

**PH13NB
PH13PB**

**13 SEER Split System Heat Pump
with R-410A Refrigerant
1.5 To 5 Nominal Tons**

Product Data



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

FEATURES AND BENEFITS

AVAILABLE SIZES:

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

PERFORMANCE:

All models are verified for efficiency and capacity by AHRI.

ELECTRICAL RANGE:

All units are offered in 208/230-1, single phase, with 208/230-3 three phase offered in models 048 - 060.

FAN MOTOR:

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

CABINET:

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

UNIT DESIGN:

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

DEFROST CONTROL BOARD:

Incorporates defrost relay, defrost timer, and low voltage terminations. The defrost control is a time/temperature initiation/termination control which includes three field-selectable time periods of 30, 60 and 90 minutes.

COMPRESSOR:

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

SERVICE VALVES:

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

SERVICEABILITY:

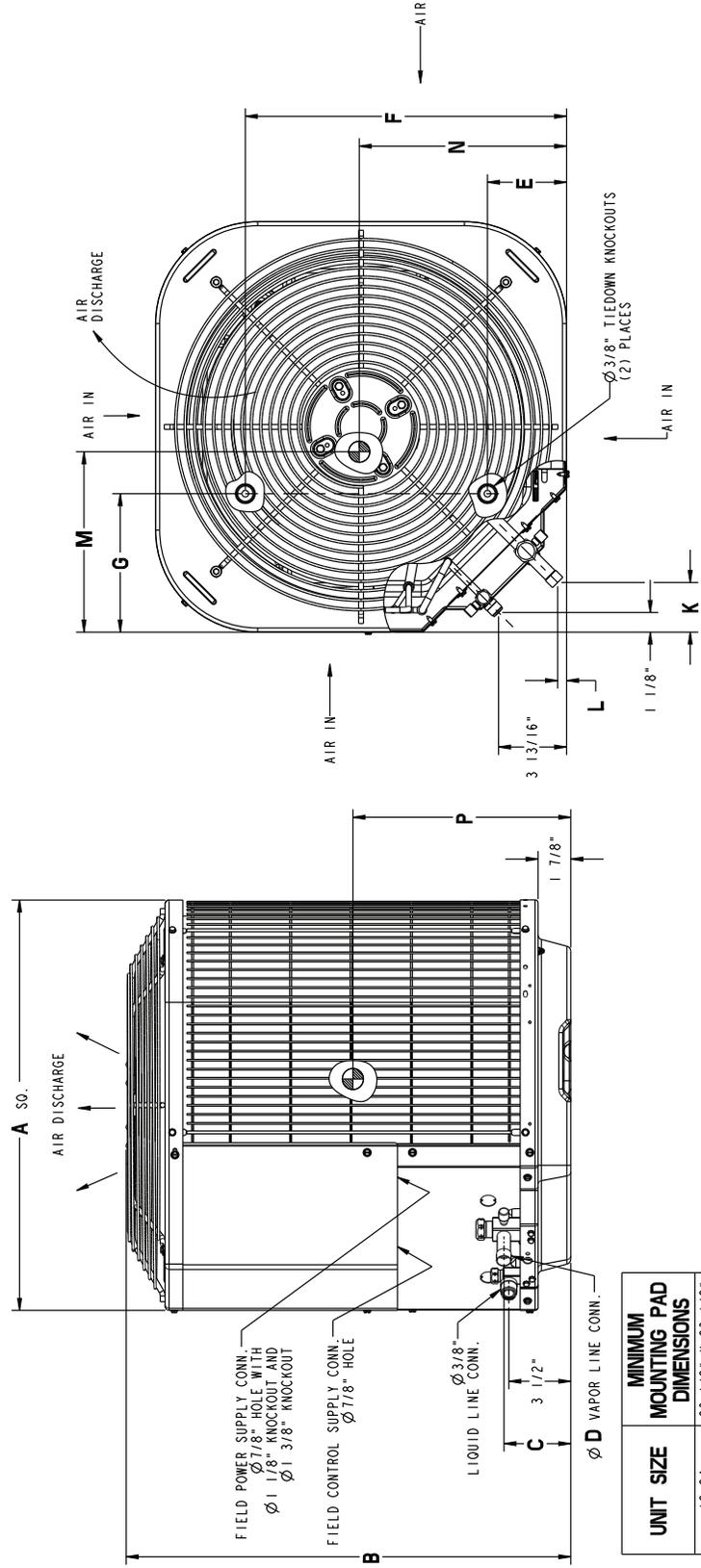
One access panel provides access to electrical controls. Removal of top gives access to fan motor, compressor, and condenser coil.

DIMENSIONS - ENGLISH

UNIT	SERIES	ELECTRICAL CHARACTERISTICS	A	B	C	D	E	F	G	K	L	M	N	P	OPERATING WEIGHT(LBS)	SHIPPING WEIGHT(LBS)	SHIPPING DIMENSIONS (L x W x H)
PHI3NB018	A	X 0 0 0	23 1/8"	28 7/16"	3 3/4"	5/8"	4 7/16"	18 1/16"	7 13/16"	2 13/16"	1/2"	11 1/2"	10 1/2"	11 1/2"	119	137	24 1/8" X 24 1/8" X 30 5/8"
PHI3NB024	A	X 0 0 0	23 1/8"	31 13/16"	3 3/4"	3/4"	4 7/16"	18 1/16"	7 13/16"	2 13/16"	1/2"	11 1/2"	10 1/2"	12 1/2"	124	142	24 1/8" X 24 1/8" X 34"
PHI3NB030	A	X 0 0 0	31 3/16"	28 7/16"	3 3/4"	3/4"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	15"	15"	11 1/2"	149	170	32 3/16" X 32 3/16" X 30 5/8"
PHI3NB036	B	X 0 0 0	31 3/16"	31 13/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	15"	15"	12 1/2"	169	178	32 3/16" X 32 3/16" X 34"
PHI3NB042	B	X 0 0 0	31 3/16"	28 7/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	15"	15"	12 1/2"	186	204	32 3/16" X 32 3/16" X 34"
PHI3NB048	B	X 0 0 0	31 3/16"	28 7/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	15"	15"	12 1/2"	208	228	32 3/16" X 32 3/16" X 30 5/8"
PHI3NB060	B	X 0 0 0	31 3/16"	31 13/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	15"	15"	12 1/2"	228	252	32 3/16" X 32 3/16" X 34"
PHI3PB048	A	O 0 0 X	31 3/16"	28 7/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	15"	15"	11 1/2"	208	228	32 3/16" X 32 3/16" X 30 5/8"
PHI3PB060	A	O 0 0 X	31 3/16"	31 13/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	15"	15"	12 1/2"	228	252	32 3/16" X 32 3/16" X 34"

X = YES
O = NO

208-230-160	230-160	208/230-3-60	460-3-60
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UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18.24	23 1/2" X 23 1/2"
--	26" X 26"
30.36, 42.48, 60	31 1/2" X 31 1/2"
--	35" X 35"

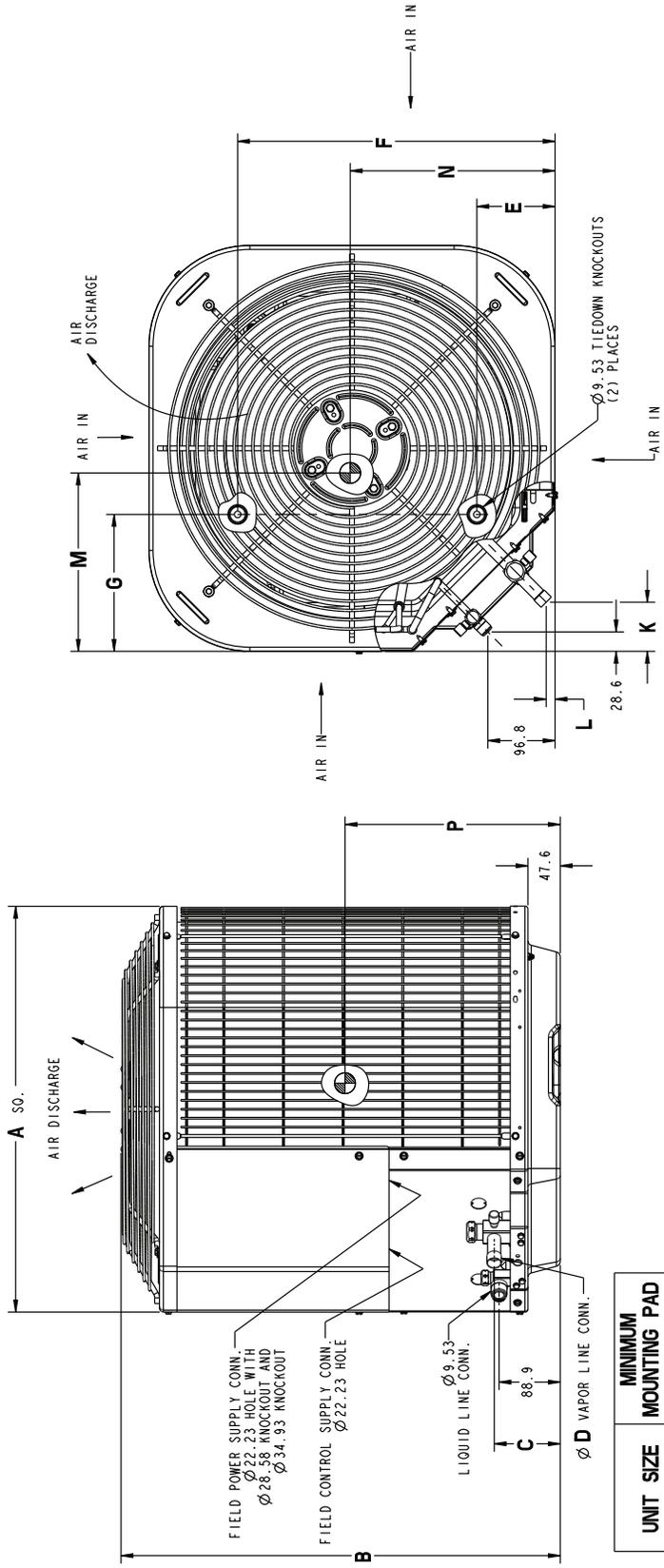
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DIMENSIONS - SI

UNIT	SERIES	ELECTRICAL CHARACTERISTICS	A	B	C	D	E	F	G	K	L	M	N	P	OPERATING WEIGHT(kgs)	SHIPPING WEIGHT(kgs)	SHIPPING DIMENSIONS (L x W x H)
PHI3NA018	A	X 0 0 0	587.4	722.3	95.2	15.9	112.7	458.8	198.4	71.4	12.7	292.1	266.7	292.1	54.1	62.3	612.8 X 612.8 X 777.9
PHI3NA024	A	X 0 0 0	587.4	808.0	95.2	19.0	112.7	458.8	198.4	71.4	12.7	292.1	266.7	317.5	56.4	64.5	612.8 X 612.8 X 863.6
PHI3NA030	A	X 0 0 0	792.2	722.3	95.2	19.0	166.7	627.1	231.8	74.6	15.9	381.0	381.0	292.1	67.7	77.3	817.6 X 817.6 X 777.9
PHI3NA036	B	X 0 0 0	792.2	808.0	98.4	22.2	166.7	627.1	231.8	74.6	15.9	381.0	381.0	317.5	76.7	80.9	817.6 X 817.6 X 863.6
PHI3NA042	B	X 0 0 0	792.2	808.0	98.4	22.2	166.7	627.1	231.8	74.6	15.9	381.0	381.0	317.5	84.5	92.7	817.6 X 817.6 X 863.6
PHI3NA048	B	X 0 0 0	792.2	722.3	98.4	22.2	166.7	627.1	231.8	74.6	15.9	381.0	381.0	292.1	94.5	103.6	817.6 X 817.6 X 777.9
PHI3NA060	B	X 0 0 0	792.2	808.0	98.4	22.2	166.7	627.1	231.8	74.6	15.9	381.0	381.0	317.5	103.6	114.5	817.6 X 817.6 X 863.6
PHI3PA048	A	O 0 0 0	792.2	722.3	98.4	22.2	166.7	627.1	231.8	74.6	15.9	381.0	381.0	292.1	94.5	103.6	817.6 X 817.6 X 777.9
PHI3PA060	A	O 0 0 0	792.2	808.0	98.4	22.2	166.7	627.1	231.8	74.6	15.9	381.0	381.0	317.5	103.6	114.5	817.6 X 817.6 X 863.6

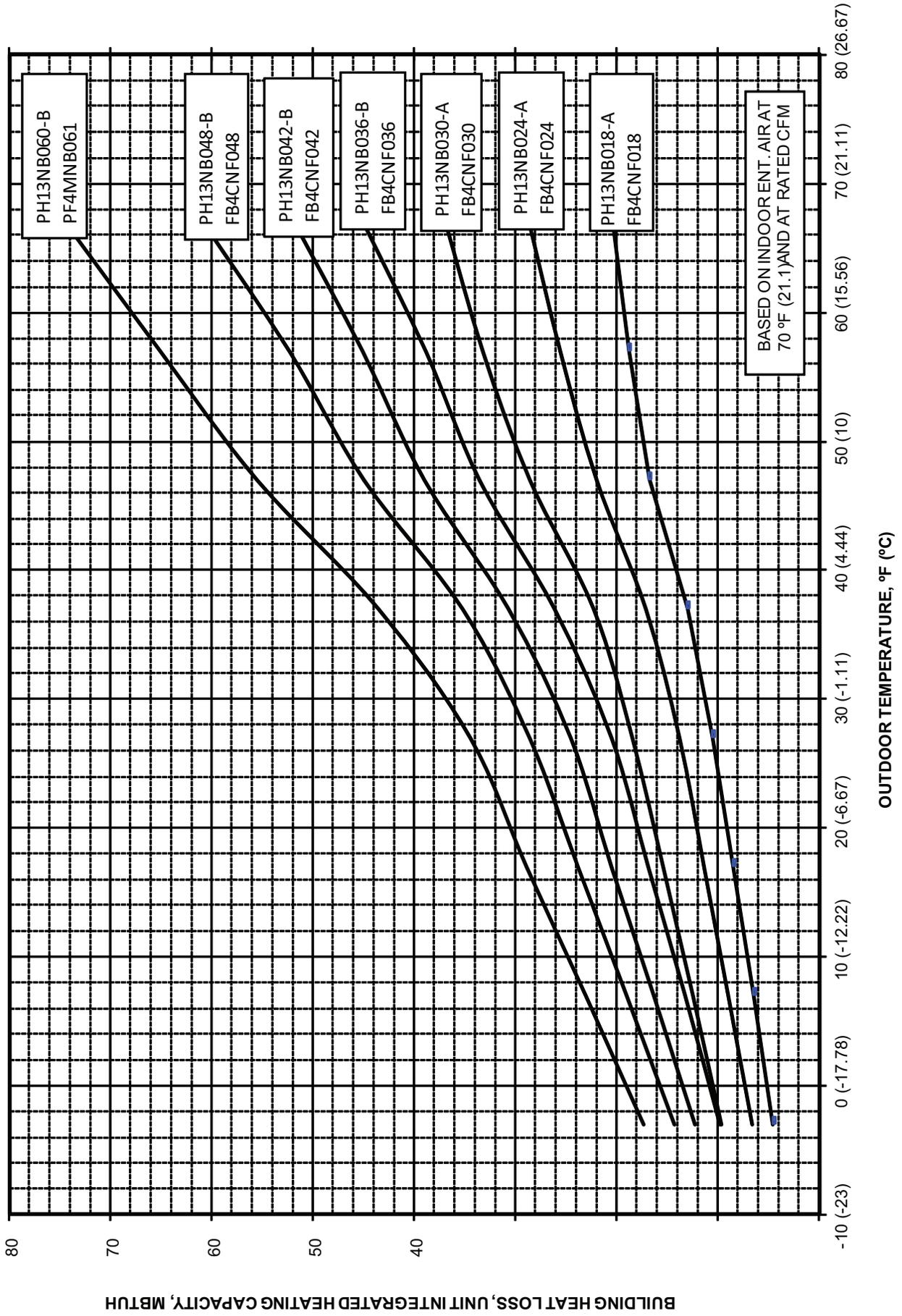
208-230-160	230-160	208/230-3-60	460-3-60
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X = YES
O = NO



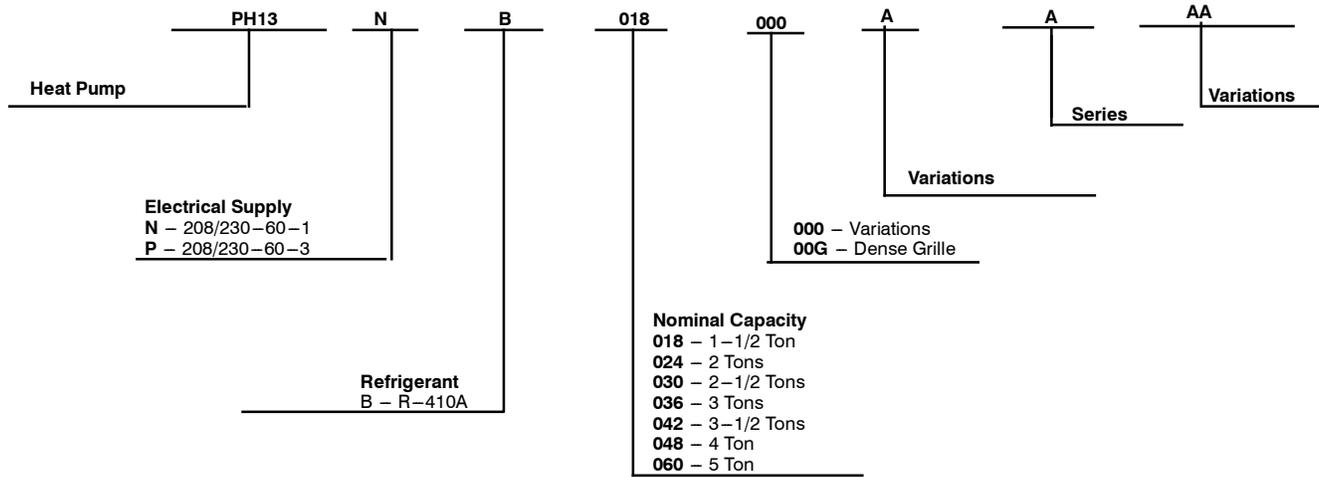
UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18.24	596.9 X 596.9
---	660.4 X 660.4
30.36, 42.48, 60	800.1 X 800.1
---	889.0 X 889.0

BALANCE POINT WORKSHEET



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PRODUCT NUMBER NOMENCLATURE



PH13NB



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



ISO 9001
QMI-SAI Global





ENERGY STAR

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.



VAPOR LINE SIZING AND COOLING CAPACITY LOSS

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

Vapor Line Sizing and Cooling Capacity Losses - R-410A® Refrigerant 1- Stage Heat Pump Applications

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	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	3/8	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	3/8	5/8	1	2	3	3	4	5	6	7	8	
		3/4	0	0	1	1	1	2	2	2	3	
		7/8	0	0	0	0	1	1	1	1	1	
36,000 1 – Stage	3/8	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	3/8	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	3/8	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	3/8	3/4	1	2	4	5	6	7	9	10	11	
		7/8	0	1	2	2	3	4	4	5	5	
		1–1/8	0	0	0	1	1	1	1	1	1	

Standard Length = 80 ft. (24.4 m) or less total equivalent length

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

REFRIGERANT PIPING LENGTH LIMITATIONS

Maximum Line Lengths:

The maximum allowable total equivalent length for heat pumps varies depending on the vertical separation. See the tables below for allowable lengths depending on whether the outdoor unit is on the same level, above or below the indoor unit.

Maximum Line Lengths for Heat Pump Applications

	MAXIMUM ACTUAL LENGTH ft (m)	MAXIMUM EQUIVALENT LENGTH† ft (m)	MAXIMUM VERTICAL SEPARATION ft (m)
Units on equal level	200 (61)	250 (76.2)	N/A
Outdoor unit ABOVE indoor unit	200 (61)	250 (76.2)	200 (61)
Outdoor unit BELOW indoor unit	See Table 'Maximum Total Equivalent Length: Outdoor Unit BELOW Indoor Unit'		

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

Maximum Total Equivalent Length† - Outdoor Unit BELOW Indoor Unit

Size	Liquid Line Diameter w/ TXV	HP with R-410A® Refrigerant – Maximum Total Equivalent Length† Vertical Separation ft (m) Outdoor unit BELOW indoor unit;						
		0-20 (0 - 6.1)	21-30 (6.4 - 9.1)	31-40 (9.4 - 12.2)	41-50 (12.5 - 15.2)	51-60 (15.5 - 18.3)	61-70 (18.6 - 21.3)	71-80 (21.6 - 24.4)
018 HP with R-410A	3/8	250*	250*	250*	250*	250*	250*	250*
024 HP with R-410A	3/8	250*	250*	250*	250*	250*	250*	250*
030 HP with R-410A	3/8	250*	250*	250*	250*	250*	250*	250*
036 HP with R-410A	3/8	250*	250*	250*	250*	250*	250*	250*
042 HP with R-410A	3/8	250*	250*	250*	250*	250*	250*	150
048 HP with R-410A	3/8	250*	250*	250*	250*	230	160	--
060 HP with R-410A	3/8	250*	225*	190	150	110	--	--

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

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

-- = outside acceptable range

LONG LINE APPLICATIONS

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

For Heat Pump systems, the chart below shows when an application is considered Long Line. Beyond these lengths, long line accessories are required:

HP WITH R-410A® REFRIGERANT LONG LINE DESCRIPTION ft (m)

Beyond these lengths, long line accessories are required

Liquid Line Size	Units On Same Level	Outdoor Below Indoor	Outdoor Above Indoor
3/8	80 (24.4)	20 (6.1) vertical or 80 (24.4) total	80 (24.4)

Note: See Long Line Guideline for details

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SOUND POWER

UNIT SIZE – SERIES	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018–A	76	50.5	58.5	64.5	66.0	64.0	57.5	52.0
024–A	76	51.5	59.5	66.5	67.5	65.5	61.0	55.5
030–A	77	55.0	65.0	71.0	71.5	67.5	62.0	54.5
036–B	78	57.5	66.0	71.5	73.5	70.5	67.0	60.0
042–B	80	57.5	66.0	72.0	73.0	71.0	66.5	61.0
048–B	80	59.0	64.5	69.5	69.5	67.0	63.5	60.0
060–B	80	62.5	69.5	72.0	74.5	72.5	69.5	67.0

Note: Tested in accordance with AHRI standard 270.95 (Not listed with AHRI)

METERING DEVICE

UNIT SIZE (PHASE) – SERIES	OUTDOOR PISTON	REQUIRED TXV SUBCOOLING °F (°C)	INDOOR METERING DEVICE
018 (N) – A	42	13 (7.2)	49
024 (N) – A	49	13 (7.2)	57
030 (N) – A	55	9 (5.0)	67
036 (N) – B	57	14 (7.7)	70
042 (N) – B	63	15 (8.3)	76
048 (N) – B	65	17 (9.4)	80
048 (P) – A	65	13 (7.2)	82
060 (N) – B	76	18 (10.0)	TXV*
060 (P) – A			

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

RECOMMENDED TUBE DIAMETERS

UNIT SIZE	LIQUID TUBE DIAMETER (In.)	VAPOR TUBE DIAMETER (In.)
018	3/8	5/8
024, 030		3/4
036, 042, 048		7/8
060		1 – 1/8

* For tube set over 80 ft / 24.38 m horizontal and/or 20 ft / 6.10 m vertical differential, consult Residential Split System Long Line Application Guidelines.

