	0.92	PG8*EA024045
CNPH*1814A**	1.00	0.92	PG8*EA024045
CNPH*1917A**	1.00	0.92	PG8*EA024045
CNPH*2417A**	1.00	0.92	PG8*EA024045
CSPH*2412A**	1.00	0.92	PG8*EA024045
CSPH*2412A**	1.00	0.92	PG9MTAV36050*A**
CNPH*2417A**	1.00	0.92	PG9MTAV36075*A**
CSPH*2412A**	1.00	0.92	PG9MTAV36075*A**
CAP**2417A**	1.00	0.92	PG9MXA036060
CNPH*2417A**	1.00	0.92	PG9MXA036060
CNPV*1917A**	1.00	0.92	PG9MXA036060

# 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 MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	
Total	Sens†			Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†					
<b>PAT16NA024 - A Outdoor Section With CNPV*3117A** Indoor Section</b>																									
<b>700</b>	72 (22.2)		28.21	13.70	1.55	26.92	13.25	1.74	25.54	12.78	1.94	24.09	12.29	2.16	22.56	11.77	2.41	20.94	11.24	2.68					
	67 (19.4)		25.63	16.78	1.55	24.44	16.32	1.73	23.19	15.85	1.93	21.87	15.36	2.15	20.47	14.84	2.39	18.98	14.29	2.67					
	63 (17.2)††		23.72	16.13	1.55	22.62	15.67	1.73	21.46	15.20	1.92	20.22	14.70	2.14	18.91	14.18	2.38	17.52	13.82	2.67					
	62 (16.7)		23.32	19.80	1.55	22.25	19.34	1.73	21.14	18.86	1.92	20.00	19.96	2.14	18.95	18.95	2.38	17.82	17.82	2.67					
	62 (13.9)		22.68	22.68	1.55	21.84	21.84	1.73	20.93	20.93	1.92	19.96	19.96	2.14	18.92	18.92	2.38	17.79	17.79	2.67					
	72 (22.2)		28.72	14.43	1.58	27.38	13.97	1.77	25.95	13.49	1.98	24.44	12.99	2.20	22.85	12.47	2.44	21.17	11.93	2.72					
	67 (19.4)		26.16	17.95	1.58	24.91	17.49	1.77	23.60	17.00	1.97	22.22	16.49	2.19	20.76	15.96	2.43	19.23	15.41	2.71					
	63 (17.2)††		24.23	17.22	1.58	23.08	16.75	1.77	21.86	16.27	1.96	20.58	15.76	2.18	19.21	15.22	2.42	17.78	14.66	2.70					
	57 (13.9)		23.70	23.70	1.58	22.79	22.79	1.76	21.82	20.78	1.96	20.78	20.78	2.18	19.66	19.66	2.43	18.46	18.46	2.71					
	72 (22.2)		29.09	15.12	1.62	27.72	14.67	1.81	26.23	14.18	2.02	24.68	13.67	2.24	23.05	13.15	2.48	21.32	12.60						
67 (19.4)		26.54	19.08	1.62	25.25	18.60	1.81	23.90	18.11	2.01	22.48	17.59	2.22	20.98	17.05	2.47	19.42	16.48	2.75						
63 (17.2)††		24.61	18.27	1.62	23.42	17.79	1.80	22.16	17.30	2.00	20.84	16.78	2.22	19.45	16.23	2.46	17.98	15.85	2.74						
62 (16.7)		24.60	24.60	1.62	23.62	23.62	1.80	22.58	22.58	2.00	21.48	21.48	2.22	20.29	20.29	2.47	19.02	19.02	2.75						
57 (13.9)		24.56	24.56	1.62	23.59	23.59	1.80	22.55	22.55	2.00	21.45	21.45	2.22	20.27	20.27	2.47	18.99	18.99	2.75						

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL		COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	
			POWER	FURNACE MODEL				POWER	FURNACE MODEL
*CNPV*3117A**	1.00	1.00			CNPV*2417A**	0.97	0.94	PG8*EA024045	PG9MTAV/60100*A**
CAP**2414A**	0.97	1.02			CNPV*2414A**	0.97	0.94	PG8*EA024045	PG9MTAV/60100*A**
CAP**2417A**	0.97	1.02			CAP**3014A**	0.98	0.94	PG8*EA024045	PG9MTAV/60100*A**
CAP**3014A**	0.98	1.03			CAP**3017A**	0.98	0.91	PG8*EA024045	PG9MTAV/60100*A**
CAP**3017A**	0.98	1.03			CAP**3614A**	0.98	0.91	PG8*EA024045	PG9MTAV/60100*A**
CAP**3614A**	0.98	1.03			CAP**3617A**	0.99	0.92	PG8*EA024045	PG9MTAV/60100*A**
CAP**3617A**	0.98	1.03			CNPV*2417A**	0.97	0.94	PG8*EA024045	PG9MTAV/60100*A**
CAP**3621A**	0.98	1.03			CNPV*3017A**	0.98	0.91	PG8*EA024045	PG9MTAV/60100*A**
CNPV*3014A**	0.97	1.02			CNPV*3117A**	1.01	0.93	PG8*EA024045	PG9MTAV/60125*A**
CNPV*3017A**	0.98	1.03			CNPV*3617A**	0.98	0.91	PG8*EA024045	PG9MTAV/60125*A**
CNPV*3617A**	0.98	1.03			CSPH*3012A**	1.00	0.92	PG8*EA024045	PG9MTAV/60125*A**
CNPV*3621A**	0.98	1.03			CSPH*3612A**	1.00	0.92	PG8*EA024045	PG9MTAV/60125*A**
CSPH*2412A**	0.98	1.03			CAP**3621A**	0.99	0.92	PG9MTAV/36050*A**	PG9MTAV/60125*A**
CSPH*2412A**	0.98	1.03			CNPV*2417A**	0.97	0.94	PG9MTAV/36050*A**	PG9MTAV/60125*A**
CSPH*2412A**	0.98	1.03			CNPV*3017A**	0.98	0.94	PG9MTAV/36050*A**	PG9MTAV/60125*A**
CSPH*3012A**	0.98	1.03			CNPV*3117A**	1.01	0.93	PG9MTAV/36050*A**	PG9MTAV/60125*A**
CSPH*3612A**	1.00	1.04			CNPV*3617A**	0.98	0.94	PG9MTAV/36050*A**	PG9MTAV/60125*A**
FF1ENP024	0.97	1.01			CSPH*3617A**	0.98	0.91	PG9MTAV/36050*A**	PG9MTAV/60125*A**
FF1ENP025	0.98	1.01			CSPH*2412A**	0.97	0.94	PG9MTAV/36050*A**	PG9MTAV/60125*A**
FF1ENP030	0.97	1.01			CSPH*3012A**	1.01	0.93	PG9MTAV/36050*A**	PG9MTAV/60125*A**
FF1ENP031	0.97	1.06			CSPH*3612A**	1.00	0.92	PG9MTAV/36050*A**	PG9MTAV/60125*A**
FF1ENP036	0.97	0.95			CAP**3621A**	0.99	0.94	PG9MTAV/36075*A**	PG9MTAV/60125*A**
FF1ENP037	0.99	1.01			CNPV*2417A**	0.97	0.94	PG9MTAV/36075*A**	PG9MTAV/60125*A**
PF4MNA024	0.97	1.01			CNPV*3017A**	0.98	0.94	PG9MTAV/36075*A**	PG9MTAV/60125*A**
PF4MNA025	0.98	0.94			CNPV*3117A**	1.02	0.94	PG9MTAV/36075*A**	PG9MTAV/60125*A**
PF4MNA030	0.97	0.97			CNPV*3617A**	0.99	0.95	PG9MTAV/36075*A**	PG9MTAV/60125*A**
PF4MNA031	0.99	0.92			CNPV*3621A**	0.99	0.95	PG9MTAV/36075*A**	PG9MTAV/60125*A**
PF4MNA036	0.97	1.06			CSPH*2412A**	0.98	0.94	PG9MTAV/36075*A**	PG9MTAV/60125*A**
PF4MNB025	0.99	0.92			CSPH*3012A**	0.99	0.95	PG9MTAV/36075*A**	PG9MTAV/60125*A**
PF4MNB031	1.00	0.96			CSPH*3612A**	1.01	0.93	PG9MTAV/36075*A**	PG9MTAV/60125*A**

