

PH16NA

**16 SEER 2–Stage
Split–System Heat Pump
With R–410A Refrigerant
2 To 5 Tons (024–060)**

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 / BENEFITS

AVAILABLE SIZES:

Nominal sizes are available from 024 through 060 to meet the needs of residential and light commercial applications.

CERTIFICATION:

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

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

UNIT DESIGN:

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

COMPRESSOR:

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

SERVICE VALVES:

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

SERVICEABILITY:

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

PH16NA



STANDARD FEATURES

X = Standard

* = With Approved Combinations

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:

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)
24,000 2–Stage HP with R-410A	3/8	5/8	0	1	1	2	3	3	4	4	5
		3/4	0	1	1	1	1	1	1	1	1
36,000 2–Stage HP with R-410A	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	—	—	—	—	—	—	—
48,000 2–Stage HP with R-410A	3/8	3/4	1	2	2	3	4	5	6	7	7
		7/8	0	1	1	2	2	2	3	3	4
		1–1/8	0	0	—	—	—	—	—	—	—
60,000 2–Stage HP with R-410A	3/8	3/4	1	2	4	5	6	8	9	10	11
		7/8	0	1	2	2	3	4	4	5	5
		1–1/8	0	0	—	—	—	—	—	—	—

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.

— Applications in this area are not recommended due to insufficient oil return.

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 outdoor 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)
024 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*
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

SPECIFICATIONS

UNIT SIZE – SERIES	024 – B	036 – B	048 – B	060 – B
ELECTRICAL				
Unit Volts – Hertz – Phase	208–230 – 60 – 1			
Operating Voltage Range* (min – max)	197 – 253			
Compressor – Rated Load Amps	12.5	18.5	22.8	22.8
Locked Rotor Amps	58.3	83.0	104.0	152.9
Condenser Fan Motor – Full Load Amps	0.6	0.6	1.3	1.5
Charging Subcooling (TXV Expansion Device) °F (°C)	10 (5.6)	13 (7.2)	12 (6.7)	11 (6.1)
Min Unit Ampacity for Wire Sizing	16.2	23.7	29.8	37.5
Max Branch Circuit Fuse Size†	25	40	50	60
Max Wire Length 60/75 ft(m)‡	48 / 46 (14.8 / 14.1)	52 / 50 (16.0 / 15.3)	67 / 63 (20.4 / 19.4)	82 / 78 (25.2 / 24.0)
Min Wire Size (°60 / °75 Copper) AWG**	14 / 14	12 / 12	10 / 10	8 / 8
COMPRESSOR AND REFRIGERANT				
Compressor – Manufacturer	Copeland			
Type	Ultratech® 2–Stage Scroll			
R–410A Refrigerant – Amount lb (kg) @ 15 ft (4.6m)	13.07 (5.93)	13.70 (6.21)	13.73 (6.23)	14.78 (6.70)
Refrigerant Tubes (In. OD)				
Rated Vapor†† and Liquid	3/4 and 3/8	7/8 and 3/8	1 – 1/8 and 3/8	
OD Heating Piston	46	55	61	67
CONDENSER COIL AND FAN				
Coil Face Area (Sq Ft)	25.15	25.15	25.15	30.18
Fan Motor – HP, Type, and RPM	1/12, PSC, and 800	1/12, PSC, and 800	1/4, PSC, and 825	1/4, PSC, and 825
Condenser Airflow (CFM)	3200	3200	4350	5000
OPTIONAL EQUIPMENT				
Start Assist – Capacitor/Relay Type‡‡	KSAHS2501AAA		KSAHS2801AAA	
Compressor Sound Hood	KSASH2301COP		KSASH2401COP	
Time – Delay Relay	KAATD0101TDR			
Liquid Solenoid Valve	KHALS0401LLS			
Snow Stand	KHASS0606MPK			
Support Feet	KSASF0101AAA			
Low Ambient Pressure Switch	KSALA0301410			
Evaporator Freeze Thermostat	KAAFT0101AAA			
Isolation Relay	KHAIR0201AAA			

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

† Time–delay fuse or circuit breaker.

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

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

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

‡‡ Not backward compatible to previous series.

Complies with 2010 requirements of ASHRAE Standards 90.1

A-WEIGHTED SOUND POWER LEVEL (dBA)

Unit Size	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
024 – B	73 – High Stage	51.5	55.0	63.5	69.0	62.0	58.5	56.0
	70 – Low Stage	51.5	55.5	63.0	66.0	62.0	59.0	54.0
036 – B	74 – High Stage	54.5	57.5	65.0	70.5	62.5	60.0	57.0
	71 – Low Stage	54.0	57.5	63.5	66.0	61.0	60.5	55.0
048 – B	75 – High Stage	53.5	59.5	66.0	70.5	64.0	61.5	55.0
	71 – Low Stage	54.0	59.5	66.0	66.0	63.0	61.5	55.5
060 – B	74 – High Stage	51.5	58.0	66.0	68.0	64.5	63.0	61.5
	73 – Low Stage	53.0	58.5	66.5	68.0	64.5	63.0	58.5

NOTE: Tested in accordance with AHRI Standard 270–2008. (Not listed with AHRI).

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

Unit Size	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
024 – B	71 – High Stage	50.0	55.0	63.0	68.0	61.5	57.5	52.0
	70 – Low Stage	50.5	56.0	63.0	66.0	61.5	58.0	51.5
036 – B	72 – High Stage	54.5	57.0	64.5	69.0	61.5	58.5	53.0
	70 – Low Stage	55.5	56.5	63.0	65.0	60.5	59.0	52.0
048 – B	74 – High Stage	54.0	59.5	66.0	70.0	63.0	59.0	51.5
	70 – Low Stage	53.5	59.0	65.5	65.0	62.5	60.5	54.0
060 – B	73 – High Stage	52.0	58.5	66.0	68.0	64.0	60.5	56.5
	72 – Low Stage	54.0	58.0	66.0	67.5	64.0	61.0	55.0

NOTE: Tested in accordance with AHRI Standard 270–2008. (Not listed with AHRI).

ACCESSORY USAGE GUIDELINE

Accessory	Required for Low Ambient Cooling Applications (Below 55° F / 12.8° C)	Required for Long Line Applications*	Required for Sea Coast Applications (within 2 miles/3.2 km)
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Crankcase Heater	Yes (standard)	Yes (standard)	No
Evaporator Freeze Thermostat	Yes	No	No
Hard Shutoff TXV	Yes (standard w/factory approved indoor unit)	Yes (standard w/factory approved indoor unit)	Yes (standard w/factory approved indoor unit)
Isolation Relay	Yes	No	No
Liquid Line Solenoid Valve	No	See Residential Piping and Long Line Guideline	No
Low-Ambient Pressure Switch	Yes	No	No
Support Feet	Recommended	No	Recommended

* For tubing line sets between 80 and 200 ft. (24.38 and 60.96 m) and/or 20 ft. (6.09 m) vertical differential, refer to Residential Piping and Longline Guideline.