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COMBINATION RATINGS

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
5212293	PH13NB018****A	†FB4CNF018		17,400	11.0	13.0	16,800	3.60	7.7	9,400	2.24
5212295	PH13NB018****A	CAP**2414A**	PG8*EA024045	18,000	11.7	13.2	16,500	3.64	7.8	9,400	2.28
5212312	PH13NB018****A	CAP**2414A**	PG8*VA036070	17,800	11.7	13.2	16,500	3.54	7.7	9,200	2.24
5212315	PH13NB018****A	CAP**2417A**	PG8*VA048090	17,900	11.7	13.2	16,500	3.58	7.7	9,200	2.26
5212313	PH13NB018****A	CAP**2417A**	PG96VA*42060B***	18,000	11.7	13.2	16,500	3.66	7.8	9,400	2.28
5212314	PH13NB018****A	CAP**2417A**	PG96VA*48080B***	18,000	11.7	13.5	16,500	3.70	7.8	9,400	2.30
5212302	PH13NB018****A	CNP*2417A**	PG8*EA024045	18,000	11.7	13.2	16,600	3.66	7.8	9,400	2.28
5212323	PH13NB018****A	CNP*2417A**	PG8*VA048090	17,900	11.7	13.2	16,600	3.60	7.7	9,300	2.26
5212321	PH13NB018****A	CNP*2417A**	PG96VA*42060B***	18,000	11.7	13.2	16,600	3.64	7.8	9,400	2.26
5212322	PH13NB018****A	CNP*2417A**	PG96VA*48080B***	18,000	11.7	13.2	16,600	3.68	7.8	9,400	2.28
5212298	PH13NB018****A	CNPV*1814A**	PG8*EA024045	17,900	11.5	13.0	16,800	3.60	7.7	9,400	2.24
5212316	PH13NB018****A	CNPV*1814A**	PG8*VA036070	17,700	11.5	13.0	16,700	3.54	7.7	9,300	2.22
5212299	PH13NB018****A	CNPV*2414A**	PG8*EA024045	18,000	11.7	13.2	16,600	3.66	7.8	9,400	2.28
5212317	PH13NB018****A	CNPV*2414A**	PG8*VA036070	17,900	11.7	13.2	16,600	3.58	7.7	9,300	2.24
5212320	PH13NB018****A	CNPV*2417A**	PG8*VA048090	17,900	11.7	13.2	16,600	3.60	7.7	9,300	2.26
5212318	PH13NB018****A	CNPV*2417A**	PG96VA*42060B***	18,000	11.7	13.2	16,600	3.64	7.8	9,400	2.26
5212319	PH13NB018****A	CNPV*2417A**	PG96VA*48080B***	18,000	11.7	13.2	16,600	3.68	7.8	9,400	2.28
5212304	PH13NB018****A	CSPH*2412A**	PG8*EA024045	18,000	11.7	13.2	16,300	3.60	7.7	9,400	2.28
5212329	PH13NB018****A	CSPH*2412A**	PG8*VA036070	18,000	11.7	13.2	16,300	3.54	7.7	9,300	2.24
5212330	PH13NB018****A	CSPH*2412A**	PG8*VA048090	18,000	11.7	13.2	16,300	3.56	7.7	9,300	2.26
5212324	PH13NB018****A	CSPH*2412A**	PG96VA*42060B***	18,000	11.7	13.2	16,300	3.54	7.7	9,300	2.24
5212325	PH13NB018****A	CSPH*2412A**	PG96VA*48080B***	18,000	11.7	13.2	16,300	3.60	7.7	9,300	2.26
5212326	PH13NB018****A	CSPH*2412A**	PG96VA*60080C***	18,000	11.7	13.5	16,200	3.64	7.8	9,400	2.30
5212327	PH13NB018****A	CSPH*2412A**	PG96VA*60100C***	18,000	11.7	13.5	16,200	3.66	7.8	9,400	2.30
5212328	PH13NB018****A	CSPH*2412A**	PG96VA*66120D***	18,000	11.7	13.2	16,200	3.64	7.8	9,400	2.30
5212294	PH13NB018****A	FB4CNF024		17,400	11.0	13.0	16,800	3.60	7.7	9,400	2.24
5212308	PH13NB018****A	FF1ENP019		18,000	11.5	13.0	16,800	3.58	7.7	9,500	2.24
5212309	PH13NB018****A	FF1ENP025		18,000	11.7	13.2	16,300	3.62	7.8	9,400	2.30
5212310	PH13NB018****A	PF4MNA019		18,000	11.5	13.0	16,800	3.60	7.7	9,400	2.24
5212311	PH13NB018****A	PF4MNA025		18,000	11.7	13.2	16,300	3.60	7.7	9,400	2.28
5212306	PH13NB018****A	PF4MNB019		18,000	12.0	13.5	16,100	3.64	7.8	9,400	2.32
5212307	PH13NB018****A	PF4MNB025		18,000	11.7	13.5	16,100	3.64	7.8	9,400	2.30
5212331	PH13NB024****A	†FB4CNF024		23,400	11.0	13.0	22,000	3.48	7.7	13,000	2.28
5212333	PH13NB024****A	CAP**2414A**	PG8*EA024045	24,000	11.5	13.5	22,000	3.54	7.7	12,900	2.32
5212375	PH13NB024****A	CAP**2414A**	PG8*VA036070	24,000	11.7	13.5	21,800	3.50	7.7	12,700	2.30
5212378	PH13NB024****A	CAP**2417A**	PG8*VA048090	24,000	11.7	13.7	21,800	3.54	7.7	12,700	2.34
5212334	PH13NB024****A	CAP**2417A**	PG95XA*42060B***	24,000	11.7	13.5	21,800	3.52	7.7	12,800	2.32
5212376	PH13NB024****A	CAP**2417A**	PG96VA*42060B***	24,000	11.7	13.5	21,800	3.50	7.7	12,800	2.32
5212377	PH13NB024****A	CAP**2417A**	PG96VA*48080B***	24,000	11.7	13.7	21,800	3.54	7.7	12,800	2.32
5212338	PH13NB024****A	CAP**3014A**	PG8*EA024045	24,000	11.7	13.5	22,000	3.60	7.8	12,900	2.34
5212379	PH13NB024****A	CAP**3014A**	PG8*VA036070	24,000	11.7	13.7	21,800	3.54	7.7	12,700	2.32
5212382	PH13NB024****A	CAP**3017A**	PG8*VA048090	24,000	11.7	13.7	21,800	3.58	7.8	12,700	2.36
5212339	PH13NB024****A	CAP**3017A**	PG95XA*42060B***	24,000	11.7	13.7	22,000	3.60	7.8	12,800	2.34
5212380	PH13NB024****A	CAP**3017A**	PG96VA*42060B***	24,000	11.7	13.7	22,000	3.58	7.7	12,800	2.34
5212381	PH13NB024****A	CAP**3017A**	PG96VA*48080B***	24,000	11.7	13.7	22,000	3.62	7.8	12,800	2.36
5212354	PH13NB024****A	CNP*2417A**	PG8*EA024045	24,000	11.5	13.5	22,000	3.56	7.7	12,900	2.32
5212393	PH13NB024****A	CNP*2417A**	PG8*VA048090	24,000	11.7	13.7	21,800	3.58	7.7	12,800	2.34
5212353	PH13NB024****A	CNP*2417A**	PG95XA*42060B***	24,000	11.5	13.5	21,800	3.52	7.7	12,800	2.30
5212391	PH13NB024****A	CNP*2417A**	PG96VA*42060B***	23,800	11.5	13.5	21,800	3.50	7.7	12,800	2.30
5212392	PH13NB024****A	CNP*2417A**	PG96VA*48080B***	24,000	11.7	13.5	21,800	3.54	7.7	12,800	2.32
5212358	PH13NB024****A	CNP*3017A**	PG8*EA024045	24,000	11.7	13.7	22,000	3.64	7.8	12,900	2.36
5212396	PH13NB024****A	CNP*3017A**	PG8*VA048090	24,000	12.0	13.7	21,800	3.60	7.8	12,700	2.36
5212357	PH13NB024****A	CNP*3017A**	PG95XA*42060B***	24,000	11.7	13.7	22,000	3.60	7.8	12,800	2.34
5212394	PH13NB024****A	CNP*3017A**	PG96VA*42060B***	24,000	11.7	13.7	22,000	3.58	7.7	12,800	2.34
5212395	PH13NB024****A	CNP*3017A**	PG96VA*48080B***	24,000	11.7	13.7	22,000	3.62	7.8	12,800	2.36
5212343	PH13NB024****A	CNPV*2414A**	PG8*EA024045	24,000	11.5	13.5	22,000	3.56	7.7	12,900	2.32
5212383	PH13NB024****A	CNPV*2414A**	PG8*VA036070	24,000	11.7	13.5	21,800	3.54	7.7	12,800	2.32
5212386	PH13NB024****A	CNPV*2417A**	PG8*VA048090	24,000	11.7	13.7	21,800	3.58	7.7	12,800	2.34
5212344	PH13NB024****A	CNPV*2417A**	PG95XA*42060B***	24,000	11.5	13.5	21,800	3.52	7.7	12,800	2.30
5212384	PH13NB024****A	CNPV*2417A**	PG96VA*42060B***	23,800	11.5	13.5	21,800	3.50	7.7	12,800	2.30
5212385	PH13NB024****A	CNPV*2417A**	PG96VA*48080B***	24,000	11.7	13.5	21,800	3.54	7.7	12,800	2.32
5212348	PH13NB024****A	CNPV*3014A**	PG8*EA024045	24,000	11.7	13.5	22,000	3.58	7.8	12,900	2.34
5212387	PH13NB024****A	CNPV*3014A**	PG8*VA036070	24,000	11.7	13.7	21,800	3.54	7.7	12,800	2.32
5212390	PH13NB024****A	CNPV*3017A**	PG8*VA048090	24,000	12.0	13.7	21,800	3.60	7.8	12,700	2.36
5212349	PH13NB024****A	CNPV*3017A**	PG95XA*42060B***	24,000	11.7	13.7	22,000	3.60	7.8	12,800	2.34
5212388	PH13NB024****A	CNPV*3017A**	PG96VA*42060B***	24,000	11.7	13.7	22,000	3.58	7.7	12,800	2.34
5212389	PH13NB024****A	CNPV*3017A**	PG96VA*48080B***	24,000	11.7	13.7	22,000	3.62	7.8	12,800	2.36
5212362	PH13NB024****A	CSPH*2412A**	PG8*EA024045	24,000	11.7	13.5	22,000	3.56	7.7	12,900	2.32
5212401	PH13NB024****A	CSPH*2412A**	PG8*VA036070	24,000	11.7	13.5	22,000	3.54	7.7	12,800	2.32
5212402	PH13NB024****A	CSPH*2412A**	PG8*VA048090	24,000	11.7	13.7	22,000	3.58	7.7	12,800	2.34
5212403	PH13NB024****A	CSPH*2412A**	PG8*VA060110	24,000	11.7	13.5	22,000	3.56	7.7	12,900	2.32
5212404	PH13NB024****A	CSPH*2412A**	PG8*VA066135	24,000	11.7	13.7	22,000	3.56	7.7	12,800	2.34
5212361	PH13NB024****A	CSPH*2412A**	PG95XA*42060B***	24,000	11.7	13.5	21,800	3.50	7.7	12,800	2.30
5212397	PH13NB024****A	CSPH*2412A**	PG96VA*42060B***	24,000	11.5	13.5	21,800	3.48	7.7	12,800	2.30
5212398	PH13NB024****A	CSPH*2412A**	PG96VA*48080B***	24,000	11.7	13.5	21,800	3.52	7.7	12,800	2.32
5212399	PH13NB024****A	CSPH*2412A**	PG96VA*60100C***	24,000	11.7	13.7	21,800	3.48	7.7	12,700	2.30
5212400	PH13NB024****A	CSPH*2412A**	PG96VA*66120D***	24,000	11.7	13.7	21,800	3.50	7.7	12,700	2.32

PH13NB

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COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
5212366	PH13NB024****A	CSPH*3012A**	PG8*EA024045	24,000	11.7	13.7	22,200	3.64	7.8	12,900	2.36
5212410	PH13NB024****A	CSPH*3012A**	PG8*VA036070	24,000	11.7	13.7	22,000	3.58	7.7	12,800	2.34
5212411	PH13NB024****A	CSPH*3012A**	PG8*VA048090	24,000	12.0	13.7	22,000	3.62	7.8	12,800	2.36
5212412	PH13NB024****A	CSPH*3012A**	PG8*VA060110	24,000	11.7	13.7	22,000	3.62	7.8	12,800	2.36
5212413	PH13NB024****A	CSPH*3012A**	PG8*VA066135	24,000	11.7	13.7	22,000	3.62	7.8	12,800	2.36
5212365	PH13NB024****A	CSPH*3012A**	PG95XA*42060B***	24,000	11.7	13.7	22,000	3.60	7.8	12,800	2.34
5212405	PH13NB024****A	CSPH*3012A**	PG96VA*42060B***	24,000	11.7	13.7	22,000	3.58	7.7	12,800	2.34
5212406	PH13NB024****A	CSPH*3012A**	PG96VA*48080B***	24,000	11.7	13.7	22,000	3.62	7.8	12,800	2.36
5212407	PH13NB024****A	CSPH*3012A**	PG96VA*60080C***	24,000	11.7	13.7	22,000	3.64	7.8	12,800	2.36
5212408	PH13NB024****A	CSPH*3012A**	PG96VA*60100C***	24,000	11.7	13.7	22,000	3.68	7.8	12,900	2.38
5212409	PH13NB024****A	CSPH*3012A**	PG96VA*66120D***	24,000	11.7	13.7	22,000	3.64	7.8	12,800	2.36
5212332	PH13NB024****A	FB4CNF030		24,000	11.5	13.5	22,000	3.64	7.7	13,000	2.36
5212371	PH13NB024****A	FF1ENP025		24,000	11.5	13.2	22,200	3.56	7.7	13,100	2.32
5212372	PH13NB024****A	FF1ENP031		24,000	11.3	13.2	22,200	3.58	7.7	13,100	2.32
5212373	PH13NB024****A	PF4MNA025		24,000	11.5	13.2	22,200	3.54	7.7	13,000	2.32
5212374	PH13NB024****A	PF4MNA031		24,000	11.7	13.7	22,200	3.66	7.8	13,000	2.38
5212369	PH13NB024****A	PF4MNB025		24,000	11.7	13.5	22,200	3.66	7.8	13,000	2.36
5212370	PH13NB024****A	PF4MNB031		24,000	11.5	13.2	22,200	3.64	7.8	13,200	2.36
5212414	PH13NB030****A	†FB4CNF030		28,600	11.0	13.0	28,600	3.50	7.7	17,700	2.34
5212419	PH13NB030****A	CAP**3017A**	PG8*EA048070	30,000	11.3	13.2	29,600	3.46	7.7	17,600	2.34
5212486	PH13NB030****A	CAP**3017A**	PG8*VA048090	29,800	11.5	13.5	29,400	3.44	7.7	17,200	2.36
5212416	PH13NB030****A	CAP**3017A**	PG95XA*42060B***	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5212417	PH13NB030****A	CAP**3017A**	PG95XA*48080B***	30,000	11.3	13.2	29,800	3.50	7.7	17,700	2.36
5212484	PH13NB030****A	CAP**3017A**	PG96VA*42060B***	29,800	11.3	13.2	29,600	3.42	7.7	17,500	2.34
5212485	PH13NB030****A	CAP**3017A**	PG96VA*48080B***	30,000	11.3	13.2	29,600	3.46	7.7	17,400	2.36
5212487	PH13NB030****A	CAP**3614A**	PG8*VA036070	29,800	11.3	13.2	29,400	3.44	7.7	17,400	2.34
5212426	PH13NB030****A	CAP**3617A**	PG8*EA048070	30,000	11.3	13.2	29,800	3.50	7.7	17,600	2.36
5212490	PH13NB030****A	CAP**3617A**	PG8*VA048090	30,000	11.5	13.5	29,400	3.48	7.7	17,300	2.36
5212423	PH13NB030****A	CAP**3617A**	PG95XA*42060B***	30,000	11.3	13.2	29,800	3.50	7.7	17,600	2.36
5212424	PH13NB030****A	CAP**3617A**	PG95XA*48080B***	30,000	11.3	13.2	30,000	3.54	7.8	17,700	2.38
5212488	PH13NB030****A	CAP**3617A**	PG96VA*42060B***	30,000	11.3	13.2	29,600	3.46	7.7	17,500	2.34
5212489	PH13NB030****A	CAP**3617A**	PG96VA*48080B***	30,000	11.5	13.2	29,600	3.48	7.7	17,500	2.36
5212433	PH13NB030****A	CAP**3621A**	PG8*EA048090	30,000	11.5	13.5	29,800	3.58	7.8	17,500	2.40
5212493	PH13NB030****A	CAP**3621A**	PG8*VA060110	30,000	11.5	13.5	29,400	3.50	7.7	17,300	2.38
5212491	PH13NB030****A	CAP**3621A**	PG96VA*60080C***	30,000	11.7	13.5	29,600	3.54	7.8	17,400	2.40
5212492	PH13NB030****A	CAP**3621A**	PG96VA*60100C***	30,000	11.7	13.7	29,400	3.50	7.7	17,300	2.38
5212452	PH13NB030****A	CNPH*3017A**	PG8*EA048070	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5212453	PH13NB030****A	CNPH*3017A**	PG8*EA048090	30,000	11.5	13.2	29,600	3.48	7.7	17,500	2.36
5212502	PH13NB030****A	CNPH*3017A**	PG8*VA048090	30,000	11.5	13.5	29,400	3.46	7.7	17,300	2.36
5212450	PH13NB030****A	CNPH*3017A**	PG95XA*42060B***	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5212451	PH13NB030****A	CNPH*3017A**	PG95XA*48080B***	30,000	11.3	13.2	29,800	3.50	7.7	17,700	2.36
5212501	PH13NB030****A	CNPH*3017A**	PG96VA*48080B***	30,000	11.3	13.2	29,600	3.46	7.7	17,400	2.36
5212459	PH13NB030****A	CNPH*3617A**	PG8*EA048070	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5212460	PH13NB030****A	CNPH*3617A**	PG8*EA048090	30,000	11.5	13.2	29,600	3.48	7.7	17,500	2.36
5212504	PH13NB030****A	CNPH*3617A**	PG8*VA048090	30,000	11.5	13.5	29,400	3.46	7.7	17,300	2.36
5212457	PH13NB030****A	CNPH*3617A**	PG95XA*42060B***	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5212458	PH13NB030****A	CNPH*3617A**	PG95XA*48080B***	30,000	11.3	13.2	29,800	3.50	7.7	17,700	2.36
5212503	PH13NB030****A	CNPH*3617A**	PG96VA*48080B***	30,000	11.3	13.2	29,600	3.46	7.7	17,400	2.36
5212437	PH13NB030****A	CNPV*3017A**	PG8*EA048070	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5212495	PH13NB030****A	CNPV*3017A**	PG8*VA048090	30,000	11.5	13.5	29,400	3.46	7.7	17,300	2.36
5212434	PH13NB030****A	CNPV*3017A**	PG95XA*42060B***	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5212435	PH13NB030****A	CNPV*3017A**	PG95XA*48080B***	30,000	11.3	13.2	29,800	3.50	7.7	17,700	2.36
5212494	PH13NB030****A	CNPV*3017A**	PG96VA*48080B***	30,000	11.3	13.2	29,600	3.46	7.7	17,400	2.36
5212444	PH13NB030****A	CNPV*3617A**	PG8*EA048070	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5212497	PH13NB030****A	CNPV*3617A**	PG8*VA048090	30,000	11.5	13.5	29,400	3.46	7.7	17,300	2.36
5212441	PH13NB030****A	CNPV*3617A**	PG95XA*42060B***	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5212442	PH13NB030****A	CNPV*3617A**	PG95XA*48080B***	30,000	11.3	13.2	29,800	3.50	7.7	17,700	2.36
5212496	PH13NB030****A	CNPV*3617A**	PG96VA*48080B***	30,000	11.3	13.2	29,600	3.46	7.7	17,400	2.36
5212449	PH13NB030****A	CNPV*3621A**	PG8*EA048090	30,000	11.5	13.2	29,600	3.48	7.7	17,500	2.36
5212500	PH13NB030****A	CNPV*3621A**	PG8*VA060110	30,000	11.5	13.5	29,400	3.46	7.7	17,300	2.36
5212498	PH13NB030****A	CNPV*3621A**	PG96VA*60080C***	30,000	11.5	13.5	29,400	3.48	7.7	17,300	2.36
5212499	PH13NB030****A	CNPV*3621A**	PG96VA*60100C***	29,800	11.5	13.5	29,200	3.42	7.7	17,200	2.34
5212466	PH13NB030****A	CSPH*3012A**	PG8*EA048070	30,000	11.3	13.2	29,800	3.50	7.7	17,600	2.36
5212467	PH13NB030****A	CSPH*3012A**	PG8*EA048090	30,000	11.3	13.2	29,800	3.52	7.7	17,500	2.36
5212510	PH13NB030****A	CSPH*3012A**	PG8*VA036070	30,000	11.3	13.2	29,600	3.50	7.7	17,500	2.36
5212511	PH13NB030****A	CSPH*3012A**	PG8*VA048090	30,000	11.5	13.5	29,600	3.52	7.7	17,400	2.38
5212512	PH13NB030****A	CSPH*3012A**	PG8*VA060110	30,000	11.5	13.2	29,600	3.54	7.7	17,400	2.38
5212513	PH13NB030****A	CSPH*3012A**	PG8*VA066135	30,000	11.5	13.5	29,600	3.54	7.8	17,400	2.38
5212464	PH13NB030****A	CSPH*3012A**	PG95XA*42060B***	30,000	11.3	13.2	29,800	3.52	7.7	17,600	2.36
5212465	PH13NB030****A	CSPH*3012A**	PG95XA*48080B***	30,000	11.3	13.2	30,000	3.56	7.8	17,700	2.38
5212505	PH13NB030****A	CSPH*3012A**	PG96VA*42060B***	29,800	11.3	13.2	29,600	3.48	7.7	17,500	2.34
5212506	PH13NB030****A	CSPH*3012A**	PG96VA*48080B***	30,000	11.3	13.2	29,600	3.50	7.7	17,500	2.36
5212507	PH13NB030****A	CSPH*3012A**	PG96VA*60080C***	30,000	11.5	13.5	29,600	3.52	7.7	17,400	2.36
5212508	PH13NB030****A	CSPH*3012A**	PG96VA*60100C***	29,800	11.5	13.2	29,400	3.46	7.7	17,200	2.34
5212509	PH13NB030****A	CSPH*3012A**	PG96VA*66120D***	30,000	11.5	13.5	29,600	3.52	7.7	17,400	2.36
5212473	PH13NB030****A	CSPH*3612A**	PG8*EA048070	30,000	11.5	13.2	29,800	3.60	7.8	17,700	2.40
5212474	PH13NB030****A	CSPH*3612A**	PG8*EA048090	30,000	11.7	13.7	29,600	3.64	8.0	17,600	2.42