PA16NA

**DETAILED COOLING CAPACITIES# (CONT.)**

PA16NA024--A Outdoor Section With CNPV\*3117A\*\* Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*3617A**	0.99	0.92	PG9MxA036080
CNPV*2417A**	0.97	0.90	PG9MxA036080
CNPV*3017A**	0.99	0.92	PG9MxA036080
CNPV*3117A**	1.02	0.94	PG9MxA036080
CNPV*3617A**	0.99	0.92	PG9MxA036080
CNPV*3621A**	0.99	0.92	PG9MxA036080
CSPH*2412A**	0.98	0.91	PG9MxA036080
CSPH*3012A**	0.99	0.92	PG9MxA036080
CSPH*3612A**	1.01	0.93	PG9MxA036080

See notes on pg. 32



**DETAILED COOLING CAPACITIES# (CONT.)**

PA16NA030-A Outdoor Section With CNPV\*3117A\*\* Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*3617A**	0.99	0.91	PG9MxA036060
CNPV*3621A**	0.99	0.91	PG9MxA036060
CNPV*4217A**	1.00	0.92	PG9MxA036060
CNPV*4221A**	0.99	0.92	PG9MxA036060
CSPH*3012A**	0.99	0.91	PG9MxA036060
CSPH*3612A**	1.01	0.93	PG9MxA036060
CSPH*4212A**	1.01	0.94	PG9MxA036060
CAP**3017A**	0.98	0.90	PG9MxA036080
CAP**3617A**	0.99	0.91	PG9MxA036080
CAP**3621A**	0.99	0.91	PG9MxA036080
CAP**4221A**	0.99	0.92	PG9MxA036080
CNPH*3017A**	0.98	0.90	PG9MxA036080
CNPH*3117A**	1.01	0.93	PG9MxA036080
CNPH*3617A**	0.98	0.90	PG9MxA036080
CNPH*4221A**	0.99	0.92	PG9MxA036080
CNPV*3017A**	0.98	0.90	PG9MxA036080
CNPV*3117A**	1.01	0.93	PG9MxA036080
CNPV*3617A**	0.98	0.90	PG9MxA036080
CNPV*3621A**	0.98	0.90	PG9MxA036080
CNPV*4217A**	1.00	0.92	PG9MxA036080
CNPV*4221A**	0.99	0.92	PG9MxA036080
CSPH*3012A**	0.99	0.91	PG9MxA036080
CSPH*3612A**	1.00	0.92	PG9MxA036080
CSPH*4212A**	1.01	0.93	PG9MxA036080
CAP**3017A**	0.99	0.91	PG9MxA048080
CAP**3621A**	0.99	0.92	PG9MxA048080
CAP**4221A**	1.00	0.92	PG9MxA048080
CNPH*3017A**	0.99	0.91	PG9MxA048080
CNPH*3117A**	1.01	0.94	PG9MxA048080
CNPH*3617A**	0.99	0.91	PG9MxA048080
CNPH*4221A**	1.00	0.92	PG9MxA048080
CNPV*3017A**	0.99	0.91	PG9MxA048080
CNPV*3117A**	1.01	0.94	PG9MxA048080
CNPV*3617A**	0.99	0.91	PG9MxA048080
CNPV*3621A**	0.99	0.91	PG9MxA048080
CNPV*4217A**	1.01	0.93	PG9MxA048080
CNPV*4221A**	1.00	0.92	PG9MxA048080
CSPH*3012A**	0.99	0.91	PG9MxA048080
CSPH*3612A**	1.01	0.93	PG9MxA048080
CSPH*4212A**	1.01	0.93	PG9MxA048080

See notes on pg. 32

# 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 MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**				
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†					
		72 (22.2)	41.06	20.24	2.39	39.22	19.60	2.65	37.27	18.94	2.95	35.20	18.24	3.28	33.01	17.50	3.66	30.85	16.73	4.11
1050	67 (19.4)	37.33	24.93	24.28	2.37	35.65	23.61	2.63	33.87	23.61	2.93	31.96	22.90	3.26	29.95	22.15	3.65	27.79	21.38	4.09
	63 (17.2)††	34.63	23.97	23.32	2.36	33.08	23.32	2.62	31.40	22.64	2.92	29.62	21.92	3.25	27.73	21.17	3.64	25.71	20.37	4.09
	62 (16.7)	34.09	29.55	28.89	2.36	32.58	28.89	2.62	31.00	28.17	2.91	29.47	29.47	3.25	27.95	27.95	3.64	26.29	26.29	4.09
1200	72 (22.2)	33.38	33.38	32.16	2.35	32.16	32.16	2.62	30.85	30.85	2.91	29.43	29.43	3.25	27.91	27.91	3.64	26.25	26.25	4.09
	67 (19.4)	41.77	21.32	20.66	2.45	39.84	20.66	2.72	37.82	19.99	3.01	35.67	19.28	3.35	33.39	18.53	3.73	30.96	17.75	4.17
	63 (17.2)††	35.31	25.57	24.91	2.42	33.66	24.91	2.69	31.93	24.22	2.98	30.09	23.48	3.31	28.13	22.71	3.70	26.05	21.89	4.15
1350	72 (22.2)	34.80	34.80	33.47	2.42	33.47	33.47	2.68	32.07	32.07	2.98	30.55	30.55	3.32	28.93	28.93	3.70	27.21	27.21	4.15
	67 (19.4)	42.28	22.34	21.68	2.52	40.29	21.68	2.78	38.19	20.99	3.08	35.98	20.27	3.41	33.85	19.52	3.79	31.16	18.72	4.23
	63 (17.2)††	35.80	27.10	26.43	2.48	34.11	26.43	2.75	32.32	25.72	3.04	30.43	24.97	3.38	28.44	24.18	3.76	26.32	23.32	4.21
57 (13.9)	36.01	36.01	34.61	2.48	34.61	34.61	2.75	33.12	33.12	3.05	31.51	31.51	3.38	29.80	29.80	3.77	27.94	27.94	4.21	
		35.96	35.96	34.56	2.48	34.56	34.56	2.75	33.08	33.08	3.04	31.47	31.47	3.38	29.76	29.76	3.77	27.91	27.91	4.21

