

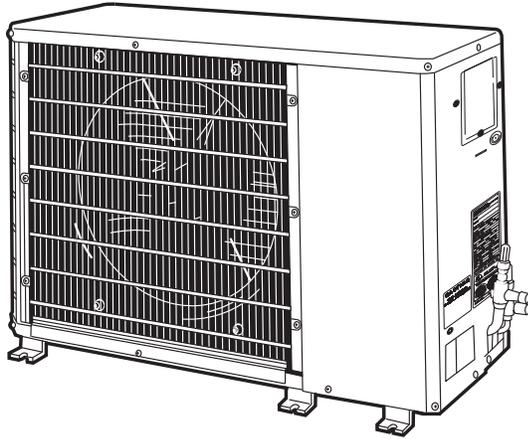
**PH13NAZ**

**DUCTED HEAT PUMP**

**Sizes 018 To 060**

**1.5 To 5 Nominal Tons**

## Product Data



A08379

### INDUSTRY LEADING FEATURES / BENEFITS

#### Energy Efficiency

- 13 - 14.5 SEER/10.5 - 12.0 EER/7.7 - 8.2 HSPF

#### Sound

- Levels as low as 71 dBA

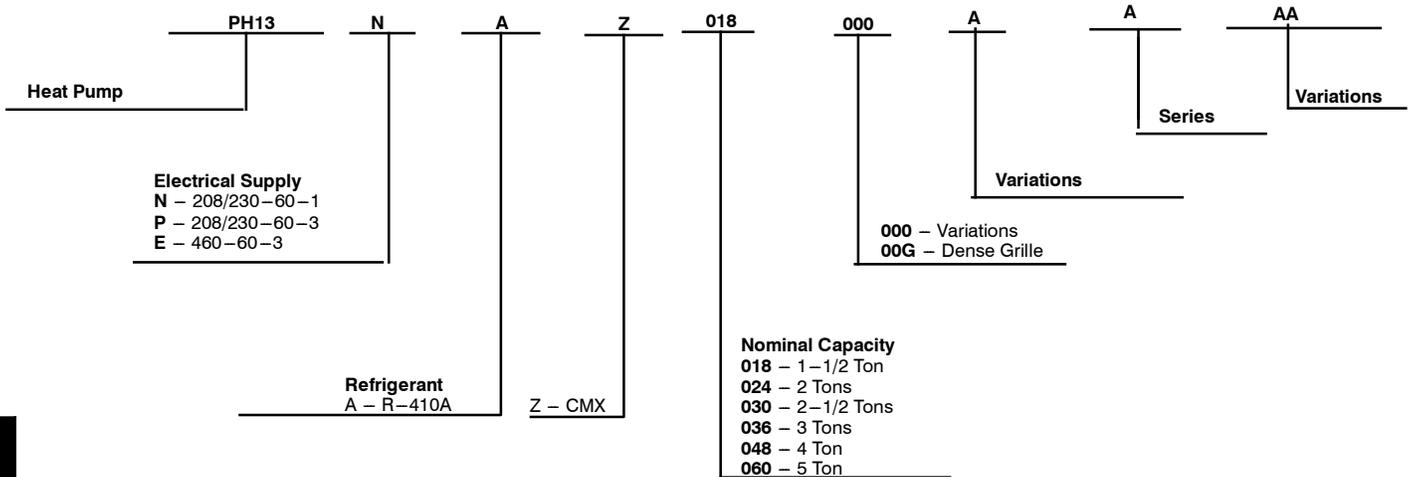
#### Design Features

- New aesthetics
- Small footprint
- All steel cabinet construction
- Baked on powder paint
- Mesh coil guard

#### Reliability, Quality and Toughness

- Scroll compressor
- Factory-supplied filter drier
- High pressure switch
- Low pressure switch
- Accumulator
- Line lengths up to 250' (76 m)
- Low ambient operation (down to -20°F/-28.9°C)  
(with low ambient accessories)

# MODEL NUMBER NOMENCLATURE



PH13NAZ

## PHYSICAL DATA

UNIT PH13NAZ	018	024	030	036	048	060
<b>NOMINAL CAPACITY Tons (kg)</b>	1.5 (1360.8)	2.0 (1814.4)	2.5 (2268.0)	3.0 (2721.6)	4.0 (3628.8)	5.0 (4536.0)
<b>OPERATING WEIGHT lb (kg)</b>	167 (75.75)	176 (79.83)	187 (84.82)	232 (105.23)	278 (126.10)	306 (138.80)
<b>REFRIGERANT TYPE</b>	R-410A					
<b>METERING DEVICE</b>	TXV					
<b>CHARGE* lb (kg)</b>	6.8 (3.0)	7.0 (3.1)	12.0 (5.4)	12.5 (5.6)	12.2 (5.5)	12.8 (5.8)
<b>COMPRESSOR</b>	Scroll					
Type	Scroll					
Oil Charge (POE – oz)	25.0	25.0	25.0	25.0	42.0	42.0
Crankcase Heater (watts)	—	—	40	40	40	40
<b>OUTDOOR FAN</b>						
Rpm/Cfm	840/1720	840/1720	850/3900	850/3900	850/3900	850/3900
Diameter in. (mm)	18 (457.2)	18 (457.2)	24 (609.6)	24 (609.6)	24 (609.6)	24 (609.6)
No. Blades	3	3	3	3	3	3
Motor (hp)	1/8	1/8	1/4	1/4	1/4	1/4
<b>OUTDOOR COIL</b>						
Face Area (sq ft)	5.8	7.3	12.1	12.1	14.1	14.1
No. Rows	3	3	2	3	3	3
FPI	20	20	20	20	20	20
<b>HIGH PRESSURE SWITCH</b>						
Cut–In (psig) Cutout (psig)	420 ± 25 650 ± 10	420 ± 25 650 ± 10	420 ± 25 650 ± 10			
<b>LOW PRESSURE SWITCH</b>						
Low Cutout (psig) Low Cut–in (psig)	20 ± 5 45 ± 25	20 ± 5 45 ± 25	20 ± 5 45 ± 25			
<b>REFRIGERANT LINES</b>						
Connection Type	Sweat					
Liquid Line (in.) OD	3/8	3/8	3/8	3/8	3/8	3/8
Vapor Line (in.) OD	5/8	5/8	3/4	3/4	7/8	7/8†
Max Length ft (m)	200 (61.0)	200 (61.0)	200 (61.0)	200 (61.0)	200 (61.0)	200 (61.0)
Max Lift ft (m)	65 (19.8)	65 (19.8)	65 (19.8)	65 (19.8)	65 (19.8)	65 (19.8)
Max Drop ft (m)	150 (45.7)	150 (45.7)	150 (45.7)	150 (45.7)	150 (45.7)	150 (45.7)
<b>CONTROLS</b>						
Fusible Plug °F (°C)	210 (150.6)					
Control Voltage‡	24 vac					
System Voltage	208/230 v	208/230 v	208/230 v	208/230 v, Single and 3 Phase, 460 v, 3 Phase		
<b>FINISH</b>	Gray					

\* Unit shipped with full factory charge. See ARI (Air Conditioning and Refrigeration Institute) capacity table for proper charge and piston for each fan coil type.

† Valve connection size is 7/8 inch. Recommended line size is 1–1/8 inches.

‡ 24 v and a minimum of 40 va is provided in the fan coil unit.

FPI – Fins Per Inch

POE – Polyol Ester

# VAPOR LINE SIZING AND COOLING CAPACITY LOSS

**LONG LINE APPLICATION:** An application is considered "Long line" when the total equivalent tubing length exceeds 80 ft. (24.38 m) or when there is more than 20 ft. (6.09 m) vertical separation between indoor and outdoor units. These applications require additional accessories and system modifications for reliable system operation. The maximum allowable total equivalent length is 250 ft. (76.2 m). The maximum vertical

separation is 200 ft. (60.96 m) when outdoor unit is above indoor unit, and 80 ft. (24.38 m) when the outdoor unit is below the indoor unit. Refer to Accessory Usage Guideline below for required accessories. See Longline Application Guideline for required piping and system modifications. Also, refer to the table below for vapor tube diameters based on the total length to minimize the cooling capacity loss.

Unit Nominal Size (Btuh)	Maximum Liquid Line Diameters (In. OD)	Vapor Line Diameters (In.) OD	Cooling Capacity Loss (%) Total Equivalent Line Length ft. (m)								
			Standard Application		Long Line Application Requires Accessories						
			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 (46.0-50.3)	176-200 (53.6-60.0)	201-225 (61.3-68.6)	226-250 (68.9-76.2)
18,000 1-Stage R-410A HP	3/8	1/2	1	2	3	4	6	7	8	9	10
		5/8	0	0	1	1	1	2	2	3	3
24,000 1-Stage R-410A HP		5/8	0	1	1	2	3	3	4	4	5
		3/4	0	0	0	0	1	1	1	1	1
30,000 1-Stage R-410A HP		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
36,000 1-Stage R-410A HP		5/8	1	2	4	5	6	7	9	10	11
		3/4	0	0	1	1	2	2	3	3	4
		7/8	0	0	0	0	1	1	1	1	2
42,000 1-Stage R-410A HP		3/4	0	1	2	2	3	4	4	5	6
		7/8	0	0	1	1	1	2	2	2	3
48,000 1-Stage R-410A HP		3/4	0	1	2	3	4	5	5	6	7
		7/8	0	0	1	1	2	2	2	3	3
60,000 1-Stage R-410A HP		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 are long line. Accessories are required as shown recommended on Long Line Application Guidelines  
 Applications in this area may have height restrictions that limit allowable total equivalent length, when outdoor unit is below indoor unit See Long Line Application Guidelines

PH13NAZ



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.**

# ACCESSORIES

PH13NAZ

KIT NUMBER	KIT NAME	018	024	030	036	048	060
KAACH1401AAA	Crankcase Heater	X	X	X	X		
KAACH1201AAA	Crankcase Heater					X	X
KAACS0201PTC	PTC Kit	X	X	X	X	X	X
KAFT0101AAA	Evaporator Freeze Stat	X	X	X	X	X	X
KAHI0501PUR	High Press. Switch	X	X	X	X	X	X
KAALP0401PUR	Low Press. Switch	X	X	X	X	X	X
KAALS0201LLS	Solenoid Valve	X	X	X	X	X	X
KAATD0101TDR	Time Delay Relay	X	X	X	X	X	X
KAWS0101AAA	Winter Start Kit (for low ambient)	X	X	X	X	X	X
KHAIR0101AAA	Isolation Relay	X	X	X	X	X	X
KHALS0401LLS	Solenoid Valve Kit	X	X	X	X	X	X
KHAOT0301FST	Outdoor Therm Kit	X	X	X	X	X	X
KHAOT0201SEC	Outdoor Therm Kit Secondary	X	X	X	X	X	X
KSACY0101AAA	Cycle Protector	X	X	X	X	X	X
KSAS1501AAA	Hard Start Kit	X	X	X	X	X	X
KSASH1801COP	Sound Blanket	X	X	X	X		
KSASH0601COP	Sound Blanket					X	X
KSALA0401410	Low Ambient Kit	X	X	X	X	X	X
KSATX0201PUR	TXV	X	X	X			
KSATX0301PUR	TXV				X		
KSATX0401PUR	TXV					X	
KSATX0501PUR	TXV						X
53DS-900---070	Wind Baffle	X					
53DS-900---087	Wind Baffle		X				
53DS-900---071	Wind Baffle			X	X		
53DS-900---088	Wind Baffle					X	X
53DS-900---075	Stacking Kit	X	X				
53DS-900---076	Stacking Kit			X	X	X	X
53DS-900---077	Wall Mounting Kit	X	X				
53DS-900---078	Wall Mounting Kit			X	X	X	X

X = Accessory, S = Standard

# ELECTRICAL DATA

UNIT SIZE	V-PH-Hz	VOLTAGE RANGE*		COMPRESSOR		OUTDOOR FAN MOTOR			MIN CKT AMPS	FUSE/CKTBKR AMPS
		Min	Max	RLA	LRA	FLA	NEC Hp	kw Out		
018	208/230-1-60	187	253	9.0	48.0	0.8	0.125	0.09	12.1	20
024	208/230-1-60	187	253	14.4	58.3	0.8	0.125	0.09	18.8	30
030	208/230-1-60	187	253	12.8	64.0	1.5	0.25	0.19	17.5	30
036	208/230-1-60	187	253	15.5	77.0	1.5	0.25	0.19	20.9	30
	208/230-3-60	187	253	10.1	71.0	1.5	0.25	0.19	14.1	20
	460-3-60	414	506	5.6	38.0	0.8	0.25	0.19	7.8	10
048	208/230-1-60	187	253	26.5	117.0	1.5	0.25	0.19	34.6	50
	208/230-3-60	187	253	16.7	83.1	1.5	0.25	0.19	22.4	30
	460-3-60	414	506	7.3	41.0	0.8	0.25	0.19	10	15
060	208/230-1-60	187	253	26.4	134.0	1.5	0.25	0.19	34.5	60
	208/230-3-60	187	253	17.7	110.0	1.5	0.25	0.19	23.6	40
	460-3-60	414	506	7.8	52.0	0.8	0.25	0.19	10.6	15

**LEGEND:**

- FLA** – Full Load Amps
- HACR** – Heating, Air Conditioning, Refrigeration
- LRA** – Locked Rotor Amps
- NEC** – National Electrical Code
- RLA** – Rated Load Amps (compressor)

\* Permissible limits of the voltage range at which the unit will operate satisfactorily

**NOTE:** Control circuit is 24-V on all units and requires external power source. Copper wire must be used from service disconnect to unit. All motors/compressors contain internal overload protection.

Complies with 2001 requirements of ASHRAE Standards 90.1

PH13NAZ

## A-WEIGHTED SOUND POWER LEVEL

Unit Size	Standard Rating (dBA)	Standard Rating (dBA) With Sound Blanket	Typical Octave Band Spectrum (dB, without tone adjustment)						
			125	250	500	1000	2000	4000	8000
018	71	69	56.0	57.0	61.0	64.0	59.5	56.0	45.5
			55.0	56.5	60.5	63.0	59.5	56.0	45.0
024	72	70	53.5	58.0	65.0	65.5	60.5	57.5	46.5
			54.0	58.0	62.5	65.5	60.0	57.5	45.5
030	74	73	57.5	61.5	67.0	67.5	66.5	63.5	57.0
			59.0	61.5	66.0	67.0	66.0	63.0	56.5
036	74	73	58.5	62.5	64.5	65.0	63.5	62.5	52.5
			58.0	62.5	64.5	64.5	63.5	62.5	52.0
048	74	73	59.0	62.0	65.5	67.0	63.5	60.5	52.5
			58.5	61.5	64.0	66.0	63.0	60.5	52.0
060	74	73	65.5	63.0	66.5	65.0	63.5	63.0	57.0
			65.5	62.0	65.0	65.0	63.5	62.0	54.5

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

## CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE	REQUIRED SUBCOOLING °F (°C)	OUTDOOR HEATING PISTON #
018	12 (6.7)	40
024		49
030		55
036		63
048		73
060		80

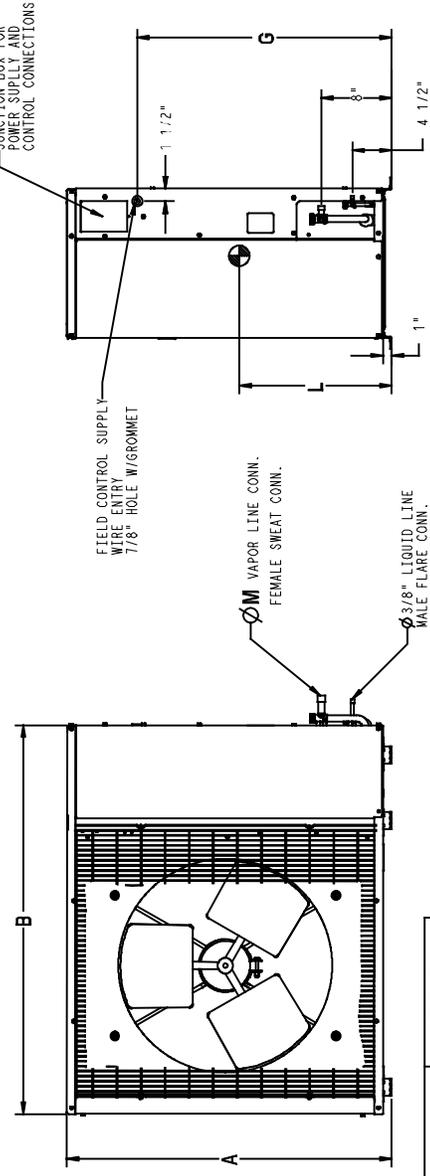
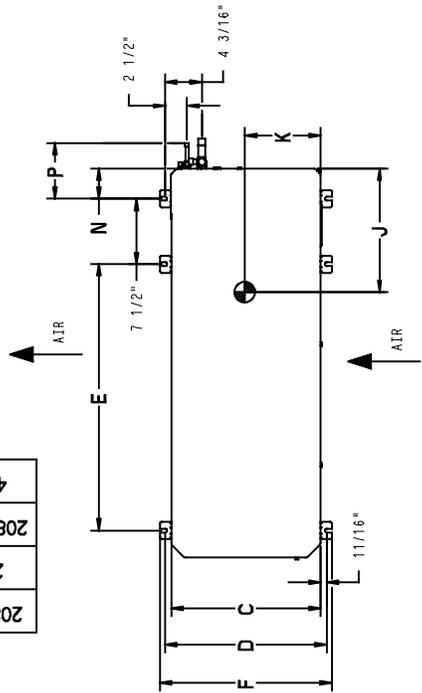
# PH13NAZ

## DIMENSIONS - ENGLISH

UNIT SERIES	ELECTRICAL CHARACTERISTICS	A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT(lbs)	SHIPPING WEIGHT(lbs)	SHIPPING DIMENSIONS (L x W x H)	
PH13A718	A	X	0	0	25 1/8"	36 15/16"	14 9/16"	16"	23 7/16"	17 3/16"	17 1/8"	22"	13"	6 5/8"	11 1/4"	5/8"	2 15/16"	6"	42 9/10" X 18" X 28 1/10"
PH13A724	A	X	0	0	31 1/8"	36 15/16"	14 9/16"	16"	23 7/16"	17 3/16"	23 1/8"	28"	14"	6 3/4"	11 5/8"	5/8"	2 15/16"	6"	42 9/10" X 18" X 34 1/10"
PH13A730	A	X	0	0	37 3/16"	44 9/16"	17 1/16"	18 7/16"	30 1/2"	19 5/8"	29 3/16"	34 1/16"	13 11/16"	8 1/8"	15 7/8"	3/4"	3 7/16"	6 1/2"	50 1/2" X 20 1/2" X 40 2/10"
PH13A736	A	X	0	X	37 3/16"	44 9/16"	17 1/16"	18 7/16"	30 1/2"	19 5/8"	29 3/16"	34 1/16"	13 11/16"	8 1/8"	15 7/8"	3/4"	3 7/16"	6 1/2"	50 1/2" X 20 1/2" X 40 2/10"
PH13A748	A	X	0	X	43 3/16"	44 9/16"	17 1/16"	18 7/16"	30 1/2"	19 5/8"	35 3/16"	40 1/16"	14 1/2"	8 1/2"	18 7/8"	7/8"	3 7/16"	6 1/2"	50 1/2" X 20 1/2" X 46 2/10"
PH13A760	A	X	0	X	43 3/16"	44 9/16"	17 1/16"	18 7/16"	30 1/2"	19 5/8"	35 3/16"	40 1/16"	14 1/2"	8 1/2"	18 7/8"	7/8"	3 7/16"	6 1/2"	50 1/2" X 20 1/2" X 46 2/10"

X = YES  
0 = NO

- REQUIRED CLEARANCES: WITH COIL FACING WALL; ALLOW 6" MIN CLEARANCE ON COIL SIDE AND COIL END AND 36" MIN CLEARANCE ON COMPRESSOR END AND FAN SIDE. WITH FAN FACING WALL; ALLOW 8" MIN CLEARANCE ON FAN SIDE AND COIL END AND 38" MIN CLEARANCE ON COMPRESSOR END AND COIL SIDE. WITH MULTI UNIT APPLICATION; ARRANGE UNITS SO DISCHARGE OF ONE DOES NOT ENTER INLET OF ANOTHER.
- 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	23" X 42"
30, 36, 48, 60	24" X 50"

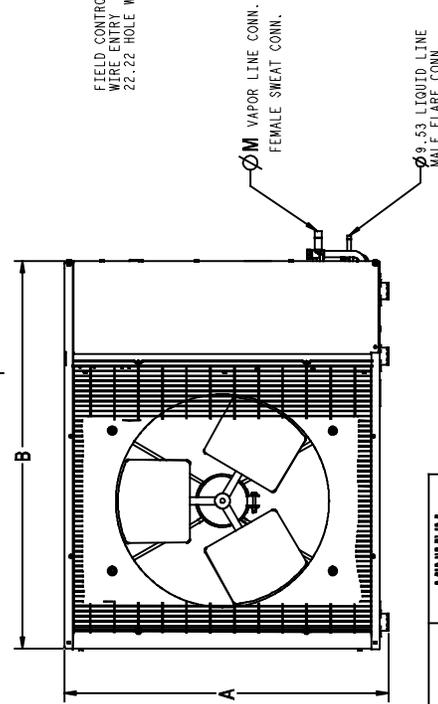
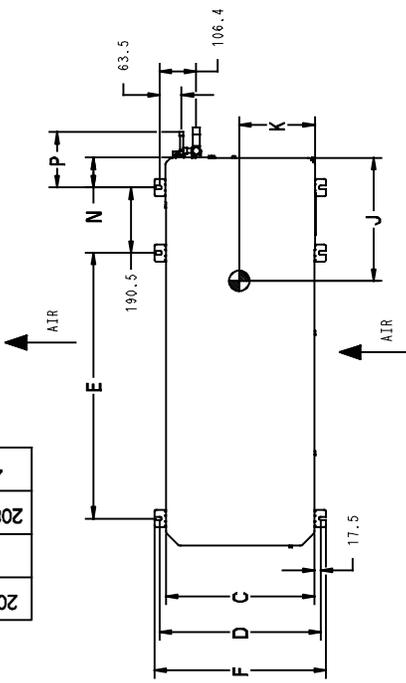
# DIMENSIONS - SI

UNIT SERIES	ELECTRICAL CHARACTERISTICS	A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT(KG)	SHIPPING WEIGHT(KG)	SHIPPING DIMENSIONS (L x W x H)		
PH13A718	A	X	0	0	638.2	938.2	369.9	406.4	595.3	436.6	435.0	558.8	330.2	168.3	285.8	15.9	74.6	152.4	1090.2 X 457.7 X 714.3	
PH13A724	A	X	0	0	790.6	938.2	369.9	406.4	595.3	436.6	587.4	711.2	355.6	171.5	295.3	15.9	74.6	152.4	88.2	1090.2 X 457.7 X 866.7
PH13A730	A	X	0	0	944.6	1131.9	433.4	468.3	774.7	498.5	741.4	865.2	347.7	206.4	403.2	19.0	87.3	165.1	95.4	1282.7 X 520.7 X 1020.7
PH13A736	A	X	0	X	944.6	1131.9	433.4	468.3	774.7	498.5	741.4	865.2	347.7	206.4	403.2	19.0	87.3	165.1	115.9	1282.7 X 520.7 X 1020.7
PH13A748	A	X	0	X	1087.0	1131.9	433.4	468.3	774.7	498.5	893.8	1017.6	368.3	215.9	479.4	22.2	87.3	165.1	137.7	1282.7 X 520.7 X 1173.1
PH13A760	A	X	0	X	1097.0	1131.9	433.4	468.3	774.7	498.5	893.8	1017.6	368.3	215.9	479.4	22.2	87.3	165.1	150.4	1282.7 X 520.7 X 1173.1

X = YES  
0 = NO

460-3-60
208/230-3-60
230-1-60
208-230-1-60

- REQUIRED CLEARANCES: WITH COIL, FACING WALL: ALLOW 152.4 MIN CLEARANCE ON COIL SIDE AND 914.4 MIN CLEARANCE ON COMPRESSOR END AND FAN SIDE. WITH FAN, FACING WALL: ALLOW 203.2 MIN CLEARANCE ON FAN SIDE AND COIL END AND 914.4 MIN CLEARANCE ON COMPRESSOR END AND COIL SIDE. WITH MULTI UNIT APPLICATION: ARRANGE UNITS SO DISCHARGE OF ONE DOES NOT ENTER INLET OF ANOTHER.
- MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 12.8°C, MAX. 51.7°C.
- SERIES DESIGNATION IS THE 14TH POSITION OF THE UNIT MODEL NUMBER.
- CENTER OF GRAVITY
- ALL DIMENSIONS ARE IN "MM" UNLESS NOTED.



UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18, 24	584.2 X 1066.8
30, 36, 48, 60	609.6 X 1270.0

PA13NAZ

# COMBINATION RATINGS

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3092606	PH13NAZ18-A	†PF4MNA019		17,800	11.0	13.0	18,000	3.60	7.8	10,100	2.32
3092607	PH13NAZ18-A	CAP**1814A**	PG8*EA024045	17,800	11.0	13.0	18,000	3.46	7.7	10,000	2.30
3092608	PH13NAZ18-A	CAP**2414A**	PG8*EA024045	18,000	11.0	13.5	18,000	3.66	8.0	10,100	2.36
3095636	PH13NAZ18-A	CAP**2417A**	PG9MXA036060	18,000	11.0	13.5	18,000	3.72	8.0	10,000	2.40
3092611	PH13NAZ18-A	CNPH*2417A**	PG8*EA024045	18,000	11.0	13.5	18,000	3.70	8.0	10,100	2.36
3092612	PH13NAZ18-A	CNPH*2417A**	PG9MTAV36050*A**	18,000	11.0	13.0	18,000	3.78	8.0	10,300	2.38
3092613	PH13NAZ18-A	CNPH*2417A**	PG9MTAV36075*A**	18,000	11.0	13.0	18,000	3.78	8.0	10,300	2.38
3095508	PH13NAZ18-A	CNPH*2417A**	PG9MXA036060	18,000	11.0	13.5	18,000	3.72	8.0	10,000	2.38
3092609	PH13NAZ18-A	CNPV*1814A**	PG8*EA024045	17,800	11.0	13.0	18,000	3.58	7.8	10,000	2.32
3092610	PH13NAZ18-A	CNPV*2414A**	PG8*EA024045	18,000	11.0	13.5	18,000	3.70	8.0	10,100	2.36
3095637	PH13NAZ18-A	CNPV*2417A**	PG9MXA036060	18,000	11.0	13.5	18,000	3.72	8.0	10,000	2.38
3092614	PH13NAZ18-A	CSPH*2412A**	PG8*EA024045	18,000	11.0	13.5	18,000	3.66	8.0	10,100	2.36
3092615	PH13NAZ18-A	CSPH*2412A**	PG9MTAV36050*A**	18,000	11.0	13.0	18,000	3.80	8.0	10,300	2.38
3092616	PH13NAZ18-A	CSPH*2412A**	PG9MTAV36075*A**	18,000	11.0	13.0	18,000	3.78	8.0	10,300	2.38
3095509	PH13NAZ18-A	CSPH*2412A**	PG9MXA036060	18,000	11.0	13.5	18,000	3.64	8.0	9,900	2.36
3092617	PH13NAZ18-A	PF4MNA025		18,000	11.0	13.5	18,000	3.64	8.0	10,100	2.36
3092618	PH13NAZ24-A	†PF4MNA024		23,000	10.5	13.0	23,400	3.68	8.0	14,600	2.42
3092620	PH13NAZ24-A	CAP**2414A**	PG8*EA024045	23,000	11.5	14.0	23,400	3.88	8.2	14,100	2.56
3092619	PH13NAZ24-A	CAP**2414A**+TDR		23,000	11.0	13.0	23,400	3.74	8.0	14,700	2.44
3095638	PH13NAZ24-A	CAP**2417A**	PG9MXA036060	23,000	11.5	14.0	23,400	4.06	8.2	14,100	2.64
3095639	PH13NAZ24-A	CAP**2417A**	PG9MXA036080	23,000	11.5	14.0	23,400	4.00	8.2	14,000	2.62
3092621	PH13NAZ24-A	CAP**2417A**+TDR		23,000	11.0	13.0	23,400	3.74	8.2	14,700	2.44
3092623	PH13NAZ24-A	CAP**3014A**	PG8*EA024045	23,400	12.0	14.5	23,600	3.92	8.2	14,100	2.60
3092622	PH13NAZ24-A	CAP**3014A**+TDR		23,400	11.0	13.0	23,600	3.76	8.0	14,700	2.46
3095510	PH13NAZ24-A	CAP**3017A**	PG9MXA036060	23,400	12.0	14.5	23,600	4.10	8.2	14,100	2.68
3095511	PH13NAZ24-A	CAP**3017A**	PG9MXA036080	23,400	12.0	14.5	23,600	4.04	8.2	14,100	2.66
3092624	PH13NAZ24-A	CAP**3017A**+TDR		23,400	11.0	13.0	23,600	3.76	8.0	14,700	2.46
3092643	PH13NAZ24-A	CNPF*2418A**+TDR		23,000	11.0	13.0	23,400	3.82	8.0	14,700	2.46
3092632	PH13NAZ24-A	CNPH*2417A**	PG8*EA024045	23,000	11.5	14.0	23,400	3.92	8.2	14,100	2.56
3092633	PH13NAZ24-A	CNPH*2417A**	PG9MTAV36050*A**	23,000	11.5	14.0	23,400	3.88	8.2	14,200	2.54
3092634	PH13NAZ24-A	CNPH*2417A**	PG9MTAV36075*A**	23,000	11.5	14.0	23,400	3.90	8.2	14,200	2.54
3092635	PH13NAZ24-A	CNPH*2417A**	PG9MTAV60100*A**	23,000	11.5	14.0	23,400	4.00	8.2	14,300	2.60
3092636	PH13NAZ24-A	CNPH*2417A**	PG9MTAV60125*A**	23,000	11.5	14.0	23,400	4.06	9.0	14,200	2.62
3095514	PH13NAZ24-A	CNPH*2417A**	PG9MXA036060	23,000	11.5	14.0	23,400	4.04	8.2	14,100	2.62
3095515	PH13NAZ24-A	CNPH*2417A**	PG9MXA036080	23,000	11.5	14.0	23,400	4.00	8.2	14,000	2.62
3092631	PH13NAZ24-A	CNPH*2417A**+TDR		23,000	11.0	13.0	23,400	3.82	8.0	14,700	2.46
3092638	PH13NAZ24-A	CNPH*3017A**	PG8*EA024045	23,400	12.0	14.5	23,600	3.96	8.2	14,100	2.60
3092639	PH13NAZ24-A	CNPH*3017A**	PG9MTAV36050*A**	23,400	12.0	14.5	23,600	3.94	8.2	14,200	2.58
3092640	PH13NAZ24-A	CNPH*3017A**	PG9MTAV36075*A**	23,400	12.0	14.5	23,600	3.96	8.2	14,300	2.60
3092641	PH13NAZ24-A	CNPH*3017A**	PG9MTAV60100*A**	23,400	12.0	14.5	23,600	4.08	8.2	14,300	2.66
3092642	PH13NAZ24-A	CNPH*3017A**	PG9MTAV60125*A**	23,400	12.0	14.5	23,600	4.12	8.2	14,300	2.68
3095516	PH13NAZ24-A	CNPH*3017A**	PG9MXA036060	23,400	12.0	14.5	23,600	4.10	8.2	14,100	2.68
3095517	PH13NAZ24-A	CNPH*3017A**	PG9MXA036080	23,400	12.0	14.5	23,600	4.06	8.2	14,100	2.66
3092637	PH13NAZ24-A	CNPH*3017A**+TDR		23,400	11.0	13.0	23,600	3.78	8.0	14,700	2.46
3092626	PH13NAZ24-A	CNPV*2414A**	PG8*EA024045	23,000	11.5	14.0	23,400	3.92	8.2	14,100	2.56
3092625	PH13NAZ24-A	CNPV*2414A**+TDR		23,000	11.0	13.0	23,400	3.82	8.0	14,700	2.46
3095640	PH13NAZ24-A	CNPV*2417A**	PG9MXA036060	23,000	11.5	14.0	23,400	4.04	8.2	14,100	2.62
3095641	PH13NAZ24-A	CNPV*2417A**	PG9MXA036080	23,000	11.5	14.0	23,400	4.00	8.2	14,000	2.62
3092627	PH13NAZ24-A	CNPV*2417A**+TDR		23,000	11.0	13.0	23,400	3.82	8.0	14,700	2.46
3092629	PH13NAZ24-A	CNPV*3014A**	PG8*EA024045	23,400	12.0	14.5	23,600	3.90	8.2	14,100	2.58
3092628	PH13NAZ24-A	CNPV*3014A**+TDR		23,400	11.0	13.0	23,600	3.78	8.0	14,700	2.46
3095512	PH13NAZ24-A	CNPV*3017A**	PG9MXA036060	23,400	12.0	14.5	23,600	4.10	8.2	14,100	2.68
3095513	PH13NAZ24-A	CNPV*3017A**	PG9MXA036080	23,400	12.0	14.5	23,600	4.06	8.2	14,100	2.66
3092630	PH13NAZ24-A	CNPV*3017A**+TDR		23,400	11.0	13.0	23,600	3.78	8.2	14,700	2.46
3092645	PH13NAZ24-A	CSPH*2412A**	PG8*EA024045	23,000	11.5	14.0	23,400	3.92	8.2	14,100	2.58
3092646	PH13NAZ24-A	CSPH*2412A**	PG9MTAV36050*A**	23,000	11.5	14.0	23,400	3.88	8.2	14,200	2.54
3092647	PH13NAZ24-A	CSPH*2412A**	PG9MTAV36075*A**	23,000	11.5	14.0	23,400	3.88	8.2	14,200	2.54
3092648	PH13NAZ24-A	CSPH*2412A**	PG9MTAV60100*A**	23,000	11.5	14.0	23,400	4.00	8.2	14,300	2.60
3092649	PH13NAZ24-A	CSPH*2412A**	PG9MTAV60125*A**	23,000	11.5	14.0	23,400	4.06	8.2	14,300	2.62
3095518	PH13NAZ24-A	CSPH*2412A**	PG9MXA036060	23,000	11.5	14.0	23,400	4.04	8.2	14,100	2.62
3095519	PH13NAZ24-A	CSPH*2412A**	PG9MXA036080	23,000	11.5	14.0	23,400	4.00	8.2	14,000	2.62
3092644	PH13NAZ24-A	CSPH*2412A**+TDR		23,000	11.0	13.0	23,400	3.86	8.0	14,700	2.48
3092651	PH13NAZ24-A	CSPH*3012A**	PG8*EA024045	23,400	12.0	14.5	23,600	3.94	8.2	14,100	2.60
3092652	PH13NAZ24-A	CSPH*3012A**	PG9MTAV36050*A**	23,400	12.0	14.5	23,600	3.92	8.2	14,200	2.58
3092653	PH13NAZ24-A	CSPH*3012A**	PG9MTAV36075*A**	23,400	12.0	14.5	23,600	3.94	8.2	14,200	2.58
3092654	PH13NAZ24-A	CSPH*3012A**	PG9MTAV60100*A**	23,400	12.0	14.5	23,600	4.06	8.2	14,300	2.64
3092655	PH13NAZ24-A	CSPH*3012A**	PG9MTAV60125*A**	23,400	12.0	14.5	23,600	4.10	8.2	14,300	2.66
3095520	PH13NAZ24-A	CSPH*3012A**	PG9MXA036060	23,400	12.0	14.5	23,600	4.08	8.2	14,100	2.66
3095521	PH13NAZ24-A	CSPH*3012A**	PG9MXA036080	23,400	12.0	14.5	23,600	4.02	8.2	14,100	2.64
3092650	PH13NAZ24-A	CSPH*3012A**+TDR		23,400	11.0	13.0	23,600	3.80	8.0	14,700	2.48
3092659	PH13NAZ24-A	FF1ENP024		23,000	11.0	13.0	23,400	3.68	8.0	14,700	2.42
3092660	PH13NAZ24-A	FF1ENP030		23,400	10.5	13.0	23,600	3.70	8.0	14,600	2.42
3092657	PH13NAZ24-A	PF4MNA025		23,000	11.5	14.0	23,400	3.90	8.2	14,200	2.56
3092656	PH13NAZ24-A	PF4MNA030		23,400	11.0	13.0	23,600	3.78	8.0	14,600	2.46
3092658	PH13NAZ24-A	PF4MNA031		23,400	12.0	14.5	23,600	4.04	8.2	14,200	2.62
3092661	PH13NAZ30-A	†PF4MNA030		27,600	11.0	13.0	28,400	3.76	7.8	17,400	2.32
3092662	PH13NAZ30-A	CAP**3014A**+TDR		27,600	11.0	13.0	28,400	3.76	8.0	17,500	2.32
3092664	PH13NAZ30-A	CAP**3017A**	PG8*EA048070	27,600	11.5	14.0	28,400	3.88	8.2	16,800	2.42
3095522	PH13NAZ30-A	CAP**3017A**	PG9MXA036060	27,600	11.5	14.0	28,200	3.98	8.2	16,800	2.46
3095523	PH13NAZ30-A	CAP**3017A**	PG9MXA036080	27,600	11.5	14.0	28,200	3.94	8.2	16,700	2.46
3095524	PH13NAZ30-A	CAP**3017A**	PG9MXA048080	27,600	11.5	14.0	28,200	3.98	8.2	16,900	2.46
3092663	PH13NAZ30-A	CAP**3017A**+TDR		27,600	11.0	13.0	28,400	3.76	8.0	17,500	2.32
3092665	PH13NAZ30-A	CAP**3614A**+TDR		27,800	11.0	13.0	28,600	3.78	8.0	17,500	2.34
3092667	PH13NAZ30-A	CAP**3617A**	PG8*EA048070	27,800	11.5	14.0	28,400	3.92	8.2	16,900	2.42
3095525	PH13NAZ30-A	CAP**3617A**	PG9MXA036060	27,800	12.0	14.5	28,400	4.02	8.2	16,800	2.48

PH13NAZ

See notes on page 16

# COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3095526	PH13NAZ30-A	CAP**3617A**	PG9MXA036080	27,800	12.0	14.5	28,200	4.00	8.2	16,700	2.48
3095527	PH13NAZ30-A	CAP**3617A**	PG9MXA048080	27,800	12.0	14.5	28,400	4.02	8.2	16,900	2.48
3092666	PH13NAZ30-A	CAP**3617A**+TDR		27,800	11.0	13.0	28,600	3.78	8.0	17,500	2.34
3092671	PH13NAZ30-A	CAP**3619A**	PG9MTAV36050*A**	27,800	11.5	14.0	28,400	3.84	8.2	17,000	2.38
3092672	PH13NAZ30-A	CAP**3619A**	PG9MTAV36075*A**	27,800	11.5	14.0	28,600	3.88	8.2	17,000	2.40
3092670	PH13NAZ30-A	CAP**3619A**+TDR		27,800	11.0	13.0	28,600	3.78	8.0	17,500	2.34
3092669	PH13NAZ30-A	CAP**3621A**	PG8*EA048090	27,800	12.0	14.5	28,400	4.00	8.2	16,800	2.48
3092668	PH13NAZ30-A	CAP**3621A**+TDR		27,800	11.0	13.0	28,600	3.78	8.2	17,500	2.34
3092694	PH13NAZ30-A	CNPF*3618A**+TDR		27,800	11.0	13.0	28,600	3.78	8.0	17,500	2.34
3092681	PH13NAZ30-A	CNPH*3017A**	PG8*EA048070	27,600	11.5	14.0	28,400	3.88	8.2	16,800	2.42
3092682	PH13NAZ30-A	CNPH*3017A**	PG8*EA048090	27,600	11.5	14.0	28,200	3.90	8.2	16,800	2.44
3092683	PH13NAZ30-A	CNPH*3017A**	PG9MTAV36050*A**	27,600	11.5	14.0	28,400	3.80	8.2	16,900	2.38
3092684	PH13NAZ30-A	CNPH*3017A**	PG9MTAV36075*A**	27,600	11.5	14.0	28,400	3.82	8.2	17,000	2.38
3092685	PH13NAZ30-A	CNPH*3017A**	PG9MTAV60100*A**	27,600	11.5	14.0	28,400	3.92	8.2	16,900	2.44
3092686	PH13NAZ30-A	CNPH*3017A**	PG9MTAV60125*A**	27,600	11.5	14.0	28,200	3.94	8.2	16,800	2.44
3095534	PH13NAZ30-A	CNPH*3017A**	PG9MXA036060	27,600	11.5	14.0	28,200	3.96	8.2	16,800	2.46
3095535	PH13NAZ30-A	CNPH*3017A**	PG9MXA036080	27,600	11.5	14.0	28,200	3.96	8.2	16,700	2.46
3095536	PH13NAZ30-A	CNPH*3017A**	PG9MXA048080	27,600	11.5	14.0	28,200	3.98	8.2	16,900	2.46
3092680	PH13NAZ30-A	CNPH*3017A**+TDR		27,600	11.0	13.0	28,400	3.78	8.0	17,500	2.34
3092688	PH13NAZ30-A	CNPH*3617A**	PG8*EA048070	27,800	11.5	14.0	28,400	3.88	8.2	16,800	2.42
3092689	PH13NAZ30-A	CNPH*3617A**	PG8*EA048090	27,800	12.0	14.5	28,200	3.90	8.2	16,800	2.44
3092690	PH13NAZ30-A	CNPH*3617A**	PG9MTAV36050*A**	27,800	11.5	14.0	28,400	3.80	8.2	16,900	2.38
3092691	PH13NAZ30-A	CNPH*3617A**	PG9MTAV36075*A**	27,800	11.5	14.0	28,400	3.82	8.2	17,000	2.38
3092692	PH13NAZ30-A	CNPH*3617A**	PG9MTAV60100*A**	27,800	11.5	14.0	28,400	3.92	8.2	16,900	2.44
3092693	PH13NAZ30-A	CNPH*3617A**	PG9MTAV60125*A**	27,800	12.0	14.5	28,200	3.94	8.2	16,800	2.44
3095537	PH13NAZ30-A	CNPH*3617A**	PG9MXA036060	27,800	12.0	14.5	28,400	3.96	8.2	16,800	2.46
3095538	PH13NAZ30-A	CNPH*3617A**	PG9MXA036080	27,800	12.0	14.5	28,200	3.96	8.2	16,700	2.46
3095539	PH13NAZ30-A	CNPH*3617A**	PG9MXA048080	27,800	12.0	14.5	28,400	3.98	8.2	16,900	2.46
3092687	PH13NAZ30-A	CNPH*3617A**+TDR		27,800	11.0	13.0	28,600	3.78	8.0	17,500	2.34
3092673	PH13NAZ30-A	CNPV*3014A**+TDR		27,600	11.0	13.0	28,400	3.78	8.0	17,500	2.34
3092675	PH13NAZ30-A	CNPV*3017A**	PG8*EA048070	27,600	11.5	14.0	28,400	3.88	8.2	16,800	2.42
3095528	PH13NAZ30-A	CNPV*3017A**	PG9MXA036060	27,600	11.5	14.0	28,200	3.96	8.2	16,800	2.46
3095529	PH13NAZ30-A	CNPV*3017A**	PG9MXA036080	27,600	11.5	14.0	28,200	3.96	8.2	16,700	2.46
3095530	PH13NAZ30-A	CNPV*3017A**	PG9MXA048080	27,600	11.5	14.0	28,200	3.98	8.2	16,900	2.46
3092674	PH13NAZ30-A	CNPV*3017A**+TDR		27,600	11.0	13.0	28,400	3.78	8.2	17,500	2.34
3092677	PH13NAZ30-A	CNPV*3617A**	PG8*EA048070	27,800	11.5	14.0	28,400	3.88	8.2	16,800	2.42
3095531	PH13NAZ30-A	CNPV*3617A**	PG9MXA036060	27,800	12.0	14.5	28,400	3.96	8.2	16,800	2.46
3095532	PH13NAZ30-A	CNPV*3617A**	PG9MXA036080	27,800	12.0	14.5	28,200	3.96	8.2	16,700	2.46
3095533	PH13NAZ30-A	CNPV*3617A**	PG9MXA048080	27,800	12.0	14.5	28,400	3.98	8.2	16,900	2.46
3092676	PH13NAZ30-A	CNPV*3617A**+TDR		27,800	11.0	13.0	28,600	3.78	8.0	17,500	2.34
3092679	PH13NAZ30-A	CNPV*3621A**	PG8*EA048090	27,800	12.0	14.5	28,200	3.92	8.2	16,800	2.44
3092678	PH13NAZ30-A	CNPV*3621A**+TDR		27,800	11.0	13.0	28,600	3.78	8.0	17,500	2.34
3092696	PH13NAZ30-A	CSPH*3012A**	PG8*EA048070	27,600	11.5	14.0	28,400	3.86	8.2	16,900	2.40
3092697	PH13NAZ30-A	CSPH*3012A**	PG8*EA048090	27,600	11.5	14.0	28,200	3.90	8.2	16,700	2.42
3092698	PH13NAZ30-A	CSPH*3012A**	PG9MTAV36050*A**	27,600	11.5	14.0	28,400	3.80	8.2	16,900	2.38
3092699	PH13NAZ30-A	CSPH*3012A**	PG9MTAV36075*A**	27,600	11.5	14.0	28,400	3.82	8.2	17,000	2.38
3092700	PH13NAZ30-A	CSPH*3012A**	PG9MTAV60100*A**	27,600	11.5	14.0	28,400	3.90	8.2	16,900	2.42
3092701	PH13NAZ30-A	CSPH*3012A**	PG9MTAV60125*A**	27,600	11.5	14.0	28,200	3.92	8.2	16,800	2.44
3095540	PH13NAZ30-A	CSPH*3012A**	PG9MXA036060	27,600	11.5	14.0	28,200	3.96	8.2	16,800	2.46
3095541	PH13NAZ30-A	CSPH*3012A**	PG9MXA036080	27,600	11.5	14.0	28,200	3.94	8.2	16,700	2.46
3095542	PH13NAZ30-A	CSPH*3012A**	PG9MXA048080	27,600	11.5	14.0	28,200	3.98	8.2	16,900	2.46
3092695	PH13NAZ30-A	CSPH*3012A**+TDR		27,600	11.0	13.0	28,400	3.80	8.0	17,500	2.34
3092703	PH13NAZ30-A	CSPH*3612A**	PG8*EA048070	27,800	12.0	14.5	28,600	4.02	8.2	17,000	2.46
3092704	PH13NAZ30-A	CSPH*3612A**	PG8*EA048090	27,800	12.0	14.5	28,600	4.08	8.2	16,900	2.50
3092705	PH13NAZ30-A	CSPH*3612A**	PG9MTAV36050*A**	27,800	11.5	14.0	28,600	3.96	8.2	17,100	2.44
3092706	PH13NAZ30-A	CSPH*3612A**	PG9MTAV36075*A**	27,800	11.5	14.0	28,600	4.00	8.2	17,100	2.44
3092707	PH13NAZ30-A	CSPH*3612A**	PG9MTAV60100*A**	27,800	12.0	14.5	28,600	4.12	8.2	17,000	2.50
3092708	PH13NAZ30-A	CSPH*3612A**	PG9MTAV60125*A**	27,800	12.0	14.5	28,600	4.12	8.2	16,900	2.52
3095543	PH13NAZ30-A	CSPH*3612A**	PG9MXA036060	27,800	12.0	14.5	28,400	4.14	8.2	16,900	2.52
3095544	PH13NAZ30-A	CSPH*3612A**	PG9MXA036080	27,800	12.0	14.5	28,400	4.12	8.2	16,800	2.52
3095545	PH13NAZ30-A	CSPH*3612A**	PG9MXA048080	27,800	12.0	14.5	28,400	4.16	8.2	17,000	2.52
3092702	PH13NAZ30-A	CSPH*3612A**+TDR		27,800	11.0	13.0	28,600	3.92	8.0	17,600	2.38
3092712	PH13NAZ30-A	FF1ENP030		27,400	11.0	13.0	28,600	3.72	8.0	17,300	2.30
3092713	PH13NAZ30-A	FF1ENP036		27,800	11.0	13.0	28,600	3.78	8.0	17,400	2.34
3092710	PH13NAZ30-A	PF4MNA031		27,600	11.5	14.0	28,400	3.96	8.2	17,000	2.44
3092709	PH13NAZ30-A	PF4MNA036		27,800	11.0	13.0	28,600	3.76	8.0	17,500	2.32
3092711	PH13NAZ30-A	PF4MNA037		27,800	11.5	14.0	28,600	3.94	8.2	17,100	2.42
3092714	PH13NAZ36-A	HPF4MNA036		34,000	11.0	13.0	34,200	3.60	7.8	20,200	2.26
3092716	PH13NAZ36-A	CAP**3617A**	PG8*EA048070	33,800	11.5	14.0	33,400	3.66	7.8	19,500	2.34
3095546	PH13NAZ36-A	CAP**3617A**	PG9MXA036060	34,000	11.5	14.0	33,400	3.76	7.8	19,400	2.40
3095547	PH13NAZ36-A	CAP**3617A**	PG9MXA036080	34,000	11.5	14.0	33,200	3.74	7.8	19,400	2.38
3095548	PH13NAZ36-A	CAP**3617A**	PG9MXA048080	34,000	11.5	14.0	33,400	3.76	7.8	19,400	2.40
3092715	PH13NAZ36-A	CAP**3617A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.30
3092726	PH13NAZ36-A	CAP**3619A**	PG9MTAV36075*A**	33,800	11.5	14.0	33,600	3.62	7.7	19,700	2.32
3092725	PH13NAZ36-A	CAP**3619A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.30
3092718	PH13NAZ36-A	CAP**3621A**	PG8*EA048090	34,000	11.5	14.0	33,400	3.80	8.0	19,400	2.42
3092719	PH13NAZ36-A	CAP**3621A**	PG8*EA060110	34,000	11.5	14.0	33,400	3.84	8.0	19,400	2.44
3095549	PH13NAZ36-A	CAP**3621A**	PG9MXA060100	34,000	11.5	14.0	33,200	3.78	8.0	19,200	2.42
3092717	PH13NAZ36-A	CAP**3621A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.30
3092721	PH13NAZ36-A	CAP**4221A**	PG8*EA048090	34,200	12.0	14.5	33,400	3.86	8.0	19,400	2.44
3092722	PH13NAZ36-A	CAP**4221A**	PG8*EA060110	34,200	12.0	14.5	33,600	3.88	8.0	19,400	2.46
3095550	PH13NAZ36-A	CAP**4221A**	PG9MXA060100	34,400	12.0	14.5	33,200	3.84	8.0	19,200	2.44
3092720	PH13NAZ36-A	CAP**4221A**+TDR		34,200	11.0	13.0	34,400	3.68	7.8	20,200	2.30
3092724	PH13NAZ36-A	CAP**4224A**	PG9MTAV60125*A**	34,200	12.0	14.5	33,800	3.90	8.2	19,700	2.46
3092723	PH13NAZ36-A	CAP**4224A**+TDR		34,200	11.0	13.0	34,400	3.68	7.8	20,200	2.30
3092750	PH13NAZ36-A	CNPF*3618A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.28