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COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
5212519	PH13NB030****A	CSPH*3612A**	PG8*VA036070	30,000	11.5	13.5	29,600	3.58	7.8	17,500	2.38
5212520	PH13NB030****A	CSPH*3612A**	PG8*VA048090	30,000	11.7	13.7	29,600	3.60	7.8	17,400	2.40
5212521	PH13NB030****A	CSPH*3612A**	PG8*VA060110	30,000	11.7	13.7	29,600	3.62	7.8	17,400	2.40
5212522	PH13NB030****A	CSPH*3612A**	PG8*VA066135	30,000	11.7	13.7	29,600	3.62	7.8	17,400	2.42
5212471	PH13NB030****A	CSPH*3612A**	PG95XA*42060B***	30,000	11.5	13.2	29,800	3.60	7.8	17,700	2.40
5212472	PH13NB030****A	CSPH*3612A**	PG95XA*48080B***	30,000	11.5	13.5	29,800	3.66	8.0	17,800	2.42
5212514	PH13NB030****A	CSPH*3612A**	PG96VA*42060B***	30,000	11.5	13.2	29,800	3.56	7.8	17,600	2.38
5212515	PH13NB030****A	CSPH*3612A**	PG96VA*48080B***	30,000	11.5	13.5	29,800	3.60	7.8	17,500	2.40
5212516	PH13NB030****A	CSPH*3612A**	PG96VA*60080C***	30,000	11.7	13.7	29,600	3.64	7.8	17,400	2.42
5212517	PH13NB030****A	CSPH*3612A**	PG96VA*60100C***	30,000	11.7	13.7	29,400	3.58	7.8	17,300	2.40
5212518	PH13NB030****A	CSPH*3612A**	PG96VA*66120D***	30,000	11.7	13.7	29,600	3.64	8.0	17,500	2.42
5212415	PH13NB030****A	FB4CNF036		28,600	11.0	13.0	28,600	3.50	7.7	17,700	2.34
5212480	PH13NB030****A	FF1ENP031		30,000	11.3	13.2	29,800	3.48	7.7	17,600	2.36
5212481	PH13NB030****A	FF1ENP037		30,000	11.2	13.0	30,000	3.52	7.7	17,800	2.36
5212482	PH13NB030****A	PF4MNA031		30,000	11.3	13.2	30,000	3.52	7.7	17,700	2.36
5212483	PH13NB030****A	PF4MNA037		30,000	11.2	13.0	30,000	3.52	7.7	17,900	2.36
5212478	PH13NB030****A	PF4MNB031		30,000	11.5	13.5	30,000	3.60	7.8	17,600	2.40
5212479	PH13NB030****A	PF4MNB037		30,000	11.7	13.7	29,400	3.68	8.0	17,700	2.44
5514490	PH13NB036****B	†FB4CNF036		33,600	11.0	13.0	33,400	3.50	7.7	20,200	2.40
5514491	PH13NB036****B	CAP**3614A**	PG8*VA036070	33,600	11.5	13.2	33,000	3.50	7.7	20,200	2.44
5514497	PH13NB036****B	CAP**3617A**	PG8*EA048070	33,800	11.5	13.2	33,200	3.52	7.8	20,400	2.44
5514496	PH13NB036****B	CAP**3617A**	PG8*VA048090	33,800	11.8	13.7	32,800	3.56	7.8	20,000	2.46
5514494	PH13NB036****B	CAP**3617A**	PG95XA*42060B***	33,600	11.5	13.2	33,200	3.52	7.8	20,400	2.44
5514495	PH13NB036****B	CAP**3617A**	PG95XA*48080B***	33,600	11.7	13.5	32,800	3.52	7.8	20,200	2.44
5514492	PH13NB036****B	CAP**3617A**	PG96VA*42060B***	33,600	11.5	13.2	33,200	3.50	7.7	20,400	2.42
5514493	PH13NB036****B	CAP**3617A**	PG96VA*48080B***	33,800	11.7	13.5	33,000	3.54	7.8	20,400	2.44
5514502	PH13NB036****B	CAP**3621A**	PG8*EA048090	34,200	12.0	13.7	33,000	3.64	8.0	20,200	2.50
5514503	PH13NB036****B	CAP**3621A**	PG8*EA060110	34,200	12.0	14.0	33,000	3.68	8.0	20,200	2.52
5514501	PH13NB036****B	CAP**3621A**	PG8*VA060110	33,800	12.0	13.7	32,800	3.58	7.8	20,000	2.48
5514500	PH13NB036****B	CAP**3621A**	PG95XA*60100C***	34,400	11.7	13.5	33,200	3.68	8.0	20,600	2.52
5514498	PH13NB036****B	CAP**3621A**	PG96VA*60080C***	33,800	12.0	13.7	32,800	3.58	7.8	20,000	2.48
5514499	PH13NB036****B	CAP**3621A**	PG96VA*60100C***	33,800	12.0	13.7	32,800	3.60	7.8	20,000	2.48
5514508	PH13NB036****B	CAP**4221A**	PG8*EA048090	34,400	12.0	14.0	33,000	3.68	8.0	20,200	2.52
5514509	PH13NB036****B	CAP**4221A**	PG8*EA060110	34,600	12.0	14.0	33,200	3.70	8.0	20,400	2.54
5514507	PH13NB036****B	CAP**4221A**	PG8*VA060110	34,000	12.0	13.7	32,800	3.62	7.8	20,200	2.50
5514506	PH13NB036****B	CAP**4221A**	PG95XA*60100C***	34,600	11.7	13.7	33,400	3.72	8.2	20,600	2.54
5514504	PH13NB036****B	CAP**4221A**	PG96VA*60080C***	34,000	12.0	13.7	33,000	3.62	7.8	20,200	2.50
5514505	PH13NB036****B	CAP**4221A**	PG96VA*60100C***	34,000	12.0	14.0	32,800	3.62	8.0	20,000	2.50
5514511	PH13NB036****B	CAP**4224A**	PG8*VA066135	34,000	12.0	13.7	32,600	3.64	8.0	20,000	2.52
5514510	PH13NB036****B	CAP**4224A**	PG96VA*66120D***	34,200	12.0	13.7	33,000	3.64	8.0	20,200	2.50
5514541	PH13NB036****B	CNPH*3617A**	PG8*EA048070	33,600	11.5	13.2	33,000	3.50	7.7	20,400	2.42
5514540	PH13NB036****B	CNPH*3617A**	PG8*VA048090	33,600	11.7	13.7	32,800	3.54	7.8	20,000	2.46
5514538	PH13NB036****B	CNPH*3617A**	PG95XA*42060B***	33,600	11.5	13.2	33,200	3.48	7.7	20,400	2.42
5514539	PH13NB036****B	CNPH*3617A**	PG95XA*48080B***	33,600	11.7	13.5	32,800	3.50	7.7	20,000	2.42
5514536	PH13NB036****B	CNPH*3617A**	PG96VA*42060B***	33,600	11.3	13.2	33,200	3.46	7.7	20,400	2.42
5514537	PH13NB036****B	CNPH*3617A**	PG96VA*48080B***	33,600	11.5	13.2	33,000	3.52	7.7	20,200	2.44
5514546	PH13NB036****B	CNPH*4221A**	PG8*EA048090	34,200	12.0	13.7	33,000	3.66	8.0	20,200	2.52
5514547	PH13NB036****B	CNPH*4221A**	PG8*EA060110	34,400	12.0	14.0	33,200	3.68	8.0	20,400	2.52
5514545	PH13NB036****B	CNPH*4221A**	PG8*VA060110	34,200	12.0	13.7	33,000	3.62	7.8	20,200	2.50
5514544	PH13NB036****B	CNPH*4221A**	PG95XA*60100C***	34,600	11.7	13.5	33,200	3.68	8.0	20,600	2.52
5514542	PH13NB036****B	CNPH*4221A**	PG96VA*60080C***	34,000	12.0	13.7	32,800	3.60	7.8	20,200	2.48
5514543	PH13NB036****B	CNPH*4221A**	PG96VA*60100C***	34,000	12.0	13.7	32,800	3.60	7.8	20,000	2.48
5514517	PH13NB036****B	CNPV*3617A**	PG8*EA048070	33,600	11.5	13.2	33,000	3.50	7.7	20,400	2.42
5514516	PH13NB036****B	CNPV*3617A**	PG8*VA048090	33,600	11.7	13.7	32,800	3.54	7.8	20,000	2.46
5514514	PH13NB036****B	CNPV*3617A**	PG95XA*42060B***	33,600	11.5	13.2	33,200	3.48	7.7	20,400	2.42
5514515	PH13NB036****B	CNPV*3617A**	PG95XA*48080B***	33,600	11.7	13.5	32,800	3.50	7.7	20,000	2.42
5514512	PH13NB036****B	CNPV*3617A**	PG96VA*42060B***	33,600	11.3	13.2	33,200	3.46	7.7	20,400	2.42
5514513	PH13NB036****B	CNPV*3617A**	PG96VA*48080B***	33,600	11.5	13.2	33,000	3.52	7.7	20,200	2.44
5514522	PH13NB036****B	CNPV*3621A**	PG8*EA048090	33,800	11.8	13.7	32,800	3.58	7.8	20,200	2.48
5514523	PH13NB036****B	CNPV*3621A**	PG8*EA060110	34,000	11.8	13.7	33,000	3.60	7.8	20,200	2.48
5514521	PH13NB036****B	CNPV*3621A**	PG8*VA060110	33,800	11.7	13.7	32,800	3.54	7.8	20,000	2.46
5514520	PH13NB036****B	CNPV*3621A**	PG95XA*60100C***	34,000	11.5	13.5	33,000	3.60	8.0	20,600	2.48
5514518	PH13NB036****B	CNPV*3621A**	PG96VA*60080C***	33,600	11.7	13.7	32,800	3.52	7.8	20,000	2.46
5514519	PH13NB036****B	CNPV*3621A**	PG96VA*60100C***	33,600	11.7	13.7	32,600	3.52	7.8	19,900	2.46
5514529	PH13NB036****B	CNPV*4217A**	PG8*EA048070	34,200	11.7	13.5	33,400	3.62	7.8	20,600	2.48
5514528	PH13NB036****B	CNPV*4217A**	PG8*VA048090	34,400	12.0	14.0	33,000	3.66	8.0	20,200	2.52
5514526	PH13NB036****B	CNPV*4217A**	PG95XA*42060B***	34,200	11.7	13.5	33,400	3.60	7.8	20,600	2.48
5514527	PH13NB036****B	CNPV*4217A**	PG95XA*48080B***	34,200	11.7	13.7	33,200	3.62	7.8	20,400	2.48
5514524	PH13NB036****B	CNPV*4217A**	PG96VA*42060B***	34,200	11.5	13.2	33,400	3.60	7.8	20,600	2.46
5514525	PH13NB036****B	CNPV*4217A**	PG96VA*48080B***	34,200	11.7	13.7	33,400	3.62	8.0	20,400	2.50
5514534	PH13NB036****B	CNPV*4221A**	PG8*EA048090	34,200	12.0	13.7	33,000	3.66	8.0	20,200	2.52
5514535	PH13NB036****B	CNPV*4221A**	PG8*EA060110	34,400	12.0	14.0	33,200	3.68	8.0	20,400	2.52
5514533	PH13NB036****B	CNPV*4221A**	PG8*VA060110	34,200	12.0	13.7	33,000	3.62	7.8	20,200	2.50
5514532	PH13NB036****B	CNPV*4221A**	PG95XA*60100C***	34,600	11.7	13.5	33,200	3.68	8.0	20,600	2.52
5514530	PH13NB036****B	CNPV*4221A**	PG96VA*60080C***	34,000	12.0	13.7	32,800	3.60	7.8	20,200	2.48
5514531	PH13NB036****B	CNPV*4221A**	PG96VA*60100C***	34,000	12.0	13.7	32,800	3.60	7.8	20,000	2.48
5514560	PH13NB036****B	CSPH*3612A**	PG8*EA024045	34,400	11.5	13.2	33,800	3.58	7.8	21,000	2.46

PH13NB

See notes on page 16

COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
5514561	PH13NB036****B	CSPH*3612A**	PG8*EA048070	34,400	11.7	13.5	33,400	3.62	8.0	20,600	2.48
5514562	PH13NB036****B	CSPH*3612A**	PG8*EA048090	34,800	12.2	14.0	33,200	3.72	8.0	20,400	2.54
5514563	PH13NB036****B	CSPH*3612A**	PG8*EA060110	34,800	12.2	14.0	33,200	3.74	8.2	20,400	2.56
5514564	PH13NB036****B	CSPH*3612A**	PG8*VA036070	34,400	11.8	13.7	33,200	3.62	8.0	20,400	2.50
5514565	PH13NB036****B	CSPH*3612A**	PG8*VA048090	34,400	12.0	14.0	33,000	3.66	8.0	20,200	2.52
5514566	PH13NB036****B	CSPH*3612A**	PG8*VA060110	34,600	12.0	14.0	33,200	3.68	8.0	20,400	2.52
5514567	PH13NB036****B	CSPH*3612A**	PG8*VA066135	34,600	12.2	14.0	33,000	3.68	8.0	20,200	2.52
5514568	PH13NB036****B	CSPH*3612A**	PG95XA*42060B***	34,400	11.7	13.5	33,400	3.62	8.0	20,600	2.48
5514569	PH13NB036****B	CSPH*3612A**	PG95XA*48080B***	34,400	11.8	13.7	33,200	3.64	8.0	20,400	2.50
5514570	PH13NB036****B	CSPH*3612A**	PG95XA*60100C***	35,000	11.7	13.7	33,400	3.76	8.2	20,800	2.56
5514571	PH13NB036****B	CSPH*3612A**	PG96VA*42060B***	34,400	11.7	13.5	33,400	3.60	7.8	20,600	2.48
5514572	PH13NB036****B	CSPH*3612A**	PG96VA*48080B***	34,400	11.7	13.7	33,400	3.64	8.0	20,600	2.50
5514573	PH13NB036****B	CSPH*3612A**	PG96VA*60080C***	34,400	12.0	14.0	33,000	3.66	8.0	20,200	2.52
5514574	PH13NB036****B	CSPH*3612A**	PG96VA*60100C***	34,400	12.0	14.0	33,000	3.66	8.0	20,200	2.52
5514575	PH13NB036****B	CSPH*3612A**	PG96VA*66120D***	34,400	12.0	14.0	33,000	3.66	8.0	20,200	2.52
5514576	PH13NB036****B	CSPH*4212A**	PG8*EA024045	34,600	11.5	13.2	33,800	3.62	8.0	21,000	2.48
5514577	PH13NB036****B	CSPH*4212A**	PG8*EA048070	34,800	11.7	13.7	33,600	3.68	8.0	20,800	2.52
5514578	PH13NB036****B	CSPH*4212A**	PG8*EA048090	35,000	12.2	14.0	33,400	3.76	8.2	20,400	2.56
5514579	PH13NB036****B	CSPH*4212A**	PG8*EA060110	35,200	12.2	14.0	33,400	3.80	8.2	20,600	2.58
5514580	PH13NB036****B	CSPH*4212A**	PG8*VA036070	34,600	12.0	13.7	33,200	3.66	8.0	20,400	2.50
5514581	PH13NB036****B	CSPH*4212A**	PG8*VA048090	34,600	12.2	14.0	33,200	3.70	8.0	20,200	2.54
5514582	PH13NB036****B	CSPH*4212A**	PG8*VA060110	34,800	12.2	14.0	33,200	3.72	8.0	20,400	2.54
5514583	PH13NB036****B	CSPH*4212A**	PG8*VA066135	34,600	12.0	14.0	33,000	3.72	8.2	20,200	2.54
5514584	PH13NB036****B	CSPH*4212A**	PG95XA*42060B***	34,600	11.7	13.7	33,600	3.66	8.0	20,800	2.50
5514585	PH13NB036****B	CSPH*4212A**	PG95XA*48080B***	34,600	12.0	13.7	33,200	3.66	8.0	20,400	2.52
5514586	PH13NB036****B	CSPH*4212A**	PG95XA*60100C***	35,200	11.7	13.7	33,600	3.80	8.2	20,800	2.58
5514587	PH13NB036****B	CSPH*4212A**	PG96VA*42060B***	34,600	11.7	13.5	33,600	3.64	8.0	20,800	2.50
5514588	PH13NB036****B	CSPH*4212A**	PG96VA*48080B***	34,800	11.8	13.7	33,400	3.68	8.0	20,600	2.52
5514589	PH13NB036****B	CSPH*4212A**	PG96VA*60080C***	34,600	12.2	14.0	33,200	3.70	8.0	20,400	2.54
5514590	PH13NB036****B	CSPH*4212A**	PG96VA*60100C***	34,600	12.2	14.0	33,200	3.72	8.0	20,200	2.54
5514591	PH13NB036****B	CSPH*4212A**	PG96VA*66120D***	34,800	12.2	14.0	33,200	3.72	8.0	20,400	2.54
5514592	PH13NB036****B	FB4CNF042		34,200	11.5	13.5	33,400	3.76	8.0	20,800	2.56
5514593	PH13NB036****B	FF1ENP037		33,600	11.2	13.0	32,800	3.46	7.7	20,200	2.42
5514594	PH13NB036****B	PF4MNA037		34,400	11.7	13.5	33,400	3.62	8.0	20,600	2.48
5514595	PH13NB036****B	PF4MNA043		35,000	11.7	13.5	33,800	3.70	8.0	21,000	2.52
5514596	PH13NB036****B	PF4MNB037		35,200	12.2	14.0	33,400	3.78	8.2	20,600	2.56
5514597	PH13NB036****B	PF4MNB043		35,200	12.2	14.0	33,400	3.78	8.2	20,600	2.56
5514598	PH13NB042****B	†FB4CNF042		41,500	11.0	13.0	39,000	3.60	8.0	24,400	2.40
5514599	PH13NB042****B	CAP**4221A**	PG8*EA048090	41,500	11.3	13.0	38,500	3.52	7.8	23,600	2.36
5514600	PH13NB042****B	CAP**4221A**	PG8*EA060110	42,000	11.5	13.2	38,500	3.54	7.8	23,600	2.38
5514601	PH13NB042****B	CAP**4221A**	PG8*VA060110	41,500	11.3	13.0	38,500	3.50	7.8	23,600	2.36
5514602	PH13NB042****B	CAP**4221A**	PG95XA*60080C***	42,000	11.3	13.0	38,500	3.52	7.8	23,800	2.36
5514603	PH13NB042****B	CAP**4221A**	PG95XA*60100C***	41,500	11.3	13.0	38,500	3.50	7.8	23,600	2.36
5514604	PH13NB042****B	CAP**4221A**	PG96VA*60080C***	41,500	11.3	13.0	38,500	3.50	7.8	23,600	2.36
5514605	PH13NB042****B	CAP**4221A**	PG96VA*60100C***	41,500	11.3	13.0	38,500	3.50	7.8	23,400	2.36
5514606	PH13NB042****B	CAP**4224A**	PG8*EA060135	42,000	11.3	13.2	38,500	3.54	7.8	23,600	2.38
5514607	PH13NB042****B	CAP**4224A**	PG8*VA066135	41,500	11.5	13.2	38,000	3.52	7.8	23,400	2.38
5514608	PH13NB042****B	CAP**4224A**	PG95XA*66120D***	42,000	11.3	13.0	38,500	3.54	7.8	23,800	2.38
5514609	PH13NB042****B	CAP**4224A**	PG96VA*66120D***	41,500	11.3	13.0	38,500	3.50	7.8	23,600	2.36
5514610	PH13NB042****B	CAP**4817A**	PG8*VA048090	42,000	11.5	13.2	39,000	3.66	8.0	23,800	2.40
5514611	PH13NB042****B	CAP**4821A**	PG8*EA048090	42,000	11.5	13.2	38,500	3.62	8.0	23,800	2.40
5514612	PH13NB042****B	CAP**4821A**	PG8*EA060110	42,000	11.5	13.2	38,500	3.64	8.0	23,800	2.42
5514613	PH13NB042****B	CAP**4821A**	PG8*VA060110	42,000	11.3	13.2	38,500	3.60	8.0	23,800	2.40
5514614	PH13NB042****B	CAP**4821A**	PG95XA*60080C***	42,000	11.3	13.2	39,000	3.62	8.0	24,000	2.40
5514615	PH13NB042****B	CAP**4821A**	PG95XA*60100C***	42,000	11.5	13.2	38,500	3.60	7.8	23,800	2.40
5514616	PH13NB042****B	CAP**4821A**	PG96VA*60080C***	42,000	11.3	13.2	38,500	3.58	7.8	23,800	2.40
5514617	PH13NB042****B	CAP**4821A**	PG96VA*60100C***	42,000	11.5	13.2	38,500	3.58	7.8	23,600	2.40
5514618	PH13NB042****B	CAP**4824A**	PG8*EA060135	42,000	11.5	13.2	39,000	3.64	8.0	23,800	2.42
5514619	PH13NB042****B	CAP**4824A**	PG8*VA066135	42,000	11.5	13.5	38,500	3.64	8.0	23,600	2.42
5514620	PH13NB042****B	CAP**4824A**	PG95XA*66120D***	42,000	11.3	13.2	39,000	3.66	8.0	24,200	2.42
5514621	PH13NB042****B	CAP**4824A**	PG96VA*66120D***	42,000	11.5	13.2	38,500	3.60	8.0	23,800	2.40
5514622	PH13NB042****B	CNPH*4221A**	PG8*EA048090	41,500	11.3	13.0	38,500	3.50	7.8	23,600	2.36
5514623	PH13NB042****B	CNPH*4221A**	PG8*EA060110	41,500	11.3	13.2	38,500	3.52	7.8	23,600	2.36
5514624	PH13NB042****B	CNPH*4221A**	PG8*VA060110	41,500	11.2	13.0	38,500	3.48	7.8	23,600	2.34
5514625	PH13NB042****B	CNPH*4221A**	PG95XA*60080C***	41,500	11.2	13.0	38,500	3.50	7.8	23,800	2.36
5514626	PH13NB042****B	CNPH*4221A**	PG95XA*60100C***	41,500	11.3	13.0	38,500	3.48	7.7	23,400	2.34
5514627	PH13NB042****B	CNPH*4221A**	PG96VA*60080C***	41,500	11.3	13.0	38,500	3.48	7.7	23,600	2.34
5514628	PH13NB042****B	CNPH*4221A**	PG96VA*60100C***	41,500	11.3	13.0	38,500	3.46	7.7	23,400	2.34
5514629	PH13NB042****B	CNPH*4821A**	PG8*EA048090	42,000	11.5	13.5	39,000	3.64	8.0	23,800	2.42
5514630	PH13NB042****B	CNPH*4821A**	PG8*EA060110	42,000	11.7	13.5	38,500	3.66	8.0	23,800	2.44
5514631	PH13NB042****B	CNPH*4821A**	PG8*VA060110	42,000	11.5	13.2	38,500	3.62	8.0	23,800	2.42
5514632	PH13NB042****B	CNPH*4821A**	PG95XA*60080C***	42,000	11.5	13.2	39,000	3.64	8.0	24,000	2.42
5514633	PH13NB042****B	CNPH*4821A**	PG95XA*60100C***	42,000	11.5	13.2	38,500	3.62	8.0	23,800	2.42
5514634	PH13NB042****B	CNPH*4821A**	PG96VA*60080C***	42,000	11.5	13.2	38,500	3.62	8.0	23,800	2.40
5514635	PH13NB042****B	CNPH*4821A**	PG96VA*60100C***	42,000	11.5	13.2	38,500	3.62	8.0	23,800	2.42
5514636	PH13NB042****B	CNPV*4217A**	PG8*VA048090	42,000	11.3	13.0	38,500	3.52	7.8	23,800	2.36
5514637	PH13NB042****B	CNPV*4221A**	PG8*EA048090	41,500	11.3	13.0	38,500	3.50	7.8	23,600	2.36