## PAT16NA036-A Outdoor Section With CNPV\*3717A\*\* Indoor Section

COOLING INDOOR MODEL	FURNACE MODEL	POWER	CAPACITY	COOLING INDOOR MODEL		POWER	CAPACITY	FURNACE MODEL	POWER	CAPACITY	COOLING INDOOR MODEL		POWER	CAPACITY	FURNACE MODEL
				Total	Sens†						Total	Sens†			
CNPV*3717A**	PG8*EA024045	1.00	0.95	0.95	0.95	0.95	0.95	PG8*EA024045	0.95	0.95	CNPV*4221A**	0.98	0.98	PG8*EA060110	
CAP**3614A**	PG8*EA024045	0.99	0.97	0.97	0.97	0.97	0.97	PG8*EA024045	0.97	0.97	CNPV*4824A**	0.90	0.90	PG8*EA060110	
CAP**3617A**	PG8*EA024045	1.00	0.98	0.98	0.98	0.98	0.98	PG8*EA024045	0.98	0.98	CNPV*4824A**	0.91	0.91	PG8*EA060110	
CAP**4221A**	PG8*EA024045	0.97	0.99	0.99	0.99	0.99	0.99	PG8*EA024045	0.99	0.99	CNPV*4824A**	0.92	0.92	PG8*EA060110	
CAP**4224A**	PG8*EA024045	1.01	0.97	0.97	1.01	0.97	0.97	PG8*EA024045	0.97	0.97	CNPV*4824A**	0.93	0.93	PG8*EA060110	
CAP**4817A**	PG8*EA024045	1.03	0.99	0.98	1.03	0.99	0.99	PG8*EA024045	0.99	0.99	CNPV*4824A**	0.90	0.90	PG8*EA060110	
CAP**4824A**	PG8*EA024045	1.03	0.98	0.98	1.03	0.98	0.98	PG8*EA024045	0.98	0.98	CNPV*4824A**	0.91	0.91	PG8*EA060110	
CNPV*3618A**	PG8*EA024045	1.05	0.96	0.96	1.05	0.96	0.96	PG8*EA024045	0.96	0.96	CNPV*4824A**	0.92	0.92	PG8*EA060110	
CNPV*3617A**	PG8*EA024045	1.03	0.98	0.98	1.03	0.98	0.98	PG8*EA024045	0.98	0.98	CNPV*4824A**	0.92	0.92	PG8*EA060110	
CNPV*4217A**	PG8*EA024045	1.00	0.96	0.96	1.00	0.96	0.96	PG8*EA024045	0.96	0.96	CNPV*4824A**	0.90	0.90	PG8*EA060110	
CNPV*4217A**	PG8*EA024045	1.00	0.97	0.97	1.00	0.97	0.97	PG8*EA024045	0.97	0.97	CNPV*4824A**	0.92	0.92	PG8*EA060110	
CNPV*4821A**	PG8*EA024045	1.03	0.99	0.99	1.03	0.99	0.99	PG8*EA024045	0.99	0.99	CNPV*4824A**	0.90	0.90	PG8*EA060110	
CNPV*4824A**	PG8*EA024045	1.03	0.99	0.99	1.03	0.99	0.99	PG8*EA024045	0.99	0.99	CNPV*4824A**	0.92	0.92	PG8*EA060110	
CSPH*3612A**	PG8*EA024045	1.03	0.98	0.98	1.03	0.98	0.98	PG8*EA024045	0.98	0.98	CNPV*4824A**	0.90	0.90	PG8*EA060110	
CSPH*4212A**	PG8*EA024045	1.03	0.99	0.99	1.03	0.99	0.99	PG8*EA024045	0.99	0.99	CNPV*4824A**	0.92	0.92	PG8*EA060110	
CSPH*4812A**	PG8*EA024045	1.04	0.96	0.96	1.04	0.96	0.96	PG8*EA024045	0.96	0.96	CNPV*4824A**	0.90	0.90	PG8*EA060110	
FF1ENP036	PG8*EA024045	1.05	0.99	0.99	1.05	0.99	0.99	PG8*EA024045	0.99	0.99	CNPV*4824A**	0.92	0.92	PG8*EA060110	
FF1ENP037	PG8*EA024045	1.01	0.97	0.97	1.01	0.97	0.97	PG8*EA024045	0.97	0.97	CNPV*4824A**	0.90	0.90	PG8*EA060110	
PF4MNA036	PG8*EA024045	1.05	0.96	0.96	1.05	0.96	0.96	PG8*EA024045	0.96	0.96	CNPV*4824A**	0.92	0.92	PG8*EA060110	
PF4MNA037	PG8*EA024045	1.05	0.98	0.98	1.05	0.98	0.98	PG8*EA024045	0.98	0.98	CNPV*4824A**	0.90	0.90	PG8*EA060110	
PF4MNA042	PG8*EA024045	1.02	0.98	0.98	1.02	0.98	0.98	PG8*EA024045	0.98	0.98	CNPV*4824A**	0.92	0.92	PG8*EA060110	
PF4MNA043	PG8*EA024045	0.99	0.99	0.99	0.99	0.99	0.99	PG8*EA024045	0.99	0.99	CNPV*4824A**	0.90	0.90	PG8*EA060110	
PF4MNA048	PG8*EA024045	1.04	0.99	0.99	1.04	0.99	0.99	PG8*EA024045	0.99	0.99	CNPV*4824A**	0.92	0.92	PG8*EA060110	
PF4MNA049	PG8*EA024045	1.00	1.00	1.00	1.00	1.00	1.00	PG8*EA024045	1.00	1.00	CNPV*4824A**	0.90	0.90	PG8*EA060110	
PF4MNB037	PG8*EA024045	0.99	0.99	0.99	0.99	0.99	0.99	PG8*EA024045	0.99	0.99	CNPV*4824A**	0.92	0.92	PG8*EA060110	
PF4MNB043	PG8*EA024045	0.99	0.99	0.99	0.99	0.99	0.99	PG8*EA024045	0.99	0.99	CNPV*4824A**	0.90	0.90	PG8*EA060110	
PF4MNB049	PG8*EA024045	1.01	0.93	0.93	1.01	0.93	0.93	PG8*EA024045	0.93	0.93	CNPV*4824A**	0.92	0.92	PG8*EA060110	
CAP**3614A**	PG8*EA024045	0.95	0.95	0.95	0.95	0.95	0.95	PG8*EA024045	0.95	0.95	CNPV*4824A**	0.90	0.90	PG8*EA060110	
CAP**3617A**	PG8*EA024045	0.95	0.96	0.96	0.95	0.96	0.96	PG8*EA024045	0.96	0.96	CNPV*4824A**	0.92	0.92	PG8*EA060110	
CAP**4817A**	PG8*EA024045	0.98	0.98	0.98	0.98	0.98	0.98	PG8*EA024045	0.98	0.98	CNPV*4824A**	0.90	0.90	PG8*EA060110	





# 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 MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	
Total	Sens†			Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		
<b>PAT16NA042 - A Outdoor Section With CNPV*4324A** Indoor Section</b>																			
1225	72 (22.2)	49.58	24.05	2.77	23.28	3.07	44.88	22.46	3.42	42.30	21.59	3.80	39.58	20.70	4.23	36.71	19.77	4.70	
	67 (19.4)	45.17	29.84	2.75	28.86	3.05	40.90	28.04	3.38	38.55	27.18	3.76	36.07	26.27	4.19	33.47	25.33	4.64	
	63 (17.2)††	41.97	38.52	2.74	40.06	3.03	36.02	26.93	3.36	35.83	25.06	3.74	33.78	25.16	4.17	31.10	24.21	4.64	
	62 (16.7)	41.32	35.16	2.74	39.49	3.03	37.56	33.49	3.36	35.65	35.65	3.74	33.78	33.78	4.17	31.76	31.76	4.64	
	57 (13.9)	40.45	40.45	2.73	38.96	3.03	37.34	37.34	3.36	35.60	35.60	3.74	33.73	33.73	4.17	31.72	31.72	4.64	
	72 (22.2)	50.40	25.29	2.85	48.02	24.50	3.15	45.48	23.66	3.49	42.82	22.79	3.87	39.99	21.88	4.30	37.02	20.94	4.77
	67 (19.4)	45.95	31.63	2.82	43.80	30.84	3.12	41.50	30.00	3.46	39.07	29.12	3.84	36.51	28.20	4.26	33.83	27.23	4.74
1400	63 (17.2)††	42.74	30.38	2.81	29.59	3.10	36.61	26.75	3.44	36.36	27.87	3.82	33.97	26.94	4.24	31.47	25.96	4.71	
	62 (16.7)	42.31	37.80	2.81	40.55	3.10	38.82	36.82	3.44	36.94	36.94	3.82	34.93	34.93	4.25	32.78	32.78	4.72	
	57 (13.9)	42.10	42.10	2.81	40.50	3.10	36.76	36.76	3.44	36.89	36.89	3.82	34.89	34.89	4.25	32.74	32.74	4.72	
	72 (22.2)	50.98	26.46	2.92	48.52	25.66	3.22	45.91	24.82	3.56	43.16	23.93	3.95	40.25	23.01	4.37	37.22	22.06	4.85
	67 (19.4)	46.53	33.54	2.90	44.31	32.73	3.19	41.95	31.88	3.53	39.45	30.98	3.91	36.83	30.02	4.34	34.11	29.02	4.81
1575	63 (17.2)††	43.31	32.15	2.88	41.25	3.17	39.06	30.49	3.51	36.74	29.58	3.89	34.30	28.62	4.31	31.77	27.80	4.78	
	62 (16.7)	43.52	43.52	2.88	41.82	3.18	39.96	39.96	3.52	37.98	37.98	3.90	35.86	35.86	4.33	33.58	33.58	4.80	
57 (13.9)	43.46	43.46	2.88	41.76	41.76	3.18	39.91	39.91	3.52	37.93	37.93	3.90	35.81	35.81	4.33	33.55	33.55	4.80	