Accessory Description and Usage (Listed Alphabetically)

1. Compressor Start Assist - Capacitor and Relay

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

Usage Guideline:

Required for 2-stage non-communicating units in the following applications:

Long line

Low ambient cooling

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

2. Crankcase Heater

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

Usage Guideline:

Required in low ambient cooling applications.

Required in long line applications.

Suggested in all commercial applications.

3. Evaporator Freeze Thermostat

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

Usage Guideline:

Required when low ambient kit has been added.

4. Isolation Relay

An SPDT relay which switches the low ambient controller out of the outdoor fan motor circuit when the heat pump switches to heating mode.

Usage Guideline:

Required in all heat pumps where low ambient kit has been added.

5. Low-Ambient Pressure Switch

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

Usage Guideline:

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

6. Liquid-Line Solenoid Valve (LLS)

An electrically operated shutoff valve which stops and starts refrigerant liquid flow in response to compressor operation. It is to be installed at the outdoor unit to control refrigerant off cycle migration in the heating mode.

Usage Guideline:

An LLS is required in all long line heat pump applications to control refrigerant off cycle migration in the heating mode. See Long Line Guideline.

Suggested for all commercial applications.

7. Outdoor Air Temperature Sensor

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

Usage Guideline:

Suggested for all Payne thermostats listed in this publication.

8. Outdoor Thermostat

An SPDT temperature-actuated switch which turns on supplemental electric heaters when outdoor air temperature drops below a user-selected set point.

Usage Guideline:

Electric supplemental heat applications in non-variable speed indoor units when electric heat staging is desired.

9. Secondary Outdoor Thermostat

An SPDT temperature-actuated switch which turns on third-stage of supplemental electric heaters when outdoor air temperature drops below the second-stage set point.

Usage Guideline:

Outdoor thermostat applications where electric heater is capable of three-stage operation.

10. Snow Stand

Coated wire rack which supports unit 18 in. (457.2 mm) above mounting pad to allow for drainage from unit base.

Usage Guideline:

Suggested in the following applications:

Heat pump installations in heavy snowfall areas.

Heat pump installations in snow drift locations.

Heat pump installations in areas of prolonged subfreezing temperatures.

All commercial installations.

11. Thermostatic Expansion Valve (TXV) Bi-Flow

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

Usage Guideline:

Accessory required to meet AHRI rating and system reliability, where indoor not equipped.

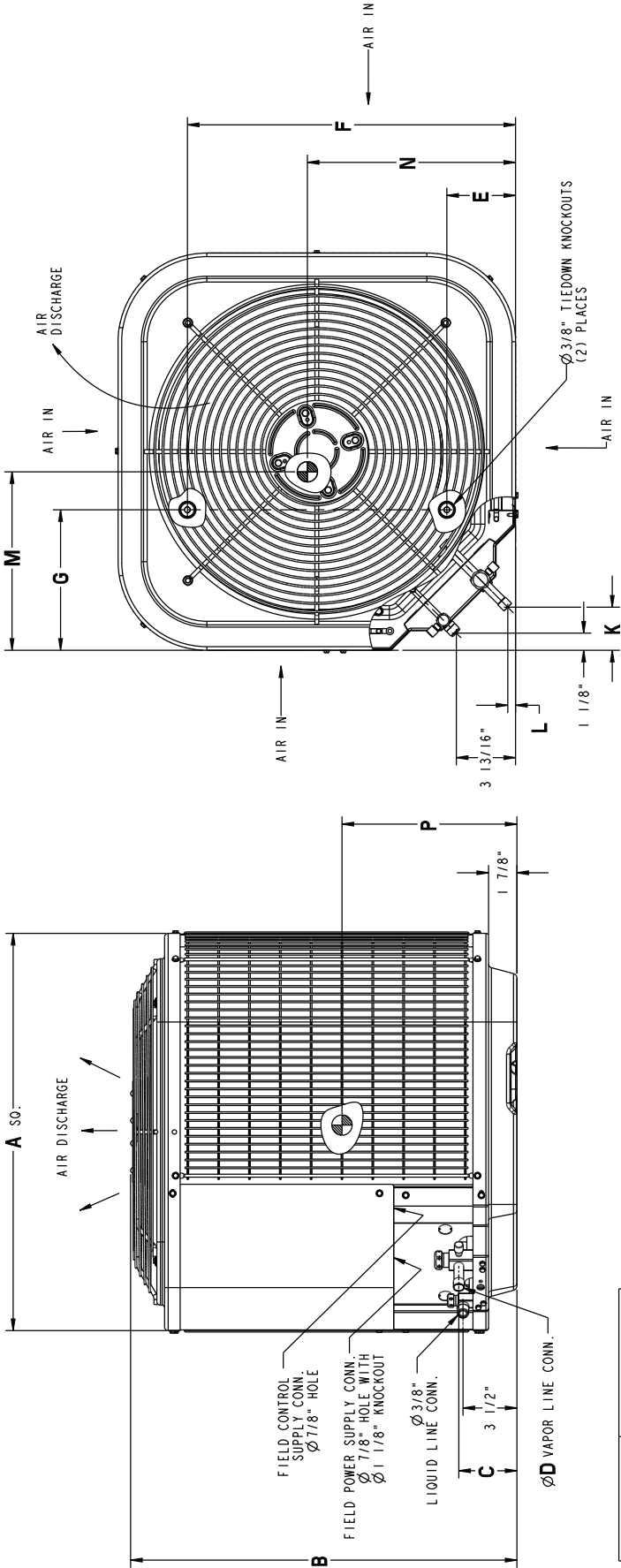
Required in all heat pump applications designed with Puron refrigerant.