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COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
5514617	PH13NB042****B	CNPV*4221A**	PG8*EA060110	41,500	11.3	13.2	38,500	3.52	7.8	23,600	2.36
5514615	PH13NB042****B	CNPV*4221A**	PG8*VA060110	41,500	11.2	13.0	38,500	3.48	7.8	23,600	2.34
5514613	PH13NB042****B	CNPV*4221A**	PG95XA*60080C***	41,500	11.2	13.0	38,500	3.50	7.8	23,800	2.36
5514614	PH13NB042****B	CNPV*4221A**	PG95XA*60100C***	41,500	11.3	13.0	38,500	3.48	7.7	23,400	2.34
5514611	PH13NB042****B	CNPV*4221A**	PG96VA*60080C***	41,500	11.3	13.0	38,500	3.48	7.7	23,600	2.34
5514612	PH13NB042****B	CNPV*4221A**	PG96VA*60100C***	41,500	11.3	13.0	38,500	3.46	7.7	23,400	2.34
5514623	PH13NB042****B	CNPV*4821A**	PG8*EA048090	42,000	11.5	13.5	39,000	3.64	8.0	23,800	2.42
5514624	PH13NB042****B	CNPV*4821A**	PG8*EA060110	42,000	11.7	13.5	38,500	3.66	8.0	23,800	2.44
5514622	PH13NB042****B	CNPV*4821A**	PG8*VA060110	42,000	11.5	13.2	38,500	3.62	8.0	23,800	2.42
5514620	PH13NB042****B	CNPV*4821A**	PG95XA*60080C***	42,000	11.5	13.2	39,000	3.64	8.0	24,000	2.42
5514621	PH13NB042****B	CNPV*4821A**	PG95XA*60100C***	42,000	11.5	13.2	38,500	3.62	8.0	23,800	2.42
5514618	PH13NB042****B	CNPV*4821A**	PG96VA*60080C***	42,000	11.5	13.2	38,500	3.62	8.0	23,800	2.40
5514619	PH13NB042****B	CNPV*4821A**	PG96VA*60100C***	42,000	11.5	13.2	38,500	3.62	8.0	23,800	2.42
5514628	PH13NB042****B	CNPV*4824A**	PG8*EA060135	42,000	11.5	13.5	39,000	3.66	8.0	23,800	2.42
5514627	PH13NB042****B	CNPV*4824A**	PG8*VA066135	42,000	11.7	13.5	38,500	3.64	8.0	23,600	2.42
5514626	PH13NB042****B	CNPV*4824A**	PG95XA*66120D***	42,000	11.5	13.2	39,000	3.66	8.0	24,200	2.42
5514625	PH13NB042****B	CNPV*4824A**	PG96VA*66120D***	42,000	11.5	13.2	38,500	3.62	8.0	23,800	2.40
5514654	PH13NB042****B	CSPH*4212A**	PG8*EA048090	42,000	11.5	13.2	38,500	3.62	8.0	23,800	2.42
5514655	PH13NB042****B	CSPH*4212A**	PG8*EA060110	42,000	11.5	13.5	38,500	3.64	8.0	23,800	2.42
5514656	PH13NB042****B	CSPH*4212A**	PG8*EA060135	42,000	11.5	13.2	38,500	3.62	8.0	23,800	2.42
5514650	PH13NB042****B	CSPH*4212A**	PG8*VA036070	42,000	11.2	13.0	39,000	3.54	7.8	24,000	2.36
5514651	PH13NB042****B	CSPH*4212A**	PG8*VA048090	42,000	11.5	13.2	38,500	3.60	8.0	23,800	2.40
5514652	PH13NB042****B	CSPH*4212A**	PG8*VA060110	42,000	11.5	13.2	38,500	3.60	8.0	23,800	2.40
5514653	PH13NB042****B	CSPH*4212A**	PG8*VA066135	42,000	11.7	13.5	38,500	3.64	8.0	23,800	2.42
5514647	PH13NB042****B	CSPH*4212A**	PG95XA*60080C***	42,000	11.5	13.2	39,000	3.62	8.0	24,000	2.40
5514648	PH13NB042****B	CSPH*4212A**	PG95XA*60100C***	42,000	11.5	13.2	38,500	3.60	8.0	23,800	2.40
5514649	PH13NB042****B	CSPH*4212A**	PG95XA*66120D***	42,000	11.5	13.2	39,000	3.64	8.0	24,200	2.42
5514643	PH13NB042****B	CSPH*4212A**	PG96VA*48080B***	42,000	11.2	13.0	39,000	3.54	7.8	24,000	2.36
5514644	PH13NB042****B	CSPH*4212A**	PG96VA*60080C***	42,000	11.5	13.2	38,500	3.60	8.0	23,800	2.40
5514645	PH13NB042****B	CSPH*4212A**	PG96VA*60100C***	42,000	11.5	13.2	38,500	3.60	8.0	23,800	2.40
5514646	PH13NB042****B	CSPH*4212A**	PG96VA*66120D***	42,000	11.5	13.2	38,500	3.60	8.0	23,800	2.40
5514669	PH13NB042****B	CSPH*4812A**	PG8*EA048090	42,000	11.5	13.5	39,000	3.66	8.0	24,000	2.42
5514670	PH13NB042****B	CSPH*4812A**	PG8*EA060110	42,000	11.7	13.5	38,500	3.66	8.0	23,800	2.44
5514671	PH13NB042****B	CSPH*4812A**	PG8*EA060135	42,000	11.5	13.5	39,000	3.64	8.0	23,800	2.42
5514665	PH13NB042****B	CSPH*4812A**	PG8*VA036070	42,000	11.0	13.0	39,000	3.56	7.8	24,200	2.38
5514666	PH13NB042****B	CSPH*4812A**	PG8*VA048090	42,000	11.5	13.2	39,000	3.62	8.0	23,800	2.40
5514667	PH13NB042****B	CSPH*4812A**	PG8*VA060110	42,000	11.5	13.2	39,000	3.64	8.0	24,000	2.42
5514668	PH13NB042****B	CSPH*4812A**	PG8*VA066135	42,000	11.7	13.5	38,500	3.66	8.0	23,800	2.44
5514661	PH13NB042****B	CSPH*4812A**	PG95XA*48080B***	42,000	11.0	13.0	39,500	3.60	8.0	24,400	2.38
5514662	PH13NB042****B	CSPH*4812A**	PG95XA*60080C***	42,000	11.5	13.2	39,000	3.66	8.0	24,200	2.42
5514663	PH13NB042****B	CSPH*4812A**	PG95XA*60100C***	42,000	11.5	13.5	38,500	3.62	8.0	23,800	2.42
5514664	PH13NB042****B	CSPH*4812A**	PG95XA*66120D***	42,000	11.5	13.2	39,000	3.66	8.0	24,200	2.42
5514657	PH13NB042****B	CSPH*4812A**	PG96VA*48080B***	42,000	11.0	13.0	39,000	3.56	7.8	24,200	2.38
5514658	PH13NB042****B	CSPH*4812A**	PG96VA*60080C***	42,000	11.5	13.2	39,000	3.62	8.0	23,800	2.42
5514659	PH13NB042****B	CSPH*4812A**	PG96VA*60100C***	42,000	11.5	13.5	38,500	3.62	8.0	23,800	2.42
5514660	PH13NB042****B	CSPH*4812A**	PG96VA*66120D***	42,000	11.5	13.2	39,000	3.62	8.0	23,800	2.40
5514672	PH13NB042****B	FB4CNF048		41,500	11.0	13.0	39,000	3.64	8.0	24,200	2.42
5514675	PH13NB042****B	PF4MNA043		42,000	11.0	13.0	39,500	3.60	8.0	24,400	2.38
5514676	PH13NB042****B	PF4MNA049		42,000	11.5	13.5	39,500	3.76	8.2	24,600	2.46
5514673	PH13NB042****B	PF4MNB043		42,000	11.3	13.2	39,000	3.62	8.0	24,200	2.40
5514674	PH13NB042****B	PF4MNB049		42,000	11.7	13.7	39,000	3.80	8.2	24,400	2.48
5514677	PH13NB048****B	†FB4CNF048		47,000	11.0	13.0	45,000	3.48	8.0	28,600	2.44
5514678	PH13NB048****B	CAP**4817A**	PG8*VA048090	47,000	11.5	13.2	45,000	3.50	8.0	28,200	2.44
5514684	PH13NB048****B	CAP**4821A**	PG8*EA048090	47,000	11.5	13.2	45,000	3.50	8.0	28,200	2.46
5514685	PH13NB048****B	CAP**4821A**	PG8*EA060110	47,000	11.7	13.2	44,500	3.52	8.0	27,800	2.48
5514683	PH13NB048****B	CAP**4821A**	PG8*VA060110	46,500	11.5	13.2	44,500	3.48	7.8	28,000	2.44
5514681	PH13NB048****B	CAP**4821A**	PG95XA*60080C***	47,000	11.5	13.2	45,000	3.48	8.0	28,200	2.44
5514682	PH13NB048****B	CAP**4821A**	PG95XA*60100C***	46,500	11.5	13.2	44,500	3.48	8.0	28,000	2.46
5514679	PH13NB048****B	CAP**4821A**	PG96VA*60080C***	46,500	11.5	13.2	44,500	3.46	7.8	28,000	2.44
5514680	PH13NB048****B	CAP**4821A**	PG96VA*60100C***	46,500	11.5	13.2	44,500	3.48	7.8	28,000	2.46
5514689	PH13NB048****B	CAP**4824A**	PG8*EA060135	47,000	11.7	13.2	44,500	3.52	8.0	28,000	2.48
5514688	PH13NB048****B	CAP**4824A**	PG8*VA066135	47,000	11.7	13.2	44,500	3.52	8.0	27,800	2.48
5514687	PH13NB048****B	CAP**4824A**	PG95XA*66120D***	47,000	11.5	13.2	45,000	3.50	8.0	28,200	2.46
5514686	PH13NB048****B	CAP**4824A**	PG96VA*66120D***	47,000	11.5	13.2	44,500	3.50	8.0	28,000	2.46
5514695	PH13NB048****B	CAP**6021A**	PG8*EA048090	48,000	11.7	13.2	45,000	3.56	8.0	28,400	2.50
5514696	PH13NB048****B	CAP**6021A**	PG8*EA060110	48,000	12.0	13.7	44,500	3.58	8.0	28,000	2.52
5514694	PH13NB048****B	CAP**6021A**	PG8*VA060110	47,500	11.7	13.2	45,000	3.54	8.0	28,200	2.48
5514692	PH13NB048****B	CAP**6021A**	PG95XA*60080C***	48,000	11.7	13.2	45,000	3.54	8.0	28,400	2.48
5514693	PH13NB048****B	CAP**6021A**	PG95XA*60100C***	48,000	11.7	13.2	45,000	3.54	8.0	28,200	2.48
5514690	PH13NB048****B	CAP**6021A**	PG96VA*60080C***	47,500	11.7	13.2	45,000	3.54	8.0	28,200	2.48
5514691	PH13NB048****B	CAP**6021A**	PG96VA*60100C***	48,000	11.7	13.7	45,000	3.60	8.0	28,200	2.50
5514700	PH13NB048****B	CAP**6024A**	PG8*EA060135	48,000	11.7	13.7	45,000	3.58	8.0	28,200	2.50
5514699	PH13NB048****B	CAP**6024A**	PG8*VA066135	48,000	11.8	13.7	44,500	3.58	8.0	28,000	2.50
5514698	PH13NB048****B	CAP**6024A**	PG95XA*66120D***	48,000	11.7	13.2	45,000	3.58	8.0	28,400	2.50
5514697	PH13NB048****B	CAP**6024A**	PG96VA*66120D***	48,000	11.7	13.2	45,000	3.54	8.0	28,200	2.48
5514721	PH13NB048****B	CNPH*4821A**	PG8*EA048090	47,000	11.5	13.2	45,000	3.52	8.0	28,200	2.46
5514722	PH13NB048****B	CNPH*4821A**	PG8*EA060110	47,000	11.7	13.7	44,500	3.54	7.8	27,800	2.48

PH13NB

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COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
5514720	PH13NB048****B	CNPH*4821A**	PG8*VA060110	47,000	11.7	13.2	44,500	3.50	8.0	28,000	2.46
5514718	PH13NB048****B	CNPH*4821A**	PG95XA*60080C***	47,000	11.5	13.2	45,000	3.50	8.0	28,200	2.46
5514719	PH13NB048****B	CNPH*4821A**	PG95XA*60100C***	47,000	11.7	13.2	44,500	3.50	8.0	28,000	2.46
5514716	PH13NB048****B	CNPH*4821A**	PG96VA*60080C***	47,000	11.5	13.2	44,500	3.50	8.0	28,000	2.46
5514717	PH13NB048****B	CNPH*4821A**	PG96VA*60100C***	47,000	11.7	13.2	44,500	3.50	8.0	28,000	2.46
5514726	PH13NB048****B	CNPH*6024A**	PG8*EA060135	48,000	11.8	13.7	45,000	3.58	8.0	28,200	2.50
5514725	PH13NB048****B	CNPH*6024A**	PG8*VA066135	48,000	12.0	13.7	44,500	3.58	8.0	28,000	2.52
5514724	PH13NB048****B	CNPH*6024A**	PG95XA*66120D***	48,000	11.7	13.2	45,000	3.56	8.0	28,400	2.50
5514723	PH13NB048****B	CNPH*6024A**	PG96VA*66120D***	48,000	11.7	13.2	45,000	3.56	8.0	28,200	2.50
5514706	PH13NB048****B	CNPH*4821A**	PG8*EA048090	47,000	11.5	13.2	45,000	3.52	8.0	28,200	2.46
5514707	PH13NB048****B	CNPH*4821A**	PG8*EA060110	47,000	11.7	13.7	44,500	3.54	7.8	27,800	2.48
5514705	PH13NB048****B	CNPH*4821A**	PG8*VA060110	47,000	11.7	13.2	44,500	3.50	8.0	28,000	2.46
5514703	PH13NB048****B	CNPH*4821A**	PG95XA*60080C***	47,000	11.5	13.2	45,000	3.50	8.0	28,200	2.46
5514704	PH13NB048****B	CNPH*4821A**	PG95XA*60100C***	47,000	11.7	13.2	44,500	3.50	8.0	28,000	2.46
5514701	PH13NB048****B	CNPH*4821A**	PG96VA*60080C***	47,000	11.5	13.2	44,500	3.50	8.0	28,000	2.46
5514702	PH13NB048****B	CNPH*4821A**	PG96VA*60100C***	47,000	11.7	13.2	44,500	3.50	8.0	28,000	2.46
5514711	PH13NB048****B	CNPH*4824A**	PG8*EA060135	47,000	11.7	13.2	44,500	3.52	8.0	28,000	2.48
5514710	PH13NB048****B	CNPH*4824A**	PG8*VA066135	47,000	11.7	13.2	44,500	3.52	8.0	27,800	2.48
5514709	PH13NB048****B	CNPH*4824A**	PG95XA*66120D***	47,000	11.5	13.2	45,000	3.52	8.0	28,200	2.46
5514708	PH13NB048****B	CNPH*4824A**	PG96VA*66120D***	47,000	11.5	13.2	44,500	3.50	8.0	28,200	2.46
5514715	PH13NB048****B	CNPH*6024A**	PG8*EA060135	48,000	11.8	13.7	45,000	3.58	8.0	28,200	2.50
5514714	PH13NB048****B	CNPH*6024A**	PG8*VA066135	48,000	12.0	13.7	44,500	3.58	8.0	28,000	2.52
5514713	PH13NB048****B	CNPH*6024A**	PG95XA*66120D***	48,000	11.7	13.2	45,000	3.56	8.0	28,400	2.50
5514712	PH13NB048****B	CNPH*6024A**	PG96VA*66120D***	48,000	11.7	13.2	45,000	3.56	8.0	28,200	2.50
5514736	PH13NB048****B	CSPH*4812A**	PG8*EA048090	47,500	11.7	13.2	45,000	3.54	8.0	28,200	2.46
5514737	PH13NB048****B	CSPH*4812A**	PG8*EA060110	47,500	11.7	13.7	44,500	3.54	8.0	28,000	2.48
5514738	PH13NB048****B	CSPH*4812A**	PG8*EA060135	47,500	11.7	13.2	44,500	3.52	8.0	28,200	2.48
5514733	PH13NB048****B	CSPH*4812A**	PG8*VA048090	47,000	11.5	13.2	45,000	3.50	8.0	28,200	2.46
5514734	PH13NB048****B	CSPH*4812A**	PG8*VA060110	47,000	11.5	13.2	45,000	3.50	8.0	28,200	2.46
5514735	PH13NB048****B	CSPH*4812A**	PG8*VA066135	47,500	11.7	13.2	44,500	3.54	8.0	28,000	2.48
5514730	PH13NB048****B	CSPH*4812A**	PG95XA*60080C***	47,500	11.5	13.2	45,000	3.52	8.0	28,200	2.46
5514731	PH13NB048****B	CSPH*4812A**	PG95XA*60100C***	47,500	11.7	13.2	44,500	3.52	8.0	28,200	2.46
5514732	PH13NB048****B	CSPH*4812A**	PG96VA*66120D***	47,500	11.5	13.2	45,000	3.52	8.0	28,200	2.46
5514727	PH13NB048****B	CSPH*4812A**	PG96VA*60080C***	47,000	11.7	13.2	44,500	3.50	8.0	28,200	2.46
5514728	PH13NB048****B	CSPH*4812A**	PG96VA*60100C***	47,000	11.7	13.2	44,500	3.52	8.0	28,000	2.46
5514729	PH13NB048****B	CSPH*4812A**	PG96VA*66120D***	47,000	11.7	13.2	44,500	3.52	8.0	28,200	2.46
5514748	PH13NB048****B	CSPH*6012A**	PG8*EA048090	48,000	11.7	13.7	45,000	3.60	8.2	28,400	2.50
5514749	PH13NB048****B	CSPH*6012A**	PG8*EA060110	48,000	12.0	14.0	45,000	3.64	8.2	28,000	2.54
5514750	PH13NB048****B	CSPH*6012A**	PG8*EA060135	48,000	12.0	13.7	45,000	3.62	8.2	28,200	2.52
5514745	PH13NB048****B	CSPH*6012A**	PG8*VA048090	48,000	11.7	13.2	45,000	3.56	8.0	28,200	2.48
5514746	PH13NB048****B	CSPH*6012A**	PG8*VA060110	48,000	11.8	13.7	45,000	3.58	8.0	28,200	2.50
5514747	PH13NB048****B	CSPH*6012A**	PG8*VA066135	48,000	12.0	13.7	44,500	3.60	8.2	28,000	2.52
5514742	PH13NB048****B	CSPH*6012A**	PG95XA*60080C***	48,000	11.7	13.2	45,000	3.60	8.2	28,400	2.50
5514743	PH13NB048****B	CSPH*6012A**	PG95XA*60100C***	48,000	11.8	13.7	45,000	3.60	8.2	28,200	2.50
5514744	PH13NB048****B	CSPH*6012A**	PG95XA*66120D***	48,000	11.7	13.7	45,000	3.60	8.2	28,400	2.50
5514739	PH13NB048****B	CSPH*6012A**	PG96VA*60080C***	48,000	11.7	13.7	45,000	3.58	8.0	28,200	2.50
5514740	PH13NB048****B	CSPH*6012A**	PG96VA*60100C***	48,000	11.8	13.7	45,000	3.60	8.2	28,200	2.52
5514741	PH13NB048****B	CSPH*6012A**	PG96VA*66120D***	48,000	11.7	13.7	45,000	3.58	8.0	28,200	2.50
5514751	PH13NB048****B	FB4CNF060		47,500	11.5	13.5	45,000	3.60	8.0	28,600	2.50
5514754	PH13NB048****B	PF4MNA049		48,000	11.7	13.2	46,000	3.58	7.8	28,600	2.50
5514755	PH13NB048****B	PF4MNA061		48,000	12.0	13.7	45,500	3.70	8.2	28,600	2.54
5514752	PH13NB048****B	PF4MNB049		48,000	11.8	13.7	46,000	3.64	8.0	28,400	2.54
5514753	PH13NB048****B	PF4MNB061		48,000	12.0	14.0	45,000	3.74	8.2	28,400	2.58
5265520	PH13PB048****A	†FB4CNF048		47,000	11.0	13.0	45,000	3.58	8.0	28,200	2.50
5265624	PH13PB048****A	CAP**4817A**	PG8*VA048090	47,000	11.5	13.2	45,000	3.58	8.0	27,800	2.50
5265523	PH13PB048****A	CAP**4817A**	PG95XA*48080B***	46,500	11.2	13.0	45,500	3.52	7.8	28,200	2.46
5265623	PH13PB048****A	CAP**4817A**	PG96VA*48080B***	46,500	11.2	13.0	45,500	3.52	7.8	28,200	2.46
5265522	PH13PB048****A	CAP**4817A**+TDR		47,000	11.3	13.0	45,500	3.56	7.8	28,200	2.48
5265528	PH13PB048****A	CAP**4821A**	PG8*EA048090	47,000	11.5	13.5	45,000	3.58	8.0	27,800	2.52
5265529	PH13PB048****A	CAP**4821A**	PG8*EA060110	47,000	11.7	13.7	44,500	3.60	8.0	27,400	2.54
5265627	PH13PB048****A	CAP**4821A**	PG8*VA060110	46,500	11.5	13.2	44,500	3.56	7.8	27,600	2.50
5265611	PH13PB048****A	CAP**4821A**	PG95XA*60080C***	47,000	11.5	13.2	45,000	3.64	8.0	32,600	2.76
5265612	PH13PB048****A	CAP**4821A**	PG95XA*60100C***	46,500	11.5	13.5	44,500	3.64	8.0	32,600	2.78
5265625	PH13PB048****A	CAP**4821A**	PG96VA*60080C***	46,500	11.5	13.5	44,500	3.56	7.8	27,600	2.50
5265626	PH13PB048****A	CAP**4821A**	PG96VA*60100C***	46,500	11.5	13.5	44,500	3.56	7.8	27,400	2.52
5265533	PH13PB048****A	CAP**4824A**	PG8*EA060135	47,000	11.7	13.5	44,500	3.62	8.0	27,600	2.54
5265629	PH13PB048****A	CAP**4824A**	PG8*VA066135	47,000	11.7	13.7	44,500	3.60	8.0	27,400	2.54
5265531	PH13PB048****A	CAP**4824A**	PG95XA*66120D***	47,000	11.5	13.5	45,000	3.60	8.0	27,800	2.52
5265628	PH13PB048****A	CAP**4824A**	PG96VA*66120D***	47,000	11.5	13.5	44,500	3.58	8.0	27,600	2.52
5265539	PH13PB048****A	CAP**6021A**	PG8*EA048090	48,000	11.7	13.7	45,000	3.64	8.0	27,800	2.54
5265540	PH13PB048****A	CAP**6021A**	PG8*EA060110	48,000	12.0	14.0	44,500	3.68	8.0	27,600	2.58
5265632	PH13PB048****A	CAP**6021A**	PG8*VA060110	47,500	11.7	13.7	45,000	3.62	8.0	27,600	2.54
5265613	PH13PB048****A	CAP**6021A**	PG95XA*60080C***	48,000	11.7	13.7	45,000	3.70	8.0	32,200	2.80