PH13NAZ

See notes on page 16

# COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3092736	PH13NAZ36-A	CNPH*3617A**	PG8*EA048070	33,800	11.5	14.0	33,400	3.62	7.7	19,500	2.32
3092737	PH13NAZ36-A	CNPH*3617A**	PG8*EA048090	33,800	11.5	14.0	33,200	3.72	7.8	19,300	2.38
3092738	PH13NAZ36-A	CNPH*3617A**	PG8*EA06110	33,800	11.5	14.0	33,200	3.74	7.8	19,300	2.40
3092739	PH13NAZ36-A	CNPH*3617A**	PG9MTAV60100*A**	33,800	11.5	14.0	33,600	3.70	7.8	19,600	2.36
3092740	PH13NAZ36-A	CNPH*3617A**	PG9MTAV60125*A**	33,800	11.5	14.0	33,600	3.74	7.8	19,600	2.38
3095556	PH13NAZ36-A	CNPH*3617A**	PG9MXA036060	34,000	11.5	14.0	33,200	3.70	7.8	19,400	2.38
3095557	PH13NAZ36-A	CNPH*3617A**	PG9MXA036080	34,000	11.5	14.0	33,200	3.70	7.8	19,300	2.38
3095558	PH13NAZ36-A	CNPH*3617A**	PG9MXA048080	34,000	11.5	14.0	33,400	3.70	7.8	19,400	2.38
3095559	PH13NAZ36-A	CNPH*3617A**	PG9MXA060100	34,000	11.5	14.0	33,000	3.68	7.8	19,100	2.38
3092735	PH13NAZ36-A	CNPH*3617A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.28
3092742	PH13NAZ36-A	CNPH*4221A**	PG8*EA024045	34,200	11.5	14.0	33,800	3.66	7.8	19,800	2.32
3092743	PH13NAZ36-A	CNPH*4221A**	PG8*EA048070	34,200	12.0	14.5	33,600	3.72	7.8	19,600	2.36
3092744	PH13NAZ36-A	CNPH*4221A**	PG8*EA048090	34,200	12.0	14.5	33,400	3.82	8.0	19,400	2.42
3092745	PH13NAZ36-A	CNPH*4221A**	PG8*EA060110	34,200	12.0	14.5	33,400	3.86	8.0	19,400	2.44
3092746	PH13NAZ36-A	CNPH*4221A**	PG9MTAV36050*A**	34,000	11.0	13.5	33,800	3.64	7.7	19,800	2.30
3092747	PH13NAZ36-A	CNPH*4221A**	PG9MTAV36075*A**	34,200	11.5	14.0	33,800	3.68	7.8	19,700	2.34
3092748	PH13NAZ36-A	CNPH*4221A**	PG9MTAV60100*A**	34,200	12.0	14.5	33,800	3.82	8.0	19,700	2.40
3092749	PH13NAZ36-A	CNPH*4221A**	PG9MTAV60125*A**	34,200	12.0	14.5	33,800	3.86	8.0	19,700	2.42
3095560	PH13NAZ36-A	CNPH*4221A**	PG9MXA036060	34,400	12.0	14.5	33,600	3.82	8.0	19,500	2.42
3095561	PH13NAZ36-A	CNPH*4221A**	PG9MXA036080	34,400	12.0	14.5	33,400	3.80	8.0	19,400	2.42
3095562	PH13NAZ36-A	CNPH*4221A**	PG9MXA048080	34,400	12.0	14.5	33,600	3.80	8.0	19,500	2.42
3095563	PH13NAZ36-A	CNPH*4221A**	PG9MXA060100	34,400	12.0	14.5	33,200	3.80	8.0	19,200	2.42
3092741	PH13NAZ36-A	CNPH*4221A**+TDR		34,200	11.0	13.0	34,400	3.68	7.8	20,200	2.32
3092728	PH13NAZ36-A	CNPV*3617A**	PG8*EA048070	33,800	11.5	14.0	33,400	3.62	7.7	19,500	2.32
3095551	PH13NAZ36-A	CNPV*3617A**	PG9MXA036060	34,000	11.5	14.0	33,200	3.70	7.8	19,400	2.38
3095552	PH13NAZ36-A	CNPV*3617A**	PG9MXA036080	34,000	11.5	14.0	33,200	3.70	7.8	19,300	2.38
3095553	PH13NAZ36-A	CNPV*3617A**	PG9MXA048080	34,000	11.5	14.0	33,400	3.70	7.8	19,400	2.38
3092727	PH13NAZ36-A	CNPV*3617A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.28
3092730	PH13NAZ36-A	CNPV*3621A**	PG8*EA048090	34,000	11.5	14.0	33,200	3.72	7.8	19,300	2.38
3092731	PH13NAZ36-A	CNPV*3621A**	PG8*EA060110	34,000	11.5	14.0	33,200	3.76	7.8	19,300	2.40
3095554	PH13NAZ36-A	CNPV*3621A**	PG9MXA060100	34,000	11.5	14.0	33,000	3.70	7.8	19,100	2.38
3092729	PH13NAZ36-A	CNPV*3621A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.28
3095643	PH13NAZ36-A	CNPV*4217A**	PG8*EA048070	34,400	12.0	14.5	33,800	3.78	7.8	19,600	2.38
3095644	PH13NAZ36-A	CNPV*4217A**	PG9MXA036060	34,400	12.0	14.5	33,600	3.88	8.0	19,600	2.44
3095645	PH13NAZ36-A	CNPV*4217A**	PG9MXA036080	34,400	12.0	14.5	33,600	3.86	8.0	19,500	2.42
3095646	PH13NAZ36-A	CNPV*4217A**	PG9MXA048080	34,400	12.0	14.5	33,600	3.88	8.0	19,600	2.44
3095642	PH13NAZ36-A	CNPV*4217A**+TDR		34,200	11.0	13.0	34,400	3.74	7.8	20,400	2.34
3092733	PH13NAZ36-A	CNPV*4221A**	PG8*EA048090	34,200	12.0	14.5	33,400	3.82	8.0	19,400	2.42
3092734	PH13NAZ36-A	CNPV*4221A**	PG8*EA060110	34,200	12.0	14.5	33,400	3.86	8.0	19,400	2.44
3095555	PH13NAZ36-A	CNPV*4221A**	PG9MXA060100	34,400	12.0	14.5	33,200	3.80	8.0	19,200	2.42
3092732	PH13NAZ36-A	CNPV*4221A**+TDR		34,200	11.0	13.0	34,400	3.68	7.8	20,200	2.32
3092752	PH13NAZ36-A	CSPH*3612A**	PG8*EA024045	34,000	11.5	14.0	34,000	3.74	7.8	19,900	2.34
3092753	PH13NAZ36-A	CSPH*3612A**	PG8*EA048070	34,000	11.5	14.0	33,800	3.78	8.0	19,700	2.38
3092754	PH13NAZ36-A	CSPH*3612A**	PG8*EA048090	34,000	11.5	14.0	33,600	3.90	8.2	19,500	2.46
3092755	PH13NAZ36-A	CSPH*3612A**	PG8*EA060110	34,000	11.5	14.0	33,600	3.94	8.2	19,500	2.46
3092756	PH13NAZ36-A	CSPH*3612A**	PG9MTAV36050*A**	34,000	11.5	14.0	34,000	3.72	7.8	19,900	2.34
3092757	PH13NAZ36-A	CSPH*3612A**	PG9MTAV36075*A**	34,000	11.5	14.0	34,000	3.76	7.8	19,800	2.36
3092758	PH13NAZ36-A	CSPH*3612A**	PG9MTAV60100*A**	34,000	11.5	14.0	34,000	3.90	8.2	19,800	2.44
3092759	PH13NAZ36-A	CSPH*3612A**	PG9MTAV60125*A**	34,000	11.5	14.0	34,000	3.94	8.2	19,700	2.46
3095564	PH13NAZ36-A	CSPH*3612A**	PG9MXA036060	34,000	11.5	14.0	33,800	3.90	8.0	19,600	2.44
3095565	PH13NAZ36-A	CSPH*3612A**	PG9MXA036080	34,000	11.5	14.0	33,600	3.88	8.0	19,500	2.44
3095566	PH13NAZ36-A	CSPH*3612A**	PG9MXA048080	34,000	11.5	14.0	33,800	3.90	8.0	19,600	2.44
3095567	PH13NAZ36-A	CSPH*3612A**	PG9MXA060100	34,000	11.5	14.0	33,400	3.88	8.0	19,300	2.44
3092751	PH13NAZ36-A	CSPH*3612A**+TDR		34,000	11.0	13.0	34,000	3.76	7.8	20,400	2.34
3092761	PH13NAZ36-A	CSPH*4212A**	PG8*EA024045	34,200	11.5	14.0	34,200	3.78	8.0	19,900	2.36
3092762	PH13NAZ36-A	CSPH*4212A**	PG8*EA048070	34,200	12.0	14.5	33,800	3.84	8.0	19,700	2.40
3092763	PH13NAZ36-A	CSPH*4212A**	PG8*EA048090	34,200	12.0	14.5	33,800	3.96	8.2	19,500	2.48
3092764	PH13NAZ36-A	CSPH*4212A**	PG8*EA060110	34,200	12.0	14.5	33,800	4.00	8.2	19,500	2.50
3092765	PH13NAZ36-A	CSPH*4212A**	PG9MTAV36050*A**	34,200	12.0	14.3	34,200	3.76	7.8	20,000	2.34
3092766	PH13NAZ36-A	CSPH*4212A**	PG9MTAV36075*A**	34,200	12.0	14.5	34,000	3.80	8.0	19,900	2.38
3092767	PH13NAZ36-A	CSPH*4212A**	PG9MTAV60100*A**	34,200	12.0	14.5	34,200	3.98	8.2	19,900	2.46
3092768	PH13NAZ36-A	CSPH*4212A**	PG9MTAV60125*A**	34,200	12.0	14.5	34,200	4.00	8.2	19,800	2.48
3095568	PH13NAZ36-A	CSPH*4212A**	PG9MXA036060	34,400	12.0	14.5	33,800	3.96	8.2	19,600	2.46
3095569	PH13NAZ36-A	CSPH*4212A**	PG9MXA036080	34,400	12.0	14.5	33,800	3.94	8.2	19,500	2.46
3095570	PH13NAZ36-A	CSPH*4212A**	PG9MXA048080	34,400	12.0	14.5	33,800	3.96	8.2	19,600	2.46
3095571	PH13NAZ36-A	CSPH*4212A**	PG9MXA060100	34,400	11.0	14.5	33,400	3.94	8.2	19,400	2.48
3092760	PH13NAZ36-A	CSPH*4212A**+TDR		34,200	11.0	13.0	34,400	3.80	8.0	20,400	2.36
3092770	PH13NAZ36-A	PF4MNA037		34,000	11.5	14.0	33,800	3.80	8.0	19,700	2.40
3092769	PH13NAZ36-A	PF4MNA042		34,200	11.0	13.0	34,200	3.70	7.8	20,400	2.30
3092771	PH13NAZ36-A	PF4MNA043		34,200	12.0	14.5	34,200	3.88	8.0	19,900	2.42
3092772	PH13PAZ36-A	1PF4MNA036		34,000	11.0	13.0	34,200	3.60	7.8	20,200	2.26
3092774	PH13PAZ36-A	CAP**3617A**	PG8*EA048070	33,800	11.5	14.0	33,400	3.66	7.8	19,500	2.34
3095836	PH13PAZ36-A	CAP**3617A**	PG9MXA036060	34,000	11.5	14.0	33,400	3.76	7.8	19,400	2.40
3095837	PH13PAZ36-A	CAP**3617A**	PG9MXA036080	34,000	11.5	14.0	33,200	3.74	7.8	19,400	2.38
3095838	PH13PAZ36-A	CAP**3617A**	PG9MXA048080	34,000	11.5	14.0	33,400	3.76	7.8	19,400	2.40
3092773	PH13PAZ36-A	CAP**3617A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.30
3092784	PH13PAZ36-A	CAP**3619A**	PG9MTAV36075*A**	33,800	11.5	14.0	33,600	3.62	7.7	19,700	2.32
3092783	PH13PAZ36-A	CAP**3619A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.30
3092776	PH13PAZ36-A	CAP**3621A**	PG8*EA048090	34,000	11.5	14.0	33,400	3.80	8.0	19,400	2.42
3092777	PH13PAZ36-A	CAP**3621A**	PG8*EA060110	34,000	11.5	14.0	33,400	3.84	8.0	19,400	2.44
3095839	PH13PAZ36-A	CAP**3621A**	PG9MXA060100	34,000	11.5	14.0	33,200	3.78	8.0	19,200	2.42
3092775	PH13PAZ36-A	CAP**3621A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.30
3092779	PH13PAZ36-A	CAP**4221A**	PG8*EA048090	34,200	12.0	14.5	33,400	3.86	8.0	19,400	2.44
3092780	PH13PAZ36-A	CAP**4221A**	PG8*EA060110	34,200	12.0	14.5	33,600	3.88	8.0	19,400	2.46
3095840	PH13PAZ36-A	CAP**4221A**	PG9MXA060100	34,400	12.0	14.5	33,200	3.84	8.0	19,200	2.44
3092778	PH13PAZ36-A	CAP**4221A**+TDR		34,200	11.0	13.0	34,400	3.68	7.8	20,200	2.30

See notes on page 16

# COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3092782	PH13PAZ36-A	CAP**4224A**	PG9MTAV60125*A**	34,200	12.0	14.5	33,800	3.90	8.2	19,700	2.46
3092781	PH13PAZ36-A	CAP**4224A**+TDR		34,200	11.0	13.0	34,400	3.68	7.8	20,200	2.30
3092808	PH13PAZ36-A	CNPF*3618A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.28
3092794	PH13PAZ36-A	CNPH*3617A**	PG8*EA048070	33,800	11.5	14.0	33,400	3.62	7.7	19,500	2.32
3092795	PH13PAZ36-A	CNPH*3617A**	PG8*EA048090	33,800	11.5	14.0	33,200	3.72	7.8	19,300	2.38
3092796	PH13PAZ36-A	CNPH*3617A**	PG8*EA060110	33,800	11.5	14.0	33,200	3.74	7.8	19,300	2.40
3092797	PH13PAZ36-A	CNPH*3617A**	PG9MTAV60100*A**	33,800	11.5	14.0	33,600	3.70	7.8	19,600	2.36
3092798	PH13PAZ36-A	CNPH*3617A**	PG9MTAV60125*A**	33,800	11.5	14.0	33,600	3.74	7.8	19,600	2.38
3095851	PH13PAZ36-A	CNPH*3617A**	PG9MXA036060	34,000	11.5	14.0	33,200	3.70	7.8	19,400	2.38
3095852	PH13PAZ36-A	CNPH*3617A**	PG9MXA036080	34,000	11.5	14.0	33,200	3.70	7.8	19,300	2.38
3095853	PH13PAZ36-A	CNPH*3617A**	PG9MXA048080	34,000	11.5	14.0	33,400	3.70	7.8	19,400	2.38
3095854	PH13PAZ36-A	CNPH*3617A**	PG9MXA060100	34,000	11.5	14.0	33,000	3.68	7.8	19,100	2.38
3092793	PH13PAZ36-A	CNPH*3617A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.28
3092800	PH13PAZ36-A	CNPH*4221A**	PG8*EA024045	34,200	11.5	14.0	33,800	3.66	7.8	19,800	2.32
3092801	PH13PAZ36-A	CNPH*4221A**	PG8*EA048070	34,200	12.0	14.5	33,600	3.72	7.8	19,600	2.36
3092802	PH13PAZ36-A	CNPH*4221A**	PG8*EA048090	34,200	12.0	14.5	33,400	3.82	8.0	19,400	2.42
3092803	PH13PAZ36-A	CNPH*4221A**	PG8*EA060110	34,200	12.0	14.5	33,400	3.86	8.0	19,400	2.44
3092804	PH13PAZ36-A	CNPH*4221A**	PG9MTAV36050*A**	34,000	11.0	13.5	33,800	3.64	7.7	19,800	2.30
3092805	PH13PAZ36-A	CNPH*4221A**	PG9MTAV36075*A**	34,200	11.5	14.0	33,800	3.68	7.8	19,700	2.34
3092806	PH13PAZ36-A	CNPH*4221A**	PG9MTAV60100*A**	34,200	12.0	14.5	33,800	3.82	8.0	19,700	2.40
3092807	PH13PAZ36-A	CNPH*4221A**	PG9MTAV60125*A**	34,200	12.0	14.5	33,800	3.82	8.0	19,700	2.42
3095855	PH13PAZ36-A	CNPH*4221A**	PG9MXA036060	34,400	12.0	14.5	33,600	3.82	8.0	19,500	2.42
3095856	PH13PAZ36-A	CNPH*4221A**	PG9MXA036080	34,400	12.0	14.5	33,400	3.80	8.0	19,400	2.42
3095857	PH13PAZ36-A	CNPH*4221A**	PG9MXA048080	34,400	12.0	14.5	33,600	3.80	8.0	19,500	2.42
3095858	PH13PAZ36-A	CNPH*4221A**	PG9MXA060100	34,400	12.0	14.5	33,200	3.80	8.0	19,200	2.42
3092799	PH13PAZ36-A	CNPH*4221A**+TDR		34,200	11.0	13.0	34,400	3.68	7.8	20,200	2.32
3092786	PH13PAZ36-A	CNPV*3617A**	PG8*EA048070	33,800	11.5	14.0	33,400	3.62	7.7	19,500	2.32
3095841	PH13PAZ36-A	CNPV*3617A**	PG9MXA036060	34,000	11.5	14.0	33,200	3.70	7.8	19,400	2.38
3095842	PH13PAZ36-A	CNPV*3617A**	PG9MXA036080	34,000	11.5	14.0	33,200	3.70	7.8	19,300	2.38
3095843	PH13PAZ36-A	CNPV*3617A**	PG9MXA048080	34,000	11.5	14.0	33,400	3.70	7.8	19,400	2.38
3092785	PH13PAZ36-A	CNPV*3617A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.28
3092788	PH13PAZ36-A	CNPV*3621A**	PG8*EA048090	34,000	11.5	14.0	33,200	3.72	7.8	19,300	2.38
3092789	PH13PAZ36-A	CNPV*3621A**	PG8*EA060110	34,000	11.5	14.0	33,200	3.76	7.8	19,300	2.40
3095844	PH13PAZ36-A	CNPV*3621A**	PG9MXA060100	34,000	11.5	14.0	33,000	3.70	7.8	19,100	2.38
3092787	PH13PAZ36-A	CNPV*3621A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.28
3095846	PH13PAZ36-A	CNPV*4217A**	PG8*EA048070	34,400	12.0	14.5	33,800	3.78	7.8	19,600	2.38
3095847	PH13PAZ36-A	CNPV*4217A**	PG9MXA036060	34,400	12.0	14.5	33,600	3.88	8.0	19,600	2.44
3095848	PH13PAZ36-A	CNPV*4217A**	PG9MXA036080	34,400	12.0	14.5	33,600	3.86	8.0	19,500	2.42
3095849	PH13PAZ36-A	CNPV*4217A**	PG9MXA048080	34,400	12.0	14.5	33,600	3.88	8.0	19,600	2.44
3095845	PH13PAZ36-A	CNPV*4217A**+TDR		34,200	11.0	13.0	34,400	3.74	7.8	20,400	2.34
3092791	PH13PAZ36-A	CNPV*4221A**	PG8*EA048090	34,200	12.0	14.5	33,400	3.82	8.0	19,400	2.42
3092792	PH13PAZ36-A	CNPV*4221A**	PG8*EA060110	34,200	12.0	14.5	33,400	3.86	8.0	19,400	2.44
3095850	PH13PAZ36-A	CNPV*4221A**	PG9MXA060100	34,400	12.0	14.5	33,200	3.80	8.0	19,200	2.42
3092790	PH13PAZ36-A	CNPV*4221A**+TDR		34,200	11.0	13.0	34,400	3.68	7.8	20,200	2.32
3092810	PH13PAZ36-A	CSPH*3612A**	PG8*EA024045	34,000	11.5	14.0	34,000	3.74	7.8	19,900	2.34
3092811	PH13PAZ36-A	CSPH*3612A**	PG8*EA048070	34,000	11.5	14.0	33,800	3.78	8.0	19,700	2.38
3092812	PH13PAZ36-A	CSPH*3612A**	PG8*EA048090	34,000	11.5	14.0	33,600	3.90	8.2	19,500	2.46
3092813	PH13PAZ36-A	CSPH*3612A**	PG8*EA060110	34,000	11.5	14.0	33,600	3.94	8.2	19,500	2.46
3092814	PH13PAZ36-A	CSPH*3612A**	PG9MTAV36050*A**	34,000	11.5	14.0	34,000	3.72	7.8	19,900	2.34
3092815	PH13PAZ36-A	CSPH*3612A**	PG9MTAV36075*A**	34,000	11.5	14.0	34,000	3.76	7.8	19,800	2.36
3092816	PH13PAZ36-A	CSPH*3612A**	PG9MTAV60100*A**	34,000	11.5	14.0	34,000	3.90	8.2	19,800	2.44
3092817	PH13PAZ36-A	CSPH*3612A**	PG9MTAV60125*A**	34,000	11.5	14.0	34,000	3.94	8.2	19,700	2.46
3095859	PH13PAZ36-A	CSPH*3612A**	PG9MXA036060	34,000	11.5	14.0	33,800	3.90	8.0	19,600	2.44
3095860	PH13PAZ36-A	CSPH*3612A**	PG9MXA036080	34,000	11.5	14.0	33,600	3.88	8.0	19,500	2.44
3095861	PH13PAZ36-A	CSPH*3612A**	PG9MXA048080	34,000	11.5	14.0	33,800	3.90	8.0	19,600	2.44
3095862	PH13PAZ36-A	CSPH*3612A**	PG9MXA060100	34,000	11.5	14.0	33,400	3.88	8.0	19,300	2.44
3092809	PH13PAZ36-A	CSPH*3612A**+TDR		34,000	11.0	13.0	34,000	3.76	7.8	20,400	2.34
3092819	PH13PAZ36-A	CSPH*4212A**	PG8*EA024045	34,200	11.5	14.0	34,200	3.78	8.0	19,900	2.36
3092820	PH13PAZ36-A	CSPH*4212A**	PG8*EA048070	34,200	12.0	14.5	33,800	3.84	8.0	19,700	2.40
3092821	PH13PAZ36-A	CSPH*4212A**	PG8*EA048090	34,200	12.0	14.5	33,800	3.96	8.2	19,500	2.48
3092822	PH13PAZ36-A	CSPH*4212A**	PG8*EA060110	34,200	12.0	14.5	33,800	4.00	8.2	19,500	2.50
3092823	PH13PAZ36-A	CSPH*4212A**	PG9MTAV36050*A**	34,200	12.0	14.3	34,200	3.76	7.8	20,000	2.34
3092824	PH13PAZ36-A	CSPH*4212A**	PG9MTAV36075*A**	34,200	12.0	14.5	34,000	3.80	8.0	19,900	2.38
3092825	PH13PAZ36-A	CSPH*4212A**	PG9MTAV60100*A**	34,200	12.0	14.5	34,200	3.98	8.2	19,900	2.46
3092826	PH13PAZ36-A	CSPH*4212A**	PG9MTAV60125*A**	34,200	12.0	14.5	34,200	4.00	8.2	19,800	2.48
3095863	PH13PAZ36-A	CSPH*4212A**	PG9MXA036060	34,400	12.0	14.5	33,800	3.96	8.2	19,600	2.46
3095864	PH13PAZ36-A	CSPH*4212A**	PG9MXA036080	34,400	12.0	14.5	33,800	3.94	8.2	19,500	2.46
3095865	PH13PAZ36-A	CSPH*4212A**	PG9MXA048080	34,400	12.0	14.5	33,800	3.96	8.2	19,600	2.46
3095866	PH13PAZ36-A	CSPH*4212A**	PG9MXA060100	34,400	11.0	14.5	33,400	3.94	8.2	19,400	2.48
3092818	PH13PAZ36-A	CSPH*4212A**+TDR		34,200	11.0	13.0	34,400	3.80	8.0	20,400	2.36
3092828	PH13PAZ36-A	PF4MNA037		34,000	11.5	14.0	33,800	3.80	8.0	19,700	2.40
3092827	PH13PAZ36-A	PF4MNA042		34,200	11.0	13.0	34,200	3.70	7.8	20,400	2.30
3092829	PH13PAZ36-A	PF4MNA043		34,200	12.0	14.5	34,200	3.88	8.0	19,900	2.42
3092830	PH13EAZ36-A	1PF4MNA036		34,000	11.0	13.0	34,200	3.60	7.8	20,200	2.26
3092832	PH13EAZ36-A	CAP**3617A**	PG8*EA048070	33,800	11.5	14.0	33,400	3.66	7.8	19,500	2.34
3095773	PH13EAZ36-A	CAP**3617A**	PG9MXA036060	34,000	11.5	14.0	33,400	3.76	7.8	19,400	2.40
3095774	PH13EAZ36-A	CAP**3617A**	PG9MXA036080	34,000	11.5	14.0	33,200	3.74	7.8	19,400	2.38
3095775	PH13EAZ36-A	CAP**3617A**	PG9MXA048080	34,000	11.5	14.0	33,400	3.76	7.8	19,400	2.40
3092831	PH13EAZ36-A	CAP**3617A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.30
3092842	PH13EAZ36-A	CAP**3619A**	PG9MTAV36075*A**	33,800	11.5	14.0	33,600	3.62	7.7	19,700	2.32
3092841	PH13EAZ36-A	CAP**3619A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.30
3092834	PH13EAZ36-A	CAP**3621A**	PG8*EA048090	34,000	11.5	14.0	33,400	3.80	8.0	19,400	2.42
3092835	PH13EAZ36-A	CAP**3621A**	PG8*EA060110	34,000	11.5	14.0	33,400	3.84	8.0	19,400	2.44
3095776	PH13EAZ36-A	CAP**3621A**	PG9MXA060100	34,000	11.5	14.0	33,200	3.78	8.0	19,200	2.42
3092833	PH13EAZ36-A	CAP**3621A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.30
3092837	PH13EAZ36-A	CAP**4221A**	PG8*EA048090	34,200	12.0	14.5	33,400	3.86	8.0	19,400	2.44