COOLING INDOOR MODEL		CAPACITY		POWER	FURNACE MODEL	
		Total	Sens†		Total	Sens†
*CNPV*4324A**	1.00	0.96	0.96	0.96	PG8*EA048070	PG8*EA060110
CAP**4221A**	0.96	0.95	0.95	0.95	PG8*EA048070	PG8*EA060110
CAP**4224A**	0.96	0.98	0.98	0.98	PG8*EA048070	PG8*EA060110
CAP**4817A**	0.99	0.98	0.98	0.98	PG8*EA048070	PG8*EA060110
CAP**4821A**	0.98	0.98	0.94	0.94	PG8*EA048070	PG8*EA060110
CAP**4824A**	0.98	0.96	0.96	0.96	PG8*EA048070	PG8*EA060135
CAP**6021A**	1.00	0.96	0.89	0.89	PG8*EA048090	PG8*EA060135
CAP**6024A**	1.00	0.96	0.89	0.89	PG8*EA048090	PG8*EA060135
CNP**4818A**	0.98	0.98	0.90	0.90	PG8*EA048090	PG8*EA060135
CNP**4221A**	0.96	0.98	0.90	0.90	PG8*EA048090	PG8*EA060135
CNP**4817A**	1.00	0.99	0.91	0.91	PG8*EA048090	PG8*EA060135
CNP**4821A**	0.99	0.99	0.91	0.91	PG8*EA048090	PG8*EA060135
CNP**4824A**	1.00	0.96	0.93	0.93	PG8*EA048090	PG8*EA060135
CNP**6021A**	0.98	0.99	0.91	0.91	PG8*EA048090	PG8*EA060135
CNP**6024A**	1.00	0.96	0.93	0.93	PG8*EA048090	PG8*EA060135
CNPV*4217A**	0.96	0.98	0.90	0.90	PG8*EA048090	PG8*EA060135
CNPV*4821A**	0.99	0.99	0.92	0.92	PG8*EA048090	PG8*EA060135
CNPV*4824A**	0.99	0.99	0.93	0.93	PG8*EA048090	PG8*EA060135
CNPV*6024A**	1.00	0.99	0.92	0.92	PG8*EA048090	PG8*EA060135
CSPH*4212A**	0.99	0.99	0.92	0.92	PG8*EA048090	PG8*EA060135
CSPH*4812A**	0.99	0.99	0.92	0.92	PG8*EA048090	PG8*EA060135
CSPH*4824A**	0.99	0.99	0.92	0.92	PG8*EA048090	PG8*EA060135
PF4MNA042	0.98	1.02	0.90	0.90	PG8*EA048090	PG9MTAV/36075*A**
PF4MNA043	0.99	0.95	0.91	0.91	PG8*EA048090	PG9MTAV/36075*A**
PF4MNA048	0.99	0.99	0.92	0.92	PG8*EA048090	PG9MTAV/36075*A**
PF4MNA049	1.00	0.92	0.89	0.89	PG8*EA048090	PG9MTAV/36075*A**
PF4MNA060	1.00	1.00	0.90	0.90	PG8*EA060110	PG9MTAV/36075*A**
PF4MNA061	1.00	1.00	0.90	0.90	PG8*EA060110	PG9MTAV/36075*A**
PF4MNB043	0.99	0.95	0.92	0.92	PG8*EA060110	PG9MTAV/60100*A**
PF4MNB049	1.01	0.99	0.92	0.92	PG8*EA060110	PG9MTAV/60100*A**
CAP**4221A**	0.95	0.95	0.92	0.92	PG8*EA060110	PG9MTAV/60100*A**
CAP**4817A**	0.98	0.98	0.89	0.89	PG8*EA060110	PG9MTAV/60100*A**
CAP**4821A**	0.98	0.98	0.92	0.92	PG8*EA060110	PG9MTAV/60100*A**
CAP**6021A**	0.99	0.99	0.91	0.91	PG8*EA060110	PG9MTAV/60100*A**
CNP**4221A**	0.95	0.95	0.89	0.89	PG8*EA060110	PG9MTAV/60100*A**
CNP**4821A**	0.98	0.98	0.92	0.92	PG8*EA060110	PG9MTAV/60100*A**
CNP**4824A**	0.99	0.99	0.92	0.92	PG8*EA060110	PG9MTAV/60100*A**
CNP**6024A**	0.99	0.99	0.92	0.92	PG8*EA060110	PG9MTAV/60100*A**

**PA16NA**



# 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 MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	
Total	Sens†			Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†					
1400	72 (22.2)	56.17	28.42	2.67	53.35	27.42	3.12	50.45	26.41	3.57	47.46	25.38	4.03	44.32	24.31	4.51	41.00	23.20	5.02
	67 (19.4)	50.88	34.98	2.84	48.38	34.00	3.25	45.79	33.01	3.66	43.11	31.99	4.09	40.30	30.83	4.55	37.32	29.81	5.04
	63 (17.2)††	47.10	33.57	2.95	44.81	32.61	3.33	42.44	31.63	3.72	39.99	30.62	4.13	37.39	29.57	4.57	34.85	28.46	5.05
	62 (16.7)	46.38	41.47	2.96	44.21	40.48	3.34	42.02	41.83	3.72	40.01	40.01	4.12	37.89	37.89	4.56	35.59	35.59	5.05
	57 (13.9)	45.57	45.57	2.98	43.79	43.79	3.35	41.92	41.92	3.72	39.95	39.95	4.13	37.83	37.83	4.56	35.54	35.54	5.05
	72 (22.2)	57.16	29.95	2.70	54.20	28.93	3.16	51.18	27.90	3.62	48.04	26.84	4.09	44.79	25.76	4.58	41.35	24.63	5.10
	67 (19.4)	51.83	37.42	2.88	49.20	36.42	3.30	46.50	35.40	3.72	43.71	34.35	4.16	40.79	33.26	4.62	37.73	32.11	5.12
	63 (17.2)††	48.01	35.84	2.99	45.60	34.86	3.39	43.14	33.85	3.78	40.57	32.81	4.20	37.89	31.73	4.64	35.07	30.58	5.13
	57 (13.9)	47.51	47.51	3.00	45.58	45.58	3.38	43.62	43.62	3.77	41.49	41.49	4.18	39.20	39.20	4.63	36.74	36.74	5.12
	72 (22.2)	57.88	31.40	2.74	54.82	30.37	3.21	51.68	29.32	3.68	48.44	28.24	4.15	45.10	27.15	4.64	41.56	26.00	5.17
67 (19.4)	52.53	39.77	2.92	49.82	38.75	3.35	47.03	37.70	3.78	44.15	36.62	4.22	41.17	35.49	4.69	38.05	34.27	5.19	
63 (17.2)††	48.69	38.02	3.04	46.20	37.01	3.44	43.65	35.97	3.85	41.02	34.90	4.27	38.28	33.77	4.71	35.42	32.54	5.20	
57 (13.9)	49.20	49.20	3.02	47.12	47.12	3.42	44.96	44.96	3.82	42.68	42.68	4.24	40.26	40.26	4.70	37.85	37.85	5.19	
		49.13	49.13	3.03	47.06	47.06	3.42	44.90	44.90	3.82	42.63	42.63	4.24	40.21	40.21	4.70	37.81	37.81	5.19