See notes on page 16

COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
5265614	PH13PB048****A	CAP**6021A**	PG95XA*60100C***	48,000	11.7	13.7	45,000	3.70	8.0	32,200	2.82
5265630	PH13PB048****A	CAP**6021A**	PG96VA*60080C***	47,500	11.7	13.7	45,000	3.62	8.0	27,600	2.54
5265631	PH13PB048****A	CAP**6021A**	PG96VA*60100C***	48,000	11.7	13.7	45,000	3.64	8.0	27,600	2.56
5265535	PH13PB048****A	CAP**6021A**+TDR		48,000	11.3	13.2	46,000	3.62	8.0	28,800	2.50
5265545	PH13PB048****A	CAP**6024A**	PG8*EA060135	48,000	11.7	13.7	45,000	3.66	8.0	27,800	2.56
5265634	PH13PB048****A	CAP**6024A**	PG8*VA066135	48,000	12.0	14.0	44,500	3.66	8.0	27,600	2.56
5265543	PH13PB048****A	CAP**6024A**	PG95XA*66120D***	48,000	11.7	13.7	45,000	3.66	8.0	27,800	2.56
5265633	PH13PB048****A	CAP**6024A**	PG96VA*66120D***	48,000	11.7	13.7	45,000	3.64	8.0	27,800	2.54
5265542	PH13PB048****A	CAP**6024A**+TDR		48,000	11.3	13.2	46,000	3.62	8.0	28,800	2.50
5265570	PH13PB048****A	CNPH*4821A**	PG8*EA048090	47,000	11.7	13.5	45,000	3.60	8.0	27,800	2.52
5265571	PH13PB048****A	CNPH*4821A**	PG8*EA060110	47,000	11.7	13.7	44,500	3.64	8.2	27,400	2.54
5265572	PH13PB048****A	CNPH*4821A**	PG8*EA060135	47,000	11.7	13.7	44,500	3.62	8.0	27,600	2.54
5265646	PH13PB048****A	CNPH*4821A**	PG8*VA060110	47,000	11.7	13.5	44,500	3.58	8.0	27,600	2.52
5265567	PH13PB048****A	CNPH*4821A**	PG95XA*48080B***	46,500	11.2	13.0	45,000	3.50	7.8	28,000	2.46
5265617	PH13PB048****A	CNPH*4821A**	PG95XA*60080C***	47,000	11.7	13.5	45,000	3.64	8.0	32,800	2.74
5265618	PH13PB048****A	CNPH*4821A**	PG95XA*60100C***	47,000	11.7	13.5	44,500	3.64	8.0	32,600	2.76
5265569	PH13PB048****A	CNPH*4821A**	PG95XA*66120D***	47,000	11.7	13.5	45,000	3.60	8.0	27,800	2.52
5265644	PH13PB048****A	CNPH*4821A**	PG96VA*60080C***	47,000	11.7	13.5	44,500	3.58	8.0	27,600	2.52
5265645	PH13PB048****A	CNPH*4821A**	PG96VA*60100C***	47,000	11.7	13.7	44,500	3.60	8.0	27,600	2.52
5265580	PH13PB048****A	CNPH*6024A**	PG8*EA048090	48,000	11.7	13.7	45,000	3.66	8.0	27,800	2.56
5265581	PH13PB048****A	CNPH*6024A**	PG8*EA060110	48,000	12.0	14.0	44,500	3.68	8.2	27,600	2.58
5265582	PH13PB048****A	CNPH*6024A**	PG8*EA060135	48,000	12.0	13.7	45,000	3.68	8.0	27,800	2.56
5265648	PH13PB048****A	CNPH*6024A**	PG8*VA066135	48,000	12.0	14.0	44,500	3.66	8.0	27,400	2.58
5265577	PH13PB048****A	CNPH*6024A**	PG95XA*48080B***	47,500	11.3	13.2	45,500	3.54	7.8	28,200	2.48
5265579	PH13PB048****A	CNPH*6024A**	PG95XA*66120D***	48,000	11.7	13.7	45,000	3.66	8.0	27,800	2.56
5265647	PH13PB048****A	CNPH*6024A**	PG96VA*66120D***	48,000	11.7	13.7	45,000	3.64	8.0	27,800	2.56
5265576	PH13PB048****A	CNPH*6024A**+TDR		48,000	11.3	13.2	46,000	3.60	8.0	28,800	2.50
5265555	PH13PB048****A	CNPV*4821A**	PG8*EA048090	47,000	11.7	13.5	45,000	3.60	8.0	27,800	2.52
5265556	PH13PB048****A	CNPV*4821A**	PG8*EA060110	47,000	11.7	13.7	44,500	3.64	8.2	27,400	2.54
5265639	PH13PB048****A	CNPV*4821A**	PG8*VA060110	47,000	11.7	13.5	44,500	3.58	8.0	27,600	2.52
5265615	PH13PB048****A	CNPV*4821A**	PG95XA*60080C***	47,000	11.7	13.5	45,000	3.64	8.0	32,800	2.74
5265616	PH13PB048****A	CNPV*4821A**	PG95XA*60100C***	47,000	11.7	13.5	44,500	3.64	8.0	32,600	2.76
5265637	PH13PB048****A	CNPV*4821A**	PG96VA*60080C***	47,000	11.7	13.5	44,500	3.58	8.0	27,600	2.52
5265638	PH13PB048****A	CNPV*4821A**	PG96VA*60100C***	47,000	11.7	13.7	44,500	3.60	8.0	27,600	2.52
5265560	PH13PB048****A	CNPV*4824A**	PG8*EA060135	47,000	11.7	13.7	44,500	3.62	8.0	27,600	2.54
5265641	PH13PB048****A	CNPV*4824A**	PG8*VA066135	47,000	11.7	13.7	44,500	3.62	8.0	27,400	2.54
5265558	PH13PB048****A	CNPV*4824A**	PG95XA*66120D***	47,000	11.7	13.5	45,000	3.60	8.0	27,800	2.52
5265640	PH13PB048****A	CNPV*4824A**	PG96VA*66120D***	47,000	11.7	13.5	44,500	3.60	8.0	27,600	2.52
5265565	PH13PB048****A	CNPV*6024A**	PG8*EA060135	48,000	12.0	13.7	45,000	3.68	8.0	27,800	2.56
5265643	PH13PB048****A	CNPV*6024A**	PG8*VA066135	48,000	12.0	14.0	44,500	3.66	8.0	27,400	2.58
5265563	PH13PB048****A	CNPV*6024A**	PG95XA*66120D***	48,000	11.7	13.7	45,000	3.66	8.0	27,800	2.56
5265642	PH13PB048****A	CNPV*6024A**	PG96VA*66120D***	48,000	11.7	13.7	45,000	3.64	8.0	27,800	2.56
5265562	PH13PB048****A	CNPV*6024A**+TDR		48,000	11.3	13.2	46,000	3.60	8.0	28,800	2.50
5265590	PH13PB048****A	CSPH*4812A**	PG8*EA048090	47,500	11.7	13.5	45,000	3.62	8.0	27,800	2.52
5265591	PH13PB048****A	CSPH*4812A**	PG8*EA060110	47,500	11.7	13.7	44,500	3.64	8.0	27,400	2.54
5265592	PH13PB048****A	CSPH*4812A**	PG8*EA060135	47,500	11.7	13.7	44,500	3.62	8.0	27,600	2.54
5265653	PH13PB048****A	CSPH*4812A**	PG8*VA048090	47,000	11.5	13.5	45,000	3.58	8.0	27,800	2.50
5265654	PH13PB048****A	CSPH*4812A**	PG8*VA060110	47,000	11.7	13.5	45,000	3.60	8.0	27,800	2.52
5265655	PH13PB048****A	CSPH*4812A**	PG8*VA066135	47,500	11.7	13.7	44,500	3.62	8.0	27,600	2.54
5265587	PH13PB048****A	CSPH*4812A**	PG95XA*48080B***	47,000	11.3	13.0	45,000	3.52	7.8	28,200	2.46
5265619	PH13PB048****A	CSPH*4812A**	PG95XA*60080C***	47,500	11.7	13.5	45,000	3.68	8.0	32,800	2.76
5265620	PH13PB048****A	CSPH*4812A**	PG95XA*60100C***	47,500	11.7	13.7	44,500	3.68	8.0	32,600	2.78
5265589	PH13PB048****A	CSPH*4812A**	PG95XA*66120D***	47,500	11.7	13.5	45,000	3.62	8.0	27,800	2.52
5265649	PH13PB048****A	CSPH*4812A**	PG96VA*48080B***	47,000	11.3	13.0	45,000	3.52	7.8	28,200	2.46
5265650	PH13PB048****A	CSPH*4812A**	PG96VA*60080C***	47,000	11.7	13.5	44,500	3.60	8.0	27,600	2.52
5265651	PH13PB048****A	CSPH*4812A**	PG96VA*60100C***	47,000	11.7	13.7	44,500	3.60	8.0	27,600	2.52
5265652	PH13PB048****A	CSPH*4812A**	PG96VA*66120D***	47,000	11.7	13.5	44,500	3.60	8.0	27,600	2.52
5265586	PH13PB048****A	CSPH*4812A**+TDR		48,000	11.3	13.0	46,000	3.60	8.0	28,800	2.50
5265600	PH13PB048****A	CSPH*6012A**	PG8*EA048090	48,000	11.7	13.7	45,000	3.70	8.2	27,800	2.56
5265601	PH13PB048****A	CSPH*6012A**	PG8*EA060110	48,000	12.0	14.0	45,000	3.72	8.2	27,600	2.60
5265602	PH13PB048****A	CSPH*6012A**	PG8*EA060135	48,000	12.0	14.0	45,000	3.72	8.2	27,800	2.58
5265600	PH13PB048****A	CSPH*6012A**	PG8*VA048090	48,000	11.7	13.7	45,000	3.64	8.0	27,600	2.54
5265661	PH13PB048****A	CSPH*6012A**	PG8*VA060110	48,000	12.0	13.7	45,000	3.66	8.0	27,600	2.56
5265662	PH13PB048****A	CSPH*6012A**	PG8*VA066135	48,000	12.0	14.0	44,500	3.70	8.2	27,400	2.58
5265597	PH13PB048****A	CSPH*6012A**	PG95XA*48080B***	47,500	11.3	13.2	45,500	3.58	8.0	28,200	2.50
5265621	PH13PB048****A	CSPH*6012A**	PG95XA*60080C***	48,000	11.7	13.7	45,000	3.74	8.2	32,400	2.82
5265622	PH13PB048****A	CSPH*6012A**	PG95XA*60100C***	48,000	12.0	13.7	45,000	3.76	8.2	32,200	2.84
5265599	PH13PB048****A	CSPH*6012A**	PG95XA*66120D***	48,000	11.7	13.7	45,000	3.70	8.2	27,800	2.56
5265656	PH13PB048****A	CSPH*6012A**	PG96VA*48080B***	48,000	11.5	13.2	45,500	3.58	8.0	28,200	2.50

PH13NB

See notes on page 16

COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
5265657	PH13PB048****A	CSPH*6012A**	PG96VA*60080C***	48,000	11.7	13.7	45,000	3.66	8.0	27,800	2.56
5265658	PH13PB048****A	CSPH*6012A**	PG96VA*60100C***	48,000	12.0	14.0	45,000	3.68	8.2	27,600	2.56
5265659	PH13PB048****A	CSPH*6012A**	PG96VA*66120D***	48,000	11.7	13.7	45,000	3.68	8.0	27,800	2.56
5265596	PH13PB048****A	CSPH*6012A**+TDR		48,000	11.3	13.2	46,000	3.66	8.0	28,800	2.52
5265521	PH13PB048****A	FB4CNF060		47,500	11.5	13.5	45,000	3.68	8.0	28,200	2.56
5265608	PH13PB048****A	PF4MNA049		48,000	11.7	13.7	46,000	3.54	7.8	29,000	2.46
5265609	PH13PB048****A	PF4MNA060		48,000	11.2	13.0	45,500	3.68	8.2	28,200	2.56
5265610	PH13PB048****A	PF4MNA061		48,000	12.0	14.0	45,500	3.80	8.2	28,200	2.60
5265606	PH13PB048****A	PF4MNB049		48,000	12.0	14.0	46,500	3.62	8.0	29,000	2.48
5265607	PH13PB048****A	PF4MNB061		48,000	12.2	14.0	45,000	3.74	8.2	28,000	2.60
5514756	PH13NB060****B	†PF4MNB061		57,500	11.0	13.0	55,000	3.64	8.0	35,400	2.56
5514757	PH13NB060****B	PF4MNA061		57,500	10.8	13.0	55,000	3.62	8.0	35,600	2.54
5265663	PH13PB060****A	†PF4MNB061		57,500	11.0	13.0	55,000	3.66	8.0	33,600	2.48
5265664	PH13PB060****A	PF4MNA061		57,500	10.8	13.0	55,000	3.64	8.0	33,800	2.48

† Tested combination.

* Ratings are net values reflecting the effects of circulating fan heat. Supplemental electric heat is not included. Ratings are based on:

Cooling Standard: 80°F (27°C) db 67°F (19°C) wb indoor entering air temperature and 95°F (35°C) db air entering outdoor unit.

High-Temp Heating Standard: 70°F (21°C) db indoor entering air temperature and 47°F (8°C) db 43°F (6°C) wb air entering outdoor unit.

Low-Temp Heating Standard: 70°F (21°C) db indoor entering air temperature and 17°F (-8°C) db 15°F (-9°C) wb air entering outdoor unit.

COP — Coefficient of Performance

EER — Energy Efficiency Ratio

HSPF — Heating Seasonal Performance Factor

SEER — Seasonal Energy Efficiency Ratio

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

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)			
		Capacity MBtuh	Sens†	Capacity MBtuh	Sens†	Capacity MBtuh	Sens†	Capacity MBtuh	Sens†	Capacity MBtuh	Sens†		
		Total	Total Sys. KW**	Total	Total Sys. KW**	Total	Total Sys. KW**	Total	Total Sys. KW**	Total	Total Sys. KW**		
		PH13NB018 - A Outdoor Section With FB4CNF018 Indoor Section											
525	57 (13.9)	16.28	1.22	15.63	1.37	14.93	1.54	14.17	1.74	13.36	1.96		
	62 (16.7)	16.88	1.22	16.06	1.37	15.19	1.55	14.27	1.74	13.36	1.96		
	67 (19.4)	18.54	1.23	17.64	1.38	16.69	1.56	15.67	1.75	14.58	1.97		
	72 (22.2)	20.95	1.23	19.38	1.40	18.95	1.57	17.26	1.77	16.09	1.99		
	57 (13.9)	16.97	1.23	16.27	1.39	15.53	1.56	14.73	1.76	13.87	1.98		
600	62 (16.7)	17.28	1.23	16.44	1.39	15.56	1.56	14.73	1.76	13.87	1.98		
	67 (19.4)	18.93	1.24	17.99	1.40	17.00	1.57	15.95	1.77	14.82	1.99		
	72 (22.2)	20.76	1.25	19.75	1.41	18.88	1.59	17.55	1.79	16.34	2.01		
	57 (13.9)	17.55	1.25	16.82	1.40	16.03	1.58	15.19	1.77	14.29	2.00		
	62 (16.7)	17.64	1.25	16.82	1.40	16.03	1.58	15.19	1.77	14.29	2.00		
675	67 (19.4)	19.23	1.25	18.26	1.41	17.24	1.59	16.16	1.78	15.00	2.00		
	72 (22.2)	21.08	1.26	20.04	1.43	18.94	1.61	17.78	1.80	16.53	2.02		

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*FB4CNF018	1.00	1.00	
FB4CNF024	1.00	1.00	
FF1ENP019	1.03	0.99	
FF1ENP025	1.03	0.97	
PF4MNA019	1.03	0.99	
PF4MNA025	1.03	0.97	
PF4MNB019	1.03	0.95	
PF4MNB025	1.03	0.97	
CAP**2414A**	1.03	0.97	PG8*EA024045
CNPH*2417A**	1.03	0.97	PG8*EA024045
CNPV*1814A**	1.03	0.98	PG8*EA024045
CNPV*2414A**	1.03	0.97	PG8*EA024045
CSPH*2412A**	1.03	0.97	PG8*EA024045
CAP**2414A**	1.02	0.96	PG8*VA036070
CNPV*1814A**	1.02	0.97	PG8*VA036070
CNPV*2414A**	1.03	0.97	PG8*VA036070
CSPH*2412A**	1.03	0.97	PG8*VA036070
CAP**2417A**	1.03	0.97	PG8*VA048090
CNPH*2417A**	1.03	0.97	PG8*VA048090
CNPV*2417A**	1.03	0.97	PG8*VA048090
CSPH*2412A**	1.03	0.97	PG8*VA048090
CAP**2417A**	1.03	0.97	PG96VA*42060B***
CNPH*2417A**	1.03	0.97	PG96VA*42060B***
CNPV*2417A**	1.03	0.97	PG96VA*42060B***
CSPH*2412A**	1.03	0.97	PG96VA*42060B***
CAP**2417A**	1.03	0.97	PG96VA*48080B***
CNPH*2417A**	1.03	0.97	PG96VA*48080B***
CNPV*2417A**	1.03	0.97	PG96VA*48080B***
CSPH*2412A**	1.03	0.97	PG96VA*48080B***
CAP**2412A**	1.03	0.97	PG96VA*60100C***
CSPH*2412A**	1.03	0.97	PG96VA*60100C***
CSPH*2412A**	1.03	0.97	PG96VA*66120D***

See notes on pg. 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)			
		Capacity MBtuh	Total Sys. KW**	Total Sys. KW**	Capacity MBtuh	Total Sys. KW**	Total Sys. KW**	Capacity MBtuh	Total Sys. KW**	Total Sys. KW**	Capacity MBtuh	Total Sys. KW**	Total Sys. KW**	Capacity MBtuh	Total Sys. KW**	Total Sys. KW**	
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	Total	Sens†		Total	Sens†
PH13NB024-A Outdoor Section With FB4C/NF024 Indoor Section																	
700	57 (13.9)	21.35	21.35	1.64	20.55	20.55	1.84	19.67	19.67	2.07	18.70	18.70	2.32	17.62	17.62	2.60	2.60
	62 (16.7)	22.17	22.17	1.65	21.17	21.17	1.85	20.08	20.08	2.07	18.90	18.90	2.32	17.63	17.63	2.60	2.60
	67 (19.4)	24.25	24.25	1.67	23.18	23.18	1.87	22.01	22.01	2.09	19.44	19.44	2.34	18.80	18.80	2.65	2.65
	72 (22.2)	26.47	26.47	1.70	25.35	25.35	1.90	24.12	24.12	2.12	22.75	22.75	2.37	21.24	21.24	2.64	2.64
	77 (18.9)	22.20	22.20	1.66	21.35	21.35	1.87	20.42	20.42	2.09	19.40	19.40	2.34	18.27	18.27	2.62	2.62
	82 (16.7)	22.66	22.66	1.67	21.63	21.63	1.87	20.54	20.54	2.09	19.40	19.40	2.34	18.27	18.27	2.62	2.62
800	57 (19.4)	24.71	24.71	1.69	23.61	23.61	1.89	22.40	22.40	2.11	21.07	21.07	2.36	19.60	19.60	2.64	2.64
	62 (16.7)	26.95	26.95	1.73	25.79	25.79	1.93	24.52	24.52	2.15	23.11	23.11	2.39	21.54	21.54	2.67	2.67
	67 (13.9)	22.90	22.90	1.69	22.01	22.01	1.89	21.05	21.05	2.12	19.99	19.99	2.37	18.80	18.80	2.65	2.65
	72 (22.2)	23.07	23.07	1.69	22.03	22.03	1.89	21.05	21.05	2.12	19.98	19.98	2.37	18.80	18.80	2.65	2.65
	77 (19.4)	25.06	25.06	1.72	23.93	23.93	1.92	22.69	22.69	2.14	21.33	21.33	2.38	19.82	19.82	2.66	2.66
	82 (22.2)	27.32	27.32	1.76	26.13	26.13	1.96	24.82	24.82	2.18	23.38	23.38	2.42	21.77	21.77	2.69	2.69

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL
				INDOOR MODEL	INDOOR MODEL			
*FB4C/NF024	1.00	1.00		CNPH*3017A**	1.03	0.96	PG95XA*42060B***	
FB4C/NF030	1.03	0.98		CNPV*2417A**	1.03	0.98	PG95XA*42060B***	
FF1ENP025	1.03	0.98		CNPV*3017A**	1.03	0.96	PG95XA*42060B***	
FF1ENP031	1.03	1.00		CSPH*2412A**	1.03	0.96	PG95XA*42060B***	
PF4MNA025	1.03	0.98		CSPH*3012A**	1.03	0.96	PG95XA*42060B***	
PF4MNA031	1.03	0.96		CAP**2417A**	1.03	0.96	PG96VA*42060B***	
PF4MNB025	1.03	0.96		CAP**3017A**	1.02	0.97	PG96VA*42060B***	
PF4MNB031	1.03	0.98		CNPH*2417A**	1.03	0.96	PG96VA*42060B***	
CAP**2414A**	1.03	0.96	PG8*EA024045	CNPV*3017A**	1.03	0.96	PG96VA*42060B***	
CAP**3014A**	1.03	0.96	PG8*EA024045	CNPV*2417A**	1.02	0.97	PG96VA*42060B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CNPV*3017A**	1.03	0.96	PG96VA*42060B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CSPH*2412A**	1.03	0.98	PG96VA*42060B***	
PG8*EA024045	1.03	0.98	PG8*EA024045	CSPH*3012A**	1.03	0.98	PG96VA*42060B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CAP**2417A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CAP**3017A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CNPH*2417A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CNPV*2417A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CNPV*3017A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CNPV*2417A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CNPV*3017A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CSPH*2412A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CSPH*3012A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CAP**2417A**	1.03	0.96	PG96VA*60100C***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CAP**3017A**	1.03	0.96	PG96VA*60100C***	
PG8*EA024045	1.03	0.94	PG8*EA024045	CNPH*2412A**	1.03	0.96	PG96VA*66120D***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CNPH*3012A**	1.03	0.96	PG96VA*66120D***	

See notes on pg. 23

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL
				INDOOR MODEL	INDOOR MODEL			
*FB4C/NF024	1.00	1.00		CNPH*3017A**	1.03	0.96	PG95XA*42060B***	
FB4C/NF030	1.03	0.98		CNPV*2417A**	1.03	0.98	PG95XA*42060B***	
FF1ENP025	1.03	0.98		CNPV*3017A**	1.03	0.96	PG95XA*42060B***	
FF1ENP031	1.03	1.00		CSPH*2412A**	1.03	0.96	PG95XA*42060B***	
PF4MNA025	1.03	0.98		CSPH*3012A**	1.03	0.96	PG95XA*42060B***	
PF4MNA031	1.03	0.96		CAP**2417A**	1.03	0.96	PG96VA*42060B***	
PF4MNB025	1.03	0.96		CAP**3017A**	1.02	0.97	PG96VA*42060B***	
PF4MNB031	1.03	0.98		CNPH*2417A**	1.03	0.96	PG96VA*42060B***	
CAP**2414A**	1.03	0.96	PG8*EA024045	CNPV*3017A**	1.03	0.96	PG96VA*42060B***	
CAP**3014A**	1.03	0.96	PG8*EA024045	CNPV*2417A**	1.02	0.97	PG96VA*42060B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CNPV*3017A**	1.03	0.96	PG96VA*42060B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CSPH*2412A**	1.03	0.98	PG96VA*42060B***	
PG8*EA024045	1.03	0.98	PG8*EA024045	CSPH*3012A**	1.03	0.98	PG96VA*42060B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CAP**2417A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CAP**3017A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CNPH*2417A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CNPV*2417A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CNPV*3017A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CNPV*2417A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CNPV*3017A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CSPH*2412A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CSPH*3012A**	1.03	0.96	PG96VA*48080B***	
PG8*EA024045	1.03	0.94	PG8*EA024045	CAP**2417A**	1.03	0.96	PG96VA*60100C***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CAP**3017A**	1.03	0.96	PG96VA*60100C***	
PG8*EA024045	1.03	0.94	PG8*EA024045	CNPH*2412A**	1.03	0.96	PG96VA*66120D***	
PG8*EA024045	1.03	0.96	PG8*EA024045	CNPH*3012A**	1.03	0.96	PG96VA*66120D***	