PH13NAZ

See notes on page 16

# COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3092838	PH13EAZ36-A	CAP**4221A**	PG8*EA060110	34,200	12.0	14.5	33,600	3.88	8.0	19,400	2.46
3095777	PH13EAZ36-A	CAP**4221A**	PG9MXA060100	34,400	12.0	14.5	33,200	3.84	8.0	19,200	2.44
3092836	PH13EAZ36-A	CAP**4221A**+TDR		34,200	11.0	13.0	34,400	3.68	7.8	20,200	2.30
3092840	PH13EAZ36-A	CAP**4224A**	PG9MTAV60125*A**	34,200	12.0	14.5	33,800	3.90	8.2	19,700	2.46
3092839	PH13EAZ36-A	CAP**4224A**+TDR		34,200	11.0	13.0	34,400	3.68	7.8	20,200	2.30
3092866	PH13EAZ36-A	CNPF*3618A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.28
3092852	PH13EAZ36-A	CNPH*3617A**	PG8*EA048070	33,800	11.5	14.0	33,400	3.62	7.7	19,500	2.32
3092853	PH13EAZ36-A	CNPH*3617A**	PG8*EA048090	33,800	11.5	14.0	33,200	3.72	7.8	19,300	2.38
3092854	PH13EAZ36-A	CNPH*3617A**	PG8*EA060110	33,800	11.5	14.0	33,200	3.74	7.8	19,300	2.40
3092855	PH13EAZ36-A	CNPH*3617A**	PG9MTAV60100*A**	33,800	11.5	14.0	33,600	3.70	7.8	19,600	2.36
3092856	PH13EAZ36-A	CNPH*3617A**	PG9MTAV60125*A**	33,800	11.5	14.0	33,600	3.74	7.8	19,600	2.38
3095788	PH13EAZ36-A	CNPH*3617A**	PG9MXA036060	34,000	11.5	14.0	33,200	3.70	7.8	19,400	2.38
3095789	PH13EAZ36-A	CNPH*3617A**	PG9MXA036080	34,000	11.5	14.0	33,200	3.70	7.8	19,300	2.38
3095790	PH13EAZ36-A	CNPH*3617A**	PG9MXA048080	34,000	11.5	14.0	33,400	3.70	7.8	19,400	2.38
3095791	PH13EAZ36-A	CNPH*3617A**	PG9MXA060100	34,000	11.5	14.0	33,000	3.68	7.8	19,100	2.38
3092851	PH13EAZ36-A	CNPH*3617A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.28
3092858	PH13EAZ36-A	CNPH*4221A**	PG8*EA024045	34,200	11.5	14.0	33,800	3.66	7.8	19,800	2.32
3092859	PH13EAZ36-A	CNPH*4221A**	PG8*EA048070	34,200	12.0	14.5	33,600	3.72	7.8	19,600	2.36
3092860	PH13EAZ36-A	CNPH*4221A**	PG8*EA048090	34,200	12.0	14.5	33,400	3.82	8.0	19,400	2.42
3092861	PH13EAZ36-A	CNPH*4221A**	PG8*EA060110	34,200	12.0	14.5	33,400	3.86	8.0	19,400	2.44
3092862	PH13EAZ36-A	CNPH*4221A**	PG9MTAV36050*A**	34,000	11.0	13.5	33,800	3.64	7.7	19,800	2.30
3092863	PH13EAZ36-A	CNPH*4221A**	PG9MTAV36075*A**	34,200	11.5	14.0	33,800	3.68	7.8	19,700	2.34
3092864	PH13EAZ36-A	CNPH*4221A**	PG9MTAV60100*A**	34,200	12.0	14.5	33,800	3.82	8.0	19,700	2.40
3092865	PH13EAZ36-A	CNPH*4221A**	PG9MTAV60125*A**	34,200	12.0	14.5	33,800	3.86	8.0	19,700	2.42
3095792	PH13EAZ36-A	CNPH*4221A**	PG9MXA036060	34,400	12.0	14.5	33,600	3.82	8.0	19,500	2.42
3095793	PH13EAZ36-A	CNPH*4221A**	PG9MXA036080	34,400	12.0	14.5	33,400	3.80	8.0	19,400	2.42
3095794	PH13EAZ36-A	CNPH*4221A**	PG9MXA048080	34,400	12.0	14.5	33,600	3.80	8.0	19,500	2.42
3095795	PH13EAZ36-A	CNPH*4221A**	PG9MXA060100	34,400	12.0	14.5	33,200	3.80	8.0	19,200	2.42
3092857	PH13EAZ36-A	CNPH*4221A**+TDR		34,200	11.0	13.0	34,400	3.68	7.8	20,200	2.32
3092844	PH13EAZ36-A	CNPV*3617A**	PG8*EA048070	33,800	11.5	14.0	33,400	3.62	7.7	19,500	2.32
3095778	PH13EAZ36-A	CNPV*3617A**	PG9MXA036060	34,000	11.5	14.0	33,200	3.70	7.8	19,400	2.38
3095779	PH13EAZ36-A	CNPV*3617A**	PG9MXA036080	34,000	11.5	14.0	33,200	3.70	7.8	19,300	2.38
3095780	PH13EAZ36-A	CNPV*3617A**	PG9MXA048080	34,000	11.5	14.0	33,400	3.70	7.8	19,400	2.38
3092843	PH13EAZ36-A	CNPV*3617A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.28
3092846	PH13EAZ36-A	CNPV*3621A**	PG8*EA048090	34,000	11.5	14.0	33,200	3.72	7.8	19,300	2.38
3092847	PH13EAZ36-A	CNPV*3621A**	PG8*EA060110	34,000	11.5	14.0	33,200	3.76	7.8	19,300	2.40
3095781	PH13EAZ36-A	CNPV*3621A**	PG9MXA060100	34,000	11.5	14.0	33,000	3.70	7.8	19,100	2.38
3092845	PH13EAZ36-A	CNPV*3621A**+TDR		34,000	11.0	13.0	34,000	3.62	7.7	20,200	2.28
3095783	PH13EAZ36-A	CNPV*4217A**	PG8*EA048070	34,400	12.0	14.5	33,800	3.78	7.8	19,600	2.38
3095784	PH13EAZ36-A	CNPV*4217A**	PG9MXA036060	34,400	12.0	14.5	33,600	3.88	8.0	19,600	2.44
3095785	PH13EAZ36-A	CNPV*4217A**	PG9MXA036080	34,400	12.0	14.5	33,600	3.86	8.0	19,500	2.42
3095786	PH13EAZ36-A	CNPV*4217A**	PG9MXA048080	34,400	12.0	14.5	33,600	3.88	8.0	19,600	2.44
3095782	PH13EAZ36-A	CNPV*4217A**+TDR		34,200	11.0	13.0	34,400	3.74	7.8	20,400	2.34
3092849	PH13EAZ36-A	CNPV*4221A**	PG8*EA048090	34,200	12.0	14.5	33,400	3.82	8.0	19,400	2.42
3092850	PH13EAZ36-A	CNPV*4221A**	PG8*EA060110	34,200	12.0	14.5	33,400	3.86	8.0	19,400	2.44
3095787	PH13EAZ36-A	CNPV*4221A**	PG9MXA060100	34,400	12.0	14.5	33,200	3.80	8.0	19,200	2.42
3092848	PH13EAZ36-A	CNPV*4221A**+TDR		34,200	11.0	13.0	34,400	3.68	7.8	20,200	2.32
3092868	PH13EAZ36-A	CSPH*3612A**	PG8*EA024045	34,000	11.5	14.0	34,000	3.74	7.8	19,900	2.34
3092869	PH13EAZ36-A	CSPH*3612A**	PG8*EA048070	34,000	11.5	14.0	33,800	3.78	8.0	19,700	2.38
3092870	PH13EAZ36-A	CSPH*3612A**	PG8*EA048090	34,000	11.5	14.0	33,600	3.90	8.2	19,500	2.46
3092871	PH13EAZ36-A	CSPH*3612A**	PG8*EA060110	34,000	11.5	14.0	33,600	3.94	8.2	19,500	2.46
3092872	PH13EAZ36-A	CSPH*3612A**	PG9MTAV36050*A**	34,000	11.5	14.0	34,000	3.72	7.8	19,900	2.34
3092873	PH13EAZ36-A	CSPH*3612A**	PG9MTAV36075*A**	34,000	11.5	14.0	34,000	3.76	7.8	19,800	2.36
3092874	PH13EAZ36-A	CSPH*3612A**	PG9MTAV60100*A**	34,000	11.5	14.0	34,000	3.90	8.2	19,800	2.44
3092875	PH13EAZ36-A	CSPH*3612A**	PG9MTAV60125*A**	34,000	11.5	14.0	34,000	3.94	8.2	19,700	2.46
3095796	PH13EAZ36-A	CSPH*3612A**	PG9MXA036060	34,000	11.5	14.0	33,800	3.90	8.0	19,600	2.44
3095797	PH13EAZ36-A	CSPH*3612A**	PG9MXA036080	34,000	11.5	14.0	33,600	3.88	8.0	19,500	2.42
3095798	PH13EAZ36-A	CSPH*3612A**	PG9MXA048080	34,000	11.5	14.0	33,800	3.90	8.0	19,600	2.44
3095799	PH13EAZ36-A	CSPH*3612A**	PG9MXA060100	34,000	11.5	14.0	33,400	3.88	8.0	19,300	2.44
3092867	PH13EAZ36-A	CSPH*3612A**+TDR		34,000	11.0	13.0	34,000	3.76	7.8	20,400	2.34
3092877	PH13EAZ36-A	CSPH*4212A**	PG8*EA024045	34,200	11.5	14.0	34,200	3.78	8.0	19,900	2.36
3092878	PH13EAZ36-A	CSPH*4212A**	PG8*EA048070	34,200	12.0	14.5	33,800	3.84	8.0	19,700	2.40
3092879	PH13EAZ36-A	CSPH*4212A**	PG8*EA048090	34,200	12.0	14.5	33,800	3.96	8.2	19,500	2.48
3092880	PH13EAZ36-A	CSPH*4212A**	PG8*EA060110	34,200	12.0	14.5	33,800	4.00	8.2	19,500	2.50
3092881	PH13EAZ36-A	CSPH*4212A**	PG9MTAV36050*A**	34,200	12.0	14.3	34,200	3.76	7.8	20,000	2.34
3092882	PH13EAZ36-A	CSPH*4212A**	PG9MTAV36075*A**	34,200	12.0	14.5	34,000	3.80	8.0	19,900	2.38
3092883	PH13EAZ36-A	CSPH*4212A**	PG9MTAV60100*A**	34,200	12.0	14.5	34,200	3.98	8.2	19,900	2.46
3092884	PH13EAZ36-A	CSPH*4212A**	PG9MTAV60125*A**	34,200	12.0	14.5	34,200	4.00	8.2	19,800	2.48
3095800	PH13EAZ36-A	CSPH*4212A**	PG9MXA036060	34,400	12.0	14.5	33,800	3.96	8.2	19,600	2.46
3095801	PH13EAZ36-A	CSPH*4212A**	PG9MXA036080	34,400	12.0	14.5	33,800	3.94	8.2	19,500	2.46
3095802	PH13EAZ36-A	CSPH*4212A**	PG9MXA048080	34,400	12.0	14.5	33,800	3.96	8.2	19,600	2.46
3095803	PH13EAZ36-A	CSPH*4212A**	PG9MXA060100	34,400	11.0	14.5	33,400	3.94	8.2	19,400	2.48
3092876	PH13EAZ36-A	CSPH*4212A**+TDR		34,200	11.0	13.0	34,400	3.80	8.0	20,400	2.36
3092886	PH13EAZ36-A	PF4MNA037		34,000	11.5	14.0	33,800	3.80	8.0	19,700	2.40
3092885	PH13EAZ36-A	PF4MNA042		34,200	11.0	13.0	34,200	3.70	7.8	20,400	2.30
3092887	PH13EAZ36-A	PF4MNA043		34,200	12.0	14.5	34,200	3.88	8.0	19,900	2.42
3092888	PH13NAZ48-A	↑PF4MNA048		48,000	11.0	13.0	47,500	3.64	7.8	28,800	2.38
3092890	PH13NAZ48-A	CAP**4817A**	PG8*EA048070	47,500	11.0	13.0	47,500	3.56	7.8	28,400	2.34
3095572	PH13NAZ48-A	CAP**4817A**	PG9MXA048080	47,500	11.5	14.0	47,000	3.70	8.0	28,000	2.42
3092889	PH13NAZ48-A	CAP**4817A**+TDR		47,500	11.0	13.0	47,000	3.64	7.8	28,200	2.38
3092892	PH13NAZ48-A	CAP**4821A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.68	8.0	27,600	2.42
3092893	PH13NAZ48-A	CAP**4821A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.70	8.0	27,400	2.44
3095573	PH13NAZ48-A	CAP**4821A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3092891	PH13NAZ48-A	CAP**4821A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3092904	PH13NAZ48-A	CAP**4823A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.68	8.0	27,600	2.42
3092905	PH13NAZ48-A	CAP**4823A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.70	8.0	27,400	2.44

See notes on page 16

# COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3092906	PH13NAZ48-A	CAP**4823A**	PG9MTAV60100*A**	47,500	11.0	13.5	47,000	3.64	7.8	28,000	2.40
3095577	PH13NAZ48-A	CAP**4823A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3092903	PH13NAZ48-A	CAP**4823A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3092895	PH13NAZ48-A	CAP**4824A**	PG8*EA060135	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3092896	PH13NAZ48-A	CAP**4824A**	PG9MTAV60125*A**	47,500	11.5	14.0	47,000	3.68	8.0	27,800	2.42
3095574	PH13NAZ48-A	CAP**4824A**	PG9MXA060120	47,500	11.5	14.0	46,500	3.74	8.0	27,600	2.46
3092894	PH13NAZ48-A	CAP**4824A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3092898	PH13NAZ48-A	CAP**6021A**	PG8*EA048090	48,000	12.0	14.5	47,000	3.78	8.2	27,800	2.48
3092899	PH13NAZ48-A	CAP**6021A**	PG8*EA060110	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3095575	PH13NAZ48-A	CAP**6021A**	PG9MXA060100	48,000	12.0	14.5	47,000	3.82	8.2	27,800	2.50
3092897	PH13NAZ48-A	CAP**6021A**+TDR		48,000	11.0	13.0	48,000	3.76	8.0	28,600	2.44
3092901	PH13NAZ48-A	CAP**6024A**	PG8*EA060135	48,000	12.0	14.5	46,500	3.78	8.2	27,600	2.48
3092902	PH13NAZ48-A	CAP**6024A**	PG9MTAV60125*A**	48,000	12.0	14.5	47,000	3.76	8.0	28,000	2.46
3095576	PH13NAZ48-A	CAP**6024A**	PG9MXA060120	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3092900	PH13NAZ48-A	CAP**6024A**+TDR		48,000	11.0	13.0	48,000	3.76	8.0	28,600	2.44
3092908	PH13NAZ48-A	CAP**6025A**	PG8*EA060135	48,000	12.0	14.5	46,500	3.78	8.2	27,600	2.48
3092909	PH13NAZ48-A	CAP**6025A**	PG9MTAV60125*A**	48,000	12.0	14.5	47,000	3.76	8.0	28,000	2.46
3095578	PH13NAZ48-A	CAP**6025A**	PG9MXA060120	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3092907	PH13NAZ48-A	CAP**6025A**+TDR		48,000	11.0	13.0	48,000	3.76	8.0	28,600	2.44
3092933	PH13NAZ48-A	CNPF*4818A**+TDR		47,000	11.0	13.0	47,000	3.52	7.7	27,800	2.34
3092920	PH13NAZ48-A	CNPH*4821A**	PG8*EA048070	47,500	11.0	13.0	47,500	3.54	7.7	28,400	2.32
3092921	PH13NAZ48-A	CNPH*4821A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.68	8.0	27,600	2.42
3092922	PH13NAZ48-A	CNPH*4821A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.72	8.0	27,400	2.46
3092923	PH13NAZ48-A	CNPH*4821A**	PG8*EA060135	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3092924	PH13NAZ48-A	CNPH*4821A**	PG9MTAV60100*A**	47,500	11.0	13.5	47,000	3.66	8.0	28,000	2.40
3092925	PH13NAZ48-A	CNPH*4821A**	PG9MTAV60125*A**	47,500	11.5	13.0	47,000	3.68	8.0	27,800	2.42
3095582	PH13NAZ48-A	CNPH*4821A**	PG9MXA048080	47,500	11.5	14.0	47,000	3.66	8.0	27,800	2.40
3095583	PH13NAZ48-A	CNPH*4821A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.72	8.0	27,600	2.44
3095584	PH13NAZ48-A	CNPH*4821A**	PG9MXA060120	47,500	11.5	14.0	46,500	3.74	8.0	27,600	2.46
3092919	PH13NAZ48-A	CNPH*4821A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3092927	PH13NAZ48-A	CNPH*6024A**	PG8*EA048070	48,000	11.0	13.5	47,500	3.60	7.8	28,400	2.36
3092928	PH13NAZ48-A	CNPH*6024A**	PG8*EA048090	48,000	12.0	14.5	47,000	3.76	8.0	27,800	2.46
3092929	PH13NAZ48-A	CNPH*6024A**	PG8*EA060110	48,000	12.0	14.5	46,500	3.80	8.2	27,600	2.50
3092930	PH13NAZ48-A	CNPH*6024A**	PG8*EA060135	48,000	12.0	14.5	46,500	3.78	8.2	27,600	2.48
3092931	PH13NAZ48-A	CNPH*6024A**	PG9MTAV60100*A**	48,000	11.5	14.0	47,500	3.74	8.0	28,200	2.44
3092932	PH13NAZ48-A	CNPH*6024A**	PG9MTAV60125*A**	48,000	12.0	14.5	47,000	3.76	8.0	28,000	2.46
3095585	PH13NAZ48-A	CNPH*6024A**	PG9MXA048080	48,000	12.0	14.5	47,000	3.72	8.0	28,000	2.44
3095586	PH13NAZ48-A	CNPH*6024A**	PG9MXA060100	48,000	12.0	14.5	46,500	3.80	8.2	27,600	2.48
3095587	PH13NAZ48-A	CNPH*6024A**	PG9MXA060120	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3092926	PH13NAZ48-A	CNPH*6024A**+TDR		48,000	11.0	13.0	48,000	3.74	8.0	28,600	2.42
3092911	PH13NAZ48-A	CNPV*4821A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.68	8.0	27,600	2.42
3092912	PH13NAZ48-A	CNPV*4821A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.72	8.0	27,400	2.46
3095579	PH13NAZ48-A	CNPV*4821A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.72	8.0	27,600	2.44
3092910	PH13NAZ48-A	CNPV*4821A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3092914	PH13NAZ48-A	CNPV*4824A**	PG8*EA060135	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3092915	PH13NAZ48-A	CNPV*4824A**	PG9MTAV60125*A**	47,500	11.0	14.0	47,000	3.68	8.0	27,800	2.42
3095580	PH13NAZ48-A	CNPV*4824A**	PG9MXA060120	47,500	11.5	14.0	46,500	3.74	8.0	27,600	2.46
3092913	PH13NAZ48-A	CNPV*4824A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3092917	PH13NAZ48-A	CNPV*6024A**	PG8*EA060135	48,000	12.0	14.5	46,500	3.78	8.2	27,600	2.48
3092918	PH13NAZ48-A	CNPV*6024A**	PG9MTAV60125*A**	48,000	11.5	14.5	47,000	3.76	8.0	28,000	2.46
3095581	PH13NAZ48-A	CNPV*6024A**	PG9MXA060120	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3092916	PH13NAZ48-A	CNPV*6024A**+TDR		48,000	11.0	13.0	48,000	3.74	8.0	28,600	2.42
3092935	PH13NAZ48-A	CSPH*4812A**	PG8*EA048070	47,500	11.0	13.0	47,500	3.56	7.8	28,400	2.34
3092936	PH13NAZ48-A	CSPH*4812A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.70	8.0	27,800	2.44
3092937	PH13NAZ48-A	CSPH*4812A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.72	8.0	27,400	2.46
3092938	PH13NAZ48-A	CSPH*4812A**	PG8*EA060135	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3092939	PH13NAZ48-A	CSPH*4812A**	PG9MTAV60100*A**	47,500	11.5	14.0	47,000	3.68	8.0	28,000	2.40
3092940	PH13NAZ48-A	CSPH*4812A**	PG9MTAV60125*A**	47,500	11.5	14.0	47,000	3.70	8.0	28,000	2.42
3095588	PH13NAZ48-A	CSPH*4812A**	PG9MXA048080	47,500	11.5	14.0	47,000	3.68	8.0	28,000	2.42
3095589	PH13NAZ48-A	CSPH*4812A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.72	8.0	27,600	2.46
3095590	PH13NAZ48-A	CSPH*4812A**	PG9MXA060120	47,500	11.5	14.0	46,500	3.76	8.0	27,600	2.46
3092934	PH13NAZ48-A	CSPH*4812A**+TDR		47,500	11.0	13.0	47,500	3.72	8.0	28,600	2.42
3092942	PH13NAZ48-A	CSPH*6012A**	PG8*EA048070	48,000	11.0	13.5	47,500	3.64	7.8	28,600	2.38
3092943	PH13NAZ48-A	CSPH*6012A**	PG8*EA048090	48,000	12.0	14.5	47,000	3.82	8.2	27,800	2.48
3092944	PH13NAZ48-A	CSPH*6012A**	PG8*EA060110	48,000	12.0	14.5	46,500	3.84	8.2	27,600	2.52
3092945	PH13NAZ48-A	CSPH*6012A**	PG8*EA060135	48,000	12.0	14.5	47,000	3.82	8.2	27,800	2.50
3092946	PH13NAZ48-A	CSPH*6012A**	PG9MTAV60100*A**	48,000	12.0	14.5	47,500	3.80	8.2	28,200	2.46
3092947	PH13NAZ48-A	CSPH*6012A**	PG9MTAV60125*A**	48,000	12.0	14.5	47,500	3.82	8.2	28,000	2.48
3095591	PH13NAZ48-A	CSPH*6012A**	PG9MXA048080	48,000	12.0	14.5	47,500	3.78	8.2	28,000	2.46
3095592	PH13NAZ48-A	CSPH*6012A**	PG9MXA060100	48,000	12.0	14.5	47,000	3.84	8.2	27,800	2.50
3095593	PH13NAZ48-A	CSPH*6012A**	PG9MXA060120	48,000	12.0	14.5	47,000	3.88	8.2	27,800	2.52
3092941	PH13NAZ48-A	CSPH*6012A**+TDR		48,000	11.0	13.0	48,000	3.78	8.2	28,600	2.44
3092949	PH13NAZ48-A	PF4MNA049		48,500	11.5	14.0	47,500	3.82	8.2	28,200	2.48
3092948	PH13NAZ48-A	PF4MNA060		48,000	11.0	13.0	48,000	3.76	8.0	28,800	2.42
3092950	PH13NAZ48-A	PF4MNA061		49,000	12.0	14.5	47,500	3.96	8.2	28,200	2.54
3092951	PH13PAZ48-A	†PF4MNA048		48,000	11.0	13.0	47,500	3.64	7.8	28,800	2.38
3092953	PH13PAZ48-A	CAP**4817A**	PG8*EA048070	47,500	11.0	13.0	47,500	3.56	7.8	28,400	2.34
3095867	PH13PAZ48-A	CAP**4817A**	PG9MXA048080	47,500	11.5	14.0	47,000	3.70	8.0	28,000	2.42
3092952	PH13PAZ48-A	CAP**4817A**+TDR		47,500	11.0	13.0	47,000	3.64	7.8	28,200	2.38
3092955	PH13PAZ48-A	CAP**4821A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.68	8.0	27,600	2.42
3092956	PH13PAZ48-A	CAP**4821A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.70	8.0	27,400	2.44
3095868	PH13PAZ48-A	CAP**4821A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3092954	PH13PAZ48-A	CAP**4821A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3092967	PH13PAZ48-A	CAP**4823A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.68	8.0	27,600	2.42
3092968	PH13PAZ48-A	CAP**4823A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.70	8.0	27,400	2.44
3092969	PH13PAZ48-A	CAP**4823A**	PG9MTAV60100*A**	47,500	11.0	13.5	47,000	3.64	7.8	28,000	2.40

PH13NAZ

See notes on page 16

# COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3095872	PH13PAZ48-A	CAP**4823A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3092966	PH13PAZ48-A	CAP**4823A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3092958	PH13PAZ48-A	CAP**4824A**	PG8*EA060135	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3092959	PH13PAZ48-A	CAP**4824A**	PG9MTAV60125*A**	47,500	11.5	14.0	47,000	3.68	8.0	27,800	2.42
3095869	PH13PAZ48-A	CAP**4824A**	PG9MXA060120	47,500	11.5	14.0	46,500	3.74	8.0	27,600	2.46
3092957	PH13PAZ48-A	CAP**4824A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3092961	PH13PAZ48-A	CAP**6021A**	PG8*EA048090	48,000	12.0	14.5	47,000	3.78	8.2	27,800	2.48
3092962	PH13PAZ48-A	CAP**6021A**	PG8*EA060110	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3095870	PH13PAZ48-A	CAP**6021A**	PG9MXA060100	48,000	12.0	14.5	47,000	3.82	8.2	27,800	2.50
3092960	PH13PAZ48-A	CAP**6021A**+TDR		48,000	11.0	13.0	48,000	3.76	8.0	28,600	2.44
3092964	PH13PAZ48-A	CAP**6024A**	PG8*EA060135	48,000	12.0	14.5	46,500	3.78	8.2	27,600	2.48
3092965	PH13PAZ48-A	CAP**6024A**	PG9MTAV60125*A**	48,000	12.0	14.5	47,000	3.76	8.0	28,000	2.46
3095871	PH13PAZ48-A	CAP**6024A**	PG9MXA060120	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3092963	PH13PAZ48-A	CAP**6024A**+TDR		48,000	11.0	13.0	48,000	3.76	8.0	28,600	2.44
3092971	PH13PAZ48-A	CAP**6025A**	PG8*EA060135	48,000	12.0	14.5	46,500	3.78	8.2	27,600	2.48
3092972	PH13PAZ48-A	CAP**6025A**	PG9MTAV60125*A**	48,000	12.0	14.5	47,000	3.76	8.0	28,000	2.46
3095873	PH13PAZ48-A	CAP**6025A**	PG9MXA060120	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3092970	PH13PAZ48-A	CAP**6025A**+TDR		48,000	11.0	13.0	48,000	3.76	8.0	28,600	2.44
3092996	PH13PAZ48-A	CNPF*4818A**+TDR		47,000	11.0	13.0	47,000	3.52	7.7	27,800	2.34
3092983	PH13PAZ48-A	CNPH*4821A**	PG8*EA048070	47,500	11.0	13.0	47,500	3.54	7.7	28,400	2.32
3092984	PH13PAZ48-A	CNPH*4821A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.68	8.0	27,600	2.42
3092985	PH13PAZ48-A	CNPH*4821A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.72	8.0	27,400	2.46
3092986	PH13PAZ48-A	CNPH*4821A**	PG8*EA060135	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3092987	PH13PAZ48-A	CNPH*4821A**	PG9MTAV60100*A**	47,500	11.0	13.5	47,000	3.66	8.0	28,000	2.40
3092988	PH13PAZ48-A	CNPH*4821A**	PG9MTAV60125*A**	47,500	11.5	14.0	47,000	3.68	8.0	27,800	2.42
3095877	PH13PAZ48-A	CNPH*4821A**	PG9MXA048080	47,500	11.5	14.0	47,000	3.66	8.0	27,800	2.40
3095878	PH13PAZ48-A	CNPH*4821A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.72	8.0	27,600	2.44
3095879	PH13PAZ48-A	CNPH*4821A**	PG9MXA060120	47,500	11.5	14.0	46,500	3.74	8.0	27,600	2.46
3092982	PH13PAZ48-A	CNPH*4821A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3092990	PH13PAZ48-A	CNPH*6024A**	PG8*EA048070	48,000	11.0	13.5	47,500	3.60	7.8	28,400	2.36
3092991	PH13PAZ48-A	CNPH*6024A**	PG8*EA048090	48,000	12.0	14.5	47,000	3.76	8.0	27,800	2.46
3092992	PH13PAZ48-A	CNPH*6024A**	PG8*EA060110	48,000	12.0	14.5	46,500	3.80	8.2	27,600	2.50
3092993	PH13PAZ48-A	CNPH*6024A**	PG8*EA060135	48,000	12.0	14.5	46,500	3.78	8.2	27,600	2.48
3092994	PH13PAZ48-A	CNPH*6024A**	PG9MTAV60100*A**	48,000	11.5	14.0	47,500	3.74	8.0	28,200	2.44
3092995	PH13PAZ48-A	CNPH*6024A**	PG9MTAV60125*A**	48,000	12.0	14.5	47,000	3.76	8.0	28,000	2.46
3095880	PH13PAZ48-A	CNPH*6024A**	PG9MXA048080	48,000	12.0	14.5	47,000	3.72	8.0	28,000	2.44
3095881	PH13PAZ48-A	CNPH*6024A**	PG9MXA060100	48,000	12.0	14.5	46,500	3.80	8.2	27,600	2.48
3095882	PH13PAZ48-A	CNPH*6024A**	PG9MXA060120	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3092989	PH13PAZ48-A	CNPH*6024A**+TDR		48,000	11.0	13.0	48,000	3.74	8.0	28,600	2.42
3092974	PH13PAZ48-A	CNPV*4821A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.68	8.0	27,600	2.42
3092975	PH13PAZ48-A	CNPV*4821A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.72	8.0	27,400	2.46
3095874	PH13PAZ48-A	CNPV*4821A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.72	8.0	27,600	2.44
3092973	PH13PAZ48-A	CNPV*4821A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3092977	PH13PAZ48-A	CNPV*4824A**	PG8*EA060135	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3092978	PH13PAZ48-A	CNPV*4824A**	PG9MTAV60125*A**	47,500	11.0	14.0	47,000	3.68	8.0	27,800	2.42
3095875	PH13PAZ48-A	CNPV*4824A**	PG9MXA060120	47,500	11.5	14.0	46,500	3.74	8.0	27,600	2.46
3092976	PH13PAZ48-A	CNPV*4824A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3092980	PH13PAZ48-A	CNPV*6024A**	PG8*EA060135	48,000	12.0	14.5	46,500	3.78	8.2	27,600	2.48
3092981	PH13PAZ48-A	CNPV*6024A**	PG9MTAV60125*A**	48,000	11.5	14.5	47,000	3.76	8.0	28,000	2.46
3095876	PH13PAZ48-A	CNPV*6024A**	PG9MXA060120	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3092979	PH13PAZ48-A	CNPV*6024A**+TDR		48,000	11.0	13.0	48,000	3.74	8.0	28,600	2.42
3092998	PH13PAZ48-A	CSPH*4812A**	PG8*EA048070	47,500	11.0	13.0	47,500	3.56	7.8	28,400	2.34
3092999	PH13PAZ48-A	CSPH*4812A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.70	8.0	27,800	2.44
3093000	PH13PAZ48-A	CSPH*4812A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.72	8.0	27,400	2.46
3093001	PH13PAZ48-A	CSPH*4812A**	PG8*EA060135	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3093002	PH13PAZ48-A	CSPH*4812A**	PG9MTAV60100*A**	47,500	11.5	14.0	47,000	3.68	8.0	28,000	2.40
3093003	PH13PAZ48-A	CSPH*4812A**	PG9MTAV60125*A**	47,500	11.5	14.0	47,000	3.70	8.0	28,000	2.42
3095883	PH13PAZ48-A	CSPH*4812A**	PG9MXA048080	47,500	11.5	14.0	47,000	3.68	8.0	28,000	2.42
3095884	PH13PAZ48-A	CSPH*4812A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.72	8.0	27,600	2.46
3095885	PH13PAZ48-A	CSPH*4812A**	PG9MXA060120	47,500	11.5	14.0	46,500	3.76	8.0	27,600	2.46
3092997	PH13PAZ48-A	CSPH*4812A**+TDR		47,500	11.0	13.0	47,500	3.72	8.0	28,600	2.42
3093005	PH13PAZ48-A	CSPH*6012A**	PG8*EA048070	48,000	11.0	13.5	47,500	3.64	7.8	28,600	2.38
3093006	PH13PAZ48-A	CSPH*6012A**	PG8*EA048090	48,000	12.0	14.5	47,000	3.82	8.2	27,800	2.48
3093007	PH13PAZ48-A	CSPH*6012A**	PG8*EA060110	48,000	12.0	14.5	46,500	3.84	8.2	27,600	2.52
3093008	PH13PAZ48-A	CSPH*6012A**	PG8*EA060135	48,000	12.0	14.5	47,000	3.82	8.2	27,800	2.50
3093009	PH13PAZ48-A	CSPH*6012A**	PG9MTAV60100*A**	48,000	12.0	14.5	47,500	3.80	8.2	28,200	2.46
3093010	PH13PAZ48-A	CSPH*6012A**	PG9MTAV60125*A**	48,000	12.0	14.5	47,500	3.82	8.2	28,000	2.48
3095886	PH13PAZ48-A	CSPH*6012A**	PG9MXA048080	48,000	12.0	14.5	47,000	3.78	8.2	28,000	2.46
3095887	PH13PAZ48-A	CSPH*6012A**	PG9MXA060100	48,000	12.0	14.5	47,000	3.84	8.2	27,800	2.50
3095888	PH13PAZ48-A	CSPH*6012A**	PG9MXA060120	48,000	12.0	14.5	47,000	3.88	8.2	27,800	2.52
3093004	PH13PAZ48-A	CSPH*6012A**+TDR		48,000	11.0	13.0	48,000	3.78	8.2	28,600	2.44
3093012	PH13PAZ48-A	PF4MNA049		48,500	11.5	14.0	47,500	3.82	8.2	28,200	2.48
3093011	PH13PAZ48-A	PF4MNA060		48,000	11.0	13.0	48,000	3.76	8.0	28,800	2.42
3093013	PH13PAZ48-A	PF4MNA061		49,000	12.0	14.5	47,500	3.96	8.2	28,200	2.54
3093014	PH13EAZ48-A	†PF4MNA048		48,000	11.0	13.0	47,500	3.64	7.8	28,800	2.38
3093016	PH13EAZ48-A	CAP**4817A**	PG8*EA048070	47,500	11.0	13.0	47,500	3.56	7.8	28,400	2.34
3095804	PH13EAZ48-A	CAP**4817A**	PG9MXA048080	47,500	11.5	14.0	47,000	3.70	8.0	28,000	2.42
3093015	PH13EAZ48-A	CAP**4817A**+TDR		47,500	11.0	13.0	47,000	3.64	7.8	28,200	2.38
3093018	PH13EAZ48-A	CAP**4821A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.68	8.0	27,600	2.42
3093019	PH13EAZ48-A	CAP**4821A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.70	8.0	27,400	2.44
3095805	PH13EAZ48-A	CAP**4821A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3093017	PH13EAZ48-A	CAP**4821A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3093030	PH13EAZ48-A	CAP**4823A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.68	8.0	27,600	2.42
3093031	PH13EAZ48-A	CAP**4823A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.70	8.0	27,400	2.44
3093032	PH13EAZ48-A	CAP**4823A**	PG9MTAV60100*A**	47,500	11.0	13.5	47,000	3.64	7.8	28,000	2.40
3095809	PH13EAZ48-A	CAP**4823A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44