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)		
PH16NA024	B	X	0	0	0	35"	38 5/8"	3 3/4"	3/4"	6 9/16"	28 7/16"	9 1/8"	2 13/16"	1 1/2"	17"	19"	233	277	36 1/8" X 39 1/4" X 42 3/4"		
PH16NA036	B	X	0	0	0	35"	38 5/8"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	2 15/16"	1 7/4"	16"	17 1/4"	245	289	36 1/8" X 39 1/4" X 42 3/4"		
PH16NA048	B	X	0	0	0	35"	38 5/8"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	2 15/16"	1 7/4"	16 3/4"	17 1/2"	271	315	36 1/8" X 39 1/4" X 42 3/4"		
PH16NA060	B	X	0	0	0	35"	45 7/16"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	2 15/16"	1 8 3/4"	18 1/4"	19"	294	340	36 1/8" X 39 1/4" X 49 9/16"		

X = YES
0 = NO

208-230-160	208/230-3-60	460-3-60	575-3-60
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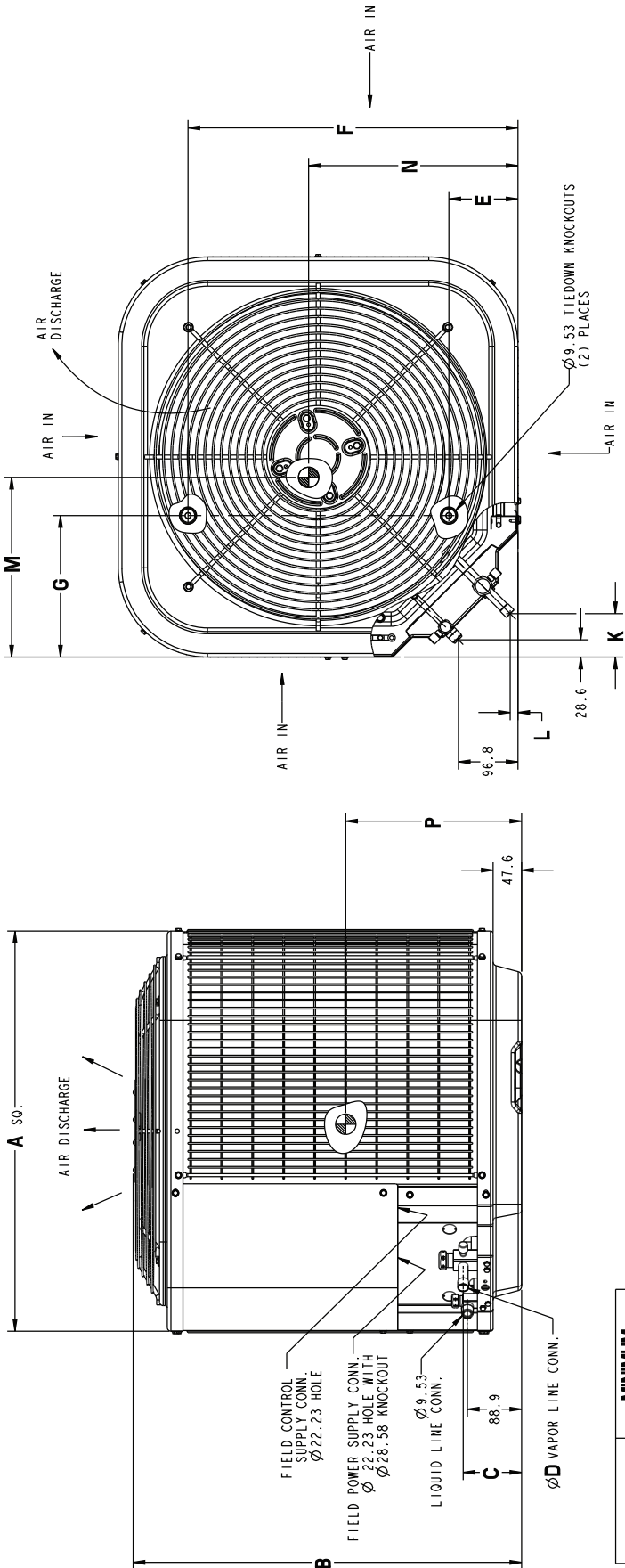
UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