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 MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	
Total	Sens†			Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†					
1400	72 (22.2)	56.17	28.42	2.67	53.35	27.42	3.12	50.45	26.41	3.57	47.46	25.38	4.03	44.32	24.31	4.51	41.00	23.20	5.02
	67 (19.4)	50.88	34.98	2.84	48.38	34.00	3.25	45.79	33.01	3.66	43.11	31.99	4.09	40.30	30.83	4.55	37.32	29.81	5.04
	63 (17.2)††	47.10	33.57	2.95	44.81	32.61	3.33	42.44	31.63	3.72	39.99	30.62	4.13	37.39	29.57	4.57	34.85	28.46	5.05
	62 (16.7)	46.38	41.47	2.96	44.21	40.48	3.34	42.02	41.83	3.72	40.01	40.01	4.12	37.89	37.89	4.56	35.59	35.59	5.05
	57 (13.9)	45.57	45.57	2.98	43.79	43.79	3.35	41.92	41.92	3.72	39.95	39.95	4.13	37.83	37.83	4.56	35.54	35.54	5.05
	72 (22.2)	57.16	29.95	2.70	54.20	28.93	3.16	51.18	27.90	3.62	48.04	26.84	4.09	44.79	25.76	4.58	41.35	24.63	5.10
	67 (19.4)	51.83	37.42	2.88	49.20	36.42	3.30	46.50	35.40	3.72	43.71	34.35	4.16	40.79	33.26	4.62	37.73	32.11	5.12
	63 (17.2)††	48.01	35.84	2.99	45.60	34.86	3.39	43.14	33.85	3.78	40.57	32.81	4.20	37.89	31.73	4.64	35.07	30.58	5.13
	57 (13.9)	47.51	47.51	3.00	45.58	45.58	3.38	43.62	43.62	3.77	41.49	41.49	4.18	39.20	39.20	4.63	36.74	36.74	5.12
	72 (22.2)	57.88	31.40	2.74	54.82	30.37	3.21	51.68	29.32	3.68	48.44	28.24	4.15	45.10	27.15	4.64	41.56	26.00	5.17
67 (19.4)	52.53	39.77	2.92	49.82	38.75	3.35	47.03	37.70	3.78	44.15	36.62	4.22	41.17	35.49	4.69	38.05	34.27	5.19	
63 (17.2)††	48.69	38.02	3.04	46.20	37.01	3.44	43.65	35.97	3.85	41.02	34.90	4.27	38.28	33.77	4.71	35.42	32.54	5.20	
57 (13.9)	49.20	49.20	3.02	47.12	47.12	3.42	44.96	44.96	3.82	42.68	42.68	4.24	40.26	40.26	4.70	37.85	37.85	5.19	
		49.13	49.13	3.03	47.06	47.06	3.42	44.90	44.90	3.82	42.63	42.63	4.24	40.21	40.21	4.70	37.81	37.81	5.19

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
*GNPV*6124A**	1.00	1.00	PG8*EA060110	CAP**6024A**	0.98	0.94	PG8*EA060110	CNPV*6124A**	0.99	0.95	PG9MTAV60125*A**	CNPV*6124A**	0.99	0.95	PG9MTAV60125*A**
CAP**4817A**	0.96	1.00	PG8*EA060110	CNPV*4821A**	0.96	0.92	PG8*EA060110	CSPH*4812A**	0.98	0.94	PG9MTAV60125*A**	CSPH*4812A**	0.98	0.94	PG9MTAV60125*A**
CAP**4821A**	0.97	1.01	PG8*EA060110	CNPV*6024A**	0.98	0.94	PG8*EA060110	CNPV*6012A**	0.98	0.94	PG9MTAV60125*A**	CNPV*6012A**	0.98	0.94	PG9MTAV60125*A**
CAP**4824A**	0.97	1.01	PG8*EA060110	CNPV*4824A**	0.96	0.92	PG8*EA060110	CNPV*4824A**	0.96	0.92	PG9MTAV60125*A**	CNPV*4824A**	0.96	0.92	PG9MTAV60125*A**
CAP**6021A**	0.98	0.98	PG8*EA060110	CNPV*4824A**	0.96	0.92	PG8*EA060110	CNPV*4824A**	0.96	0.92	PG9MTAV60125*A**	CNPV*4824A**	0.96	0.92	PG9MTAV60125*A**
CAP**6024A**	0.98	0.98	PG8*EA060110	CNPV*6024A**	0.96	0.92	PG8*EA060110	CNPV*6024A**	0.96	0.92	PG9MTAV60125*A**	CNPV*6024A**	0.96	0.92	PG9MTAV60125*A**
CNPV*4818A**	0.95	0.99	PG8*EA060110	CNPV*6124A**	0.99	0.95	PG8*EA060110	CNPV*6124A**	0.99	0.95	PG9MTAV60125*A**	CNPV*6124A**	0.99	0.95	PG9MTAV60125*A**
CNPV*4817A**	1.01	1.01	PG8*EA060110	CSPH*4812A**	0.99	0.93	PG8*EA060110	CSPH*4812A**	0.99	0.93	PG9MTAV60125*A**	CSPH*4812A**	0.99	0.93	PG9MTAV60125*A**
CNPV*6024A**	0.99	0.99	PG8*EA060110	CNPV*6012A**	0.98	0.94	PG8*EA060110	CNPV*6012A**	0.98	0.94	PG9MTAV60125*A**	CNPV*6012A**	0.98	0.94	PG9MTAV60125*A**
CNPV*4824A**	0.97	1.01	PG8*EA060110	CNPV*4824A**	0.96	0.92	PG8*EA060110	CNPV*4824A**	0.96	0.92	PG9MTAV60125*A**	CNPV*4824A**	0.96	0.92	PG9MTAV60125*A**
CNPV*4824A**	0.97	1.01	PG8*EA060110	CNPV*4824A**	0.96	0.92	PG8*EA060110	CNPV*4824A**	0.96	0.92	PG9MTAV60125*A**	CNPV*4824A**	0.96	0.92	PG9MTAV60125*A**
CNPV*6024A**	0.98	0.98	PG8*EA060110	CNPV*6024A**	0.96	0.92	PG8*EA060110	CNPV*6024A**	0.96	0.92	PG9MTAV60125*A**	CNPV*6024A**	0.96	0.92	PG9MTAV60125*A**
CNPV*4812A**	0.99	1.02	PG8*EA060110	CNPV*6124A**	0.98	0.94	PG8*EA060110	CNPV*6124A**	0.98	0.94	PG9MTAV60125*A**	CNPV*6124A**	0.98	0.94	PG9MTAV60125*A**
CNPV*4812A**	0.99	1.02	PG8*EA060110	CNPV*4824A**	0.96	0.92	PG8*EA060110	CNPV*4824A**	0.96	0.92	PG9MTAV60125*A**	CNPV*4824A**	0.96	0.92	PG9MTAV60125*A**
CNPV*4818A**	0.95	0.99	PG8*EA060110	CNPV*6024A**	0.98	0.94	PG8*EA060110	CNPV*6024A**	0.98	0.94	PG9MTAV60125*A**	CNPV*6024A**	0.98	0.94	PG9MTAV60125*A**
CNPV*4817A**	1.03	1.03	PG8*EA060110	CNPV*6124A**	0.99	0.95	PG8*EA060110	CNPV*6124A**	0.99	0.95	PG9MTAV60125*A**	CNPV*6124A**	0.99	0.95	PG9MTAV60125*A**
CNPV*4817A**	0.96	0.96	PG8*EA060110	CNPV*4812A**	0.97	0.93	PG8*EA060110	CNPV*4812A**	0.97	0.93	PG9MTAV60125*A**	CNPV*4812A**	0.97	0.93	PG9MTAV60125*A**
CNPV*4817A**	0.95	0.95	PG8*EA060110	CNPV*6012A**	0.99	0.95	PG8*EA060110	CNPV*6012A**	0.99	0.95	PG9MTAV60125*A**	CNPV*6012A**	0.99	0.95	PG9MTAV60125*A**
CNPV*4817A**	0.96	0.96	PG8*EA060110	CNPV*4824A**	0.96	1.00	PG9MTAV60100*A**	CNPV*4824A**	0.96	1.00	PG9MTAV60100*A**	CNPV*4824A**	0.96	1.00	PG9MTAV60100*A**
CNPV*4817A**	0.96	0.96	PG8*EA048090	CNPV*6024A**	0.98	0.98	PG9MTAV60100*A**	CNPV*6024A**	0.98	0.98	PG9MTAV60100*A**	CNPV*6024A**	0.98	0.98	PG9MTAV60100*A**
CNPV*4817A**	0.96	0.96	PG8*EA048090	CNPV*4821A**	0.97	1.01	PG9MTAV60100*A**	CNPV*4821A**	0.97	1.01	PG9MTAV60100*A**	CNPV*4821A**	0.97	1.01	PG9MTAV60100*A**
CNPV*4817A**	0.96	0.96	PG8*EA048090	CNPV*6024A**	0.98	0.98	PG9MTAV60100*A**	CNPV*6024A**	0.98	0.98	PG9MTAV60100*A**	CNPV*6024A**	0.98	0.98	PG9MTAV60100*A**
CNPV*4817A**	0.96	0.96	PG8*EA048090	CNPV*4812A**	0.98	0.98	PG9MTAV60100*A**	CNPV*4812A**	0.98	0.98	PG9MTAV60100*A**	CNPV*4812A**	0.98	0.98	PG9MTAV60100*A**
CNPV*4817A**	0.96	0.96	PG8*EA048090	CNPV*6024A**	0.98	0.98	PG9MTAV60100*A**	CNPV*6024A**	0.98	0.98	PG9MTAV60100*A**	CNPV*6024A**	0.98	0.98	PG9MTAV60100*A**
CNPV*4817A**	0.96	0.96</													