See notes on page 16

# COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3093029	PH13EAZ48-A	CAP**4823A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3093021	PH13EAZ48-A	CAP**4824A**	PG8*EA060135	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3093022	PH13EAZ48-A	CAP**4824A**	PG9MTAV60125*A**	47,500	11.5	14.0	47,000	3.68	8.0	27,800	2.42
3095806	PH13EAZ48-A	CAP**4824A**	PG9MXA060120	47,500	11.5	14.0	46,500	3.74	8.0	27,600	2.46
3093020	PH13EAZ48-A	CAP**4824A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3093024	PH13EAZ48-A	CAP**6021A**	PG8*EA048090	48,000	12.0	14.5	47,000	3.78	8.2	27,800	2.48
3093025	PH13EAZ48-A	CAP**6021A**	PG8*EA060110	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3095807	PH13EAZ48-A	CAP**6021A**	PG9MXA060100	48,000	12.0	14.5	47,000	3.82	8.2	27,800	2.50
3093023	PH13EAZ48-A	CAP**6021A**+TDR		48,000	11.0	13.0	48,000	3.76	8.0	28,600	2.44
3093027	PH13EAZ48-A	CAP**6024A**	PG8*EA060135	48,000	12.0	14.5	46,500	3.78	8.2	27,600	2.48
3093028	PH13EAZ48-A	CAP**6024A**	PG9MTAV60125*A**	48,000	12.0	14.5	47,000	3.76	8.0	28,000	2.46
3095808	PH13EAZ48-A	CAP**6024A**	PG9MXA060120	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3093026	PH13EAZ48-A	CAP**6024A**+TDR		48,000	11.0	13.0	48,000	3.76	8.0	28,600	2.44
3093034	PH13EAZ48-A	CAP**6025A**	PG8*EA060135	48,000	12.0	14.5	46,500	3.78	8.2	27,600	2.48
3093035	PH13EAZ48-A	CAP**6025A**	PG9MTAV60125*A**	48,000	12.0	14.5	47,000	3.76	8.0	28,000	2.46
3095810	PH13EAZ48-A	CAP**6025A**	PG9MXA060120	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3093033	PH13EAZ48-A	CAP**6025A**+TDR		48,000	11.0	13.0	48,000	3.76	8.0	28,600	2.44
3093059	PH13EAZ48-A	CNPF*4818A**+TDR		47,000	11.0	13.0	47,000	3.52	7.7	27,800	2.34
3093046	PH13EAZ48-A	CNPH*4821A**	PG8*EA048070	47,500	11.0	13.0	47,500	3.54	7.7	28,400	2.32
3093047	PH13EAZ48-A	CNPH*4821A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.68	8.0	27,600	2.42
3093048	PH13EAZ48-A	CNPH*4821A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.72	8.0	27,400	2.46
3093049	PH13EAZ48-A	CNPH*4821A**	PG8*EA060135	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3093050	PH13EAZ48-A	CNPH*4821A**	PG9MTAV60100*A**	47,500	11.0	13.5	47,000	3.66	8.0	28,000	2.40
3093051	PH13EAZ48-A	CNPH*4821A**	PG9MTAV60125*A**	47,500	11.5	13.0	47,000	3.68	8.0	27,800	2.42
3095814	PH13EAZ48-A	CNPH*4821A**	PG9MXA048080	47,500	11.5	14.0	47,000	3.66	8.0	27,800	2.40
3095815	PH13EAZ48-A	CNPH*4821A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.72	8.0	27,600	2.44
3095816	PH13EAZ48-A	CNPH*4821A**	PG9MXA060120	47,500	11.5	14.0	46,500	3.74	8.0	27,600	2.46
3093045	PH13EAZ48-A	CNPH*4821A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3093053	PH13EAZ48-A	CNPH*6024A**	PG8*EA048070	48,000	11.0	13.5	47,500	3.60	7.8	28,400	2.36
3093054	PH13EAZ48-A	CNPH*6024A**	PG8*EA048090	48,000	12.0	14.5	47,000	3.76	8.0	27,800	2.46
3093055	PH13EAZ48-A	CNPH*6024A**	PG8*EA060110	48,000	12.0	14.5	46,500	3.80	8.2	27,600	2.50
3093056	PH13EAZ48-A	CNPH*6024A**	PG8*EA060135	48,000	12.0	14.5	46,500	3.78	8.2	27,600	2.48
3093057	PH13EAZ48-A	CNPH*6024A**	PG9MTAV60100*A**	48,000	11.5	14.0	47,500	3.74	8.0	28,200	2.44
3093058	PH13EAZ48-A	CNPH*6024A**	PG9MTAV60125*A**	48,000	12.0	14.5	47,000	3.76	8.0	28,000	2.46
3095817	PH13EAZ48-A	CNPH*6024A**	PG9MXA048080	48,000	12.0	14.5	47,000	3.72	8.0	28,000	2.44
3095818	PH13EAZ48-A	CNPH*6024A**	PG9MXA060100	48,000	12.0	14.5	46,500	3.80	8.2	27,600	2.48
3095819	PH13EAZ48-A	CNPH*6024A**	PG9MXA060120	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3093052	PH13EAZ48-A	CNPH*6024A**+TDR		48,000	11.0	13.0	48,000	3.74	8.0	28,600	2.42
3093037	PH13EAZ48-A	CNPV*4821A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.68	8.0	27,600	2.42
3093038	PH13EAZ48-A	CNPV*4821A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.72	8.0	27,400	2.46
3095811	PH13EAZ48-A	CNPV*4821A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.72	8.0	27,600	2.44
3093036	PH13EAZ48-A	CNPV*4821A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3093040	PH13EAZ48-A	CNPV*4824A**	PG8*EA060135	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3093041	PH13EAZ48-A	CNPV*4824A**	PG9MTAV60125*A**	47,500	11.0	14.0	47,000	3.68	8.0	27,800	2.42
3095812	PH13EAZ48-A	CNPV*4824A**	PG9MXA060120	47,500	11.5	14.0	46,500	3.74	8.0	27,600	2.46
3093039	PH13EAZ48-A	CNPV*4824A**+TDR		47,500	11.0	13.0	47,500	3.68	8.0	28,400	2.40
3093043	PH13EAZ48-A	CNPV*6024A**	PG8*EA060135	48,000	12.0	14.5	46,500	3.78	8.2	27,600	2.48
3093044	PH13EAZ48-A	CNPV*6024A**	PG9MTAV60125*A**	48,000	11.5	14.5	47,000	3.76	8.0	28,000	2.46
3095813	PH13EAZ48-A	CNPV*6024A**	PG9MXA060120	48,000	12.0	14.5	46,500	3.82	8.2	27,600	2.50
3093042	PH13EAZ48-A	CNPV*6024A**+TDR		48,000	11.0	13.0	48,000	3.74	8.0	28,600	2.42
3093061	PH13EAZ48-A	CSPH*4812A**	PG8*EA048070	47,500	11.0	13.0	47,500	3.56	7.8	28,400	2.34
3093062	PH13EAZ48-A	CSPH*4812A**	PG8*EA048090	47,500	11.5	14.0	46,500	3.70	8.0	27,800	2.44
3093063	PH13EAZ48-A	CSPH*4812A**	PG8*EA060110	47,500	11.5	14.0	46,500	3.72	8.0	27,400	2.46
3093064	PH13EAZ48-A	CSPH*4812A**	PG8*EA060135	47,500	11.5	14.0	46,500	3.70	8.0	27,600	2.44
3093065	PH13EAZ48-A	CSPH*4812A**	PG9MTAV60100*A**	47,500	11.5	14.0	47,000	3.68	8.0	28,000	2.40
3093066	PH13EAZ48-A	CSPH*4812A**	PG9MTAV60125*A**	47,500	11.5	14.0	47,000	3.70	8.0	28,000	2.42
3095820	PH13EAZ48-A	CSPH*4812A**	PG9MXA048080	47,500	11.5	14.0	47,000	3.68	8.0	28,000	2.42
3095821	PH13EAZ48-A	CSPH*4812A**	PG9MXA060100	47,500	11.5	14.0	46,500	3.72	8.0	27,600	2.46
3095822	PH13EAZ48-A	CSPH*4812A**	PG9MXA060120	47,500	11.5	14.0	46,500	3.76	8.0	27,600	2.46
3093060	PH13EAZ48-A	CSPH*4812A**+TDR		47,500	11.0	13.0	47,500	3.72	8.0	28,600	2.42
3093068	PH13EAZ48-A	CSPH*6012A**	PG8*EA048070	48,000	11.0	13.5	47,500	3.64	7.8	28,600	2.38
3093069	PH13EAZ48-A	CSPH*6012A**	PG8*EA048090	48,000	12.0	14.5	47,000	3.82	8.2	27,800	2.48
3093070	PH13EAZ48-A	CSPH*6012A**	PG8*EA060110	48,000	12.0	14.5	46,500	3.84	8.2	27,600	2.52
3093071	PH13EAZ48-A	CSPH*6012A**	PG8*EA060135	48,000	12.0	14.5	47,000	3.82	8.2	27,800	2.50
3093072	PH13EAZ48-A	CSPH*6012A**	PG9MTAV60100*A**	48,000	12.0	14.5	47,500	3.80	8.2	28,200	2.46
3093073	PH13EAZ48-A	CSPH*6012A**	PG9MTAV60125*A**	48,000	12.0	14.5	47,500	3.82	8.2	28,000	2.48
3095823	PH13EAZ48-A	CSPH*6012A**	PG9MXA048080	48,000	12.0	14.5	47,500	3.78	8.2	28,000	2.46
3095824	PH13EAZ48-A	CSPH*6012A**	PG9MXA060100	48,000	12.0	14.5	47,000	3.84	8.2	27,800	2.50
3095825	PH13EAZ48-A	CSPH*6012A**	PG9MXA060120	48,000	12.0	14.5	47,000	3.88	8.2	27,800	2.52
3093067	PH13EAZ48-A	CSPH*6012A**+TDR		48,000	11.0	13.0	48,000	3.78	8.2	28,600	2.44
3093075	PH13EAZ48-A	PF4MNA049		48,500	11.5	14.0	47,500	3.82	8.2	28,200	2.48
3093074	PH13EAZ48-A	PF4MNA060		48,000	11.0	13.0	48,000	3.76	8.0	28,800	2.42
3093076	PH13EAZ48-A	PF4MNA061		49,000	12.0	14.5	47,500	3.96	8.2	28,200	2.54
3093077	PH13NAZ60-A	1PF4MNA060		55,500	10.5	13.0	57,000	3.58	8.0	35,600	2.50
3093079	PH13NAZ60-A	CAP**6021A**	PG8*EA048090	55,000	11.0	13.5	55,500	3.56	8.0	34,000	2.54
3093080	PH13NAZ60-A	CAP**6021A**	PG8*EA060110	55,500	11.0	13.5	55,500	3.62	8.0	34,000	2.58
3095594	PH13NAZ60-A	CAP**6021A**	PG9MXA060100	55,000	11.0	13.5	55,500	3.58	8.0	33,800	2.56
3093078	PH13NAZ60-A	CAP**6021A**+TDR		55,500	11.0	13.0	56,000	3.56	8.0	34,400	2.52
3093082	PH13NAZ60-A	CAP**6024A**	PG8*EA060135	55,000	11.0	13.5	55,500	3.58	8.0	33,800	2.54
3095595	PH13NAZ60-A	CAP**6024A**	PG9MXA060120	55,500	11.0	13.5	55,500	3.60	8.0	33,800	2.56
3093081	PH13NAZ60-A	CAP**6024A**+TDR		55,500	11.0	13.0	56,000	3.64	8.0	35,000	2.56
3093084	PH13NAZ60-A	CAP**6025A**	PG8*EA060135	55,000	11.0	13.5	55,500	3.58	8.0	33,800	2.54
3095596	PH13NAZ60-A	CAP**6025A**	PG9MXA060120	55,500	11.0	13.5	55,500	3.60	8.0	33,800	2.56
3093083	PH13NAZ60-A	CAP**6025A**+TDR		55,500	11.0	13.0	56,000	3.64	8.0	35,000	2.56
3093088	PH13NAZ60-A	CNPH*6024A**	PG8*EA048090	55,000	11.0	13.5	55,500	3.54	8.0	33,800	2.52
3093089	PH13NAZ60-A	CNPH*6024A**	PG8*EA060110	55,000	11.0	13.5	55,500	3.60	8.0	33,800	2.56

PH13NAZ

See notes on page 16

# COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3093090	PH13NAZ60-A	CNPH*6024A**	PG8*EA060135	55,000	11.0	13.5	55,500	3.56	8.0	33,800	2.54
3095598	PH13NAZ60-A	CNPH*6024A**	PG9MXA048080	54,500	11.0	13.0	55,500	3.48	8.0	34,000	2.50
3095599	PH13NAZ60-A	CNPH*6024A**	PG9MXA060100	55,000	11.0	13.5	55,000	3.56	8.0	33,800	2.54
3095600	PH13NAZ60-A	CNPH*6024A**	PG9MXA060120	55,000	11.0	13.5	55,000	3.60	8.0	33,600	2.56
3093087	PH13NAZ60-A	CNPH*6024A**+TDR		55,500	11.0	13.0	56,000	3.62	8.0	34,800	2.54
3093086	PH13NAZ60-A	CNPV*6024A**	PG8*EA060135	55,000	11.0	13.5	55,500	3.56	8.0	33,800	2.54
3095597	PH13NAZ60-A	CNPV*6024A**	PG9MXA060120	55,000	11.0	13.5	55,000	3.60	8.0	33,600	2.56
3093085	PH13NAZ60-A	CNPV*6024A**+TDR		55,500	11.0	13.0	56,000	3.62	8.0	34,800	2.54
3093092	PH13NAZ60-A	CSPH*6012A**	PG8*EA048090	55,500	11.0	13.5	55,500	3.60	8.0	34,000	2.54
3093093	PH13NAZ60-A	CSPH*6012A**	PG8*EA060110	55,500	11.0	13.5	55,500	3.66	8.0	34,000	2.58
3093094	PH13NAZ60-A	CSPH*6012A**	PG8*EA060135	55,500	11.0	13.5	55,500	3.62	8.0	34,000	2.56
3095601	PH13NAZ60-A	CSPH*6012A**	PG9MXA048080	55,000	11.0	13.0	55,500	3.54	8.0	34,000	2.52
3095602	PH13NAZ60-A	CSPH*6012A**	PG9MXA060100	55,500	11.0	13.5	55,500	3.62	8.0	33,800	2.56
3095603	PH13NAZ60-A	CSPH*6012A**	PG9MXA060120	55,500	11.0	13.5	55,500	3.66	8.0	33,800	2.60
3093091	PH13NAZ60-A	CSPH*6012A**+TDR		55,500	11.0	13.0	56,000	3.68	8.0	35,000	2.56
3093095	PH13NAZ60-A	PF4MNA061		55,500	11.0	13.5	56,000	3.80	8.0	34,600	2.64
3093096	PH13PAZ60-A	†PF4MNA060		55,500	10.5	13.0	57,000	3.58	8.0	35,600	2.50
3093098	PH13PAZ60-A	CAP**6021A**	PG8*EA048090	55,000	11.0	13.5	55,500	3.56	8.0	34,000	2.54
3093099	PH13PAZ60-A	CAP**6021A**	PG8*EA060110	55,500	11.0	13.5	55,500	3.62	8.0	34,000	2.58
3095889	PH13PAZ60-A	CAP**6021A**	PG9MXA060100	55,000	11.0	13.5	55,500	3.58	8.0	33,800	2.56
3093097	PH13PAZ60-A	CAP**6021A**+TDR		55,500	11.0	13.0	56,000	3.56	8.0	34,400	2.52
3093101	PH13PAZ60-A	CAP**6024A**	PG8*EA060135	55,000	11.0	13.5	55,500	3.58	8.0	33,800	2.54
3095890	PH13PAZ60-A	CAP**6024A**	PG9MXA060120	55,500	11.0	13.5	55,500	3.60	8.0	33,800	2.56
3093100	PH13PAZ60-A	CAP**6024A**+TDR		55,500	11.0	13.0	56,000	3.64	8.0	35,000	2.56
3093103	PH13PAZ60-A	CAP**6025A**	PG8*EA060135	55,000	11.0	13.5	55,500	3.58	8.0	33,800	2.54
3095891	PH13PAZ60-A	CAP**6025A**	PG9MXA060120	55,500	11.0	13.5	55,500	3.60	8.0	33,800	2.56
3093102	PH13PAZ60-A	CAP**6025A**+TDR		55,500	11.0	13.0	56,000	3.64	8.0	35,000	2.56
3093107	PH13PAZ60-A	CNPH*6024A**	PG8*EA048090	55,000	11.0	13.5	55,500	3.54	8.0	33,800	2.52
3093108	PH13PAZ60-A	CNPH*6024A**	PG8*EA060110	55,000	11.0	13.5	55,500	3.60	8.0	33,800	2.56
3093109	PH13PAZ60-A	CNPH*6024A**	PG8*EA060135	55,000	11.0	13.5	55,500	3.56	8.0	33,800	2.54
3095893	PH13PAZ60-A	CNPH*6024A**	PG9MXA048080	54,500	11.0	13.0	55,500	3.48	8.0	34,000	2.50
3095894	PH13PAZ60-A	CNPH*6024A**	PG9MXA060100	55,000	11.0	13.5	55,000	3.56	8.0	33,800	2.54
3095895	PH13PAZ60-A	CNPH*6024A**	PG9MXA060120	55,000	11.0	13.5	55,000	3.60	8.0	33,600	2.56
3093106	PH13PAZ60-A	CNPV*6024A**+TDR		55,500	11.0	13.0	56,000	3.62	8.0	34,800	2.54
3093105	PH13PAZ60-A	CNPV*6024A**	PG8*EA060135	55,000	11.0	13.5	55,500	3.56	8.0	33,800	2.54
3095892	PH13PAZ60-A	CNPV*6024A**	PG9MXA060120	55,000	11.0	13.5	55,000	3.60	8.0	33,600	2.56
3093104	PH13PAZ60-A	CNPV*6024A**+TDR		55,500	11.0	13.0	56,000	3.62	8.0	34,800	2.54
3093111	PH13PAZ60-A	CSPH*6012A**	PG8*EA048090	55,500	11.0	13.5	55,500	3.60	8.0	34,000	2.54
3093112	PH13PAZ60-A	CSPH*6012A**	PG8*EA060110	55,500	11.0	13.5	55,500	3.66	8.0	34,000	2.58
3093113	PH13PAZ60-A	CSPH*6012A**	PG8*EA060135	55,500	11.0	13.5	55,500	3.62	8.0	34,000	2.56
3095896	PH13PAZ60-A	CSPH*6012A**	PG9MXA048080	55,000	11.0	13.0	55,500	3.54	8.0	34,000	2.52
3095897	PH13PAZ60-A	CSPH*6012A**	PG9MXA060100	55,500	11.0	13.5	55,500	3.62	8.0	33,800	2.56
3095898	PH13PAZ60-A	CSPH*6012A**	PG9MXA060120	55,500	11.0	13.5	55,500	3.66	8.0	33,800	2.60
3093110	PH13PAZ60-A	CSPH*6012A**+TDR		55,500	11.0	13.0	56,000	3.68	8.0	35,000	2.56
3093114	PH13PAZ60-A	PF4MNA061		55,500	11.0	13.5	56,000	3.80	8.0	34,600	2.64
3093115	PH13EAZ60-A	†PF4MNA060		55,500	10.5	13.0	57,000	3.58	8.0	35,600	2.50
3093117	PH13EAZ60-A	CAP**6021A**	PG8*EA048090	55,000	11.0	13.5	55,500	3.56	8.0	34,000	2.54
3093118	PH13EAZ60-A	CAP**6021A**	PG8*EA060110	55,500	11.0	13.5	55,500	3.62	8.0	34,000	2.58
3095826	PH13EAZ60-A	CAP**6021A**	PG9MXA060100	55,000	11.0	13.5	55,500	3.58	8.0	33,800	2.56
3093116	PH13EAZ60-A	CAP**6021A**+TDR		55,500	11.0	13.0	56,000	3.56	8.0	34,400	2.52
3093120	PH13EAZ60-A	CAP**6024A**	PG8*EA060135	55,000	11.0	13.5	55,500	3.58	8.0	33,800	2.54
3095827	PH13EAZ60-A	CAP**6024A**	PG9MXA060120	55,500	11.0	13.5	55,500	3.60	8.0	33,800	2.56
3093119	PH13EAZ60-A	CAP**6024A**+TDR		55,500	11.0	13.0	56,000	3.64	8.0	35,000	2.56
3093122	PH13EAZ60-A	CAP**6025A**	PG8*EA060135	55,000	11.0	13.5	55,500	3.58	8.0	33,800	2.54
3095828	PH13EAZ60-A	CAP**6025A**	PG9MXA060120	55,500	11.0	13.5	55,500	3.60	8.0	33,800	2.56
3093121	PH13EAZ60-A	CAP**6025A**+TDR		55,500	11.0	13.0	56,000	3.64	8.0	35,000	2.56
3093126	PH13EAZ60-A	CNPH*6024A**	PG8*EA048090	55,000	11.0	13.5	55,500	3.54	8.0	33,800	2.52
3093127	PH13EAZ60-A	CNPH*6024A**	PG8*EA060110	55,000	11.0	13.5	55,500	3.60	8.0	33,800	2.56
3093128	PH13EAZ60-A	CNPH*6024A**	PG8*EA060135	55,000	11.0	13.5	55,500	3.56	8.0	33,800	2.54
3095830	PH13EAZ60-A	CNPH*6024A**	PG9MXA048080	54,500	11.0	13.0	55,500	3.48	8.0	34,000	2.50
3095831	PH13EAZ60-A	CNPH*6024A**	PG9MXA060100	55,000	11.0	13.5	55,000	3.56	8.0	33,800	2.54
3095832	PH13EAZ60-A	CNPH*6024A**	PG9MXA060120	55,000	11.0	13.5	55,000	3.60	8.0	33,600	2.56
3093125	PH13EAZ60-A	CNPV*6024A**+TDR		55,500	11.0	13.0	56,000	3.62	8.0	34,800	2.54
3093124	PH13EAZ60-A	CNPV*6024A**	PG8*EA060135	55,000	11.0	13.5	55,500	3.56	8.0	33,800	2.54
3095829	PH13EAZ60-A	CNPV*6024A**	PG9MXA060120	55,000	11.0	13.5	55,000	3.60	8.0	33,600	2.56
3093123	PH13EAZ60-A	CNPV*6024A**+TDR		55,500	11.0	13.0	56,000	3.62	8.0	34,800	2.54
3093130	PH13EAZ60-A	CSPH*6012A**	PG8*EA048090	55,500	11.0	13.5	55,500	3.60	8.0	34,000	2.54
3093131	PH13EAZ60-A	CSPH*6012A**	PG8*EA060110	55,500	11.0	13.5	55,500	3.66	8.0	34,000	2.58
3093132	PH13EAZ60-A	CSPH*6012A**	PG8*EA060135	55,500	11.0	13.5	55,500	3.62	8.0	34,000	2.56
3095833	PH13EAZ60-A	CSPH*6012A**	PG9MXA048080	55,000	11.0	13.0	55,500	3.54	8.0	34,000	2.52
3095834	PH13EAZ60-A	CSPH*6012A**	PG9MXA060100	55,500	11.0	13.5	55,500	3.62	8.0	33,800	2.56
3095835	PH13EAZ60-A	CSPH*6012A**	PG9MXA060120	55,500	11.0	13.5	55,500	3.66	8.0	33,800	2.60
3093129	PH13EAZ60-A	CSPH*6012A**+TDR		55,500	11.0	13.0	56,000	3.68	8.0	35,000	2.56
3093133	PH13EAZ60-A	PF4MNA061		55,500	11.0	13.5	56,000	3.80	8.0	34,600	2.64

† 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 KAATD010TDR or a furnace equipped with TDR.