-	26" X 26"
-	31 1/2" X 31 1/2"
24 THRU 60	35" X 35"

DIMENSIONS - SI

UNIT	SERIES	ELECTRICAL CHARACTERISTICS		A	B	C	D	E	F	G	K	L	M	N	P	OPERATING WEIGHT (Kgs)	SHIPPING WEIGHT (Kgs)	SHIPPING DIMENSIONS (L x W x H)	
PH16NA024	B	X	0	0	0	889.0	980.8	95.6	19.1	166.1	722.8	231.3	70.9	431.8	406.4	482.6	105.7	125.6	917.7 x 997.7 x 1085.9
PH16NA036	B	X	0	0	0	889.0	980.8	97.9	22.2	166.1	722.8	231.3	74.5	438.2	406.4	438.2	111.1	131.1	917.7 x 997.7 x 1085.9
PH16NA048	B	X	0	0	0	889.0	980.8	97.9	22.2	166.1	722.8	231.3	74.5	438.2	425.5	444.5	122.9	142.9	917.7 x 997.7 x 1085.9
PH16NA060	B	X	0	0	0	889.0	1153.6	97.9	22.2	166.1	722.8	231.3	74.5	476.3	463.6	482.6	133.4	154.2	917.7 x 997.7 x 1258.6

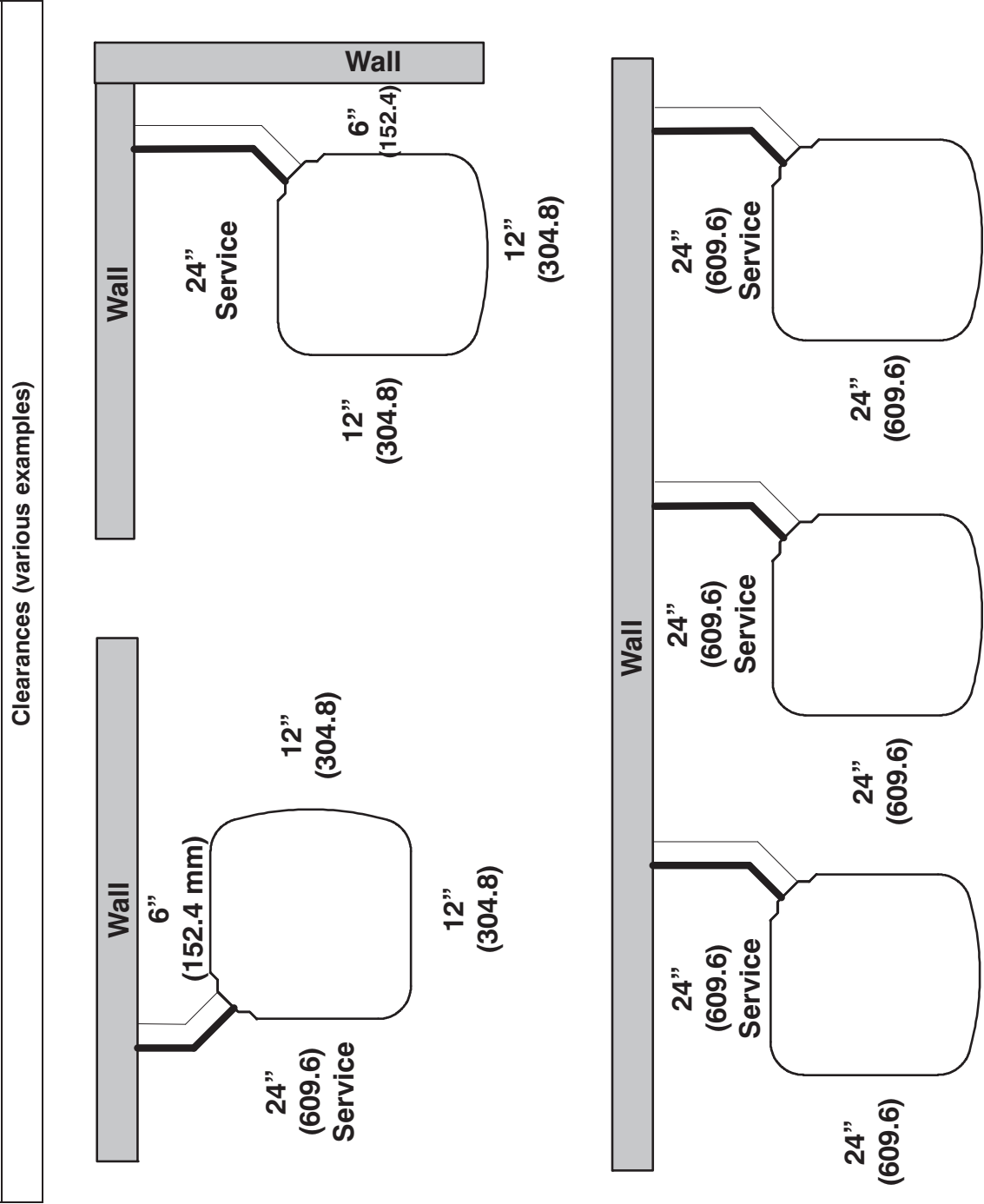
208-230-160	208/230-3-60	460-3-60	575-3-60
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X = YES
O = NO



UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
-	660.4 X 660.4
-	800.1 X 800.1
24 THRU 60	889.0 X 889.0

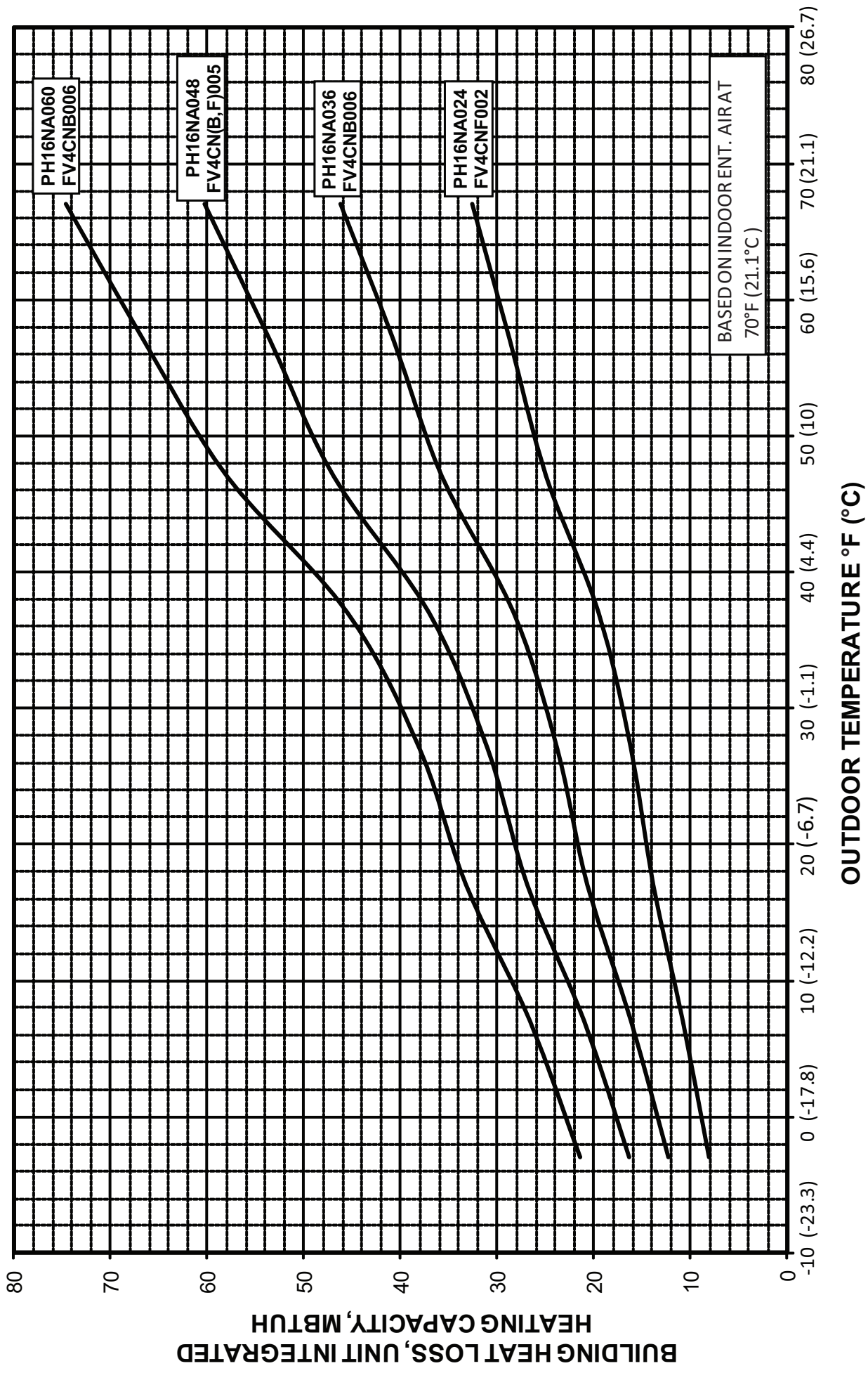
CLEARANCES



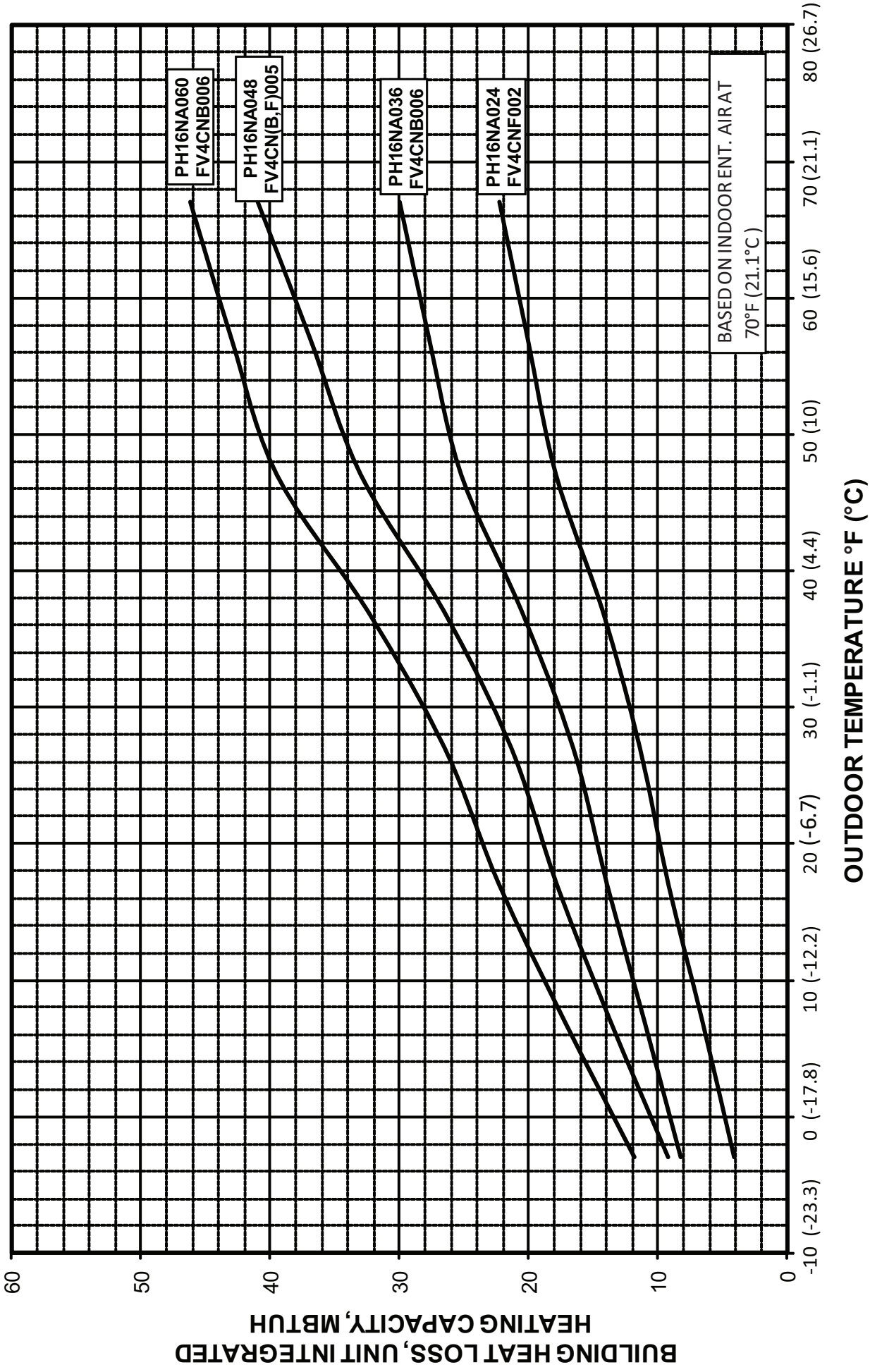
Note: Numbers in () = mm

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

BALANCE POINT WORKSHEET - HIGH STAGE



BALANCE POINT WORKSHEET - LOW STAGE



TESTED AHRI COMBINATION RATINGS*

NOTE: Ratings contained in this document are subject to change at any time.
For AHRI ratings certificates, please refer to the AHRI directory www.ahridirectory.org
Additional ratings and system combinations can be accessed via the Payne database at: http://cactaxcredits.info/payne-ratings/hp_ratings_srch.php

COMBINATION RATINGS

Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	Cooling			Heating					
				EER	SEER	ID CFM		High Temp		HSPF	Low Temp	
						High	Low	Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
PH16NA024****B	FV4CNF002		24,000	13.0	17.0	700	560	25,000	3.90	9.0	15,300	2.74
PH16NA036****B	FV4CNB006		36,400	13.3	17.0	1050	840	35,800	4.06	9.5	22,600	3.00
PH16NA048****B	FV4CN(B,F)005		47,000	12.5	16.0	1400	1120	47,000	3.68	9.0	29,200	2.72
PH16NA060****B	FV4CNB006		56,500	12.5	16.0	1750	1400	58,000	3.72	9.0	36,000	2.76