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)		125 (51.7)	
		Capacity MBtuh	Total System KW**	Capacity MBtuh	Total System KW**	Capacity MBtuh	Total System KW**	Capacity MBtuh	Total System KW**	Capacity MBtuh	Total System KW**	Capacity MBtuh	Total System KW**
		Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†
	72 (22.2)	67.62	33.62	64.17	32.46	4.00	31.27	56.79	30.03	4.86	28.73	48.49	27.36
	67 (19.4)	61.61	41.91	58.55	40.77	3.97	38.59	51.90	38.34	4.83	37.03	44.39	35.62
1750	63 (17.2)††	57.26	40.25	54.46	39.14	3.96	37.96	48.36	36.73	4.80	35.42	41.41	34.01
	62 (18.7)	56.64	50.02	54.07	53.77	3.96	51.61	48.99	48.99	4.81	46.15	43.04	43.04
	57 (13.9)	56.19	56.19	53.95	53.95	3.96	51.53	48.93	48.93	4.81	46.09	42.99	42.99
	72 (22.2)	68.55	35.38	64.97	34.21	4.10	32.99	57.31	31.73	4.96	30.40	48.76	29.01
	67 (19.4)	62.54	44.78	59.34	43.61	4.07	42.40	52.47	41.12	4.93	39.76	44.80	38.28
2000	63 (17.2)††	58.17	42.92	55.24	41.77	4.06	40.57	48.93	39.29	4.90	37.93	41.84	36.44
	62 (16.7)	58.38	58.38	55.95	55.95	4.46	53.34	50.54	50.54	4.92	47.51	44.19	44.19
	57 (13.9)	58.30	58.30	55.88	55.88	4.46	53.28	50.48	50.48	4.92	47.45	44.14	44.14
	72 (22.2)	69.20	37.05	65.50	35.85	4.20	34.82	57.62	33.34	5.06	32.00	48.89	30.59
	67 (19.4)	63.21	47.52	59.93	46.32	4.17	45.07	52.89	43.73	5.03	42.29	45.19	44.77
2250	63 (17.2)††	58.84	45.45	55.83	44.27	4.16	43.02	49.37	41.69	5.01	40.23	42.31	42.31
	62 (16.7)	60.10	60.10	57.51	57.51	4.16	54.74	49.37	51.77	5.02	48.57	45.09	45.09
	57 (13.9)	60.03	60.03	57.44	57.44	4.16	54.68	49.37	51.71	5.02	48.52	45.04	45.04

PA16NA060-A Outdoor Section With CNPV\*6124A\*\* Indoor Section

COOLING INDOOR MODEL		CAPACITY		POWER		FURNACE MODEL	
MODEL	POWER	Capacity	Power	Model	Power	Capacity	Power
*CNPV*6124A**	1.00	1.00	0.98	CNPV*6124A**	0.94	0.96	PG8*EA060110
CAP**6021A**	0.96	0.96	0.96	CNPV*6024A**	0.93	0.93	PG8*EA060110
CAP**6024A**	0.98	0.98	0.98	CNPV*6124A**	0.94	0.94	PG8*EA060110
CNPV*6024A**	0.98	0.98	0.98	CSPH*6012A**	0.94	0.94	PG8*EA060110
CNPV*6124A**	0.98	0.98	0.96	CAP**6024A**	0.96	0.96	PG8*EA060135
CNPV*6024A**	0.98	0.98	0.96	CNPV*6024A**	0.96	0.96	PG8*EA060135
CSPH*6012A**	0.98	0.98	0.93	CNPV*6124A**	0.93	0.93	PG8*EA060135
PF4MNA060	1.02	0.98	0.96	CNPV*6024A**	0.96	0.96	PG8*EA060135
PF4MNA061	0.94	0.98	0.94	CNPV*6124A**	0.94	0.94	PG8*EA060135
CAP**6021A**	0.95	0.99	0.94	CSPH*6012A**	0.94	0.94	PG8*EA060135
CAP**6024A**	0.93	0.96	0.93	CNPV*6024A**	0.96	0.96	PG9MNA048080
CNPV*6024A**	0.96	0.96	0.96	CSPH*6012A**	0.96	0.96	PG9MNA048080

\* 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) per 1000 CFM (480 L/S) 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).  
 # Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per AHRI standard 210/240-2008. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.  
 \*\* 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