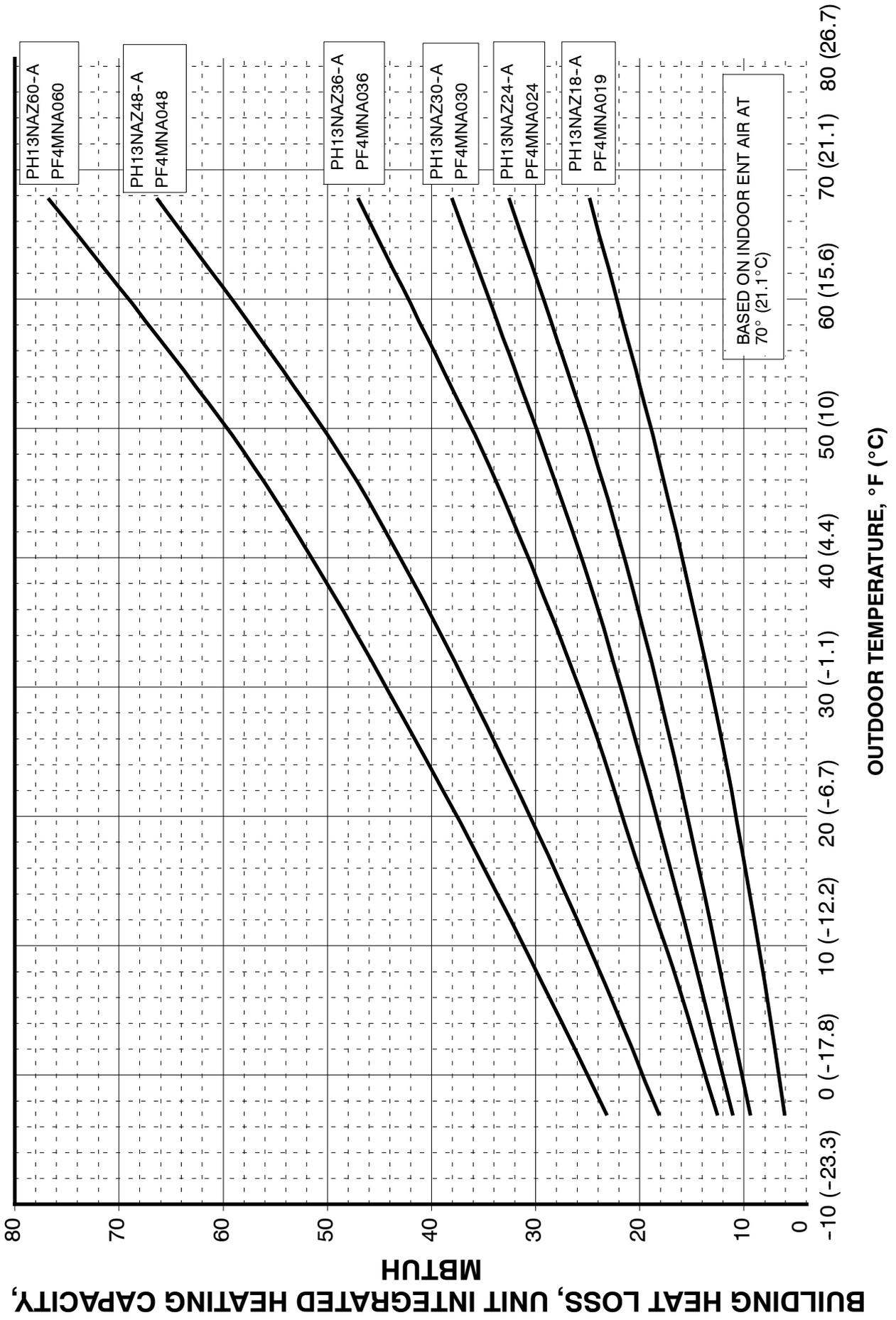
**TXV** — Thermostatic Expansion Valve

**NOTES:**

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

PH13NAZ

# PH13NAZ BALANCE POINT WORKSHEET



PH13NAZ

**DETAILED COOLING CAPACITIES#**

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)																	
CFM	EWB ° F (° C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBTuh		Total Sys. KW**	Capacity MBTuh		Total Sys. KW**	Capacity MBTuh		Total Sys. KW**	Capacity MBTuh		Total Sys. KW**	Capacity MBTuh		Total Sys. KW**	Capacity MBTuh		Total Sys. KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
<b>PH13NAZ18-A Outdoor Section With PF4MNA019 Indoor Section</b>																			
	57 (13.9)	17.41	17.41	1.26	16.66	16.66	1.44	15.87	15.87	1.64	15.04	15.04	1.86	14.15	14.15	2.10	13.18	13.18	2.36
<b>525</b>	62 (16.7)	18.03	15.46	1.25	17.08	15.01	1.43	16.10	14.55	1.64	15.10	14.04	1.86	14.15	14.15	2.10	13.17	13.17	2.36
	67 (19.4)	19.83	13.02	1.23	18.78	12.59	1.42	17.69	12.16	1.62	16.55	11.71	1.84	15.35	11.24	2.09	14.06	10.74	2.35
	72 (22.2)	21.81	10.56	1.21	20.67	10.15	1.40	19.47	9.71	1.60	18.22	9.27	1.82	16.90	8.81	2.07	15.48	8.32	2.33
	57 (13.9)	18.14	18.14	1.27	17.33	17.33	1.45	16.49	16.49	1.65	15.60	15.60	1.87	14.66	14.66	2.11	13.62	13.62	2.38
<b>600</b>	62 (16.7)	18.44	16.55	1.27	17.47	16.06	1.45	16.50	16.50	1.65	15.60	15.60	1.87	14.66	14.66	2.11	13.61	13.61	2.38
	67 (19.4)	20.24	13.84	1.25	19.14	13.40	1.43	18.00	12.96	1.64	16.82	12.50	1.86	15.57	12.02	2.10	14.24	11.51	2.37
	72 (22.2)	22.25	11.07	1.23	21.05	10.64	1.41	19.80	10.20	1.62	18.50	9.75	1.84	17.13	9.28	2.09	15.65	8.78	2.35
	57 (13.9)	18.75	18.75	1.28	17.90	17.90	1.46	17.01	17.01	1.67	16.07	16.07	1.89	15.07	15.07	2.13	13.97	13.97	2.39
<b>675</b>	62 (16.7)	18.82	18.64	1.28	17.90	17.90	1.46	17.01	17.01	1.67	16.07	16.07	1.89	15.07	15.07	2.13	13.97	13.97	2.39
	67 (19.4)	20.55	14.63	1.27	19.41	14.18	1.45	18.23	13.73	1.65	17.01	13.25	1.88	15.74	12.76	2.12	14.37	12.23	2.39
	72 (22.2)	22.58	11.55	1.24	21.34	11.12	1.43	20.05	10.67	1.63	18.71	10.21	1.86	17.30	9.74	2.10	15.78	9.23	2.37

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*PF4MNA019	1.00	1.00	
PF4MNA025	1.01	1.01	
CAP**1814A**	1.00	1.00	PG8*EA024045
CAP**2414A**	1.01	1.01	PG8*EA024045
CNPH*2417A**	1.01	1.01	PG8*EA024045
CNPV*1814A**	1.00	1.00	PG8*EA024045
CNPV*2414A**	1.01	1.01	PG8*EA024045
CSPH*2412A**	1.01	1.01	PG8*EA024045
CNPH*2417A**	1.01	1.01	PG9MTAV36050*A**
CSPH*2412A**	1.01	1.01	PG9MTAV36050*A**
CNPH*2417A**	1.01	1.01	PG9MTAV36075*A**
CSPH*2412A**	1.01	1.01	PG9MTAV36075*A**
CAP**2417A**	1.01	1.01	PG9MXXA036060
CNPH*2417A**	1.01	1.01	PG9MXXA036060
CNPV*2417A**	1.01	1.01	PG9MXXA036060
CSPH*2412A**	1.01	1.01	PG9MXXA036060

See notes on page 23

# 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 Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**
		Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	
<b>PH13NAZ24-A Outdoor Section With PF4MNA024 Indoor Section</b>																			
700	57 (13.9)	22.45	22.45	1.68	21.50	21.50	20.47	20.47	2.15	19.37	19.37	2.43	18.17	18.17	2.72	16.82	16.82	3.04	
	62 (16.7)	23.21	20.45	1.68	19.87	19.87	19.26	19.26	2.15	18.58	18.58	2.43	18.17	18.17	2.72	16.82	16.82	3.04	
	67 (19.4)	25.40	17.12	1.68	24.08	16.57	1.90	22.68	15.99	2.15	21.18	15.39	2.43	19.59	14.75	2.72	17.84	14.06	3.04
	72 (22.2)	27.81	13.77	1.68	26.37	13.23	1.90	24.81	12.65	2.15	23.19	12.07	2.42	21.44	11.44	2.72	19.50	10.76	3.03
	77 (25.0)	29.31	23.31	1.72	22.28	22.28	1.94	21.19	21.19	2.19	20.02	20.02	2.46	18.74	18.74	2.76	17.30	17.30	3.08
800	57 (13.9)	23.67	21.86	1.72	22.45	21.86	1.94	21.19	21.19	2.19	20.01	20.01	2.46	18.73	18.73	2.76	17.30	17.30	3.08
	62 (16.7)	25.84	18.17	1.71	24.47	17.61	1.94	23.00	17.02	2.19	21.45	16.40	2.46	19.80	15.75	2.76	17.99	15.03	3.07
	67 (19.4)	28.28	14.40	1.71	26.78	13.85	1.94	25.15	13.26	2.19	23.48	12.66	2.46	21.66	12.03	2.76	19.66	11.33	3.07
	72 (22.2)	24.01	24.01	1.75	22.93	22.93	1.98	21.77	21.77	2.23	20.54	20.54	2.50	19.19	19.19	2.80	17.67	17.67	3.11
	77 (25.0)	24.08	23.91	1.75	22.93	22.93	1.98	21.77	21.77	2.23	20.53	20.53	2.50	19.18	19.18	2.80	17.67	17.67	3.11
900	57 (13.9)	26.17	19.17	1.75	24.75	18.60	1.98	23.23	18.00	2.23	21.64	17.37	2.50	19.95	16.69	2.79	18.09	15.95	3.11
	62 (16.7)	28.64	14.99	1.75	27.08	14.43	1.98	25.41	13.84	2.23	23.67	13.23	2.50	21.81	12.59	2.79	19.76	11.89	3.11

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CSPH*2412A**	1.00	0.91	PG9MTAV36050*A**
CSPH*3012A**	1.02	0.89	PG9MTAV36050*A**
CNPH*2417A**	1.00	0.91	PG9MTAV36075*A**
CNPH*3017A**	1.02	0.89	PG9MTAV36075*A**
CSPH*2412A**	1.00	0.91	PG9MTAV36075*A**
CSPH*3012A**	1.02	0.89	PG9MTAV36075*A**
CNPH*2417A**	1.00	0.91	PG9MTAV60100*A**
CNPH*3017A**	1.02	0.89	PG9MTAV60100*A**
CSPH*2412A**	1.00	0.91	PG9MTAV60100*A**
CSPH*3012A**	1.02	0.89	PG9MTAV60100*A**
CNPH*2417A**	1.00	0.91	PG9MTAV60125*A**
CNPH*3017A**	1.02	0.89	PG9MTAV60125*A**
CSPH*2412A**	1.00	0.91	PG9MTAV60125*A**
CSPH*3012A**	1.02	0.89	PG9MTAV60125*A**
CAP**2417A**	1.00	0.91	PG9MXA036080
CAP**3017A**	1.02	0.89	PG9MXA036080
CNPH*2417A**	1.00	0.91	PG9MXA036080
CNPH*3017A**	1.02	0.89	PG9MXA036080
CNPV*3017A**	1.00	0.91	PG9MXA036080
CSPH*2412A**	1.02	0.89	PG9MXA036080
CSPH*3012A**	1.00	0.89	PG9MXA036080
CAP**2417A**	1.00	0.91	PG9MXA036080
CAP**3017A**	1.02	0.89	PG9MXA036080
CNPH*2417A**	1.00	0.91	PG9MXA036080
CNPH*3017A**	1.02	0.89	PG9MXA036080
CNPV*3017A**	1.00	0.91	PG9MXA036080
CSPH*2412A**	1.02	0.89	PG9MXA036080
CSPH*3012A**	1.00	0.89	PG9MXA036080
CAP**2417A**	1.00	0.91	PG9MXA036080
CAP**3017A**	1.02	0.89	PG9MXA036080
CNPH*2417A**	1.00	0.91	PG9MXA036080
CNPH*3017A**	1.02	0.89	PG9MXA036080
CNPV*3017A**	1.00	0.91	PG9MXA036080
CSPH*2412A**	1.02	0.89	PG9MXA036080
CSPH*3012A**	1.00	0.89	PG9MXA036080
CAP**2417A**	1.00	0.91	PG9MXA036080
CAP**3017A**	1.02	0.89	PG9MXA036080
CNPH*2417A**	1.00	0.91	PG9MTAV36050*A**
CNPH*3017A**	1.02	0.89	PG9MTAV36050*A**

See notes on page 23



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 Sys. KW**	Capacity MBTuh		Total Sys. KW**	Capacity MBTuh		Total Sys. KW**	Capacity MBTuh		Total Sys. KW**	Capacity MBTuh		Total Sys. KW**	Capacity MBTuh		Total Sys. KW**
		Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	
875	57 (13.9)	26.74	26.74	1.97	25.68	25.68	2.21	24.55	24.55	2.47	23.36	23.36	2.76	22.07	22.07	3.07	20.64	20.64	3.42
	62 (16.7)	27.42	23.68	1.97	26.11	23.06	2.21	24.75	22.39	2.47	23.37	23.37	2.76	22.07	22.07	3.07	20.64	20.64	3.42
	67 (19.4)	30.16	19.83	1.97	28.71	19.26	2.20	27.19	18.67	2.46	25.59	18.05	2.75	23.87	17.40	3.07	22.01	16.69	3.42
	72 (22.2)	33.26	15.93	1.96	31.70	15.97	2.20	30.06	14.80	2.46	28.33	14.20	2.75	26.47	13.57	3.07	24.44	12.88	3.41
	77 (25.0)	27.74	27.74	2.02	26.61	26.61	2.25	25.43	25.43	2.51	24.16	24.16	2.80	22.80	22.80	3.12	21.29	21.29	3.47
1000	57 (13.9)	27.99	25.24	2.02	26.64	26.64	2.25	25.42	25.42	2.51	24.16	24.16	2.80	22.80	22.80	3.12	21.29	21.29	3.47
	62 (16.7)	30.68	21.05	2.01	29.17	20.47	2.25	27.60	19.87	2.51	25.94	19.24	2.80	24.17	18.57	3.12	22.25	17.84	3.46
	67 (19.4)	33.84	16.67	2.01	32.22	16.10	2.24	30.52	15.52	2.50	28.73	14.91	2.79	26.80	14.27	3.11	24.70	13.58	3.46
	72 (22.2)	28.58	28.58	2.06	27.40	27.40	2.30	26.15	26.15	2.56	24.82	24.82	2.85	23.40	23.39	3.16	21.82	21.82	3.51
	77 (25.0)	28.60	28.58	2.07	27.39	27.39	2.30	26.15	26.15	2.56	24.82	24.82	2.85	23.39	23.39	3.16	21.82	21.82	3.51
1125	57 (13.9)	31.08	22.24	2.06	29.53	21.64	2.29	27.91	21.03	2.55	26.21	20.38	2.84	24.39	19.68	3.16	22.43	18.91	3.51
	62 (16.7)	34.29	17.38	2.05	32.62	16.80	2.29	30.87	16.21	2.55	29.02	15.59	2.84	27.04	14.95	3.16	24.89	14.25	3.50

PH13NAZ90-A Outdoor Section With PF4MNA090 Indoor Section

COOLING INDOOR MODEL	FURNACE MODEL	POWER	CAPACITY	COOLING INDOOR MODEL	FURNACE MODEL	POWER	CAPACITY	COOLING INDOOR MODEL	FURNACE MODEL	POWER	CAPACITY	COOLING INDOOR MODEL	FURNACE MODEL	POWER	CAPACITY	COOLING INDOOR MODEL	FURNACE MODEL	POWER	CAPACITY	COOLING INDOOR MODEL	FURNACE MODEL
*PF4MNA030		1.00	1.00	CAP**3621A**	PG8*EA048090	0.92	1.01	CAP**3621A**	PG8*EA048090												
FF1ENP030		0.99	0.99	CNP**3017A**	PG8*EA048090	0.96	1.00	CNP**3017A**	PG8*EA048090												
FF1ENP036		1.01	1.01	CNP**3617A**	PG8*EA048090	0.92	1.01	CNP**3617A**	PG8*EA048090												
PF4MNA036		1.01	1.01	CNP**3621A**	PG8*EA048090	0.96	1.00	CNP**3621A**	PG8*EA048090												
PF4MNA037		1.00	1.00	CSPH**3612A**	PG8*EA048090	0.92	1.01	CSPH**3612A**	PG8*EA048090												
CAP**3014A**		1.00	1.00	CAP**3619A**	PG8*EA048090	0.96	1.01	CAP**3619A**	PG8*EA048090												
CAP**3017A**		1.00	1.00	CNP**3017A**	PG8*EA048090	0.96	1.00	CNP**3017A**	PG8*EA048090												
CAP**3614A**		1.01	1.01	CNP**3617A**	PG8*EA048090	0.92	1.01	CNP**3617A**	PG8*EA048090												
CAP**3617A**		1.01	1.01	CNP**3012A**	PG8*EA048090	0.96	1.00	CNP**3012A**	PG8*EA048090												
CAP**3619A**		1.01	1.01	CSPH**3612A**	PG8*EA048090	0.92	1.01	CSPH**3612A**	PG8*EA048090												
CAP**3621A**		1.01	1.01	CAP**3619A**	PG8*EA048090	0.96	1.01	CAP**3619A**	PG8*EA048090												
CNP**3618A**		1.01	1.01	CNP**3017A**	PG8*EA048090	0.96	1.00	CNP**3017A**	PG8*EA048090												
CNP**3017A**		1.00	1.00	CNP**3617A**	PG8*EA048090	0.92	1.01	CNP**3617A**	PG8*EA048090												
CNP**3617A**		1.01	1.01	CSPH**3612A**	PG8*EA048090	0.92	1.01	CSPH**3612A**	PG8*EA048090												
CNPV**3014A**		1.00	1.00	CNP**3612A**	PG8*EA048090	0.96	1.00	CNP**3612A**	PG8*EA048090												
CNPV**3017A**		1.00	1.00	CNP**3017A**	PG8*EA048090	0.96	1.00	CNP**3017A**	PG8*EA048090												
CNPV**3617A**		1.01	1.01	CNP**3617A**	PG8*EA048090	0.92	1.01	CNP**3617A**	PG8*EA048090												
CNPV**3621A**		1.01	1.01	CSPH**3612A**	PG8*EA048090	0.92	1.01	CSPH**3612A**	PG8*EA048090												
CSPH**3612A**		1.00	1.00	CNP**3012A**	PG8*EA048090	0.96	1.00	CNP**3012A**	PG8*EA048090												
CSPH**3612A**		1.00	1.00	CNP**3017A**	PG8*EA048090	0.96	1.00	CNP**3017A**	PG8*EA048090												
CSPH**3612A**		1.00	1.00	CNP**3617A**	PG8*EA048090	0.92	1.01	CNP**3617A**	PG8*EA048090												
CSPH**3612A**		1.00	1.00	CNPV**3012A**	PG8*EA048090	0.96	1.00	CNPV**3012A**	PG8*EA048090												
CSPH**3612A**		1.00	1.00	CNPV**3017A**	PG8*EA048090	0.96	1.00	CNPV**3017A**	PG8*EA048090												
CSPH**3612A**		1.00	1.00	CNPV**3617A**	PG8*EA048090	0.92	1.01	CNPV**3617A**	PG8*EA048090												
CSPH**3612A**		1.00	1.00	CNPV**3621A**	PG8*EA048090	0.92	1.01	CNPV**3621A**	PG8*EA048090												

See notes on page 23



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 Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**
		Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†
1400	57 (13.9)	46.23	46.23	3.37	44.43	44.43	3.81	42.50	42.50	4.29	40.40	40.40	4.83	38.09	38.09	5.41	35.46	35.46	6.03
	62 (16.7)	47.80	41.89	3.37	45.53	40.81	3.81	43.15	39.65	4.29	40.62	38.37	4.82	38.09	38.09	5.41	35.46	35.46	6.03
	67 (19.4)	52.47	35.06	3.35	49.98	34.03	3.79	47.31	32.94	4.28	44.44	31.78	4.81	41.33	30.54	5.39	37.84	29.17	6.02
	72 (22.2)	57.60	28.20	3.34	54.86	27.18	3.78	51.92	26.10	4.26	48.75	24.95	4.79	45.28	23.71	5.37	41.40	22.94	5.99
	57 (13.9)	48.01	48.01	3.46	46.08	46.08	3.89	44.02	44.02	4.38	41.77	41.77	4.91	39.30	39.30	5.49	36.49	36.49	6.11
	62 (16.7)	44.78	44.78	3.45	46.44	43.60	3.89	44.03	44.03	4.38	41.77	41.77	4.91	39.30	39.30	5.49	36.49	36.49	6.11
1600	67 (19.4)	53.40	37.21	3.44	50.78	36.15	3.88	48.00	35.04	4.38	45.01	33.86	4.90	41.77	32.59	5.48	38.17	31.18	6.10
	72 (22.2)	58.60	29.47	3.43	55.73	28.43	3.86	52.66	27.33	4.35	49.35	26.16	4.88	45.75	24.90	5.46	41.71	23.51	6.08
	57 (13.9)	49.48	49.48	3.54	47.44	47.44	3.98	45.26	45.26	4.46	42.88	42.88	4.99	40.27	40.27	5.57	37.29	37.29	6.20
	62 (16.7)	49.61	49.28	3.54	47.44	47.44	3.98	45.25	45.25	4.46	42.88	42.88	4.99	40.27	40.27	5.57	37.29	37.29	6.20
	67 (19.4)	54.07	39.26	3.53	51.36	38.18	3.96	48.49	37.05	4.45	45.40	35.84	4.98	42.07	34.53	5.56	38.37	33.06	6.19
	72 (22.2)	59.33	30.67	3.51	56.36	29.62	3.95	53.17	28.50	4.43	49.76	27.31	4.96	46.04	26.03	5.54	41.89	24.62	6.16