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)												
		75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)				
CFM	EWB °F (°C)	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†			
PH13NB036-B Outdoor Section With FBACNF036 Indoor Section														
1050		57 (13.9)	32.52	31.30	2.83	29.99	29.99	31.4	28.56	28.56	3.50	27.00	27.00	3.92
		62 (16.7)	33.65	32.15	2.83	30.54	30.39	3.14	28.82	28.82	3.50	27.01	27.01	3.92
		67 (19.4)	36.82	26.19	2.85	33.45	25.41	3.17	31.56	24.57	3.52	29.49	23.67	3.93
		72 (22.2)	40.26	21.04	2.88	36.67	20.30	3.19	34.65	19.49	3.55	32.44	18.62	3.95
		57 (13.9)	33.76	32.48	2.87	31.10	31.10	3.19	29.59	29.59	3.54	27.95	27.95	3.96
		62 (16.7)	34.37	32.83	2.88	31.21	30.92	3.19	29.59	29.59	3.54	27.95	27.95	3.96
		67 (19.4)	37.50	28.54	2.90	34.00	27.00	3.21	32.04	26.15	3.56	29.91	25.23	3.97
		72 (22.2)	40.96	22.73	2.93	37.25	21.25	3.24	35.16	20.44	3.59	32.88	19.56	3.99
		57 (13.9)	34.80	33.45	2.92	32.01	32.01	3.23	30.44	30.44	3.59	28.73	28.73	4.00
		62 (16.7)	35.00	33.47	2.92	32.01	32.01	3.23	30.44	30.44	3.59	28.72	28.72	4.00
67 (19.4)	38.03	30.11	2.94	34.43	28.55	3.25	32.42	27.68	3.60	30.24	26.73	4.01		
72 (22.2)	41.51	23.67	2.97	37.69	22.18	3.28	35.55	21.36	3.63	33.21	20.47	4.04		

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
FBACNF042	1.02	0.97	PG8*EA048070	CAP**4221A**	1.01	0.93	PG8*VA060110	CAP**4221A**	1.02	0.93	PG8*VA060110	CAP**4221A**	1.02	0.96	PG8*VA060110
FF1ENP037	1.00	0.98	PG8*EA048090	CNPV*3621A**	1.02	0.93	PG8*VA060110	CNPV*3621A**	1.02	0.93	PG8*VA060110	CNPV*3621A**	1.04	0.97	PG8*VA060110
PF4MNA037	1.02	0.96	PG8*EA048090	CNPV*4221A**	1.01	0.95	PG8*VA060110	CNPV*4221A**	1.01	0.95	PG8*VA060110	CNPV*4221A**	1.01	0.92	PG8*VA060110
PF4MNB037	1.05	0.94	PG8*EA048070	CSPH*3612A**	1.03	0.94	PG8*VA060110	CSPH*3612A**	1.03	0.94	PG8*VA060110	CSPH*3612A**	1.01	0.93	PG8*VA060110
PF4MNB043	1.05	0.94	PG8*EA048070	CAP**4224A**	1.01	0.93	PG8*VA066135	CAP**4224A**	1.01	0.93	PG8*VA066135	CAP**4224A**	1.01	0.93	PG8*VA066135
CSPH*4212A**	1.03	0.98	PG8*EA024045	CSPH*3612A**	1.03	0.93	PG8*VA066135	CSPH*3612A**	1.03	0.93	PG8*VA066135	CSPH*3612A**	1.02	0.94	PG8*VA066135
CAP**3617A**	1.01	0.96	PG8*EA048070	CSPH*4212A**	1.03	0.94	PG8*VA066135	CSPH*4212A**	1.03	0.94	PG8*VA066135	CSPH*4212A**	1.03	0.93	PG8*VA066135
CNPV*3617A**	1.00	0.96	PG8*EA048090	CAP**3617A**	1.00	0.96	PG8*VA066135	CAP**3617A**	1.00	0.96	PG8*VA066135	CAP**3617A**	1.01	0.92	PG8*VA066135
CNPV*3617A**	1.00	0.96	PG8*EA048070	CNPV*3617A**	1.00	0.96	PG8*VA066135	CNPV*3617A**	1.00	0.96	PG8*VA066135	CNPV*3617A**	1.01	0.92	PG8*VA066135
CNPV*4217A**	1.02	0.96	PG8*EA048070	CNPV*4217A**	1.00	0.96	PG95XA*42060B***	CNPV*4217A**	1.00	0.96	PG95XA*42060B***	CNPV*4217A**	1.01	0.93	PG95XA*42060B***
CSPH*3612A**	1.02	0.96	PG8*EA048070	CNPV*4217A**	1.02	0.96	PG95XA*42060B***	CNPV*4217A**	1.02	0.96	PG95XA*42060B***	CNPV*4217A**	1.01	0.93	PG95XA*42060B***
CSPH*4212A**	1.04	0.97	PG8*EA048070	CSPH*3612A**	1.02	0.96	PG95XA*42060B***	CSPH*3612A**	1.02	0.96	PG95XA*42060B***	CSPH*3612A**	1.00	0.94	PG95XA*42060B***
CAP**3621A**	1.02	0.93	PG8*EA048090	CSPH*4212A**	1.03	0.97	PG95XA*42060B***	CSPH*4212A**	1.03	0.97	PG95XA*42060B***	CSPH*4212A**	1.02	0.94	PG95XA*42060B***
CAP**4221A**	1.02	0.94	PG8*EA048090	CAP**3617A**	1.00	0.94	PG95XA*48080B***	CAP**4221A**	1.03	0.94	PG95XA*48080B***	CAP**4221A**	1.03	0.93	PG95XA*48080B***
CNPV*4221A**	1.01	0.93	PG8*EA048090	CNPV*3617A**	1.00	0.94	PG95XA*48080B***	CNPV*4221A**	1.00	0.94	PG95XA*48080B***	CNPV*4221A**	1.02	0.93	PG95XA*48080B***
CNPV*4217A**	1.02	0.96	PG8*EA048070	CNPV*4217A**	1.00	0.94	PG95XA*48080B***	CNPV*4217A**	1.00	0.94	PG95XA*48080B***	CNPV*4217A**	1.01	0.93	PG95XA*48080B***
CSPH*3612A**	1.04	0.93	PG8*EA048090	CNPV*4217A**	1.02	0.96	PG95XA*48080B***	CSPH*3612A**	1.02	0.96	PG95XA*48080B***	CSPH*3612A**	1.01	0.93	PG95XA*48080B***
CAP**3621A**	1.02	0.93	PG8*EA048090	CSPH*4212A**	1.03	0.95	PG95XA*48080B***	CAP**3621A**	1.03	0.95	PG95XA*48080B***	CAP**3621A**	1.00	0.94	PG95XA*48080B***
CAP**4221A**	1.04	0.94	PG8*EA048090	CAP**4221A**	1.03	0.94	PG95XA*60100C***	CAP**4221A**	1.03	0.94	PG95XA*60100C***	CAP**4221A**	1.03	0.93	PG95XA*60100C***
CNPV*4221A**	1.01	0.94	PG8*EA060110	CNPV*4221A**	1.03	0.97	PG95XA*60100C***	CNPV*4221A**	1.03	0.97	PG95XA*60100C***	CNPV*4221A**	1.02	0.94	PG95XA*60100C***
CNPV*4217A**	1.02	0.94	PG8*EA060110	CNPV*4221A**	1.01	0.97	PG95XA*60100C***	CNPV*4217A**	1.03	0.97	PG95XA*60100C***	CNPV*4217A**	1.03	0.93	PG95XA*60100C***
CSPH*4212A**	1.05	0.94	PG8*EA060110	CNPV*4221A**	1.03	0.97	PG95XA*60100C***	CSPH*4212A**	1.04	0.98	PG95XA*60100C***	CSPH*4212A**	1.01	0.93	PG95XA*60100C***
CAP**3614A**	1.00	0.96	PG8*VA036070	CSPH*3612A**	1.05	0.98	PG95XA*60100C***	CAP**3614A**	1.05	0.98	PG95XA*60100C***	CAP**3614A**	1.02	0.94	PG95XA*60100C***
CSPH*3612A**	1.03	0.95	PG8*VA036070	CAP**3617A**	1.00	0.96	PG96VA*42060B***	CSPH*3612A**	1.00	0.96	PG96VA*42060B***	CSPH*3612A**	1.03	0.96	PG96VA*42060B***
CSPH*4212A**	1.02	0.94	PG8*VA036070	CNPV*3617A**	1.00	0.97	PG96VA*42060B***	CSPH*4212A**	1.00	0.97	PG96VA*42060B***	CSPH*4212A**	1.02	0.94	PG96VA*42060B***
CAP**3617A**	1.01	0.94	PG8*VA036070	CNPV*4217A**	1.02	0.97	PG96VA*42060B***	CAP**3617A**	1.02	0.97	PG96VA*42060B***	CAP**3617A**	1.03	0.95	PG96VA*42060B***
CNPV*4217A**	1.01	0.94	PG8*VA036070	CNPV*4217A**	1.00	0.97	PG96VA*42060B***	CNPV*4217A**	1.02	0.97	PG96VA*42060B***	CNPV*4217A**	1.01	0.93	PG96VA*42060B***
CSPH*3612A**	1.01	0.94	PG8*VA048090	CNPV*4217A**	1.02	0.97	PG96VA*42060B***	CSPH*3612A**	1.02	0.97	PG96VA*42060B***	CSPH*3612A**	1.03	0.96	PG96VA*42060B***
CNPV*3617A**	1.00	0.94	PG8*VA048090	CSPH*3612A**	1.03	0.96	PG96VA*42060B***	CNPV*3617A**	1.03	0.96	PG96VA*42060B***	CNPV*3617A**	1.01	0.93	PG96VA*42060B***
CNPV*4217A**	1.02	0.94	PG8*VA048090	CAP**3617A**	1.00	0.95	PG96VA*48080B***	CNPV*4217A**	1.00	0.95	PG96VA*48080B***	CNPV*4217A**	1.00	0.96	PG96VA*48080B***
CSPH*3612A**	1.02	0.94	PG8*VA048090	CNPV*3617A**	1.00	0.96	PG96VA*48080B***	CSPH*3612A**	1.03	0.96	PG96VA*48080B***	CSPH*3612A**	1.00	0.96	PG96VA*48080B***
CSPH*4212A**	1.03	0.93	PG8*VA048090	CNPV*4217A**	1.00	0.96	PG96VA*48080B***	CSPH*4212A**	1.00	0.96	PG96VA*48080B***	CSPH*4212A**	1.01	0.93	PG96VA*48080B***

See notes on pg. 23

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)														
		75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)						
CFM	EWB °F (°C)	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†				
1400	57 (13.9)	43.34	43.34	3.32	41.63	41.63	3.72	39.85	39.85	4.14	37.99	37.99	4.60	35.98	35.98	5.13
	62 (16.7)	44.87	41.72	3.32	40.63	40.63	3.73	40.55	39.51	4.15	38.30	38.30	4.61	35.98	35.98	5.13
	67 (19.4)	49.06	34.99	3.33	39.95	37.95	3.75	44.31	32.90	4.18	41.81	31.82	4.65	39.14	30.68	5.17
	72 (22.2)	53.58	28.21	3.32	27.19	27.19	3.76	48.41	26.16	4.21	45.69	25.10	4.69	42.80	23.99	5.21
	77 (25.0)	58.06	21.44	3.32	24.44	24.44	3.79	52.91	24.10	4.21	43.32	23.04	4.68	40.49	21.87	5.21
	82 (27.8)	62.54	14.67	3.32	21.69	21.69	3.79	57.16	21.85	4.21	39.32	20.98	4.68	37.19	19.74	5.21
1600	57 (13.9)	45.80	44.60	3.38	43.42	43.42	3.79	41.40	41.17	4.21	39.32	39.32	4.68	37.19	37.19	5.21
	62 (16.7)	49.95	37.13	3.38	36.07	36.07	3.81	45.00	35.00	4.25	42.40	42.40	4.71	39.64	32.73	5.23
	67 (19.4)	54.51	29.49	3.37	28.46	28.46	3.82	49.14	27.41	4.27	46.31	26.34	4.75	43.31	25.21	5.27
	72 (22.2)	58.61	22.71	3.44	25.96	25.96	3.85	52.49	24.90	4.28	49.41	23.81	4.75	46.01	22.09	5.28
	77 (25.0)	62.17	16.02	3.44	23.41	23.41	3.85	55.04	22.40	4.28	46.41	22.81	4.75	43.71	20.39	5.28
	82 (27.8)	65.22	9.27	3.43	20.86	20.86	3.88	57.59	20.86	4.34	43.86	20.86	4.82	40.86	18.69	5.34
1800	57 (13.9)	46.41	46.41	3.44	44.48	44.48	3.85	42.50	42.50	4.28	40.41	40.41	4.75	38.18	38.18	5.28
	62 (16.7)	48.62	47.13	3.44	44.48	44.48	3.85	42.49	42.49	4.28	40.41	40.41	4.75	38.17	38.17	5.28
	67 (19.4)	50.61	39.17	3.44	48.08	48.08	3.87	45.50	37.00	4.31	42.82	35.87	4.78	39.99	34.68	5.30
	72 (22.2)	52.46	30.70	3.43	45.46	45.46	3.88	49.68	28.60	4.34	46.76	27.51	4.82	43.68	26.37	5.34
	77 (25.0)	55.20	23.95	3.43	42.91	42.91	3.88	52.16	26.60	4.34	44.26	25.41	4.82	41.26	24.11	5.34
	82 (27.8)	57.95	17.20	3.43	40.36	40.36	3.88	54.71	24.10	4.34	41.81	24.10	4.82	38.76	22.36	5.34

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*FB4CNF048	1.00	1.00	PG8*VA066135	CNPV*6024A**	1.02	0.94	PG8*VA066135
FB4CNF060	1.01	0.97	PG8*EA048090	CSPH*4812A**	1.01	0.95	PG8*VA066135
PF4MNA049	1.02	0.96	PG8*EA048090	CSPH*6012A**	1.02	0.94	PG8*VA066135
PF4MNA061	1.02	0.94	PG8*EA048090	CAP**4821A**	1.00	0.96	PG95XA*60080C***
PF4MNB049	1.02	0.95	PG8*EA048090	CAP**6021A**	1.02	0.96	PG95XA*60080C***
PF4MNB061	1.02	0.94	PG8*EA048090	CNPV*4821A**	1.00	0.96	PG95XA*60080C***
CAP**4821A**	1.00	0.96	PG8*EA048090	CNPV*4821A**	1.00	0.96	PG95XA*60080C***
CAP**6021A**	1.02	0.96	PG8*EA048090	CSPH*4812A**	1.01	0.97	PG95XA*60080C***
CNPV*4821A**	1.00	0.96	PG8*EA048090	CSPH*6012A**	1.02	0.96	PG95XA*60080C***
CNPV*4821A**	1.00	0.96	PG8*EA048090	CAP**4821A**	0.99	0.95	PG95XA*60100C***
CSPH*4812A**	1.01	0.95	PG8*EA048090	CAP**6021A**	1.02	0.96	PG95XA*60100C***
CSPH*6012A**	1.02	0.96	PG8*EA048090	CNPV*4821A**	1.00	0.94	PG95XA*60100C***
CAP**4824A**	1.00	0.94	PG8*EA060110	CNPV*4821A**	1.00	0.94	PG95XA*60100C***
CAP**6024A**	1.02	0.96	PG8*EA060110	CSPH*4812A**	1.01	0.95	PG95XA*60100C***
CNPV*4824A**	1.00	0.94	PG8*EA060110	CSPH*6012A**	1.02	0.95	PG95XA*60100C***
CNPV*4824A**	1.00	0.94	PG8*EA060110	CAP**4824A**	1.00	0.96	PG95XA*66120D***
CSPH*6012A**	1.02	0.94	PG8*EA060110	CAP**6024A**	1.02	0.96	PG95XA*66120D***
CAP**4824A**	1.00	0.94	PG8*EA060135	CNPV*6024A**	1.00	0.96	PG95XA*66120D***
CAP**6024A**	1.02	0.96	PG8*EA060135	CNPV*6024A**	1.02	0.96	PG95XA*66120D***
CNPV*6024A**	1.00	0.94	PG8*EA060135	CSPH*4812A**	1.01	0.97	PG95XA*66120D***
CNPV*6024A**	1.00	0.94	PG8*EA060135	CSPH*6012A**	1.02	0.96	PG95XA*66120D***
CNPV*6024A**	1.02	0.95	PG8*EA060135	CAP**4821A**	0.99	0.95	PG95XA*66120D***
CNPV*6024A**	1.02	0.95	PG8*EA060135	CAP**6021A**	1.02	0.96	PG95XA*66120D***
CSPH*6012A**	1.01	0.95	PG8*EA060135	CNPV*4821A**	1.00	0.96	PG95XA*66120D***
CSPH*4812A**	1.02	0.96	PG8*EA060135	CNPV*4821A**	1.00	0.96	PG95XA*66120D***
CAP**4817A**	1.00	0.96	PG8*VA048090	CNPV*4821A**	1.00	0.96	PG95XA*66120D***
CSPH*4812A**	1.00	0.96	PG8*VA048090	CSPH*4812A**	1.00	0.94	PG95XA*66120D***
CSPH*6012A**	1.02	0.96	PG8*VA048090	CSPH*4812A**	1.02	0.96	PG95XA*66120D***
CAP**4821A**	0.99	0.95	PG8*VA060110	CAP**4821A**	0.99	0.95	PG95XA*66120D***
CAP**6021A**	1.01	0.95	PG8*VA060110	CAP**6021A**	1.02	0.96	PG95XA*66120D***
CNPV*4821A**	1.00	0.94	PG8*VA060110	CNPV*4821A**	1.00	0.94	PG95XA*66120D***
CNPV*4821A**	1.00	0.94	PG8*VA060110	CNPV*4821A**	1.00	0.94	PG95XA*66120D***
CSPH*4812A**	1.00	0.96	PG8*VA060110	CSPH*4812A**	1.00	0.94	PG95XA*66120D***
CSPH*6012A**	1.02	0.96	PG8*VA060110	CSPH*6012A**	1.02	0.96	PG95XA*66120D***
CAP**4824A**	1.00	0.95	PG8*VA066135	CAP**4824A**	1.02	0.96	PG95XA*66120D***
CNPV*4824A**	1.02	0.96	PG8*VA066135	CNPV*6024A**	1.02	0.96	PG95XA*66120D***
CNPV*4824A**	1.00	0.94	PG8*VA066135	CNPV*4824A**	1.00	0.96	PG95XA*66120D***

See notes on pg. 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)		
		Capacity MBtuh Total†	Sens†	Total Sys. KW**	Capacity MBtuh Total†	Sens†	Total Sys. KW**	Capacity MBtuh Total†	Sens†	Total Sys. KW**	Capacity MBtuh Total†	Sens†	Total Sys. KW**	Capacity MBtuh Total†	Sens†	Total Sys. KW**
PH13NB060 – B Outdoor Section With PF4MNB061 Indoor Section																
1750	57 (13.9)	55.54	55.54	4.16	53.48	53.48	4.59	51.28	51.28	5.08	48.90	48.90	5.65	46.29	46.29	6.29
	62 (16.7)	57.44	57.44	4.18	54.88	54.88	4.61	52.18	52.18	5.10	49.30	49.30	5.65	46.30	46.30	6.29
	67 (19.4)	62.76	62.76	4.26	59.97	42.89	4.69	57.00	41.60	5.18	53.81	40.23	5.74	50.35	38.77	6.37
2000	72 (22.2)	68.52	68.52	4.35	65.52	34.33	4.79	62.31	33.07	5.28	58.87	31.74	5.84	55.14	30.30	6.47
	57 (13.9)	57.66	57.66	4.26	55.47	55.47	4.70	53.13	53.13	5.19	50.59	50.59	5.76	47.81	47.81	6.40
	62 (16.7)	58.62	58.62	4.28	56.27	56.27	4.71	53.27	52.93	5.19	50.59	50.59	5.76	47.81	47.81	6.40
2250	67 (19.4)	63.88	63.88	4.35	46.77	60.98	4.79	57.88	44.22	5.27	54.57	42.83	5.83	50.98	41.32	6.46
	72 (22.2)	69.71	69.71	4.44	66.59	35.89	4.88	63.26	34.61	5.37	59.70	33.24	5.93	55.84	31.77	6.56
	57 (13.9)	59.42	59.42	4.37	57.10	57.10	4.80	54.63	54.63	5.30	51.97	51.97	5.86	49.05	49.05	6.50
2250	62 (16.7)	59.64	59.64	4.37	57.10	57.10	4.80	54.63	54.63	5.30	51.96	51.96	5.86	49.04	49.04	6.50
	67 (19.4)	64.70	64.70	4.44	48.04	61.71	4.88	58.52	46.71	5.36	55.12	45.28	5.92	51.44	43.74	6.55
	72 (22.2)	70.61	70.61	4.54	37.35	67.39	4.97	63.96	36.04	5.46	60.30	34.65	6.02	56.34	33.14	6.65

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*PF4MNB061	1.00	1.00	
PF4MNA061	1.00	1.02	

* Detailed cooling capacities are based on indoor and outdoor unit at the same elevation, per AHRI Standard 210/240-94, and connected by 25 ft of tubing. If other than 25 ft of tubing is used and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

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

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

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

** Unit kW is total of indoor and outdoor unit kilowatts.

HEAT PUMP HEATING PERFORMANCE

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)																
EDB ° F (° C)	CFM	-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	
		Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	
65 (18.3)	525	5.98	5.50	1.06	7.95	7.31	10.05	9.16	11.16	12.36	10.97	12.2	14.69	13.36	1.28	16.61	18.39	1.39
	600	6.06	5.57	1.06	8.05	7.40	10.16	9.27	1.15	12.52	11.12	1.20	14.71	13.39	1.25	16.49	18.04	1.33
	675	6.13	5.84	1.06	8.14	7.48	10.26	9.36	1.15	12.66	11.24	1.19	14.70	13.37	1.23	16.30	17.61	1.30
70 (21.1)	525	5.77	5.31	1.11	7.75	7.12	9.83	8.97	1.22	12.09	10.74	1.28	14.52	13.21	1.35	16.46	18.29	1.46
	600	5.86	5.39	1.11	7.85	7.22	9.96	9.08	1.21	12.26	10.89	1.26	14.57	13.26	1.32	16.40	18.07	1.41
	675	5.93	5.46	1.11	7.91	7.27	10.06	9.17	1.20	12.40	11.01	1.25	14.58	13.27	1.29	16.26	17.70	1.37
75 (23.9)	525	5.54	5.09	1.16	7.53	6.92	9.60	8.75	1.28	11.82	10.50	1.34	14.26	12.98	1.42	16.28	18.14	1.54
	600	5.62	5.17	1.16	7.64	7.02	9.73	8.87	1.27	11.99	10.65	1.32	14.39	13.10	1.39	16.27	17.97	1.49
	675	5.70	5.25	1.16	7.73	7.10	9.84	8.97	1.26	12.13	10.77	1.31	14.47	13.17	1.36	16.20	17.72	1.45

PH13NB018 - A Outdoor Section With FB4CNC018 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*FB4CNC018	1.00	1.00	
FB4CNC024	1.00	1.00	
FF1ENP019	1.00	1.01	
FF1ENP025	0.97	0.96	
PF4MNA019	1.00	1.00	
PF4MNA025	0.97	0.97	
PF4MNB019	0.96	0.95	
PF4MNB025	0.96	0.95	
CAP**2414A**	0.98	0.97	PG8*EA024045
CNPV*1814A**	0.99	0.97	PG8*EA024045
CNPV*2414A**	1.00	1.00	PG8*EA024045
CSPH*2414A**	0.99	0.97	PG8*EA024045
CNPV*1814A**	0.98	1.00	PG8*VA036070
CNPV*2414A**	0.99	1.01	PG8*VA036070
CSPH*2414A**	0.97	0.99	PG8*VA036070
CAP**2417A**	0.99	0.99	PG8*VA048090
CNPV*2417A**	0.99	0.99	PG8*VA048090
CSPH*2417A**	0.99	0.99	PG8*VA048090
CAP**2412A**	0.98	0.97	PG96VA*42060B***
CNPV*1814A**	0.98	0.97	PG96VA*42060B***
CNPV*2417A**	0.99	0.98	PG96VA*42060B***
CSPH*2412A**	0.97	0.99	PG96VA*42060B***
CAP**2417A**	0.98	0.96	PG96VA*48080B***
CNPV*2417A**	0.99	0.97	PG96VA*48080B***
CSPH*2417A**	0.97	0.97	PG96VA*48080B***
CAP**2412A**	0.96	0.95	PG96VA*60080C***
CNPV*2412A**	0.96	0.95	PG96VA*60100C***
CSPH*2412A**	0.96	0.95	PG96VA*66120D***