NOTES: :
* 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

DETAILED COOLING CAPACITIES#

PH16NA

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)												
CFM	EWB ° F (° C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)		125 (51.7)		
		Capacity MBtuh Total	Sens†	Capacity MBtuh Total	Sens†	Capacity MBtuh Total	Sens†	Capacity MBtuh Total	Sens†	Capacity MBtuh Total	Sens†	Capacity MBtuh Total	Sens†	
PH16NA024****B Outdoor Section With FV4CNF002 Indoor Section – HI														
600	57 (13.9)	22.47	22.47	21.26	1.60	20.00	20.00	18.69	18.69	17.34	17.34	15.96	15.96	2.72
	62 (16.7)	24.04	22.54	19.39	1.61	20.99	18.43	18.2	19.39	17.45	17.77	16.44	16.14	2.72
	63 (17.2)††	24.52	22.99	16.03	1.61	21.40	15.16	1.82	19.77	14.27	18.10	13.37	16.39	2.72
	67 (19.4)	26.60	17.58	16.71	1.62	23.23	15.82	1.83	21.47	14.92	19.68	14.02	17.86	2.73
	72 (22.2)	29.45	14.67	13.88	1.64	25.73	13.07	1.84	23.80	12.26	2.09	21.84	11.45	2.73
650	57 (13.9)	23.20	23.20	21.94	1.61	20.62	20.62	1.82	19.26	19.26	17.86	17.86	16.42	2.73
	62 (16.7)	24.52	21.24	20.27	1.62	21.39	19.27	1.82	19.75	18.25	18.11	17.18	16.46	2.73
	63 (17.2)††	25.01	17.53	16.66	1.62	21.79	15.76	1.83	20.11	14.85	2.07	18.40	13.93	2.73
	67 (19.4)	27.11	18.28	17.38	1.63	23.64	16.47	1.84	21.83	15.54	2.08	20.00	14.61	2.74
	72 (22.2)	30.01	15.16	14.35	1.65	26.17	13.52	1.85	24.19	12.70	2.10	22.17	11.86	2.74
700	57 (13.9)	23.88	23.88	22.56	1.62	21.20	21.20	19.78	19.78	18.33	18.33	16.84	16.84	2.74
	62 (16.7)	24.95	22.13	21.12	1.63	21.74	20.08	1.83	20.08	19.01	2.08	18.42	18.27	2.74
	63 (17.2)††	25.44	18.16	17.27	1.63	22.14	16.35	1.84	20.41	15.41	2.08	18.65	14.47	2.74
	67 (19.4)	27.57	18.95	18.03	1.64	24.00	17.09	1.85	22.15	16.14	2.09	20.27	15.19	2.74
	72 (22.2)	30.50	15.64	14.80	1.65	26.55	13.96	1.86	24.52	13.11	2.10	22.46	12.24	2.75
800	57 (13.9)	25.06	25.06	23.66	1.64	22.20	22.20	1.85	20.69	20.69	19.15	19.15	17.57	2.75
	62 (16.7)	25.69	23.81	22.72	1.64	22.38	21.57	1.85	20.73	20.73	2.10	19.18	19.18	2.75
	63 (17.2)††	26.15	19.37	18.44	1.65	22.69	17.47	1.85	20.90	16.49	2.10	19.08	15.51	2.75
	67 (19.4)	28.31	20.24	19.28	1.66	24.59	18.30	1.86	22.66	17.31	2.11	20.71	16.31	2.76
	72 (22.2)	31.29	16.52	15.64	1.67	27.18	14.75	1.87	25.08	13.85	2.12	22.94	12.95	2.77
PH16NA024****B Outdoor Section With FV4CNF002 Indoor Section – LO														
480	57 (13.9)	17.40	17.40	16.19	1.19	14.92	14.92	1.39	13.64	13.64	12.37	12.37	11.13	2.20
	62 (16.7)	18.34	16.19	15.05	1.19	15.38	13.92	1.39	13.87	12.77	12.43	12.34	11.15	2.20
	63 (17.2)††	18.71	13.35	12.36	1.18	15.67	11.36	1.38	14.11	10.38	1.62	12.58	9.42	1.89
	67 (19.4)	20.36	13.94	12.92	1.17	17.07	11.90	1.37	15.40	10.90	1.62	13.77	9.91	1.88
	72 (22.2)	22.60	11.57	10.66	1.15	18.96	9.76	1.35	17.13	8.89	1.59	15.35	8.03	1.86
520	57 (13.9)	17.97	17.97	16.71	1.19	15.39	15.39	1.39	14.05	14.05	1.62	12.74	12.74	2.20
	62 (16.7)	18.72	16.93	15.75	1.19	15.68	14.56	1.39	14.15	13.34	1.62	12.76	12.76	2.20
	63 (17.2)††	19.08	13.89	12.86	1.19	15.95	11.83	1.39	14.35	10.82	1.62	12.79	9.83	1.89
	67 (19.4)	20.75	14.52	13.46	1.17	17.36	12.41	1.37	15.65	11.37	1.61	13.98	10.37	1.88
	72 (22.2)	23.02	11.97	11.04	1.15	19.27	10.11	1.35	17.40	9.21	1.59	15.58	8.32	1.87
560	57 (13.9)	18.49	18.49	17.17	1.19	15.81	15.81	1.39	14.43	14.43	1.62	13.07	13.07	2.21
	62 (16.7)	19.05	17.65	16.42	1.19	15.96	15.15	1.39	14.46	14.46	1.62	13.09	13.09	2.21
	63 (17.2)††	19.40	14.41	13.35	1.19	16.19	12.29	1.39	14.55	11.24	1.62	12.96	10.23	1.89
	67 (19.4)	21.08	15.07	13.99	1.17	17.61	12.90	1.37	15.87	11.83	1.61	14.16	10.80	1.88
	72 (22.2)	23.38	12.35	11.41	1.15	19.54	10.45	1.35	17.63	9.50	1.59	15.78	8.60	1.87
640	57 (13.9)	19.40	19.40	18.00	1.20	16.55	16.55	1.40	15.08	15.08	1.63	13.64	13.64	2.22
	62 (16.7)	19.63	18.98	17.96	1.20	16.57	16.57	1.40	15.11	15.11	1.63	13.67	13.67	2.22
	63 (17.2)††	19.92	15.40	14.29	1.20	16.58	13.16	1.40	14.89	12.06	1.63	13.25	10.97	1.91
	67 (19.4)	21.63	16.14	14.99	1.18	18.02	13.84	1.38	16.21	12.71	1.62	14.45	11.61	1.90
	72 (22.2)	23.96	13.07	12.06	1.16	19.98	11.05	1.36	18.01	10.06	1.60	16.09	9.12	1.88

See notes on pg. 20

DETAILED COOLING CAPACITIES# CONTINUED

PH16N0A024***B Outdoor Section With FV4CNF002 Indoor Section										
Cooling Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model					
*FV4CNF002	1.00	1.00	1.00	1.00	PG8*VA048090					
FV4CN(B)F003	1.00	0.98	1.00	0.99	PG8*VA048090					
CAP**2414A**	0.97	1.09	0.97	1.18	PG8*VA048090					
CAP**2417A**	0.97	1.09	0.97	1.18	PG8*VA048090					
CAP**3014A**	0.97	1.09	0.97	1.18	PG8*VA048090					
CAP**3017A**	0.97	1.09	0.97	1.18	PG8*VA048090					
CAP**3614A**	0.98	1.10	0.97	1.18	PG8*VA048090					
CAP**3617A**	0.98	1.10	0.97	1.18	PG8*VA048090					
CAP**3621A**	0.98	1.10	0.97	1.18	PG8*VA048090					
CNPV*2417A**	0.98	1.09	0.97	1.18	PG8*VA060110					
CNPV*3017A**	0.97	1.09	0.97	1.18	PG8*VA060110					
CNPV*3617A**	0.97	1.09	0.97	1.18	PG8*VA060110					
CNPV*2414A**	0.98	1.08	0.98	1.18	PG8*VA060110					
CNPV*2417A**	0.97	1.09	0.98	1.18	PG8*VA060110					
CNPV*3014A**	0.97	1.09	0.97	1.18	PG8*VA060110					
CNPV*3017A**	0.97	1.09	0.97	1.18	PG8*VA060110					
CNPV*3612A**	0.99	1.02	1.00	1.02	PG8*VA066135					
CNPV*3614A**	0.98	1.01	0.97	1.18	PG8*VA066135					
CNPV*3617A**	0.97	1.09	0.97	1.18	PG8*VA066135					
CNPV*3621A**	0.97	1.09	0.97	1.18	PG8*VA066135					
CNPV*3624A**	0.98	1.02	1.00	1.02	PG8*VA066135					
CNPV*3612A**	0.98	1.01	1.00	1.04	PG8*VA066135					
CNPV*2417A**	0.98	1.01	1.00	1.04	PG8*VA066135					
CNPV*3017A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3617A**	0.98	1.01	1.01	1.03	PG8*VA066135					
CNPV*3621A**	0									