PH13NAZ48-A Outdoor Section With PF4MNA048 Indoor Section

COOLING INDOOR MODEL		CAPACITY		POWER		FURNACE MODEL		COOLING INDOOR MODEL		CAPACITY		POWER		FURNACE MODEL	
Model	Capacity	Power	Furnace	Model	Capacity	Power	Furnace	Model	Capacity	Power	Furnace	Model	Capacity	Power	Furnace
*PF4MNA048	1.00	1.00	PG8*EA060110	CNPV*4821A**	0.99	0.95	PG8*EA060110	CNPV*4821A**	0.99	0.95	PG8*EA060110	CSPH*4812A**	0.99	0.95	PG9MXA060100
PF4MNA049	1.01	0.97	PG8*EA060110	CSPH*4812A**	0.99	0.95	PG8*EA060110	CSPH*4812A**	0.99	0.95	PG8*EA060110	CSPH*4812A**	1.00	0.92	PG9MXA060100
PF4MNA060	1.00	1.00	PG8*EA060110	CSPH*6012A**	1.00	0.92	PG8*EA060110	CAP**4824A**	0.99	0.95	PG8*EA060135	CAP**4824A**	0.99	0.95	PG9MXA060120
CAP**4817A**	0.99	0.99	PG8*EA060135	CAP**6024A**	1.00	0.92	PG8*EA060135	CAP**6025A**	1.00	0.92	PG8*EA060135	CAP**6025A**	1.00	0.92	PG9MXA060120
CAP**4821A**	0.99	0.99	PG8*EA060135	CAP**6025A**	1.00	0.92	PG8*EA060135	CNPV*4821A**	0.99	0.95	PG8*EA060135	CNPV*4821A**	0.99	0.95	PG9MXA060120
CAP**4823A**	0.99	0.99	PG8*EA060135	CNPV*4821A**	0.99	0.95	PG8*EA060135	CNPV*4824A**	0.99	0.95	PG8*EA060135	CNPV*4824A**	0.99	0.95	PG9MXA060120
CAP**4824A**	0.99	0.99	PG8*EA060135	CNPV*4824A**	0.99	0.95	PG8*EA060135	CSPH*6024A**	1.00	0.92	PG8*EA060135	CSPH*6024A**	1.00	0.92	PG9MXA060120
CAP**6021A**	1.00	1.00	PG8*EA060135	CSPH*6024A**	1.00	0.92	PG8*EA060135	CSPH*4812A**	0.99	0.95	PG8*EA060135	CSPH*4812A**	0.99	0.95	PG9MXA060120
CAP**6024A**	1.00	1.00	PG8*EA060135	CSPH*4812A**	0.99	0.95	PG8*EA060135	CSPH*6012A**	1.00	0.92	PG8*EA060135	CSPH*6012A**	1.00	0.92	PG9MXA060120
CNPV*4818A**	0.98	0.98	PG8*EA060135	CSPH*6012A**	1.00	0.92	PG8*EA060135	CAP**4824A**	0.99	0.95	PG8*EA060135	CAP**4824A**	0.99	0.95	PG9MXA060120
CNPV*4821A**	0.99	0.99	PG9MTAV60100*A**	CAP**4823A**	0.99	0.99	PG9MTAV60100*A**	CNPV*4821A**	0.99	0.95	PG8*EA060135	CNPV*4821A**	0.99	0.95	PG9MXA060120
CNPV*6024A**	1.00	1.00	PG9MTAV60100*A**	CNPV*4821A**	0.99	0.95	PG9MTAV60100*A**	CNPV*4824A**	0.99	0.95	PG8*EA060135	CNPV*4824A**	0.99	0.95	PG9MXA060120
CNPV*4821A**	0.99	0.99	PG9MTAV60100*A**	CNPV*4824A**	0.99	0.95	PG9MTAV60100*A**	CSPH*4812A**	0.99	0.95	PG8*EA060135	CSPH*4812A**	0.99	0.95	PG9MXA060120
CNPV*4824A**	0.99	0.99	PG9MTAV60100*A**	CNPV*6024A**	1.00	0.92	PG9MTAV60100*A**	CSPH*6012A**	1.00	0.92	PG8*EA060135	CSPH*6012A**	1.00	0.92	PG9MXA060120
CSPH*4812A**	0.99	0.99	PG9MTAV60125*A**	CNPV*6025A**	1.00	0.92	PG9MTAV60125*A**	CAP**4824A**	0.99	0.95	PG8*EA060135	CAP**4824A**	0.99	0.95	PG9MXA060120
CSPH*6012A**	1.00	1.00	PG9MTAV60125*A**	CAP**4824A**	0.99	0.95	PG9MTAV60125*A**	CAP**6025A**	1.00	0.92	PG8*EA060135	CAP**6025A**	1.00	0.92	PG9MXA060120
CAP**4817A**	0.99	0.99	PG9MTAV60125*A**	CAP**6025A**	1.00	0.92	PG9MTAV60125*A**	CNPV*4821A**	0.99	0.95	PG8*EA060135	CNPV*4821A**	0.99	0.95	PG9MXA060120
CAP**4821A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4821A**	0.99	0.95	PG9MTAV60125*A**	CNPV*4824A**	0.99	0.95	PG8*EA060135	CNPV*4824A**	0.99	0.95	PG9MXA060120
CAP**4823A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4824A**	0.99	0.95	PG9MTAV60125*A**	CNPV*6024A**	1.00	0.92	PG8*EA060135	CNPV*6024A**	1.00	0.92	PG9MXA060120
CAP**4824A**	0.99	0.99	PG9MTAV60125*A**	CNPV*6024A**	1.00	0.92	PG9MTAV60125*A**	CNPV*6025A**	1.00	0.92	PG8*EA060135	CNPV*6025A**	1.00	0.92	PG9MXA060120
CNPV*4812A**	0.99	0.99	PG9MTAV60125*A**	CNPV*6025A**	1.00	0.92	PG9MTAV60125*A**	CNPV*4817A**	0.99	0.95	PG8*EA060135	CNPV*4817A**	0.99	0.95	PG9MXA060120
CNPV*4821A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4817A**	0.99	0.95	PG9MTAV60125*A**	CNPV*6021A**	1.00	0.92	PG8*EA060135	CNPV*6021A**	1.00	0.92	PG9MXA060120
CNPV*4824A**	0.99	0.99	PG9MTAV60125*A**	CNPV*6021A**	1.00	0.92	PG9MTAV60125*A**	CNPV*4821A**	0.99	0.95	PG8*EA060135	CNPV*4821A**	0.99	0.95	PG9MXA060120
CSPH*4812A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4821A**	0.99	0.95	PG9MTAV60125*A**	CNPV*4824A**	0.99	0.95	PG8*EA060135	CNPV*4824A**	0.99	0.95	PG9MXA060120
CSPH*6012A**	1.00	1.00	PG9MTAV60125*A**	CNPV*4824A**	0.99	0.95	PG9MTAV60125*A**	CNPV*6021A**	1.00	0.92	PG8*EA060135	CNPV*6021A**	1.00	0.92	PG9MXA060120
CAP**4817A**	0.99	0.99	PG9MTAV60125*A**	CNPV*6021A**	1.00	0.92	PG9MTAV60125*A**	CNPV*4812A**	0.99	0.95	PG8*EA060135	CNPV*4812A**	0.99	0.95	PG9MXA060120
CAP**4821A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4812A**	0.99	0.95	PG9MTAV60125*A**	CNPV*4821A**	0.99	0.95	PG8*EA060135	CNPV*4821A**	0.99	0.95	PG9MXA060120
CAP**4823A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4821A**	0.99	0.95	PG9MTAV60125*A**	CNPV*4824A**	0.99	0.95	PG8*EA060135	CNPV*4824A**	0.99	0.95	PG9MXA060120
CAP**4824A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4824A**	0.99	0.95	PG9MTAV60125*A**	CNPV*6021A**	1.00	0.92	PG8*EA060135	CNPV*6021A**	1.00	0.92	PG9MXA060120
CNPV*4812A**	0.99	0.99	PG9MTAV60125*A**	CNPV*6021A**	1.00	0.92	PG9MTAV60125*A**	CNPV*4812A**	0.99	0.95	PG8*EA060135	CNPV*4812A**	0.99	0.95	PG9MXA060120
CNPV*4821A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4812A**	0.99	0.95	PG9MTAV60125*A**	CNPV*4821A**	0.99	0.95	PG8*EA060135	CNPV*4821A**	0.99	0.95	PG9MXA060120
CNPV*4824A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4821A**	0.99	0.95	PG9MTAV60125*A**	CNPV*4824A**	0.99	0.95	PG8*EA060135	CNPV*4824A**	0.99	0.95	PG9MXA060120
CSPH*4812A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4824A**	0.99	0.95	PG9MTAV60125*A**	CNPV*6021A**	1.00	0.92	PG8*EA060135	CNPV*6021A**	1.00	0.92	PG9MXA060120
CSPH*6012A**	1.00	1.00	PG9MTAV60125*A**	CNPV*6021A**	1.00	0.92	PG9MTAV60125*A**	CNPV*4812A**	0.99	0.95	PG8*EA060135	CNPV*4812A**	0.99	0.95	PG9MXA060120
CAP**4817A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4812A**	0.99	0.95	PG9MTAV60125*A**	CNPV*4821A**	0.99	0.95	PG8*EA060135	CNPV*4821A**	0.99	0.95	PG9MXA060120
CAP**4821A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4821A**	0.99	0.95	PG9MTAV60125*A**	CNPV*4824A**	0.99	0.95	PG8*EA060135	CNPV*4824A**	0.99	0.95	PG9MXA060120
CAP**4823A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4824A**	0.99	0.95	PG9MTAV60125*A**	CNPV*6021A**	1.00	0.92	PG8*EA060135	CNPV*6021A**	1.00	0.92	PG9MXA060120
CAP**4824A**	0.99	0.99	PG9MTAV60125*A**	CNPV*6021A**	1.00	0.92	PG9MTAV60125*A**	CNPV*4812A**	0.99	0.95	PG8*EA060135	CNPV*4812A**	0.99	0.95	PG9MXA060120
CNPV*4812A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4812A**	0.99	0.95	PG9MTAV60125*A**	CNPV*4821A**	0.99	0.95	PG8*EA060135	CNPV*4821A**	0.99	0.95	PG9MXA060120
CNPV*4821A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4821A**	0.99	0.95	PG9MTAV60125*A**	CNPV*4824A**	0.99	0.95	PG8*EA060135	CNPV*4824A**	0.99	0.95	PG9MXA060120
CNPV*4824A**	0.99	0.99	PG9MTAV60125*A**	CNPV*4824A**	0.99	0.95	PG9MTAV60125*A**	CNPV*6021A**	1.00	0.92	PG8*EA060135	CNPV*6021A**	1.00	0.92	PG9MXA060120
CSPH*4812A**	0.99	0.99	PG9MTAV60125*A**	CNPV*6021A**	1.00	0.92	PG9MTAV60125*A**	CNPV*4812A**	0.99	0.95	PG8*EA060135	CNPV*4812A**	0.99	0.95	

# 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 Sys. KW**	Capacity MBTuh		Total Sys. KW**	Capacity MBTuh		Total Sys. KW**	Capacity MBTuh		Total Sys. KW**	Capacity MBTuh		Total Sys. KW**	Capacity MBTuh		Total Sys. KW**
		Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	
PH13NAZ60-A Outdoor Section With PF4MNA060 Indoor Section																			
	57 (13.9)	55.23	55.23	4.02	52.89	52.89	4.46	50.39	50.39	4.94	47.68	47.68	5.48	44.70	44.70	6.06	41.27	41.27	6.69
1750	62 (16.7)	56.78	50.07	4.03	53.89	48.89	4.47	50.86	47.21	4.95	47.70	47.70	5.48	44.70	44.70	6.06	41.27	41.27	6.69
	67 (19.4)	62.09	41.69	4.06	58.84	40.36	4.49	55.38	38.97	4.97	51.69	37.50	5.50	47.71	35.94	6.07	43.29	34.22	6.69
	72 (22.2)	67.81	33.20	4.09	64.18	31.87	4.52	60.30	30.47	5.00	56.16	28.99	5.52	51.73	27.44	6.09	48.71	25.71	6.70
2000	57 (13.9)	57.21	57.21	4.15	54.70	4.59	52.01	52.01	5.07	49.09	49.09	5.60	45.87	45.87	6.18	42.20	42.20	6.81	6.81
	62 (16.7)	57.83	53.47	4.15	54.88	54.40	4.59	52.00	52.00	5.07	49.08	49.08	5.60	45.87	45.87	6.18	42.20	42.20	6.81
	67 (19.4)	63.02	44.22	4.18	59.82	42.87	4.61	56.00	41.44	5.09	52.16	39.93	5.61	48.03	38.33	6.19	43.46	36.54	6.81
	72 (22.2)	68.76	34.66	4.21	64.97	33.31	4.64	60.91	31.87	5.11	56.61	30.37	5.63	52.03	28.80	6.20	46.83	27.04	6.81
2250	57 (13.9)	58.83	58.83	4.27	56.16	56.16	4.71	53.29	53.29	5.19	50.18	50.18	5.72	46.77	46.77	6.30	42.85	42.85	6.92
	62 (16.7)	58.83	58.83	4.27	56.15	56.15	4.71	53.29	53.29	5.19	50.18	50.18	5.72	46.76	46.76	6.30	42.85	42.85	6.92
	67 (19.4)	63.66	46.64	4.30	60.14	45.25	4.73	56.40	43.79	5.21	52.44	42.24	5.73	48.21	40.58	6.30	43.52	38.70	6.92
	72 (22.2)	69.43	36.04	4.33	65.50	34.67	4.76	61.30	33.21	5.23	56.88	31.70	5.75	52.11	30.08	6.31	46.77	28.31	6.92

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
PF4MNA061	1.00	0.95		CAP**6021A**	1.00	0.95	PG8*EA060110	CAP**6021A**	1.00	0.95	PG8*EA060110	CAP**6021A**	1.00	0.95	PG9MXA060100
CAP**6021A**	1.00	0.95		CNPH*6024A**	0.99	0.95	PG8*EA060110	CNPH*6024A**	0.99	0.95	PG8*EA060110	CNPH*6024A**	0.99	0.95	PG9MXA060100
CAP**6024A**	1.00	0.95		CSPH*6012A**	1.00	0.95	PG8*EA060135	CSPH*6012A**	1.00	0.95	PG8*EA060135	CSPH*6012A**	1.00	0.95	PG9MXA060120
CAP**6025A**	1.00	0.95		CAP**6024A**	0.99	0.95	PG8*EA060135	CAP**6024A**	0.99	0.95	PG8*EA060135	CAP**6024A**	1.00	0.95	PG9MXA060120
CNPH*6024A**	1.00	0.95		CAP**6025A**	0.99	0.95	PG8*EA060135	CAP**6025A**	0.99	0.95	PG8*EA060135	CAP**6025A**	1.00	0.95	PG9MXA060120
CNPH*6024A**	1.00	0.95		CNPH*6024A**	0.99	0.95	PG8*EA060135	CNPH*6024A**	0.99	0.95	PG8*EA060135	CNPH*6024A**	0.99	0.95	PG9MXA060120
CSPH*6012A**	1.00	0.95	PG8*EA048090	CNPV*6024A**	0.99	0.95	PG8*EA060135	CNPV*6024A**	0.99	0.95	PG8*EA060135	CNPV*6024A**	0.99	0.95	PG9MXA060120
CAP**6021A**	0.99	0.95	PG8*EA048090	CSPH*6012A**	1.00	0.95	PG8*EA060135	CSPH*6012A**	1.00	0.95	PG8*EA060135	CSPH*6012A**	1.00	0.95	PG9MXA060120
CNPH*6024A**	0.99	0.95	PG8*EA048090	CNPH*6024A**	0.98	0.94	PG9MXA048090	CNPH*6024A**	0.98	0.94	PG9MXA048090	CNPH*6024A**	0.98	0.94	PG9MXA060120

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

# Detailed Cooling Capacities are based on indoor and outdoor unit at the same elevation per the latest edition of ARI standard 210/240. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

\* Tested Combination

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

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

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

\*\* Total system kW is total of indoor and outdoor unit kilowatts.



PH13NAZ

# HEAT PUMP HEATING PERFORMANCE

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)																							
		-3 (-19.4)		7 (-13.9)		17 (-8.3)		27 (-2.8)		37 (2.8)		47 (8.3)		57 (13.9)		67 (19.4)									
EDB ° F (° C)	CFM	Capacity MBtuh		Total Sys. KW†		Capacity MBtuh		Total Sys. KW†		Capacity MBtuh		Total Sys. KW†		Capacity MBtuh		Total Sys. KW†									
		Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*								
65 (18.3)	525	6.23	5.73	1.13	8.15	7.49	1.17	10.20	9.30	1.22	12.54	11.14	1.27	15.17	13.81	1.33	18.09	18.09	1.42	21.35	21.35	1.52	24.96	24.96	1.61
	600	6.35	5.84	1.13	8.28	7.61	1.17	10.36	9.44	1.21	12.73	11.31	1.25	15.39	14.01	1.31	18.35	18.35	1.39	21.60	21.60	1.47	25.12	25.12	1.57
	675	6.45	5.94	1.14	8.38	7.71	1.18	10.50	9.57	1.21	12.89	11.45	1.25	15.59	14.18	1.30	18.56	18.56	1.38	21.73	21.73	1.45	25.15	25.15	1.55
70 (21.1)	525	5.94	5.47	1.18	7.88	7.24	1.23	9.95	9.08	1.28	12.24	10.87	1.34	14.86	13.52	1.41	17.74	17.74	1.49	20.95	20.95	1.60	24.58	24.58	1.70
	600	6.06	5.57	1.18	8.01	7.36	1.23	10.10	9.21	1.28	12.43	11.04	1.32	15.08	13.72	1.39	18.00	18.00	1.46	21.23	21.23	1.55	24.80	24.80	1.65
	675	6.16	5.67	1.19	8.12	7.47	1.24	10.23	9.33	1.27	12.59	11.19	1.32	15.26	13.89	1.45	18.19	18.19	1.45	21.41	21.41	1.52	24.89	24.89	1.63
75 (23.9)	525	5.63	5.18	1.23	7.61	6.99	1.29	9.69	8.84	1.35	11.94	10.60	1.41	14.55	13.24	1.48	17.39	17.39	1.57	20.54	20.54	1.68	24.18	24.18	1.79
	600	5.75	5.29	1.24	7.74	7.11	1.29	9.84	8.97	1.34	12.13	10.77	1.39	14.77	13.44	1.46	17.65	17.65	1.54	20.85	20.85	1.65	24.44	24.44	1.74
	675	5.85	5.39	1.25	7.86	7.22	1.30	9.97	9.09	1.34	12.29	10.92	1.39	14.95	13.60	1.45	17.86	17.86	1.52	21.06	21.06	1.61	24.58	24.58	1.71

PH13NAZ18--A Outdoor Section With PF4MNA019 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*PF4MNA019	1.00	1.00	
PF4MNA025	1.00	0.99	
CAP**1814A**	1.00	1.04	PG8*EA024045
CAP**2414A**	1.00	0.98	PG8*EA024045
CNPH*2417A**	1.00	0.97	PG8*EA024045
CNPV*1814A**	1.00	1.00	PG8*EA024045
CNPV*2414A**	1.00	0.97	PG8*EA024045
CSPH*2412A**	1.00	0.98	PG8*EA024045
CNPH*2417A**	1.00	0.95	PG9MTAV36050*A**
CSPH*2412A**	1.00	0.95	PG9MTAV36050*A**
CNPH*2417A**	1.00	0.95	PG9MTAV36075*A**
CSPH*2412A**	1.00	0.95	PG9MTAV36075*A**
CAP**2417A**	1.00	0.96	PG9MXXA036060
CNPH*2417A**	1.00	0.97	PG9MXXA036060
CNPV*2417A**	1.00	0.97	PG9MXXA036060
CSPH*2412A**	1.00	0.99	PG9MXXA036060

See notes on page 29

# HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)																
		-3 (-19.4)		7 (-13.9)		17 (-8.3)		27 (-2.8)		37 (2.8)		47 (8.3)		57 (13.9)		67 (19.4)		
		Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	
EDB ° F (° C)	CFM	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	
		PH13NAZ24--A Outdoor Section With PF4MNA024 Indoor Section																
65 (18.3)	700	9.57	8.81	12.07	11.10	14.70	13.41	17.48	15.53	17.71	20.55	18.70	17.77	24.05	24.05	1.84	1.84	1.93
	800	9.77	8.99	12.29	11.29	14.92	13.60	17.73	15.75	17.1	20.86	18.99	1.75	24.42	24.42	1.81	1.81	1.89
	900	9.95	9.16	12.48	11.47	15.13	13.79	17.94	15.94	1.71	21.14	19.23	1.74	24.73	24.73	1.80	1.80	1.87
70 (21.1)	700	9.18	8.44	11.73	10.78	14.38	13.11	17.18	15.26	1.81	20.17	18.35	1.86	23.64	23.64	1.94	1.94	2.03
	800	9.40	8.64	11.96	10.99	14.60	13.31	17.43	15.48	1.80	20.48	18.64	1.85	24.00	24.00	1.91	1.91	1.99
	900	9.58	8.81	12.15	11.17	14.81	13.50	17.65	15.68	1.80	20.75	18.89	1.84	24.31	24.31	1.90	1.90	1.97
75 (23.9)	700	8.77	8.07	11.37	10.45	14.02	12.79	16.86	14.96	1.91	19.84	18.06	1.97	23.24	23.24	2.04	2.04	2.14
	800	8.97	8.25	11.59	10.65	14.26	13.00	17.10	15.19	1.90	20.23	18.41	1.95	23.59	23.59	2.01	2.01	2.10
	900	9.16	8.42	11.79	10.84	14.50	13.22	17.35	15.41	1.90	20.37	18.54	1.94	23.89	23.89	2.00	2.00	2.08

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*3017A**	1.01	0.94	PG9MTAV36075*A**
CSPH*2412A**	1.00	0.95	PG9MTAV36075*A**
CSPH*3012A**	1.01	0.94	PG9MTAV36075*A**
CNPH*2417A**	1.00	0.92	PG9MTAV60100*A**
CNPH*3017A**	1.01	0.91	PG9MTAV60100*A**
CSPH*2412A**	1.00	0.92	PG9MTAV60100*A**
CSPH*3012A**	1.01	0.91	PG9MTAV60100*A**
CNPH*2417A**	1.00	0.91	PG9MTAV60125*A**
CNPH*3017A**	1.01	0.90	PG9MTAV60125*A**
CSPH*2412A**	1.00	0.91	PG9MTAV60125*A**
CSPH*3012A**	1.01	0.90	PG9MTAV60125*A**
CAP**2417A**	1.00	0.91	PG9MXA036060
CAP**3017A**	1.01	0.90	PG9MXA036060
CNPH*2417A**	1.00	0.91	PG9MXA036060
CNPH*3017A**	1.01	0.90	PG9MXA036060
CNPV*2417A**	1.00	0.91	PG9MXA036060
CNPV*3017A**	1.01	0.90	PG9MXA036060
CSPH*2412A**	1.00	0.91	PG9MXA036060
CSPH*3012A**	1.01	0.91	PG9MXA036060

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*PF4MNA024	1.00	1.00	
FF1ENP024	1.00	1.00	
FF1ENP030	1.01	1.00	
PF4MNA025	1.00	0.94	
PF4MNA030	1.01	0.98	
PF4MNA031	1.01	0.92	
CAP**2414A**	1.00	0.98	
CAP**2417A**	1.00	0.98	
CAP**3014A**	1.01	0.98	
CAP**3017A**	1.01	0.98	
CNPF*2418A**	1.00	0.96	
CNPH*2417A**	1.00	0.96	
CNPH*3017A**	1.01	0.98	
CNPV*2414A**	1.00	0.96	
CNPV*2417A**	1.00	0.96	
CNPV*3014A**	1.01	0.98	
CNPV*3017A**	1.01	0.98	
CSPH*2412A**	1.00	0.95	
CSPH*3012A**	1.01	0.98	
CAP**2417A**	1.00	0.92	PG9MXA036080
CAP**3017A**	1.01	0.92	PG9MXA036080
CNPH*2417A**	1.00	0.92	PG9MXA036080
CNPH*3017A**	1.01	0.92	PG9MXA036080
CNPV*2417A**	1.00	0.92	PG9MXA036080
CNPV*3017A**	1.01	0.92	PG9MXA036080
CSPH*2412A**	1.00	0.92	PG9MXA036080
CSPH*3012A**	1.01	0.92	PG9MXA036080
CAP**2414A**	1.00	0.95	PG8*EA024045
CAP**3014A**	1.01	0.94	PG8*EA024045
CNPH*2417A**	1.00	0.94	PG8*EA024045
CNPH*3017A**	1.01	0.94	PG8*EA024045
CNPV*2414A**	1.00	0.94	PG8*EA024045
CNPV*3014A**	1.01	0.95	PG8*EA024045
CSPH*2412A**	1.00	0.94	PG8*EA024045
CSPH*3012A**	1.01	0.94	PG8*EA024045
CNPH*2417A**	1.00	0.95	PG9MTAV36050*A**
CNPH*3017A**	1.01	0.94	PG9MTAV36050*A**
CNPV*2412A**	1.00	0.95	PG9MTAV36050*A**
CNPV*3012A**	1.01	0.95	PG9MTAV36050*A**
CNPH*2417A**	1.00	0.94	PG9MTAV36075*A**

See notes on page 29



# HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)																							
		-3 (-19.4)			7 (-13.9)			17 (-8.3)			27 (-2.8)			37 (2.8)			47 (8.3)			57 (13.9)			67 (19.4)		
EDB ° F (° C)	CFM	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†
		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
65 (18.3)	875	11.35	10.44	2.08	14.36	13.20	2.09	17.52	15.97	2.09	20.91	18.57	2.10	24.53	22.32	2.11	28.67	26.67	2.15	33.12	33.12	2.15	38.07	38.07	2.25
	1000	11.60	10.66	2.11	14.63	13.44	2.10	17.82	16.25	2.10	21.21	18.84	2.09	24.90	22.66	2.10	29.11	29.11	2.12	33.65	33.65	2.12	38.68	38.68	2.21
	1125	11.83	10.89	2.14	14.87	13.67	2.13	18.08	16.48	2.11	21.49	19.09	2.10	25.25	22.98	2.10	29.48	29.48	2.12	34.09	34.09	2.12	39.18	39.18	2.19
70 (21.1)	875	10.86	9.99	2.17	13.91	12.78	2.18	17.10	15.59	2.19	20.49	18.20	2.20	24.07	21.90	2.22	28.17	28.17	2.25	32.56	32.56	2.29	37.41	37.41	2.35
	1000	11.11	10.22	2.20	14.19	13.04	2.20	17.40	15.86	2.20	20.82	18.49	2.20	24.44	22.24	2.20	28.60	28.60	2.23	33.08	33.08	2.25	38.03	38.03	2.31
	1125	11.35	10.44	2.23	14.43	13.26	2.22	17.65	16.09	2.21	21.08	18.73	2.20	24.77	22.54	2.20	28.97	28.97	2.22	33.50	33.50	2.25	38.53	38.53	2.29
75 (23.9)	875	10.33	9.51	2.26	13.43	12.34	2.28	16.65	15.18	2.29	20.05	17.81	2.31	23.64	21.51	2.33	27.58	27.58	2.36	31.99	31.99	2.37	36.77	36.77	2.46
	1000	10.58	9.74	2.29	13.71	12.59	2.30	16.96	15.46	2.30	20.37	18.09	2.30	23.99	21.83	2.31	28.10	28.10	2.34	32.51	32.51	2.37	37.38	37.38	2.42
	1125	10.82	9.96	2.32	13.95	12.82	2.32	17.21	15.69	2.32	20.68	18.37	2.31	24.31	22.12	2.31	28.47	28.47	2.33	32.94	32.94	2.33	37.88	37.88	2.39

PH13NAZ30--A Outdoor Section With PF4MNA030 Indoor Section

HEATING INDOOR MODEL	CAPACITY		POWER	CAPACITY		POWER	FURNACE MODEL	
	Total	Integ*		Total	Integ*		Total	Integ*
CNPV*3621A**	1.00	0.96	1.00	0.99	0.95	0.95	PG8*EA048090	
FF4MNA030	1.00	1.02	1.00	0.99	0.96	0.96	PG8*EA048090	
FF1ENP030	1.01	1.00	1.00	1.01	0.93	0.93	PG8*EA048090	
PF4MNA031	1.00	0.95	1.00	1.00	0.98	0.98	PG9MTAV36050*A**	
PF4MNA036	1.01	1.01	1.01	1.00	0.99	0.99	PG9MTAV36050*A**	
PF4MNA037	1.01	0.96	1.00	1.00	0.99	0.99	PG9MTAV36050*A**	
CAP**3017A**	1.00	1.00	1.00	1.01	0.96	0.96	PG9MTAV36050*A**	
CAP**3617A**	1.01	1.00	1.00	1.01	0.98	0.98	PG9MTAV36075*A**	
CAP**3619A**	1.01	1.00	1.00	1.00	0.98	0.98	PG9MTAV36075*A**	
CAP**3621A**	1.01	1.00	1.00	1.00	0.99	0.99	PG9MTAV36075*A**	
CNPV*3618A**	1.01	1.00	1.00	1.01	0.95	0.95	PG9MTAV36075*A**	
CNPV*3017A**	1.00	1.00	1.00	1.00	0.96	0.96	PG9MTAV60100*A**	
CNPV*3617A**	1.01	1.00	1.00	1.00	0.96	0.96	PG9MTAV60100*A**	
CNPV*3014A**	1.00	1.00	1.00	1.00	0.97	0.97	PG9MTAV60100*A**	
CNPV*3617A**	1.00	1.00	1.00	1.01	0.92	0.92	PG9MTAV60100*A**	
CNPV*3617A**	1.01	1.00	1.00	0.99	0.95	0.95	PG9MTAV60125*A**	
CNPV*3621A**	1.01	1.00	1.00	0.99	0.95	0.95	PG9MTAV60125*A**	
CSPH*3012A**	1.00	0.99	0.99	1.01	0.92	0.92	PG9MTAV60125*A**	
CAP**3017A**	0.99	0.95	0.95	0.99	0.94	0.94	PG9MXA036060	
CAP**3617A**	0.99	0.94	0.94	1.00	0.94	0.94	PG9MXA036060	
CNPV*3017A**	0.99	0.95	0.95	0.99	0.94	0.94	PG9MXA036060	
CNPV*3617A**	0.99	0.95	0.95	1.00	0.95	0.95	PG9MXA036060	
CNPV*3017A**	0.99	0.95	0.95	1.00	0.94	0.94	PG9MXA036060	
CNPV*3617A**	0.99	0.95	0.95	1.00	0.95	0.95	PG9MXA036060	
CSPH*3012A**	0.99	0.95	0.95	0.99	0.94	0.94	PG9MXA036060	
CSPH*3612A**	1.00	0.91	0.91	1.00	0.91	0.91	PG9MXA036060	
CAP**3017A**	1.00	0.97	0.97	0.99	0.94	0.94	PG9MXA048090	
CAP**3617A**	1.00	0.96	0.96	1.00	0.93	0.93	PG9MXA048090	
CNPV*3017A**	1.00	0.97	0.97	0.99	0.94	0.94	PG9MXA048090	
CNPV*3617A**	1.00	0.97	0.97	1.00	0.94	0.94	PG9MXA048090	
CNPV*3017A**	1.00	0.97	0.97	0.99	0.94	0.94	PG9MXA048090	
CNPV*3617A**	1.00	0.97	0.97	1.00	0.94	0.94	PG9MXA048090	
CSPH*3012A**	1.00	0.97	0.97	1.00	0.94	0.94	PG9MXA048090	
CSPH*3612A**	1.00	0.97	0.97	0.99	0.94	0.94	PG9MXA048090	
CAP**3017A**	1.00	0.94	0.94	1.00	0.94	0.94	PG9MXA048090	
CAP**3621A**	1.00	0.94	0.94	0.99	0.94	0.94	PG9MXA048090	
CNPV*3017A**	1.00	0.96	0.96	1.00	0.90	0.90	PG9MXA048090	
CNPV*3617A**	1.00	0.96	0.96	1.00	0.90	0.90	PG9MXA048090	