See notes on pg. 30

HEAT PUMP HEATING PERFORMANCE

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)																					
EDB ° F (° C)	CFM	-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. KWh	Capacity MBtuh	Total Sys. KWh	Capacity MBtuh	Total Sys. KWh	Capacity MBtuh	Total Sys. KWh	Capacity MBtuh	Total Sys. KWh	Capacity MBtuh	Total Sys. KWh	Capacity MBtuh	Total Sys. KWh	Capacity MBtuh	Total Sys. KWh						
65 (18.3)	700	8.24	7.58	1.40	10.68	9.81	1.48	13.21	12.04	1.55	15.86	14.08	1.61	18.69	17.01	1.67	21.18	23.49	23.49	1.71	25.56	25.56	1.84
	800	8.38	7.71	1.40	10.83	9.96	1.48	13.39	12.20	1.54	16.05	14.26	1.59	18.87	17.17	1.63	21.20	23.29	23.29	1.67	25.20	25.20	1.76
	900	8.50	7.82	1.41	10.97	10.08	1.48	13.54	12.34	1.53	16.21	14.40	1.58	18.98	17.27	1.61	21.17	21.17	21.17	1.64	24.76	24.76	1.72
70 (21.1)	700	7.89	7.26	1.46	10.35	9.51	1.55	12.89	11.75	1.62	15.59	13.84	1.67	18.38	16.72	1.76	20.94	20.94	20.94	1.80	25.34	25.34	1.93
	800	8.03	7.39	1.46	10.51	9.66	1.55	13.07	11.92	1.61	15.79	14.02	1.67	18.58	16.91	1.72	21.00	21.00	21.00	1.76	25.08	25.08	1.86
	900	8.15	7.50	1.47	10.65	9.78	1.55	13.23	12.06	1.60	15.94	14.15	1.65	18.73	17.05	1.70	21.02	21.02	21.02	1.73	24.74	24.74	1.81
75 (23.9)	700	7.49	6.89	1.53	10.00	9.19	1.62	12.55	11.44	1.70	15.26	13.55	1.77	18.07	16.44	1.85	20.67	20.67	20.67	1.90	25.08	25.08	2.04
	800	7.64	7.03	1.53	10.16	9.34	1.62	12.74	11.61	1.69	15.47	13.74	1.75	18.29	16.64	1.81	20.78	20.78	20.78	1.85	24.90	24.90	1.96
	900	7.77	7.15	1.54	10.30	9.46	1.62	12.90	11.76	1.68	15.65	13.90	1.74	18.45	16.79	1.79	20.83	20.83	20.83	1.82	24.65	24.65	1.91

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL
				Capacity MBtuh	Total Sys. KWh			
*FB4CNF024	1.00	1.00		CSPH*2412A**	0.99	0.99	PG95XA*42060B***	
FB4CNF030	1.00	0.96		CSPH*3012A**	1.00	0.97	PG95XA*42060B***	
FF1ENP025	1.01	0.99		CAP**2417A**	0.99	0.99	PG96VA*42060B***	
FF1ENP031	1.01	0.98		CAP**3017A**	1.00	0.97	PG98VA*42060B***	
PF4MNA025	1.01	0.99		CNPH*2417A**	0.99	0.99	PG96VA*42060B***	
PF4MNA031	1.01	0.96		CNPH*3017A**	1.00	0.97	PG96VA*42060B***	
PF4MNB025	1.01	0.96		CNPV*2417A**	0.99	0.99	PG96VA*42060B***	
PF4MNB031	1.01	0.96		CNPV*3017A**	1.00	0.97	PG96VA*42060B***	
CAP**2414A**	1.00	0.98	PG8*EA024045	CSPH*2412A**	0.99	0.99	PG96VA*42060B***	
CAP**3014A**	1.00	0.97	PG8*EA024045	CSPH*3012A**	1.00	0.97	PG96VA*42060B***	
CNPH*2417A**	1.00	0.98	PG8*EA024045	CAP**2417A**	0.99	0.97	PG98VA*48080B***	
CNPH*3017A**	1.00	0.96	PG8*EA024045	CAP**3017A**	1.00	0.96	PG96VA*48080B***	
CNPV*2414A**	1.00	0.98	PG8*EA024045	CNPH*2417A**	0.99	0.97	PG96VA*48080B***	
CNPV*3014A**	1.00	0.97	PG8*EA024045	CNPH*3017A**	1.00	0.96	PG96VA*48080B***	
CSPH*2412A**	1.00	0.98	PG8*EA024045	CNPV*2417A**	0.99	0.99	PG96VA*48080B***	
CSPH*3012A**	1.00	0.96	PG8*EA024045	CNPV*3017A**	1.00	0.97	PG96VA*48080B***	
CAP**2414A**	0.99	0.99	PG8*VA036070	CNPV*2412A**	0.99	0.99	PG96VA*60100C***	
CAP**3014A**	0.99	0.97	PG8*VA036070	CNPV*3012A**	1.00	0.96	PG96VA*60100C***	
CNPV*2414A**	0.99	0.97	PG8*VA036070	CSPH*2412A**	0.99	0.99	PG96VA*66120D***	
CNPV*3014A**	1.00	0.97	PG8*VA036070	CSPH*3012A**	1.00	0.96	PG96VA*66120D***	
CSPH*2412A**	1.00	0.98	PG8*VA048090	CSPH*2412A**	0.99	0.99	PG96VA*66120D***	
CSPH*3012A**	1.00	0.97	PG8*VA048090	CSPH*3012A**	1.00	0.95	PG96VA*66120D***	
CAP**2417A**	0.99	0.97	PG8*VA048090	CSPH*2412A**	0.99	0.99	PG96VA*66120D***	
CAP**3017A**	0.99	0.96	PG8*VA048090	CSPH*3012A**	1.00	0.96	PG96VA*66120D***	
CNPH*2417A**	0.99	0.96	PG8*VA048090	CSPH*2412A**	0.99	0.99	PG96VA*66120D***	
CNPH*3017A**	0.99	0.96	PG8*VA048090	CSPH*3012A**	1.00	0.96	PG96VA*66120D***	
CNPV*2417A**	0.99	0.96	PG8*VA048090	CSPH*2412A**	0.99	0.99	PG96VA*66120D***	
CNPV*3017A**	1.00	0.97	PG8*VA048090	CSPH*3012A**	1.00	0.95	PG96VA*66120D***	
CSPH*2412A**	1.00	0.97	PG8*VA048090	CSPH*2412A**	0.99	0.99	PG96VA*66120D***	
CSPH*3012A**	1.00	0.96	PG8*VA060110	CSPH*3012A**	1.00	0.96	PG96VA*66120D***	
CAP**2417A**	1.00	0.96	PG8*VA060110	CSPH*2412A**	0.99	0.99	PG96VA*66120D***	
CAP**3017A**	1.00	0.96	PG8*VA060110	CSPH*3012A**	1.00	0.95	PG96VA*66120D***	
CNPH*2412A**	1.00	0.98	PG8*VA066135	CSPH*2412A**	0.99	0.99	PG96VA*66120D***	
CNPH*3012A**	1.00	0.96	PG8*VA066135	CSPH*3012A**	1.00	0.95	PG96VA*66120D***	
CAP**2417A**	0.99	0.98	PG95XA*42060B***	CAP**2417A**	0.99	0.99	PG95XA*42060B***	
CAP**3017A**	1.00	0.97	PG95XA*42060B***	CAP**3017A**	1.00	0.97	PG95XA*42060B***	
CNPH*2417A**	0.99	0.98	PG95XA*42060B***	CNPH*2417A**	1.00	0.98	PG95XA*42060B***	
CNPH*3017A**	1.00	0.97	PG95XA*42060B***	CNPH*3017A**	1.00	0.97	PG95XA*42060B***	
CNPV*2417A**	0.99	0.98	PG95XA*42060B***	CNPV*2417A**	0.99	0.98	PG95XA*42060B***	
CNPV*3017A**	1.00	0.97	PG95XA*42060B***	CNPV*3017A**	1.00	0.97	PG95XA*42060B***	

See notes on pg. 30



HEAT PUMP HEATING PERFORMANCE

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)																						
EDB ° F (° C)	CFM	-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							
65 (18.3)	875	12.30	11.32	1.78	13.96	1.86	18.26	16.65	1.95	21.59	19.18	2.04	24.67	22.45	2.10	27.32	27.32	2.18	29.97	29.97	2.25	32.24	32.24	2.32
	1000	12.46	11.47	1.78	15.38	1.86	18.46	16.83	1.93	21.78	19.34	2.01	24.68	22.46	2.07	27.21	27.21	2.13	29.50	29.50	2.18	31.49	31.49	2.23
	1125	12.61	11.60	1.79	15.53	1.86	18.63	16.99	1.93	21.91	19.46	1.99	24.66	22.44	2.04	26.95	26.95	2.09	28.98	28.98	2.14	30.71	30.71	2.17
70 (21.1)	875	12.00	11.04	1.86	14.89	1.95	17.99	16.41	2.04	21.29	18.81	2.14	24.43	22.23	2.21	27.10	27.10	2.29	29.79	29.79	2.37	32.05	32.05	2.44
	1000	12.17	11.19	1.86	15.08	1.95	18.20	16.60	2.03	21.49	19.08	2.11	24.49	22.29	2.17	27.00	27.00	2.24	29.44	29.44	2.30	31.47	31.47	2.35
	1125	12.31	11.33	1.87	15.24	1.95	18.37	16.75	2.02	21.66	19.23	2.09	24.51	22.31	2.15	26.90	26.90	2.20	29.02	29.02	2.25	30.82	30.82	2.29
75 (23.9)	875	11.66	10.73	1.95	14.58	2.05	17.68	16.12	2.14	20.95	18.61	2.25	24.16	21.99	2.32	26.89	26.89	2.41	29.58	29.58	2.50	31.85	31.85	2.57
	1000	11.83	10.89	1.95	14.77	2.05	17.89	16.31	2.13	21.19	18.82	2.22	24.27	22.09	2.28	26.81	26.81	2.35	29.31	29.31	2.42	31.39	31.39	2.48
	1125	11.99	11.03	1.96	14.93	2.04	18.08	16.48	2.12	21.36	18.97	2.20	24.33	22.14	2.25	26.71	26.71	2.31	28.99	28.99	2.37	30.85	30.85	2.42

PH13NB030-A Outdoor Section With FB4CNF030 Indoor Section

HEATING INDOOR MODEL		CAPACITY		POWER		FURNACE MODEL	
INDOOR MODEL	HEATING INDOOR MODEL	Capacity MBtuh	Total Sys. KWt	Capacity MBtuh	Total Sys. KWt	Capacity MBtuh	Total Sys. KWt
*FB4CNF030	CAP**3017A**	1.00	1.00	1.04	1.05	PG95XA*42060B***	PG95XA*42060B***
FB4CNF036	CAP**3617A**	1.00	1.00	1.04	1.04	PG95XA*42060B***	PG95XA*42060B***
FF1ENP031	CNP**3017A**	1.04	1.05	1.04	1.05	PG95XA*42060B***	PG95XA*42060B***
FF1ENP037	CNP**3617A**	1.05	1.04	1.04	1.05	PG95XA*42060B***	PG95XA*42060B***
PF4MNA031	CNPV*3017A**	1.05	1.04	1.04	1.05	PG95XA*42060B***	PG95XA*42060B***
PF4MNA037	CNPV*3617A**	1.05	1.04	1.04	1.05	PG95XA*42060B***	PG95XA*42060B***
PF4MNB031	CSPH*3012A**	1.05	1.02	1.04	1.01	PG95XA*42060B***	PG95XA*42060B***
PF4MNB037	CSPH*3612A**	1.03	0.98	1.04	1.01	PG95XA*42060B***	PG95XA*42060B***
CAP**3017A**	CAP**3017A**	1.03	1.05	1.04	1.04	PG95XA*48080B***	PG95XA*48080B***
CAP**3617A**	CAP**3617A**	1.04	1.04	1.05	1.04	PG95XA*48080B***	PG95XA*48080B***
CNP**3017A**	CNP**3017A**	1.04	1.05	1.04	1.04	PG95XA*48080B***	PG95XA*48080B***
CNP**3617A**	CNP**3617A**	1.04	1.05	1.04	1.04	PG95XA*48080B***	PG95XA*48080B***
CNPV*3017A**	CNPV*3017A**	1.04	1.05	1.04	1.04	PG95XA*48080B***	PG95XA*48080B***
CNPV*3617A**	CNPV*3617A**	1.04	1.05	1.04	1.04	PG95XA*48080B***	PG95XA*48080B***
CSPH*3012A**	CSPH*3012A**	1.04	1.04	1.05	1.03	PG95XA*48080B***	PG95XA*48080B***
CSPH*3612A**	CSPH*3612A**	1.04	1.01	1.04	1.00	PG95XA*48080B***	PG95XA*48080B***
CAP**3621A**	CAP**3017A**	1.04	1.02	1.03	1.06	PG96VA*42060B***	PG96VA*42060B***
CNP**3017A**	CAP**3617A**	1.03	1.04	1.03	1.05	PG96VA*42060B***	PG96VA*42060B***
CNP**3617A**	CNP**3017A**	1.03	1.04	1.03	1.05	PG96VA*42060B***	PG96VA*42060B***
CNPV*3017A**	CSPH*3612A**	1.03	1.04	1.03	1.02	PG96VA*42060B***	PG96VA*42060B***
CNPV*3617A**	CAP**3017A**	1.03	1.04	1.03	1.05	PG96VA*42060B***	PG96VA*42060B***
CSPH*3012A**	CAP**3617A**	1.03	1.04	1.03	1.04	PG96VA*48080B***	PG96VA*48080B***
CSPH*3612A**	CNP**3017A**	1.03	1.04	1.03	1.05	PG96VA*48080B***	PG96VA*48080B***
CAP**3614A**	CNP**3617A**	1.03	1.03	1.03	1.05	PG96VA*48080B***	PG96VA*48080B***
CNP**3017A**	CNP**3617A**	1.03	1.03	1.03	1.05	PG96VA*48080B***	PG96VA*48080B***
CNP**3617A**	CNPV*3017A**	1.03	1.03	1.03	1.05	PG96VA*48080B***	PG96VA*48080B***
CNPV*3017A**	CNPV*3617A**	1.03	1.03	1.03	1.05	PG96VA*48080B***	PG96VA*48080B***
CSPH*3012A**	CSPH*3012A**	1.03	1.03	1.03	1.03	PG96VA*48080B***	PG96VA*48080B***
CSPH*3612A**	CAP**3621A**	1.03	1.04	1.02	1.04	PG96VA*60100C***	PG96VA*60100C***
CAP**3621A**	CNPV*3012A**	1.03	1.04	1.03	1.04	PG96VA*60100C***	PG96VA*60100C***
CNPV*3012A**	CNPV*3612A**	1.03	1.04	1.03	1.04	PG96VA*60100C***	PG96VA*60100C***
CNPV*3612A**	CSPH*3012A**	1.03	1.02	1.03	1.01	PG96VA*60100C***	PG96VA*60100C***
CSPH*3012A**	CSPH*3612A**	1.03	1.02	1.03	1.01	PG96VA*60100C***	PG96VA*60100C***
CSPH*3612A**	CSPH*3012A**	1.03	1.02	1.03	1.01	PG96VA*60100C***	PG96VA*60100C***
CSPH*3612A**	CSPH*3612A**	1.03	1.02	1.03	1.01	PG96VA*60100C***	PG96VA*60100C***

See notes on pg. 30

HEAT PUMP HEATING PERFORMANCE

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)																							
EDB ° F (° C)	CFM	-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								
		Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*								
65 (18.3)	1050	13.10	12.05	2.16	16.57	15.23	2.25	20.30	18.51	2.35	24.33	21.61	2.45	28.66	26.08	2.57	33.16	33.16	2.69	37.42	37.42	2.81	41.70	41.70	2.94
	1200	13.34	12.27	2.17	16.84	15.47	2.25	20.60	18.78	2.34	24.67	21.91	2.43	29.03	26.42	2.54	33.45	33.45	2.64	37.56	37.56	2.74	41.70	41.70	2.85
	1350	13.55	12.46	2.19	17.07	15.68	2.26	20.85	19.01	2.34	24.95	22.16	2.43	29.32	26.68	2.52	33.63	33.63	2.62	37.60	37.60	2.69	41.55	41.55	2.79
70 (21.1)	1050	12.54	11.53	2.26	16.04	14.74	2.36	19.80	18.05	2.46	23.84	21.18	2.56	28.17	25.64	2.69	32.68	32.68	2.82	36.93	36.93	2.94	41.14	41.14	3.08
	1200	12.78	11.75	2.27	16.31	14.99	2.36	21.42	19.53	2.14	24.19	21.48	2.55	28.56	25.99	2.66	33.00	33.00	2.76	37.11	37.11	2.87	41.23	41.23	2.99
	1350	12.99	11.95	2.29	16.55	15.21	2.37	20.36	18.57	2.45	24.48	21.74	2.54	28.88	26.28	2.64	33.22	33.22	2.73	37.19	37.19	2.82	41.17	41.17	2.93
75 (23.9)	1050	11.91	10.96	2.37	15.48	14.22	2.47	19.26	17.56	2.57	23.32	20.71	2.69	27.67	25.18	2.82	32.27	32.27	2.96	36.54	36.54	3.08	40.57	40.57	3.23
	1200	12.15	11.18	2.38	15.75	14.48	2.47	19.59	17.86	2.56	23.68	21.03	2.66	28.07	25.54	2.79	32.52	32.52	2.90	36.68	36.68	3.01	40.72	40.72	3.13
	1350	12.37	11.38	2.40	15.99	14.70	2.48	19.84	18.09	2.56	23.98	21.29	2.66	28.39	25.84	2.77	32.79	32.79	2.86	36.75	36.75	2.96	40.73	40.73	3.07

PH13NB036-B Outdoor Section With F84CNF036 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*FB4CNF036	1.00	1.00	PG8*EA060110	CAP**4221A**	0.98	0.95	PG8*VA060110	CAP**4221A**	0.98	0.95	PG8*VA060110	CSPH*4212A**	0.98	0.95	PG8*VA060110	CSPH*4212A**	1.00	0.96	PG96VA*48080B***
FB4CNF042	1.00	0.93	PG8*EA024045	CNPV*3621A**	0.99	0.96	PG8*VA060110	CNPV*3621A**	0.99	0.96	PG8*VA060110	CNPV*3617A**	0.99	0.95	PG8*VA060110	CNPV*3617A**	0.99	0.95	PG96VA*60100C***
FFIENP037	0.98	0.99	PG8*EA048070	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*4221A**	0.99	0.95	PG8*VA060110	CNPV*4221A**	0.99	0.95	PG96VA*60100C***
PF4MNA037	1.00	0.97	PG8*EA048070	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*4221A**	0.99	0.95	PG8*VA060110	CNPV*4221A**	0.99	0.95	PG96VA*60100C***
PF4MNA043	1.00	0.96	PG8*EA048070	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*4221A**	0.99	0.95	PG8*VA060110	CNPV*4221A**	0.99	0.95	PG96VA*60100C***
PF4MNB037	1.00	0.93	PG8*EA048070	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*4221A**	0.99	0.95	PG8*VA060110	CNPV*4221A**	0.99	0.95	PG96VA*60100C***
PF4MNB043	1.00	0.93	PG8*EA024045	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*4221A**	0.99	0.95	PG8*VA060110	CNPV*4221A**	0.99	0.95	PG96VA*60100C***
CSPH*3612A**	1.01	0.99	PG8*EA024045	CNPV*3612A**	0.99	0.96	PG8*VA060110	CNPV*3612A**	0.99	0.96	PG8*VA060110	CNPV*4221A**	0.99	0.95	PG8*VA060110	CNPV*4221A**	0.99	0.95	PG96VA*60100C***
CSPH*4212A**	1.01	0.98	PG8*EA024045	CNPV*4212A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CAP**3617A**	0.99	0.99	PG8*EA048070	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CNPV*3617A**	0.99	0.99	PG8*EA048070	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CNPV*3617A**	0.99	0.99	PG8*EA048070	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CNPV*4217A**	1.00	0.97	PG8*EA048070	CNPV*4217A**	0.99	0.96	PG8*VA060110	CNPV*4217A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CSPH*3612A**	1.00	0.97	PG8*EA048070	CNPV*3612A**	0.99	0.96	PG8*VA060110	CNPV*3612A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CSPH*4212A**	1.01	0.96	PG8*EA048070	CNPV*4212A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CAP**3621A**	0.99	0.95	PG8*EA048090	CNPV*3621A**	0.99	0.96	PG8*VA060110	CNPV*3621A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CAP**4221A**	0.99	0.94	PG8*EA048090	CNPV*4221A**	0.99	0.96	PG8*VA060110	CNPV*4221A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CNPV*4221A**	0.99	0.94	PG8*EA048090	CNPV*4221A**	0.99	0.96	PG8*VA060110	CNPV*4221A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CNPV*3621A**	0.98	0.96	PG8*EA048090	CNPV*3621A**	0.99	0.96	PG8*VA060110	CNPV*3621A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CNPV*4221A**	0.98	0.94	PG8*EA048090	CNPV*4221A**	0.99	0.96	PG8*VA060110	CNPV*4221A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CSPH*3612A**	0.99	0.94	PG8*EA048090	CNPV*3612A**	0.99	0.96	PG8*VA060110	CNPV*3612A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CSPH*4212A**	1.00	0.93	PG8*EA048090	CNPV*4212A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CAP**3621A**	0.99	0.94	PG8*EA048090	CNPV*3621A**	0.99	0.96	PG8*VA060110	CNPV*3621A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CAP**4221A**	0.99	0.94	PG8*EA048090	CNPV*4221A**	0.99	0.96	PG8*VA060110	CNPV*4221A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CNPV*4221A**	0.99	0.95	PG8*EA060110	CNPV*4221A**	0.99	0.96	PG8*VA060110	CNPV*4221A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CNPV*3621A**	0.99	0.96	PG8*EA060110	CNPV*3621A**	0.99	0.96	PG8*VA060110	CNPV*3621A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CNPV*4221A**	0.99	0.95	PG8*EA060110	CNPV*4221A**	0.99	0.96	PG8*VA060110	CNPV*4221A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CNPV*3612A**	0.99	0.93	PG8*EA048090	CNPV*3612A**	0.99	0.96	PG8*VA060110	CNPV*3612A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CNPV*3617A**	0.98	0.97	PG8*EA048090	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CNPV*3617A**	0.98	0.97	PG8*EA048090	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*3617A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CNPV*4217A**	0.99	0.94	PG8*EA048090	CNPV*4217A**	0.99	0.96	PG8*VA060110	CNPV*4217A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CSPH*3612A**	0.99	0.94	PG8*EA048090	CNPV*3612A**	0.99	0.96	PG8*VA060110	CNPV*3612A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CSPH*4212A**	0.99	0.94	PG8*EA048090	CNPV*4212A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.96	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG8*VA060110	CNPV*4212A**	0.99	0.95	PG96VA*60100C***
CAP**3614A**	0.99	0.99	PG8*EA036070	CNPV*3614A**															