See notes on pg. 20

DETAILED COOLING CAPACITIES# CONTINUED

PH16NA

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
CFM	EWB °F (°C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**	Capacity MBtuHt		Total System KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
900	57 (13.9)	33.59	33.59	2.10	32.13	32.13	2.36	30.60	30.60	2.67	28.98	28.98	3.03	27.24	27.24	3.44	25.34	25.34	3.90
	62 (16.7)	35.79	30.52	2.13	33.92	29.55	2.38	31.98	28.55	2.68	29.95	27.51	3.03	27.78	26.41	3.44	25.47	25.23	3.91
	63 (17.2)††	36.56	25.27	2.13	34.65	24.34	2.39	32.68	23.39	2.69	30.59	22.40	3.04	28.37	21.35	3.44	25.95	20.24	3.91
	67 (19.4)	39.56	26.24	2.16	37.50	25.30	2.41	35.38	24.34	2.71	33.12	23.34	3.06	30.72	22.28	3.47	28.13	21.16	3.93
	72 (22.2)	43.66	21.83	2.21	41.43	20.94	2.45	39.09	20.03	2.74	36.82	19.09	3.09	34.00	18.05	3.50	31.17	16.98	3.96
	57 (13.9)	34.66	34.66	2.12	33.12	33.12	2.38	31.53	31.53	2.69	29.83	29.83	3.04	28.02	28.02	3.45	26.04	26.04	3.92
975	62 (16.7)	36.45	31.93	2.14	34.52	30.93	2.39	32.54	29.91	2.69	30.44	28.83	3.05	28.25	27.68	3.45	26.08	26.08	3.92
	63 (17.2)††	37.23	26.25	2.15	35.26	25.31	2.40	33.22	24.33	2.70	31.07	23.32	3.05	28.78	22.25	3.46	26.30	21.12	3.92
	67 (19.4)	40.24	27.28	2.18	38.13	26.33	2.43	35.92	25.34	2.72	33.61	24.32	3.07	31.14	23.24	3.48	28.48	22.10	3.95
	72 (22.2)	44.40	22.51	2.22	42.08	21.60	2.46	39.68	20.67	2.76	37.15	19.70	3.10	34.44	18.66	3.51	31.56	17.58	3.98
	57 (13.9)	35.64	35.64	2.14	34.03	34.03	2.40	32.38	32.38	2.70	30.61	30.61	3.06	28.73	28.73	3.47	26.66	26.66	3.94
	62 (16.7)	37.04	33.31	2.16	35.06	32.28	2.41	33.03	31.22	2.71	30.91	30.11	3.06	28.77	28.77	3.47	26.70	26.70	3.94
1050	63 (17.2)††	37.80	27.21	2.16	35.78	26.24	2.41	33.69	25.26	2.71	31.48	24.22	3.07	29.13	23.13	3.47	26.60	21.97	3.94
	67 (19.4)	40.84	28.30	2.20	38.66	27.32	2.44	36.40	26.32	2.74	34.03	25.28	3.09	31.49	24.18	3.49	28.79	23.03	3.96
	72 (22.2)	45.03	23.16	2.24	42.65	22.24	2.48	40.20	21.29	2.77	37.80	20.30	3.12	34.83	19.26	3.52	31.88	18.16	3.99
	57 (13.9)	37.35	37.35	2.18	35.63	35.63	2.43	33.86	33.86	2.74	31.97	31.97	3.09	29.94	29.94	3.50	27.74	27.74	3.97
	62 (16.7)	38.04	35.95	2.19	36.01	34.85	2.44	33.95	33.86	2.74	32.02	32.02	3.09	29.98	29.98	3.50	27.78	27.78	3.97
	63 (17.2)††	38.75	29.06	2.19	36.63	28.06	2.44	34.43	27.03	2.74	32.13	25.96	3.09	29.69	24.84	3.50	27.07	23.64	3.96
1200	67 (19.4)	41.80	30.27	2.23	39.53	29.26	2.47	37.17	28.23	2.76	34.71	27.15	3.11	32.08	26.02	3.52	29.28	24.82	3.99
	72 (22.2)	46.06	24.41	2.27	43.58	23.47	2.51	41.01	22.49	2.80	38.32	21.48	3.15	35.44	20.41	3.55	32.39	19.28	4.02
PH16NA036***B Outdoor Section With FV4CNB006 Indoor Section – HI																			
PH16NA036***B Outdoor Section With FV4CNB006 Indoor Section – LO																			
720	57 (13.9)	25.97	25.97	1.44	24.13	24.13	1.73	22.32	22.32	2.06	20.47	20.47	2.46	18.58	18.58	2.93	16.64	16.64	3.49
	62 (16.7)	27.04	24.32	1.44	24.89	22.65	1.72	22.77	21.00	2.06	20.65	19.36	2.46	18.62	18.62	2.93	16.67	16.67	3.49
	63 (17.2)††	27.62	19.90	1.43	25.41	18.43	1.72	23.23	17.00	2.05	21.04	15.58	2.46	18.80	14.16	2.93	16.53	12.76	3.49
	67 (19.4)	30.03	20.80	1.41	27.65	19.26	1.70	25.29	17.79	2.04	22.92	16.32	2.44	20.50	14.87	2.91	18.05	13.43	3.47
	72 (22.2)	33.45	17.17	1.38	30.80	15.82	1.67	28.18	14.50	2.01	25.56	13.21	2.41	22.91	11.93	2.88	20.21	10.66	3.44
	57 (13.9)	26.78	26.78	1.44	24.87	24.87	1.72	22.98	22.98	2.06	21.07	21.07	2.46	19.11	19.11	2.93	17.10	17.10	3.49
780	62 (16.7)	27.53	25.51	1.44	25.33	23.77	1.72	23.18	22.04	2.06	21.11	21.11	2.46	19.14	19.14	2.93	17.13	17.13	3.49
	63 (17.2)††	28.09	20.73	1.43	25.83	19.21	1.72	23.59	17.73	2.06	21.34	16.26	2.46	19.06	14.80	2.94	16.73	13.35	3.50
	67 (19.4)	30.55	21.66	1.41	28.10	20.10	1.70	25.67	18.57	2.04	23.25	17.06	2.44	20.78	15.56	2.91	18.28	14.07	3.47
	72 (22.2)	34.02	17.75	1.39	31.29	16.36	1.68	28.60	15.01	2.02	25.92	13.69	2.42	23.21	12.37	2.89	20.45	11.08	3.44
	57 (13.9)	27.53	27.53	1.44	25.56	25.56	1.72	23.60	23.60	2.06	21.61	21.61	2.46	19.59	19.59	2.93	17.51	17.51	3.49
	62 (16.7)	27.98	26.67	1.44	25.76	24.84	1.72	23.64	23.64	2.06	21.65	21.65	2.46	19.63	19.63	2.93	17.54	17.54	3.49
840	63 (17.2)††	28.51	21.54	1.43	26.20	19.98	1.72	23.91	18.45	2.06	21.61	16.93	2.46	19.29	15.43	2.94	16.92	13.93	3.50
	67 (19.4)	31.00	22.53	1.41	28.48	20.92	1.70	26.01	19.34	2.04	23.53	17.78	2.44	21.02	16.24	2.92	18.47	14.70	3.47
	72 (22.2)	34.49	18.31	1.39	31.71	16.89	1.68	28.96	15.51	2.02	26.22	14.15	2.42	23.45	12.81	2.89	20.65	11.48	3.44
	57 (13.9)	28.86	28.86	1.44	26.76	26.76	1.73	24.68	24.68	2.06	22.57	22.57	2.46	20.43	20.43	2.94	18.24	18.24	3.49
	62 (16.7)	28.91	28.91	1.44	26.80	26.80	1.73	24.72	24.72	2.06	22.61	22.61	2.46	20.47	20.47	2.94	18.27	18.27	3.49
	63 (17.2)††	29.20	23.11	1.42	26.80	21.46	1.73	24.44	19.84	2.07	22.06	18.24	2.47	19.67	16.65	2.95	17.25	15.06	3.51
960	67 (19.4)	31.73	24.22	1.42	29.12	22.52	1.71	26.56	20.85	2.05	23.99	19.19	2.45	21.42	17.56	2.92	18.80	15.93	3.48
	72 (22.2)	35.28	19.40	1.39	32.39	17.92	1.68	29.55	16.47	2.02	26.71	15.05	2.42	23.87	13.65	2.90	20.98	12.26	3.45