# CONDENSER ONLY RATINGS

SST ° F (° C)		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)							
		55 (12.78)	65 (18.33)	75 (23.89)	85 (29.44)	95 (35.0)	105 (40.56)	115 (46.11)	125 (51.67)
<b>126BNA018****B</b>									
30 (-1.11)	TCG	15.70	14.90	14.10	13.20	12.30	11.30	10.20	9.20
	SDT	66.60	76.20	85.80	95.30	104.80	114.30	123.70	133.10
	KW	0.75	0.87	0.99	1.12	1.26	1.41	1.60	1.81
35 (1.67)	TCG	17.50	16.60	15.70	14.70	13.70	12.60	11.50	10.30
	SDT	67.80	77.30	86.80	96.30	105.70	115.10	124.40	133.80
	KW	0.75	0.87	0.99	1.12	1.26	1.42	1.60	1.81
40 (4.44)	TCG	19.40	18.40	17.40	16.30	15.20	14.00	12.80	11.50
	SDT	69.00	78.50	87.90	97.30	106.60	115.90	125.20	134.50
	KW	0.74	0.87	0.99	1.12	1.26	1.42	1.60	1.81
45 (7.22)	TCG	21.50	20.30	19.20	18.00	16.70	15.50	14.10	12.80
	SDT	70.40	79.70	89.00	98.30	107.60	116.90	126.10	135.30
	KW	0.74	0.86	0.99	1.13	1.27	1.43	1.61	1.82
50 (10.0)	TCG	23.60	22.40	21.10	19.70	18.40	17.00	15.60	14.10
	SDT	71.60	80.90	90.10	99.40	108.60	117.80	127.00	136.20
	KW	0.73	0.86	1.00	1.13	1.28	1.44	1.62	1.82
55 (12.78)	TCG	25.90	24.50	23.10	21.60	20.10	18.60	17.10	15.50
	SDT	73.00	82.10	91.30	100.50	109.70	118.80	128.00	137.10
	KW	0.73	0.86	1.00	1.14	1.29	1.45	1.63	1.84
<b>126BNA024****A</b>									
30 (-1.11)	TCG	21.10	20.10	19.00	17.90	16.70	15.40	14.10	12.70
	SDT	66.10	75.80	85.30	94.90	104.40	114.00	123.40	132.80
	KW	1.00	1.15	1.31	1.47	1.65	1.86	2.09	2.37
35 (1.67)	TCG	23.40	22.20	21.00	19.80	18.50	17.10	15.60	14.10
	SDT	67.20	76.80	86.30	95.80	105.30	114.70	124.10	133.50
	KW	0.99	1.15	1.31	1.47	1.66	1.86	2.10	2.37
40 (4.44)	TCG	25.80	24.60	23.20	21.80	20.40	18.90	17.30	15.70
	SDT	68.40	77.90	87.30	96.70	106.10	115.50	124.80	134.10
	KW	0.98	1.14	1.31	1.48	1.66	1.87	2.10	2.37
45 (7.22)	TCG	28.50	27.00	25.50	24.00	22.40	20.80	19.10	17.40
	SDT	69.60	79.00	88.30	97.70	107.00	116.30	125.60	134.90
	KW	0.97	1.14	1.31	1.48	1.67	1.87	2.11	2.37
50 (10.0)	TCG	31.20	29.60	28.00	26.30	24.60	22.80	21.00	19.10
	SDT	70.80	80.10	89.40	98.70	107.90	117.20	126.40	135.60
	KW	0.96	1.14	1.31	1.49	1.67	1.88	2.12	2.38
55 (12.78)	TCG	34.20	32.40	30.60	28.80	26.90	25.00	23.00	20.90
	SDT	72.10	81.30	90.50	99.70	108.90	118.10	127.30	136.40
	KW	0.95	1.13	1.31	1.49	1.69	1.90	2.13	2.39
<b>126BNA030****A</b>									
30 (-1.11)	TCG	24.90	23.50	22.20	20.80	19.40	17.90	16.20	14.40
	SDT	68.10	77.50	87.00	96.40	105.80	115.10	124.40	133.60
	KW	1.27	1.43	1.60	1.78	1.99	2.23	2.50	2.81
35 (1.67)	TCG	27.50	26.00	24.50	23.10	21.50	19.90	18.10	16.20
	SDT	69.40	78.70	88.10	97.40	106.70	116.00	125.30	134.40
	KW	1.28	1.44	1.61	1.79	2.00	2.24	2.51	2.82
40 (4.44)	TCG	30.30	28.60	27.10	25.50	23.80	22.00	20.10	18.10
	SDT	70.70	79.90	89.20	98.50	107.70	117.00	126.20	135.30
	KW	1.29	1.44	1.61	1.80	2.01	2.25	2.52	2.83
45 (7.22)	TCG	33.30	31.50	29.80	28.00	26.20	24.30	22.30	20.10
	SDT	72.00	81.20	90.40	99.60	108.80	118.00	127.20	136.30
	KW	1.29	1.44	1.61	1.80	2.01	2.26	2.53	2.85
50 (10.0)	TCG	36.50	34.50	32.60	30.70	28.80	26.70	24.50	22.20
	SDT	73.50	82.50	91.70	100.80	110.00	119.20	128.20	137.20
	KW	1.29	1.44	1.61	1.80	2.02	2.26	2.54	2.86
55 (12.78)	TCG	39.90	37.80	35.70	33.60	31.50	29.30	26.90	24.40
	SDT	75.00	84.00	93.00	102.10	111.20	120.30	129.30	138.20
	KW	1.29	1.44	1.61	1.80	2.02	2.27	2.54	2.86
<b>126BNA036****A</b>									
30 (-1.11)	TCG	30.40	28.80	27.20	25.60	23.90	22.10	20.20	18.20
	SDT	68.90	78.20	87.50	96.80	106.20	115.50	124.90	134.20
	KW	1.49	1.72	1.95	2.21	2.49	2.81	3.20	3.64
35 (1.67)	TCG	33.50	31.80	30.10	28.30	26.50	24.50	22.50	20.30
	SDT	70.10	79.30	88.60	97.90	107.20	116.50	125.80	135.00
	KW	1.49	1.73	1.96	2.22	2.50	2.82	3.20	3.65
40 (4.44)	TCG	37.00	35.10	33.20	31.20	29.20	27.10	24.90	22.60
	SDT	71.40	80.60	89.80	99.00	108.20	117.40	126.70	135.90
	KW	1.50	1.73	1.97	2.23	2.51	2.84	3.21	3.65
45 (7.22)	TCG	40.60	38.60	36.50	34.30	32.10	29.80	27.40	24.90
	SDT	72.80	81.90	91.00	100.20	109.40	118.50	127.70	136.80
	KW	1.51	1.75	1.99	2.24	2.53	2.85	3.23	3.66
50 (10.0)	TCG	44.50	42.30	40.00	37.70	35.20	32.70	30.10	27.40
	SDT	74.40	83.30	92.40	101.50	110.50	119.60	128.70	137.70
	KW	1.53	1.76	2.01	2.26	2.55	2.87	3.24	3.67
55 (12.78)	TCG	48.70	46.20	43.70	41.20	38.50	35.80	33.00	30.00
	SDT	76.00	84.90	93.80	102.80	111.80	120.80	129.80	138.70
	KW	1.55	1.79	2.03	2.29	2.57	2.90	3.26	3.69