See notes on page 29

HEATING INDOOR MODEL	CAPACITY		POWER	FURNACE MODEL	
	Total	Integ*		Total	Integ*
CNPV*3012A**	1.00	0.99	1.00	0.99	0.95
CSPH*3612A**	1.01	0.97	0.97	1.01	0.92
CAP**3017A**	0.99	0.95	0.95	0.99	0.94
CAP**3617A**	0.99	0.94	0.94	1.00	0.94
CNPV*3017A**	0.99	0.95	0.95	0.99	0.94
CNPV*3617A**	0.99	0.95	0.95	1.00	0.95
CNPV*3017A**	0.99	0.95	0.95	1.00	0.94
CNPV*3617A**	0.99	0.95	0.95	1.00	0.95
CSPH*3012A**	0.99	0.95	0.95	0.99	0.94
CSPH*3612A**	1.00	0.91	0.91	1.00	0.91
CAP**3017A**	1.00	0.97	0.97	0.99	0.94
CAP**3617A**	1.00	0.96	0.96	1.00	0.93
CNPV*3017A**	1.00	0.97	0.97	0.99	0.94
CNPV*3617A**	1.00	0.97	0.97	1.00	0.94
CNPV*3017A**	1.00	0.97	0.97	0.99	0.94
CNPV*3617A**	1.00	0.97	0.97	1.00	0.94
CSPH*3012A**	1.00	0.97	0.97	1.00	0.94
CSPH*3612A**	1.00	0.97	0.97	0.99	0.94
CAP**3017A**	1.00	0.94	0.94	1.00	0.94
CAP**3621A**	1.00	0.94	0.94	0.99	0.94
CNPV*3017A**	1.00	0.96	0.96	1.00	0.90
CNPV*3617A**	1.00	0.96	0.96	1.00	0.90

# HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES * F (°C)																							
		-3 (-19.4)			7 (-13.9)			17 (-8.3)			27 (-2.8)			37 (2.8)			47 (8.3)			57 (13.9)			67 (19.4)		
		Capacity MBtuh		Total Sys. KWT	Capacity MBtuh		Total Sys. KWT	Capacity MBtuh		Total Sys. KWT	Capacity MBtuh		Total Sys. KWT	Capacity MBtuh		Total Sys. KWT	Capacity MBtuh		Total Sys. KWT	Capacity MBtuh		Total Sys. KWT	Capacity MBtuh		Total Sys. KWT
EDB ° F (°C)	CFM	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*		
		65 (18.3)	1050	12.91	11.88	2.38	15.18	2.43	20.35	18.56	21.86	2.54	29.25	26.61	2.61	34.46	34.46	2.69	40.41	40.41	2.80	46.94	46.94	2.83	52.91
	1200	13.20	12.14	2.41	16.82	2.45	20.74	18.91	22.23	2.54	29.72	27.05	2.60	35.14	35.14	2.67	41.10	41.10	2.76	47.76	47.76	2.88	54.48	54.48	
	1350	13.45	12.37	2.45	17.12	2.49	21.09	19.22	22.57	2.56	30.14	27.42	2.60	35.63	35.63	2.67	41.66	41.66	2.75	48.48	48.48	2.85	56.02	56.02	
70 (21.1)	1050	12.29	11.30	2.48	15.93	2.54	19.80	18.05	21.39	2.67	28.71	26.13	2.74	33.81	33.81	2.82	39.71	39.71	2.94	46.15	46.15	3.07	52.60	52.60	
	1200	12.61	11.60	2.52	16.34	2.57	20.20	18.42	20.82	2.67	29.19	26.56	2.73	34.40	34.40	2.80	40.39	40.39	2.90	46.97	46.97	3.01	53.14	53.14	
	1350	12.90	11.87	2.56	16.70	2.61	20.55	18.74	21.16	2.68	29.60	26.93	2.73	34.90	34.90	2.79	40.96	40.96	2.88	47.62	47.62	2.98	53.68	53.68	
75 (23.9)	1050	11.65	10.72	2.59	15.30	2.66	19.23	17.53	20.88	2.80	28.15	25.62	2.88	33.19	33.19	2.96	39.02	39.02	3.08	45.37	45.37	3.22	50.16	50.16	
	1200	11.98	11.02	2.63	15.67	2.69	19.63	17.89	21.27	2.80	28.63	26.06	2.88	33.74	33.74	2.94	39.89	39.89	3.04	46.17	46.17	3.16	50.70	50.70	
	1350	12.27	11.29	2.67	15.99	2.72	19.98	18.22	21.61	2.81	29.05	26.44	2.87	34.24	34.24	2.93	40.25	40.25	3.02	46.83	46.83	3.13	51.22	51.22	

PH13NAZ36 - A Outdoor Section With PFAMNA036 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL		POWER	FURNACE MODEL	CAPACITY		POWER	FURNACE MODEL	HEATING INDOOR MODEL		POWER	FURNACE MODEL	CAPACITY		POWER	FURNACE MODEL	HEATING INDOOR MODEL		POWER	FURNACE MODEL
				Total	Integ*			Total	Integ*			Total	Integ*			Total	Integ*			Total	Integ*		
*PFAMNA036	1.00	1.00		CNPV*4221A**	0.98	0.92	PG8*EA048090	0.98	0.92	0.92	PG8*EA048090	CSPH*4212A**	0.98	0.90	PG9MXA060100	0.98	0.92	0.92	PG9MXA060100	CSPH*4212A**	0.98	0.90	PG9MXA060100
PFAMNA037	0.99	0.93		CSPH*3612A**	0.98	0.90	PG8*EA048090	0.98	0.90	0.90	PG8*EA048090	CAP**3621A**	0.98	0.91	PG9MXA060100	0.98	0.92	0.92	PG9MXA060100	CAP**3621A**	0.98	0.91	PG9MXA060100
PFAMNA042	1.00	0.97		CNPV*4221A**	0.98	0.91	PG8*EA060110	0.98	0.91	0.91	PG8*EA060110	CNPV*4221A**	0.98	0.91	PG9MXA060100	0.98	0.92	0.92	PG9MXA060100	CNPV*4221A**	0.98	0.91	PG9MXA060100
PFAMNA043	1.00	0.93		CSPH*4212A**	0.98	0.91	PG8*EA060110	0.98	0.91	0.91	PG8*EA060110	CSPH*4212A**	0.98	0.91	PG9MXA060100	0.98	0.92	0.92	PG9MXA060100	CSPH*4212A**	0.98	0.91	PG9MXA060100
CAP**3617A**	0.99	0.98		CAP**4221A**	0.98	0.91	PG8*EA060110	0.98	0.91	0.91	PG8*EA060110	CAP**4221A**	0.98	0.91	PG9MXA060100	0.98	0.92	0.92	PG9MXA060100	CAP**4221A**	0.98	0.91	PG9MXA060100
CAP**3619A**	0.99	0.98		CNPV*3617A**	0.97	0.93	PG8*EA060110	0.97	0.93	0.93	PG8*EA060110	CNPV*3617A**	0.97	0.93	PG9MXA060100	0.97	0.92	0.92	PG9MXA060100	CNPV*3617A**	0.97	0.93	PG9MXA060100
CAP**3621A**	0.99	0.98		CNPV*4221A**	0.98	0.91	PG8*EA060110	0.98	0.91	0.91	PG8*EA060110	CNPV*4221A**	0.98	0.91	PG9MXA060100	0.98	0.92	0.92	PG9MXA060100	CNPV*4221A**	0.98	0.91	PG9MXA060100
CAP**4221A**	1.01	0.98		CNPV*3621A**	0.97	0.93	PG8*EA060110	0.97	0.93	0.93	PG8*EA060110	CNPV*3621A**	0.97	0.93	PG9MXA060100	0.97	0.92	0.92	PG9MXA060100	CNPV*3621A**	0.97	0.93	PG9MXA060100
CAP**4224A**	1.01	0.98		CSPH*3612A**	0.98	0.91	PG8*EA060110	0.98	0.91	0.91	PG8*EA060110	CSPH*3612A**	0.98	0.91	PG9MXA060100	0.98	0.92	0.92	PG9MXA060100	CSPH*3612A**	0.98	0.91	PG9MXA060100
CNPV*3618A**	0.99	0.98		CSPH*4212A**	0.98	0.91	PG8*EA060110	0.98	0.91	0.91	PG8*EA060110	CSPH*4212A**	0.98	0.91	PG9MXA060100	0.98	0.92	0.92	PG9MXA060100	CSPH*4212A**	0.98	0.91	PG9MXA060100
CNPV*3617A**	0.99	0.99		CNPV*4221A**	0.99	0.98	PG8*EA060110	0.99	0.98	0.89	PG8*EA060110	CNPV*4221A**	0.99	0.98	PG9MXA060100	0.99	0.92	0.92	PG9MXA060100	CNPV*4221A**	0.99	0.98	PG9MXA060100
CNPV*4221A**	1.01	0.98		CNPV*3612A**	0.99	0.96	PG9MTAV36050*A**	0.99	0.96	0.96	PG9MTAV36050*A**	CNPV*3612A**	0.99	0.96	PG9MTAV60100*A**	0.99	0.92	0.92	PG9MTAV60100*A**	CNPV*3612A**	0.99	0.96	PG9MTAV60100*A**
CNPV*3617A**	0.99	0.99		CSPH*4212A**	0.99	0.96	PG9MTAV36050*A**	0.99	0.96	0.96	PG9MTAV36050*A**	CSPH*4212A**	0.99	0.96	PG9MTAV60100*A**	0.99	0.92	0.92	PG9MTAV60100*A**	CSPH*4212A**	0.99	0.96	PG9MTAV60100*A**
CNPV*4217A**	1.01	0.96		CAP**3619A**	0.98	0.97	PG9MTAV36075*A**	0.98	0.97	0.97	PG9MTAV36075*A**	CAP**3619A**	0.98	0.97	PG9MTAV60125*A**	0.98	0.92	0.92	PG9MTAV60125*A**	CAP**3619A**	0.98	0.97	PG9MTAV60125*A**
CNPV*4221A**	1.01	0.98		CNPV*4221A**	0.99	0.97	PG9MTAV36075*A**	0.99	0.97	0.97	PG9MTAV36075*A**	CNPV*4221A**	0.99	0.97	PG9MTAV60125*A**	0.99	0.92	0.92	PG9MTAV60125*A**	CNPV*4221A**	0.99	0.97	PG9MTAV60125*A**
CSPH*3612A**	0.99	0.95		CSPH*3612A**	0.99	0.95	PG9MTAV36075*A**	0.99	0.95	0.94	PG9MTAV36075*A**	CSPH*3612A**	0.99	0.94	PG9MTAV60125*A**	0.99	0.92	0.92	PG9MTAV60125*A**	CSPH*3612A**	0.99	0.94	PG9MTAV60125*A**
CSPH*4212A**	1.01	0.95		CSPH*4212A**	0.99	0.94	PG9MTAV36075*A**	0.99	0.94	0.94	PG9MTAV36075*A**	CSPH*4212A**	0.99	0.94	PG9MTAV60125*A**	0.99	0.92	0.92	PG9MTAV60125*A**	CSPH*4212A**	0.99	0.94	PG9MTAV60125*A**
CAP**3617A**	0.97	0.93	PG9MXA036080	CNPV*3617A**	0.98	0.95	PG9MTAV60100*A**	0.98	0.95	0.95	PG9MTAV60100*A**	CNPV*3617A**	0.98	0.95	PG9MTAV60125*A**	0.98	0.92	0.92	PG9MTAV60125*A**	CNPV*3617A**	0.98	0.95	PG9MTAV60125*A**
CNPV*3617A**	0.97	0.94	PG9MXA036080	CNPV*4221A**	0.99	0.93	PG9MTAV60100*A**	0.99	0.93	0.93	PG9MTAV60100*A**	CNPV*4221A**	0.99	0.93	PG9MTAV60125*A**	0.99	0.92	0.92	PG9MTAV60125*A**	CNPV*4221A**	0.99	0.93	PG9MTAV60125*A**
CNPV*4221A**	0.98	0.92	PG9MXA036080	CSPH*3612A**	0.99	0.91	PG9MTAV60100*A**	0.99	0.91	0.91	PG9MTAV60100*A**	CSPH*3612A**	0.99	0.91	PG9MTAV60125*A**	0.99	0.92	0.92	PG9MTAV60125*A**	CSPH*3612A**	0.99	0.91	PG9MTAV60125*A**
CNPV*3617A**	0.97	0.94	PG9MXA036080	CSPH*4212A**	1.00	0.90	PG9MTAV60100*A**	1.00	0.90	0.90	PG9MTAV60100*A**	CSPH*4212A**	1.00	0.90	PG9MTAV60125*A**	1.00	0.92	0.92	PG9MTAV60125*A**	CSPH*4212A**	1.00	0.90	PG9MTAV60125*A**
CNPV*4217A**	0.98	0.92	PG9MXA036080	CAP**4224A**	0.99	0.91	PG9MTAV60125*A**	0.99	0.91	0.91	PG9MTAV60125*A**	CAP**4224A**	0.99	0.91	PG9MTAV60100*A**	0.99	0.92	0.92	PG9MTAV60100*A**	CAP**4224A**	0.99	0.91	PG9MTAV60100*A**
CNPV*4217A**	0.98	0.92	PG9MXA036080	CNPV*3612A**	0.98	0.94	PG9MTAV60125*A**	0.98	0.94	0.94	PG9MTAV60125*A**	CNPV*3612A**	0.98	0.94	PG9MTAV60100*A**	0.98	0.92	0.92	PG9MTAV60100*A**	CNPV*3612A**	0.98	0.94	PG9MTAV60100*A**
CSPH*4212A**	0.99	0.90	PG9MXA036080	CNPV*4221A**	0.99	0.92	PG9MTAV60125*A**	0.99	0.92	0.92	PG9MTAV60125*A**	CNPV*4221A**	0.99	0.92	PG9MTAV60100*A**	0.99	0.92	0.92	PG9MTAV60100*A**	CNPV*4221A**	0.99	0.92	PG9MTAV60100*A**
CNPV*4221A**	0.99	0.97	PG8*EA024045	CSPH*3612A**	0.99	0.91	PG9MTAV60125*A**	0.99	0.91	0.91	PG9MTAV60125*A**	CSPH*3612A**	0.99	0.91	PG9MTAV60100*A**	0.99	0.92	0.92	PG9MTAV60100*A**	CSPH*3612A**	0.99	0.91	PG9MTAV60100*A**
CSPH*3612A**	0.99	0.95	PG8*EA024045	CAP**3617A**	0.98	0.93	PG9MTAV60125*A**	0.98	0.93	0.93	PG9MTAV60125*A**	CAP**3617A**	0.98	0.93	PG9MTAV60100*A**	0.98	0.92	0.92	PG9MTAV60100*A**	CAP**3617A**	0.98	0.93	PG9MTAV60100*A**
CSPH*4212A**	1.00	0.95	PG8*EA024045	CNPV*3617A**	0.98	0.93	PG9MTAV60100*A**	0.98	0.93	0.93	PG9MTAV60100*A**	CNPV*3617A**	0.98	0.93	PG9MTAV60125*A**	0.98	0.92	0.92	PG9MTAV60125*A**	CNPV*3617A**	0.98	0.93	PG9MTAV60125*A**
CAP**3617A**	0.98	0.96	PG8*EA048070	CNPV*4212A**	0.99	0.91	PG9MTAV60100*A**	0.99	0.91	0.91	PG9MTAV60100*A**	CNPV*4212A**	0.99	0.91	PG9MTAV60125*A**	0.99	0.92	0.92	PG9MTAV60125*A**	CNPV*4212A**	0.99	0.91	PG9MTAV60125*A**
CNPV*3617A**	0.98	0.97	PG8*EA048070	CNPV*4221A**	0.98	0.94	PG9MTAV60125*A**	0.98	0.94	0.94	PG9MTAV60125*A**	CNPV*4221A**	0.98	0.94	PG9MTAV60100*A**	0.98	0.92	0.92	PG9MTAV60100*A**	CNPV*4221A**	0.98	0.94	PG9MTAV60100*A**
CNPV*4212A**	0.98	0.95	PG8*EA048070	CNPV*4212A**	0.98	0.91	PG9MTAV60100*A**	0.98	0.91	0.91	PG9MTAV60100*A**	CNPV*4212A**	0.98	0.91	PG9MTAV60								

HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)																							
		-3 (-19.4)			7 (-13.9)			17 (-8.3)			27 (-2.8)			37 (2.8)			47 (8.3)			57 (13.9)			67 (19.4)		
		Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†
EDB ° F (° C)	CFM	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*		
		65 (18.3)	1400	18.54	17.06	23.54	21.63	3.26	28.92	26.37	3.36	34.75	30.86	3.46	41.04	37.35	3.57	48.01	48.01	3.71	56.46	56.46	3.89	66.21	66.21
1600	18.98		17.46	24.01	22.06	3.29	29.43	26.83	3.34	35.28	31.34	3.46	41.63	37.88	3.55	48.90	48.90	3.67	57.41	57.41	3.82	67.39	67.39	4.02	
1800	19.41		17.86	24.45	22.47	3.33	29.87	27.24	3.40	35.76	31.76	3.47	42.14	38.35	3.55	49.54	49.54	3.65	58.20	58.20	3.79	68.36	68.36	3.97	
1400	17.79		16.36	21.00	22.85	3.42	28.29	25.79	3.53	34.15	30.33	3.65	40.45	36.81	3.77	47.29	47.29	3.91	55.57	55.57	4.10	65.13	65.13	4.33	
1600	18.24		16.76	23.34	21.45	3.45	28.80	26.26	3.54	34.70	30.82	3.64	41.04	37.35	3.75	48.00	48.00	3.86	56.49	56.49	4.03	66.28	66.28	4.23	
70 (21.1)	1800	18.65	17.16	23.77	21.84	3.50	29.26	26.68	3.57	35.18	31.24	3.66	41.56	37.82	3.74	48.64	48.64	3.85	57.27	57.27	3.99	67.24	67.24	4.18	
	1400	16.95	15.59	22.10	20.31	3.58	27.58	25.15	3.71	33.49	29.75	3.84	39.82	36.24	3.98	46.65	46.65	4.13	54.69	54.69	4.32	64.05	64.05	4.56	
	1600	17.40	16.01	22.59	20.76	3.61	28.12	25.64	3.72	34.06	30.25	3.83	40.43	36.79	3.95	47.31	47.31	4.07	55.58	55.58	4.25	65.19	65.19	4.46	
75 (23.9)	1800	17.81	16.39	23.03	21.16	3.66	28.57	26.05	3.75	34.55	30.69	3.85	40.95	37.27	3.95	47.90	47.90	4.05	56.36	56.36	4.21	66.14	66.14	4.40	

PH13NAZ48-A Outdoor Section With PF4MMA048 Indoor Section

HEATING INDOOR MODEL	CAPACITY		POWER	FURNACE MODEL		HEATING INDOOR MODEL	CAPACITY		POWER	FURNACE MODEL	
	Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*
CNPH*6024A**	1.00	0.99	0.97	PG8*EA060135	PG8*EA060135	CNPH*6024A**	1.00	0.98	0.93	PG9MXA060120	PG9MXA060120
CNPH*4824A**	1.01	0.98	0.95	PG8*EA060135	PG8*EA060135	CNPH*4824A**	1.00	0.98	0.95	PG9MXA060120	PG9MXA060120
CNPH*6024A**	1.00	0.99	0.97	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.98	0.95	PG9MXA060120	PG9MXA060120
CNPH*4812A**	1.00	0.99	0.97	PG8*EA060135	PG8*EA060135	CSPH*6012A**	1.00	0.99	0.93	PG9MXA060120	PG9MXA060120

See notes on page 29

HEATING INDOOR MODEL	CAPACITY		POWER	FURNACE MODEL		HEATING INDOOR MODEL	CAPACITY		POWER	FURNACE MODEL	
	Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*
CAP**4824A**	1.00	0.98	0.97	PG8*EA060135	PG8*EA060135	CAP**6024A**	1.00	0.99	0.98	PG9MTAV60100*A**	PG9MTAV60100*A**
CAP**6024A**	1.00	0.98	0.95	PG8*EA060135	PG8*EA060135	CAP**4812A**	1.00	0.99	0.98	PG9MTAV60125*A**	PG9MTAV60125*A**
CAP**6025A**	1.00	0.98	0.95	PG8*EA060135	PG8*EA060135	CAP**6024A**	1.00	0.99	0.96	PG9MTAV60125*A**	PG9MTAV60125*A**
CNPH*4824A**	1.00	0.98	0.97	PG8*EA060135	PG8*EA060135	CNPH*6012A**	1.00	0.96	0.96	PG9MTAV60125*A**	PG9MTAV60125*A**
CNPH*6024A**	1.00	0.98	0.94	PG8*EA060135	PG8*EA060135	CAP**4817A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4824A**	1.00	0.98	0.97	PG8*EA060135	PG8*EA060135	CNPH*4824A**	1.00	0.99	0.99	PG9MXA048080	PG9MXA048080
CNPH*6024A**	1.00	0.98	0.94	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4812A**	1.00	0.98	0.97	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6012A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4824A**	1.00	0.98	0.95	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6024A**	1.00	0.98	0.95	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4812A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6012A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4824A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6024A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4812A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6012A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4824A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6024A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4812A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6012A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4824A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6024A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4812A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6012A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4824A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6024A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4812A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6012A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4824A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6024A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4812A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6012A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4824A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6024A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4812A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6012A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4824A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6024A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4812A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6012A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4824A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6024A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4812A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6012A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4824A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6024A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4812A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6012A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*4824A**	1.00	0.98	0.96	PG8*EA060135	PG8*EA060135	CNPH*4812A**	1.00	0.99	0.98	PG9MXA048080	PG9MXA048080
CNPH*6024A**	1.00	0.9									

# HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)																							
		-3 (-19.4)		7 (-13.9)		17 (-8.3)		27 (-2.8)		37 (2.8)		47 (8.3)		57 (13.9)		67 (19.4)									
		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh									
EDB ° F (° C)	CFM	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*								
		Sys. KW†	Sys. KW†	Sys. KW†	Sys. KW†	Sys. KW†	Sys. KW†	Sys. KW†	Sys. KW†	Sys. KW†	Sys. KW†	Sys. KW†	Sys. KW†	Sys. KW†	Sys. KW†	Sys. KW†	Sys. KW†								
65 (18.3)	1750	23.58	21.70	3.86	29.51	27.12	3.80	35.74	32.59	3.94	42.30	37.57	4.10	49.30	44.86	4.27	57.00	57.00	4.46	66.22	66.22	4.71	76.76	76.76	4.96
	2000	24.18	22.24	3.73	30.13	27.69	3.86	36.40	33.19	3.99	42.98	38.18	4.13	50.08	45.57	4.28	57.95	57.95	4.45	67.33	67.33	4.68	77.76	77.76	4.88
	2250	24.74	22.76	3.82	30.70	28.21	3.94	37.00	33.73	4.05	43.61	38.73	4.18	50.76	46.19	4.31	58.77	58.77	4.47	68.32	68.32	4.69	78.45	78.45	4.86
	1750	22.60	20.79	3.81	28.66	26.33	3.97	34.94	31.85	4.12	41.55	36.90	4.29	48.50	44.13	4.47	56.14	56.14	4.68	65.14	65.14	4.94	75.49	75.49	5.21
	2000	23.20	21.34	3.89	29.26	26.89	4.03	35.60	32.46	4.17	42.25	37.52	4.32	49.28	44.84	4.48	57.00	57.00	4.66	66.23	66.23	4.90	76.69	76.69	5.12
75 (23.9)	2250	23.76	21.86	3.98	29.82	27.41	4.11	36.20	33.01	4.23	42.87	38.08	4.37	49.96	45.47	4.52	57.78	57.78	4.68	67.18	67.18	4.90	77.49	77.49	5.09
	1750	21.54	19.81	3.96	27.71	25.47	4.14	34.08	31.07	4.32	40.75	36.19	4.49	47.94	43.63	4.70	55.26	55.26	4.91	64.10	64.10	5.18	74.23	74.23	5.47
	2000	22.14	20.37	4.04	28.35	26.05	4.21	34.75	31.69	4.36	41.46	36.82	4.52	48.46	44.10	4.70	56.15	56.15	4.89	65.15	65.15	5.14	75.54	75.54	5.38
	2250	22.69	20.88	4.13	28.93	26.58	4.28	35.36	32.24	4.42	42.10	37.39	4.57	49.15	44.73	4.73	56.90	56.90	4.90	66.07	66.07	5.13	76.45	76.45	5.33
	1750	21.54	19.81	3.96	27.71	25.47	4.14	34.08	31.07	4.32	40.75	36.19	4.49	47.94	43.63	4.70	55.26	55.26	4.91	64.10	64.10	5.18	74.23	74.23	5.47

PH13NAZ60-A Outdoor Section With PF4MNA060 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL		HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL		HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	
			Total	Integ*				Total	Integ*				Total	Integ*
*PF4MNA060	1.00	1.00			CSPH*6012A**	0.97	0.97	PG8*EA048090	CSPH*6012A**	0.97	0.99	PG9MXA048080		
PF4MNA061	0.98	0.92			CAP**6021A**	0.96	0.96	PG8*EA060110	CAP**6021A**	0.97	0.97	PG9MXA060100		
CAP**6021A**	0.98	0.99			CNPH*6024A**	0.97	0.97	PG8*EA060110	CNPH*6024A**	0.97	0.97	PG9MXA060100		
CAP**6024A**	0.98	0.97			CSPH*6012A**	0.97	0.95	PG8*EA060110	CSPH*6012A**	0.97	0.96	PG9MXA060100		
CAP**6025A**	0.98	0.97			CAP**6024A**	0.97	0.98	PG8*EA060135	CAP**6024A**	0.97	0.97	PG9MXA060120		
CNPH*6024A**	0.98	0.97			CAP**6025A**	0.97	0.98	PG8*EA060135	CAP**6025A**	0.97	0.97	PG9MXA060120		
CNPH*6024A**	0.98	0.97			CNPH*6024A**	0.97	0.98	PG8*EA060135	CNPH*6024A**	0.97	0.97	PG9MXA060120		
CSPH*6012A**	0.98	0.96			CNPH*6024A**	0.97	0.98	PG8*EA060135	CNPH*6024A**	0.97	0.96	PG9MXA060120		
CAP**6021A**	0.97	0.98			CSPH*6012A**	0.97	0.96	PG8*EA060135	CSPH*6012A**	0.97	0.96	PG9MXA060120		
CNPH*6024A**	0.97	0.99			CNPH*6024A**	0.97	1.00	PG9MXA048090	CNPH*6024A**	0.97	0.95	PG9MXA060120		

\* Tested combination.

† The kW values include the compressor, outdoor fan motor, and indoor blower motor. The kW from supplement heaters should be added to these values to obtain total system kilowatts.

‡ The Btuh heating capacity values shown are net integrated values from which the defrost effect has been subtracted. The Btuh heating from supplement heaters should be added to those values to obtain total system capacity.

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

EDB — Entering Dry Bulb



# GUIDE SPECIFICATIONS

## GENERAL

### System Description

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

### Quality Assurance

- Unit will be rated in accordance with the latest edition of ARI Standard 210.
- Unit will be certified for capacity and efficiency, and listed in the latest ARI 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 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 and pressure tested
- 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 heat pump 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.

### Fans

- Condenser fan will be direct-drive propeller type, discharging air horizontally.

## AIR-COOLED, SPLIT-SYSTEM HEAT PUMP

### PH13NAZ

### 1-1/2 TO 5 NOMINAL TONS

- 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 a scroll-type, 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 front-seating shutoff valve with sweat connections, vapor-line front-seating 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.
- Nominal unit electrical characteristics will be \_\_\_\_\_ v, three 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.