HEAT PUMP HEATING PERFORMANCE

INDOOR AIR		-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. 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	Capacity MBtuh		Total Sys. KWt						
		Total	Integ*		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)	1225	16.50	15.18	2.35	20.70	19.02	2.49	25.09	22.87	2.65	29.65	26.33	2.82	34.58	31.47	2.98	39.24	39.24	3.09	43.69	43.69	3.20	48.12	48.12	3.30	52.56	52.56	3.41	57.00	57.00	3.51	61.44	61.44	3.61
	1400	16.79	15.44	2.36	21.01	19.30	2.50	25.43	23.19	2.65	30.03	26.67	2.81	34.96	31.81	2.95	39.41	39.41	3.04	43.59	43.59	3.13	47.74	47.74	3.21	51.60	51.60	3.31	55.80	55.80	3.41	60.00	60.00	3.51
	1575	17.04	15.67	2.37	21.27	19.55	2.51	25.73	23.46	2.65	30.34	26.95	2.80	35.23	32.06	2.93	39.45	39.45	3.01	43.38	43.38	3.09	47.21	47.21	3.15	54.60	54.60	3.25	58.80	58.80	3.35	63.00	63.00	3.45
	1225	15.96	14.66	2.49	20.18	18.55	2.63	24.58	22.41	2.78	29.24	25.97	2.95	34.06	30.99	3.11	38.78	38.78	3.23	43.24	43.24	3.34	47.59	47.59	3.46	51.60	51.60	3.55	55.80	55.80	3.65	60.00	60.00	3.75
70 (21.1)	1400	16.25	14.95	2.50	20.50	18.84	2.63	24.93	22.73	2.77	29.60	26.29	2.93	34.48	31.38	3.08	39.00	39.00	3.17	43.20	43.20	3.27	47.37	47.37	3.36	51.60	51.60	3.45	55.80	55.80	3.55	60.00	60.00	3.65
	1575	16.50	15.16	2.52	20.78	19.09	2.64	25.24	23.01	2.78	29.89	26.55	2.93	34.79	31.66	3.06	39.11	39.11	3.15	43.07	43.07	3.23	46.98	46.98	3.30	54.60	54.60	3.40	58.80	58.80	3.50	63.00	63.00	3.60
	1225	15.36	14.13	2.64	19.82	18.03	2.77	24.03	21.91	2.91	28.71	25.50	3.08	33.55	30.53	3.25	38.29	38.29	3.37	42.81	42.81	3.50	47.05	47.05	3.62	51.60	51.60	3.71	55.80	55.80	3.82	60.00	60.00	3.92
	1400	15.64	14.39	2.65	19.95	18.33	2.77	24.40	22.25	2.91	29.11	25.86	3.06	33.99	30.94	3.22	38.52	38.52	3.32	43.04	43.04	3.43	46.92	46.92	3.52	54.60	54.60	3.59	58.80	58.80	3.69	63.00	63.00	3.80
1575	15.90	14.63	2.67	20.23	18.59	2.78	24.71	22.53	2.91	29.46	26.16	3.06	34.32	31.23	3.19	38.70	38.70	3.29	43.01	43.01	3.38	46.64	46.64	3.46	54.60	54.60	3.55	58.80	58.80	3.65	63.00	63.00	3.76	

PH13NB042-B Outdoor Section With FB4CNF042 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*FB4CNF042	1.00	1.00	PG8*VA060110	CSPH*4212A**	0.99	0.99	PG8*VA060110
FB4CNF048	1.00	0.99	PG8*VA060110	CSPH*4812A**	1.00	0.99	PG8*VA060110
PF4MNA043	1.01	1.01	PG8*VA066135	CAP**4224A**	0.97	1.00	PG8*VA066135
PF4MNA049	1.01	0.97	PG8*VA066135	CAP**4824A**	0.99	0.98	PG8*VA066135
PF4MNB043	1.00	0.99	PG8*VA066135	CNPV*4824A**	0.99	0.98	PG8*VA066135
PF4MNB049	1.00	0.95	PG8*VA066135	CSPH*4212A**	0.99	0.98	PG8*VA066135
CAP**4221A**	0.99	1.01	PG8*VA066135	CSPH*4812A**	0.99	0.97	PG8*VA066135
CAP**4821A**	0.99	0.98	PG95XA*48080B***	CAP**4212A**	0.99	1.01	PG95XA*48080B***
CNPV*4212A**	0.99	1.02	PG95XA*60080C***	CAP**4812A**	1.00	0.99	PG95XA*60080C***
CNPV*4812A**	1.00	0.99	PG95XA*60080C***	CNPV*4212A**	0.99	0.99	PG95XA*60080C***
CNPV*4212A**	0.99	1.02	PG95XA*60080C***	CNPV*4812A**	1.00	0.99	PG95XA*60080C***
CNPV*4812A**	1.00	0.99	PG95XA*60080C***	CSPH*4212A**	0.99	1.02	PG95XA*60080C***
CSPH*4212A**	0.99	0.98	PG95XA*60080C***	CSPH*4812A**	1.00	0.99	PG95XA*60080C***
CSPH*4812A**	1.00	0.98	PG95XA*60080C***	CNPV*4212A**	0.99	1.02	PG95XA*60080C***
CAP**4221A**	0.99	1.00	PG95XA*60080C***	CNPV*4812A**	1.00	0.99	PG95XA*60080C***
CAP**4821A**	0.99	0.98	PG95XA*60080C***	CSPH*4212A**	0.99	1.02	PG95XA*60080C***
CNPV*4212A**	0.99	1.01	PG95XA*60100C***	CSPH*4812A**	1.00	0.98	PG95XA*60100C***
CNPV*4812A**	1.00	0.97	PG95XA*60100C***	CNPV*4212A**	0.99	1.00	PG95XA*60100C***
CNPV*4212A**	0.99	1.01	PG95XA*60100C***	CNPV*4812A**	1.00	0.99	PG95XA*60100C***
CNPV*4812A**	1.00	0.98	PG95XA*60100C***	CSPH*4212A**	0.99	1.02	PG95XA*60100C***
CSPH*4212A**	0.99	0.98	PG95XA*60100C***	CSPH*4812A**	1.00	0.99	PG95XA*60100C***
CSPH*4812A**	1.00	0.98	PG95XA*60100C***	CNPV*4212A**	0.99	1.00	PG95XA*60100C***
CAP**4821A**	0.99	1.00	PG95XA*60100C***	CNPV*4812A**	1.00	0.99	PG95XA*60100C***
CNPV*4212A**	0.99	1.02	PG95XA*60100C***	CSPH*4212A**	0.99	1.02	PG95XA*60100C***
CNPV*4812A**	1.00	0.99	PG95XA*60100C***	CSPH*4812A**	1.00	0.99	PG95XA*60100C***
CSPH*4212A**	0.99	0.99	PG95XA*60100C***	CNPV*4212A**	0.99	1.00	PG95XA*60100C***
CSPH*4812A**	1.00	0.99	PG95XA*60100C***	CNPV*4812A**	1.00	0.99	PG95XA*60100C***

See notes on pg. 30

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CSPH*4212A**	0.99	0.99	PG8*VA060110	CSPH*4212A**	0.99	0.99	PG8*VA060110
CSPH*4812A**	1.00	0.99	PG8*VA060110	CSPH*4812A**	1.00	0.99	PG8*VA060110
CAP**4224A**	0.97	1.00	PG8*VA066135	CAP**4224A**	0.99	0.98	PG8*VA066135
CAP**4824A**	0.99	0.98	PG8*VA066135	CNPV*4824A**	0.99	0.98	PG8*VA066135
CNPV*4824A**	0.99	0.98	PG8*VA066135	CSPH*4212A**	0.99	0.98	PG8*VA066135
CSPH*4212A**	0.99	0.98	PG8*VA066135	CSPH*4812A**	1.00	0.99	PG8*VA066135
CSPH*4812A**	1.01	1.01	PG95XA*48080B***	CAP**4212A**	0.99	1.01	PG95XA*48080B***
CAP**4212A**	0.99	1.01	PG95XA*60080C***	CAP**4812A**	1.00	0.99	PG95XA*60080C***
CAP**4812A**	1.00	0.99	PG95XA*60080C***	CNPV*4212A**	0.99	0.99	PG95XA*60080C***
CNPV*4212A**	0.99	1.02	PG95XA*60080C***	CNPV*4812A**	1.00	0.99	PG95XA*60080C***
CNPV*4812A**	1.00	0.99	PG95XA*60080C***	CSPH*4212A**	0.99	1.02	PG95XA*60080C***
CSPH*4212A**	0.99	1.02	PG95XA*60080C***	CSPH*4812A**	1.00	0.99	PG95XA*60080C***
CSPH*4812A**	1.00	0.99	PG95XA*60080C***	CNPV*4212A**	0.99	1.00	PG95XA*60080C***
CNPV*4212A**	0.99	1.02	PG95XA*60100C***	CNPV*4812A**	1.00	0.99	PG95XA*60100C***
CNPV*4812A**	1.00	0.99	PG95XA*60100C***	CSPH*4212A**	0.99	1.02	PG95XA*60100C***
CSPH*4212A**	0.99	0.98	PG95XA*60100C***	CSPH*4812A**	1.00	0.99	PG95XA*60100C***
CSPH*4812A**	1.00	0.98	PG95XA*60100C***	CNPV*4212A**	0.99	1.00	PG95XA*60100C***
CAP**4224A**	0.99	1.00	PG95XA*60100C***	CNPV*4812A**	1.00	0.99	PG95XA*60100C***
CAP**4824A**	0.99	0.98	PG95XA*60100C***	CSPH*4212A**	0.99	1.02	PG95XA*60100C***
CNPV*4212A**	0.99	1.01	PG95XA*60100C***	CSPH*4812A**	1.00	0.99	PG95XA*60100C***
CNPV*4812A**	1.00	0.99	PG95XA*60100C***	CNPV*4212A**	0.99	1.00	PG95XA*60100C***
CNPV*4212A**	0.99	1.01	PG95XA*60100C***	CNPV*4812A**	1.00	0.99	PG95XA*60100C***
CNPV*4812A**	1.00	0.98	PG95XA*60100C***	CSPH*4212A**	0.99	1.02	PG95XA*60100C***
CSPH*4212A**	0.99	0.98	PG95XA*60100C***	CSPH*4812A**	1.00	0.99	PG95XA*60100C***
CSPH*4812A**	1.00	0.98	PG95XA*60100C***	CNPV*4212A**	0.99	1.00	PG95XA*60100C***
CAP**4821A**	0.99	1.00	PG95XA*60080C***	CNPV*4812A**	1.00	0.99	PG95XA*60080C***
CNPV*4212A**	0.99	1.02	PG95XA*60080C***	CSPH*4212A**	0.99	1.02	PG95XA*60080C***
CNPV*4812A**	1.00	0.99	PG95XA*60080C***	CSPH*4812A**	1.00	0.99	PG95XA*60080C***
CSPH*4212A**	0.99	1.00	PG95XA*60080C***	CNPV*4212A**	0.99	1.00	PG95XA*60080C***
CSPH*4812A**	1.00	0.99	PG95XA*60080C***	CNPV*4812A**	1.00	0.99	PG95XA*60080C***

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*FB4CNF042	1.00	1.00	PG8*EA048090	CSPH*4212A**	0.99	0.99	PG8*EA048090
FB4CNF048	1.00	0.99	PG8*EA048090	CSPH*4812A**	1.00	0.98	PG8*EA048090
PF4MNA043	1.01	1.01	PG8*EA060110	CAP**4221A**	0.99	1.00	PG8*EA060110
PF4MNA049	1.01	0.97	PG8*EA060110	CAP**4821A**	0.99	0.98	PG8*EA060110
PF4MNB043	1.00	0.99	PG8*EA060110	CNPV*4821A**	0.99	0.98	PG8*EA060110
PF4MNB049	1.00	0.95	PG8*EA060110	CSPH*4212A**	0.99	0.98	PG8*EA060110
CAP**4221A**	0.99	1.01	PG8*EA060110	CSPH*4812A**	1.00	0.97	PG8*EA060110
CAP**4821A**	0.99	0.98	PG8*EA060110	CAP**4212A**	0.99	1.02	PG8*EA060110
CNPV*4212A**	0.99	1.02	PG8*EA060110	CAP**4812A**	1.00	0.99	PG8*EA060110
CNPV*4812A**	1.00	0.99	PG8*EA060110	CNPV*4212A**	0.99	0.99	PG8*EA060110
CNPV*4212A**	0.99	1.02	PG8*EA060110	CNPV*4812A**	1.00	0.99	PG8*EA060110
CNPV*4812A**	1.00	0.98	PG8*EA060110	CSPH*4212A**	0.99	1.02	PG8*EA060110
CSPH*4212A**	0.99	0.98	PG8*EA060110	CSPH*4812A**	1.00	0.99	PG8*EA

HEAT PUMP HEATING PERFORMANCE

OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)

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. KWh	Integ*	Capacity MBtuh	Total Sys. KWh	Integ*	Capacity MBtuh	Total Sys. KWh	Integ*	Capacity MBtuh	Total Sys. KWh	Integ*	Capacity MBtuh	Total Sys. KWh	Integ*	Capacity MBtuh	Total Sys. KWh	Integ*	Capacity MBtuh	Total Sys. KWh	Integ*		
65 (18.3)	1400	19.51	17.94	2.85	24.31	22.34	2.96	29.33	26.75	3.09	34.59	30.72	3.23	39.59	36.03	3.32	43.98	43.98	3.43	48.36	48.36	3.54	52.16	52.16	3.64
	1600	19.80	18.22	2.87	24.64	22.65	2.98	29.70	27.08	3.09	34.93	31.02	3.20	39.69	36.11	3.29	43.77	43.77	3.38	47.47	47.47	3.46	48.90	48.90	3.48
	1800	20.08	18.47	2.91	24.94	22.91	3.00	30.02	27.37	3.11	35.20	31.26	3.20	39.67	36.10	3.28	43.40	43.40	3.35	45.69	45.69	3.39	46.67	46.67	3.39
70 (21.1)	1400	19.03	17.51	2.97	23.83	21.89	3.09	28.84	26.30	3.22	34.10	30.29	3.37	39.13	35.61	3.48	43.59	43.59	3.60	47.82	47.82	3.72	51.56	51.56	3.82
	1600	19.34	17.79	3.00	24.17	22.21	3.10	29.23	26.65	3.22	34.49	30.64	3.35	39.28	35.75	3.44	43.50	43.50	3.54	47.26	47.26	3.63	49.18	49.18	3.66
	1800	19.61	18.04	3.03	24.48	22.49	3.13	29.56	26.96	3.24	34.80	30.91	3.33	39.37	35.82	3.43	43.31	43.31	3.51	46.39	46.39	3.58	47.58	47.58	3.59
75 (23.9)	1400	18.48	17.00	3.11	23.28	21.40	3.23	28.31	25.81	3.37	33.63	29.87	3.53	38.65	35.18	3.64	43.12	43.12	3.77	47.48	47.48	3.90	51.18	51.18	4.01
	1600	18.79	17.29	3.13	23.64	21.72	3.24	28.71	26.17	3.37	34.04	30.24	3.51	38.86	35.36	3.60	43.15	43.15	3.71	47.19	47.19	3.81	48.98	48.98	3.85
	1800	19.08	17.55	3.16	23.96	22.01	3.26	29.05	26.49	3.38	34.36	30.52	3.50	38.98	35.47	3.59	43.08	43.08	3.68	46.82	46.82	3.76	48.22	48.22	3.78

PH13NB048-B Outdoor Section With FB4CNI048 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL		HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	
			Total Sys. KWh	Integ*				Total Sys. KWh	Integ*
*FB4CNI048	1.00	1.00	PG8*EA066135	PG8*EA066135	CSPH*6012A**	0.99	0.96	PG8*EA066135	PG8*EA066135
FB4CNI060	1.00	0.97	PG8*EA066135	PG8*EA066135	CAP**4821A**	1.00	1.00	PG8*EA066135	PG8*EA066135
PF4MNA049	1.02	0.99	PG8*EA066135	PG8*EA066135	CAP**6021A**	1.00	0.98	PG8*EA066135	PG8*EA066135
PF4MNA061	1.01	0.95	PG8*EA066135	PG8*EA066135	CNPV*4821A**	1.00	0.99	PG8*EA066135	PG8*EA066135
PF4MNB049	1.02	0.98	PG8*EA066135	PG8*EA066135	CNPV*4821A**	1.00	0.99	PG8*EA066135	PG8*EA066135
PF4MNB061	1.00	0.93	PG8*EA066135	PG8*EA066135	CSPH*4812A**	1.00	0.99	PG8*EA066135	PG8*EA066135
CAP**4821A**	1.00	0.99	PG8*EA066135	PG8*EA066135	CSPH*6012A**	1.00	0.97	PG8*EA066135	PG8*EA066135
CAP**6021A**	1.00	0.98	PG8*EA066135	PG8*EA066135	CAP**4821A**	0.99	0.99	PG8*EA066135	PG8*EA066135
CNPV*4821A**	1.00	0.99	PG8*EA066135	PG8*EA066135	CAP**6021A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CNPV*4812A**	1.00	0.98	PG8*EA066135	PG8*EA066135	CNPV*4821A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CSPH*4812A**	1.00	0.98	PG8*EA066135	PG8*EA066135	CNPV*6024A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CSPH*6012A**	1.00	0.97	PG8*EA066135	PG8*EA066135	CSPH*4812A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CAP**4821A**	0.99	0.98	PG8*EA066135	PG8*EA066135	CSPH*6012A**	1.00	0.97	PG8*EA066135	PG8*EA066135
CAP**6021A**	0.99	0.96	PG8*EA066135	PG8*EA066135	CAP**4824A**	1.00	0.99	PG8*EA066135	PG8*EA066135
CNPV*4821A**	0.99	0.97	PG8*EA066135	PG8*EA066135	CNPV*4824A**	1.00	0.99	PG8*EA066135	PG8*EA066135
CNPV*4812A**	0.99	0.97	PG8*EA066135	PG8*EA066135	CSPH*6024A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CSPH*4812A**	0.99	0.97	PG8*EA066135	PG8*EA066135	CSPH*4812A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CSPH*6012A**	1.00	0.96	PG8*EA066135	PG8*EA066135	CNPV*4812A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CAP**4824A**	1.00	0.97	PG8*EA066135	PG8*EA066135	CSPH*4812A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CNPV*6024A**	1.00	0.98	PG8*EA066135	PG8*EA066135	CSPH*6012A**	1.00	0.97	PG8*EA066135	PG8*EA066135
CNPV*4817A**	1.00	0.99	PG8*EA066135	PG8*EA066135	CAP**4821A**	0.99	0.99	PG8*EA066135	PG8*EA066135
CSPH*4812A**	1.00	0.98	PG8*EA066135	PG8*EA066135	CAP**6021A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CSPH*6012A**	1.00	0.97	PG8*EA066135	PG8*EA066135	CNPV*4821A**	1.00	0.99	PG8*EA066135	PG8*EA066135
CAP**4821A**	1.00	0.98	PG8*EA066135	PG8*EA066135	CNPV*4812A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CAP**6021A**	1.00	0.96	PG8*EA066135	PG8*EA066135	CSPH*4812A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CNPV*4824A**	1.00	0.98	PG8*EA066135	PG8*EA066135	CSPH*6012A**	1.00	0.97	PG8*EA066135	PG8*EA066135
CNPV*6024A**	1.00	0.97	PG8*EA066135	PG8*EA066135	CAP**4821A**	0.99	0.99	PG8*EA066135	PG8*EA066135
CNPV*4812A**	1.00	0.98	PG8*EA066135	PG8*EA066135	CAP**6021A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CSPH*4812A**	1.00	0.98	PG8*EA066135	PG8*EA066135	CNPV*4821A**	1.00	0.99	PG8*EA066135	PG8*EA066135
CSPH*6012A**	1.00	0.97	PG8*EA066135	PG8*EA066135	CNPV*4812A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CAP**4824A**	1.00	0.99	PG8*EA066135	PG8*EA066135	CSPH*4812A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CNPV*6024A**	1.00	0.98	PG8*EA066135	PG8*EA066135	CSPH*6012A**	1.00	0.97	PG8*EA066135	PG8*EA066135
CNPV*4824A**	1.00	0.96	PG8*EA066135	PG8*EA066135	CAP**4824A**	1.00	0.99	PG8*EA066135	PG8*EA066135
CNPV*6024A**	1.00	0.96	PG8*EA066135	PG8*EA066135	CNPV*6024A**	1.00	0.98	PG8*EA066135	PG8*EA066135
CSPH*4812A**	1.00	0.97	PG8*EA066135	PG8*EA066135	CNPV*4824A**	1.00	0.98	PG8*EA066135	PG8*EA066135
					CSPH*4812A**	1.00	0.97	PG8*EA066135	PG8*EA066135

See notes on pg. 30



HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)															
EDB ° F (° C)	CFM	-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†
		Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*
PH13NE060 - B Outdoor Section With PF4MNA061 Indoor Section																	
65 (18.3)	1750	23.44	21.56	3.50	29.34	26.96	3.66	32.35	3.81	42.10	37.39	3.98	48.97	44.56	4.10	55.64	55.64
	2000	23.86	21.95	3.54	29.79	27.37	3.68	32.76	3.81	42.65	37.88	3.96	49.31	44.87	4.07	55.85	55.85
	2250	24.24	22.30	3.59	30.19	27.74	3.72	33.14	3.84	43.06	38.25	3.96	49.56	45.10	4.06	55.88	55.88
70 (21.1)	1750	22.60	20.79	3.65	28.59	26.27	3.82	34.80	31.73	41.43	36.79	4.16	48.38	44.02	4.30	55.00	55.00
	2000	23.03	21.19	3.69	29.05	26.70	3.84	35.30	32.18	41.98	37.28	4.15	48.75	44.36	4.26	55.28	55.28
	2250	23.41	21.54	3.73	29.47	27.08	3.88	35.73	32.58	42.46	37.71	4.15	49.03	44.62	4.25	55.41	55.41
75 (23.9)	1750	21.71	19.97	3.80	27.80	25.54	3.99	34.09	31.08	40.72	36.16	4.36	47.74	43.44	4.51	54.34	54.34
	2000	22.14	20.37	3.84	28.27	25.97	4.01	34.59	31.54	41.28	36.66	4.34	48.18	43.84	4.47	54.66	54.66
	2250	22.52	20.72	3.89	28.68	26.35	4.05	35.03	31.94	41.76	37.09	4.35	48.49	44.13	4.45	54.88	54.88

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*PF4MNB061	1.00	1.00	
PF4MNA061	1.00	1.01	

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

* 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.

† 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.

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 AHRI Standard 210.
- Unit will be certified for capacity and efficiency, and listed in the latest AHRI directory.
- Unit construction will comply with latest edition of ANSI/ASHRAE and with NEC.
- Unit will be constructed in accordance with UL standards and will carry the UL label of approval. Unit will have c-UL 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.

SPLIT-SYSTEM HEAT PUMP

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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.

SYSTEM DESIGN

1. Intended for outdoor installation with free air inlet and outlet. Outdoor fan external static pressure available is less than 0.01-in. wc.
2. Minimum outdoor operating air temperature without low-ambient operation accessory is 55°F (12.8°C).
3. Maximum outdoor operating air temperature is 115°F (46.1°C).
4. For reliable operation, unit should be level in all horizontal planes.
5. Maximum elevation of indoor coil above or below base of outdoor unit is: indoor coil above = 80 ft (24.38 m), indoor coil below = 200 ft (60.96).
6. For interconnecting refrigerant tube lengths greater than 80 ft (24.38 m) horizontal or 20 ft (6.10 m) vertical differential, consult Residential Split System Long-Line Application Guideline available from equipment distributor.
7. Crankcase heater required when interconnecting refrigerant tube length exceeds 80 ft (24.38 m).
8. If any refrigerant tubing is buried, provide a minimum 6 in (152.4 mm) vertical rise to the valve connections at the unit. Refrigerant tubing lengths up to 36 in (914.4 mm) may be buried without further consideration.
9. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.

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