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See notes on page 37

# CONDENSER ONLY RATINGS CONTINUED

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)							
		55 (12.78)	65 (18.33)	75 (23.89)	85 (29.44)	95 (35.0)	105 (40.56)	115 (46.11)	125 (51.67)
<b>126BNA042****A</b>									
30 (-1.11)	TCG	37.90	36.20	34.30	32.30	30.10	27.90	25.50	23.00
	SDT	69.80	79.20	88.70	98.10	107.40	116.70	125.90	135.10
	KW	1.83	2.03	2.26	2.54	2.86	3.22	3.63	4.09
35 (1.67)	TCG	41.90	40.00	37.90	35.70	33.30	30.80	28.30	25.60
	SDT	71.20	80.60	89.90	99.20	108.40	117.70	126.80	136.00
	KW	1.84	2.04	2.28	2.56	2.88	3.24	3.65	4.10
40 (4.44)	TCG	46.10	44.00	41.70	39.20	36.70	34.00	31.20	28.30
	SDT	72.70	81.90	91.20	100.40	109.60	118.70	127.80	136.90
	KW	1.85	2.05	2.30	2.58	2.90	3.26	3.67	4.13
45 (7.22)	TCG	50.70	48.30	45.80	43.10	40.20	37.30	34.30	31.10
	SDT	74.20	83.30	92.50	101.60	110.80	119.80	128.90	137.90
	KW	1.86	2.07	2.32	2.60	2.92	3.29	3.70	4.15
50 (10.0)	TCG	55.50	52.90	50.10	47.10	44.00	40.80	37.50	34.10
	SDT	75.80	84.80	93.90	103.00	112.00	121.00	130.00	138.90
	KW	1.87	2.09	2.34	2.63	2.95	3.32	3.73	4.19
55 (12.78)	TCG	60.70	57.70	54.60	51.30	47.90	44.40	40.80	37.10
	SDT	77.40	86.40	95.40	104.40	113.40	122.30	131.20	140.00
	KW	1.89	2.11	2.36	2.66	2.99	3.36	3.77	4.22
<b>126BNA048****A</b>									
30 (-1.11)	TCG	41.30	39.10	36.90	34.70	32.40	30.00	27.50	24.80
	SDT	67.80	77.20	86.60	96.00	105.40	114.70	124.00	133.30
	KW	2.01	2.31	2.59	2.89	3.19	3.54	3.93	4.38
35 (1.67)	TCG	45.60	43.20	40.80	38.30	35.80	33.20	30.40	27.60
	SDT	69.00	78.30	87.70	97.00	106.30	115.60	124.80	134.10
	KW	1.94	2.27	2.58	2.89	3.21	3.56	3.95	4.39
40 (4.44)	TCG	50.50	47.70	45.00	42.20	39.40	36.60	33.60	30.50
	SDT	70.40	79.60	88.80	98.00	107.20	116.50	125.70	134.80
	KW	1.84	2.20	2.54	2.87	3.21	3.57	3.97	4.41
45 (7.22)	TCG	55.70	52.60	49.50	46.50	43.40	40.20	36.90	33.50
	SDT	71.80	80.80	90.00	99.10	108.30	117.40	126.60	135.70
	KW	1.69	2.09	2.46	2.83	3.19	3.57	3.98	4.43
50 (10.0)	TCG	61.40	57.90	54.50	51.00	47.60	44.10	40.50	36.70
	SDT	73.20	82.20	91.30	100.30	109.40	118.50	127.50	136.50
	KW	1.50	1.94	2.36	2.76	3.15	3.55	3.98	4.44
55 (12.78)	TCG	67.60	63.60	59.80	55.90	52.10	48.20	44.20	40.10
	SDT	74.70	83.70	92.60	101.60	110.60	119.60	128.50	137.40
	KW	1.26	1.75	2.21	2.65	3.08	3.51	3.97	4.44
<b>126BNA060****A</b>									
30 (-1.11)	TCG	45.10	43.80	42.30	40.50	38.50	36.20	33.50	30.50
	SDT	69.00	78.40	87.70	97.10	106.40	115.60	124.80	134.00
	KW	2.22	2.52	2.83	3.17	3.56	4.00	4.53	5.15
35 (1.67)	TCG	50.00	48.40	46.70	44.70	42.50	40.00	37.10	33.80
	SDT	70.40	79.70	89.00	98.20	107.40	116.60	125.80	134.90
	KW	2.21	2.52	2.85	3.19	3.58	4.03	4.55	5.16
40 (4.44)	TCG	55.10	53.40	51.40	49.20	46.70	44.00	40.80	37.30
	SDT	71.90	81.10	90.20	99.40	108.50	117.60	126.70	135.70
	KW	2.21	2.53	2.86	3.21	3.61	4.05	4.57	5.18
45 (7.22)	TCG	60.70	58.60	56.40	54.00	51.20	48.20	44.80	41.00
	SDT	73.50	82.50	91.60	100.70	109.70	118.70	127.70	136.70
	KW	2.20	2.53	2.87	3.23	3.63	4.08	4.60	5.20
50 (10.0)	TCG	66.50	64.20	61.70	59.00	56.00	52.60	48.90	44.70
	SDT	75.10	84.00	93.00	102.00	111.00	119.90	128.80	137.60
	KW	2.19	2.53	2.89	3.26	3.66	4.11	4.63	5.22
55 (12.78)	TCG	72.80	70.10	67.30	64.20	60.90	57.20	53.10	48.60
	SDT	76.80	85.70	94.50	103.40	112.30	121.10	129.90	138.60
	KW	2.18	2.54	2.90	3.28	3.69	4.15	4.66	5.25

\* AHRI listing applies only to systems shown in Combination Ratings table.

**KW** – Outdoor Unit Kilowatts Only.

**SDT** – Saturated Temperature Leaving Compressor (°F)

**SST** – Saturated Temperature Entering Compressor (°F/°C)

**TCG** – Gross Cooling Capacity (1000 Btuh)

# GUIDE SPECIFICATIONS

## GENERAL

### System Description

Outdoor-mounted, air-cooled, split-system air conditioner unit suitable for ground or rooftop installation. Unit consists of a hermetic compressor, an air-cooled coil, propeller-type condenser fan, and a control box. Unit will discharge supply air upward as shown on contract drawings. Unit will be used in a refrigeration circuit to match up to a packaged fan coil or coil unit.

### Quality Assurance

- Unit will be rated in accordance with the latest edition of AHRI Standard 210.
- Unit will be certified for capacity and efficiency, and listed in the latest AHRI directory.
- Unit construction will comply with latest edition of ANSI/ASHRAE and with NEC.
- Unit will be constructed in accordance with UL standards and will carry the UL label of approval. Unit will have c-UL-us approval.
- Unit cabinet will be capable of withstanding Federal Test Method Standard No. 141 (Method 6061) 500-hr salt spray test.
- Air-cooled condenser coils will be leak tested at 150 psig and pressure tested at 450 psig.
- Unit constructed in ISO9001 approved facility.

### Delivery, Storage, and Handling

- Unit will be shipped as single package only and is stored and handled per unit manufacturer's recommendations.

### Warranty (for inclusion by specifying engineer)

- U.S. and Canada only.

## PRODUCTS

### Equipment

Factory assembled, single piece, air-cooled air conditioner unit. Contained within the unit enclosure is all factory wiring, piping, controls, compressor, refrigerant charge R-410A, and special features required prior to field start-up.

### Unit Cabinet

- Unit cabinet will be constructed of galvanized steel, bonderized, and coated with a powder coat paint.

## AIR-COOLED, SPLIT-SYSTEM AIR CONDITIONER

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1-1/2 TO 5 NOMINAL TONS

### Fans

- Condenser fan will be direct-drive propeller type, discharging air upward.
- Condenser fan motors will be totally enclosed, 1-phase type with class B insulation and permanently lubricated bearings. Shafts will be corrosion resistant.
- Fan blades will be statically and dynamically balanced.
- Condenser fan openings will be equipped with coated steel wire safety guards.

### Compressor

- Compressor will be hermetically sealed.
- Compressor will be mounted on rubber vibration isolators.

### Condenser Coil

- Condenser coil will be air cooled.
- Coil will be constructed of aluminum fins mechanically bonded to copper tubes which are then cleaned, dehydrated, and sealed.

### Refrigeration Components

- Refrigeration circuit components will include liquid-line shutoff valve with sweat connections, vapor-line shutoff valve with sweat connections, system charge of R-410A refrigerant, and compressor oil.
- Unit will be equipped with high-pressure switch, low pressure switch and filter drier for R-410A refrigerant.

### Operating Characteristics

- The capacity of the unit will meet or exceed \_\_\_\_\_ Btuh at a suction temperature of \_\_\_\_\_ °F/°C. The power consumption at full load will not exceed \_\_\_\_\_ kW.
- Combination of the unit and the evaporator or fan coil unit will have a total net cooling capacity of \_\_\_\_\_ Btuh or greater at conditions of \_\_\_\_\_ CFM entering air temperature at the evaporator at \_\_\_\_\_ °F/°C wet bulb and \_\_\_\_\_ °F/°C dry bulb, and air entering the unit at \_\_\_\_\_ °F/°C.
- The system will have a SEER of \_\_\_\_\_ Btuh/watt or greater at DOE conditions.

### Electrical Requirements

- Nominal unit electrical characteristics will be \_\_\_\_\_ v, single phase, 60 hz. The unit will be capable of satisfactory operation within voltage limits of \_\_\_\_\_ v to \_\_\_\_\_ v.
- Unit electrical power will be single point connection.
- Control circuit will be 24v.

### Special Features

- Refer to section of this literature identifying accessories and descriptions for specific features and available enhancements.

## SYSTEM DESIGN SUMMARY

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 for cooling mode 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. For interconnecting refrigerant tube lengths greater than 80 ft (23.4 m) and/or 35 ft (10.7 m) vertical differential, consult Residential Piping and Longline Guideline and Service Manual available from equipment distributor.
6. If any refrigerant tubing is buried, provide a 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. Do not bury refrigerant lines longer than 36 in. (914.4 mm).
7. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
8. Do not apply capillary tube indoor coils to these units.
9. Factory-supplied filter drier must be installed.

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