See notes on pg. 20

DETAILED COOLING CAPACITIES# CONTINUED

PH16NA036****B Outdoor Section With FV4CNB006 Indoor Section

Cooling Indoor Model				Cooling Indoor Model				Cooling Indoor Model				Cooling Indoor Model			
High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model	High Speed Cap.	Power	Low Speed Cap.	Furnace Model	High Speed Cap.	Power	Low Speed Cap.	Furnace Model	High Speed Cap.	Power	Low Speed Cap.
*FV4CNB006	1.00	1.00	1.00	1.00	CNPH*3617A**	0.96	1.02	0.97	1.08	PG8*EA048090	CNPH*3617A**	0.96	1.06	0.94	1.04
FV4CN(B)F003	0.97	1.01	0.97	1.03	CNPH*4221A**	0.97	1.03	0.98	1.08	PG8*EA048090	CNPH*4221A**	0.97	1.07	0.94	1.04
FV4CN(B)F005	1.00	1.02	0.99	1.01	CNPH*4821A**	0.99	1.05	1.01	1.07	PG8*EA048090	CNPH*4821A**	0.97	1.07	0.95	1.04
FV4CNF002	0.96	1.02	0.97	1.06	CNPH*3621A**	0.96	1.05	0.97	1.09	PG8*EA048090	CNPH*3621A**	0.98	1.07	0.96	1.04
CAP**3614A**	0.95	1.11	0.94	1.20	CNPH*4221A**	0.97	1.03	0.98	1.08	PG8*EA048090	CNPH*4221A**	0.98	1.07	0.95	1.04
CAP**3617A**	0.95	1.11	0.94	1.20	CNPH*4821A**	0.99	1.04	1.01	1.07	PG8*EA048090	CNPH*3617A**	0.95	1.05	0.94	1.05
CAP**3621A**	0.95	1.11	0.94	1.20	CNPH*4824A**	0.99	1.04	1.01	1.07	PG8*EA048090	CNPH*4221A**	0.97	1.07	0.94	1.04
CAP**4221A**	0.96	1.11	0.95	1.20	CSRH*3612A**	0.98	1.03	0.99	1.08	PG8*EA048090	CNPH*4821A**	0.98	1.07	0.96	1.04
CAP**4224A**	0.96	1.11	0.95	1.20	CSRH*4212A**	0.99	1.04	1.00	1.07	PG8*EA048090	CNPH*3617A**	0.95	1.05	0.94	1.05
CAP**4817A**	0.97	1.11	0.97	1.19	CSRH*4812A**	0.99	1.04	1.01	1.07	PG8*EA048090	CNPH*4821A**	0.98	1.07	0.96	1.04
CAP**4821A**	0.97	1.12	0.96	1.20	CAP**3614A**	0.95	1.05	0.96	1.08	PG8*EA036070	CNPH*4212A**	0.97	1.08	0.95	1.04
CAP**4824A**	0.97	1.12	0.96	1.20	CAP**3617A**	0.95	1.04	0.96	1.08	PG8*EA036070	CNPH*4221A**	0.97	1.07	0.94	1.04
CNPH*3617A**	0.95	1.11	0.94	1.20	CAP**4817A**	0.98	1.04	0.99	1.07	PG8*EA036070	CNPH*4821A**	0.98	1.07	0.96	1.04
CNPH*4221A**	0.96	1.11	0.95	1.21	CNPH*3617A**	0.95	1.05	0.96	1.08	PG8*EA036070	CSRH*3612A**	0.98	1.07	0.95	1.04
CNPH*4821A**	0.97	1.10	0.97	1.20	CNPH*3617A**	0.95	1.05	0.96	1.08	PG8*EA036070	CSRH*4212A**	0.98	1.07	0.96	1.04
CNPH*4824A**	0.97	1.10	0.97	1.20	CNPH*4217A**	0.97	1.05	0.97	1.07	PG8*EA036070	CSRH*4812A**	0.98	1.08	0.97	1.04
CNPH*3621A**	0.95	1.11	0.94	1.20	CSRH*3612A**	0.97	1.06	0.98	1.07	PG8*EA036070	CAP**3617A**	0.96	1.06	0.98	1.12
CNPH*4212A**	0.96	1.11	0.96	1.20	CSRH*4212A**	0.98	1.04	0.99	1.07	PG8*EA036070	CAP**4817A**	0.98	1.04	0.98	1.11
CNPH*4812A**	0.96	1.11	0.95	1.21	CSRH*4812A**	0.98	1.05	0.99	1.07	PG8*EA036070	CAP**4221A**	0.97	1.05	0.99	1.11
CNPH*4821A**	0.97	1.10	0.97	1.20	CAP**3617A**	0.96	1.04	0.96	1.05	PG8*EA048090	CAP**4817A**	0.98	1.07	1.01	1.11
CNPH*4824A**	0.97	1.10	0.97	1.20	CAP**3621A**	0.96	1.02	0.96	1.04	PG8*EA048090	CAP**4821A**	0.98	1.07	1.01	1.11
CSRH*3612A**	0.97	1.12	0.96	1.20	CAP**4221A**	0.96	1.02	0.97	1.04	PG8*EA048090	CNPH*3617A**	0.95	1.05	0.97	1.12
CSRH*4212A**	0.97	1.11	0.97	1.20	CNPH*3617A**	0.98	1.02	0.98	1.04	PG8*EA048090	CNPH*4217A**	0.96	1.05	0.99	1.12
CSRH*4812A**	0.98	1.11	0.97	1.20	CNPH*4217A**	0.98	1.04	0.98	1.05	PG8*EA048090	CNPH*4821A**	0.98	1.05	1.01	1.12
CAP**3614A**	0.95	1.10	0.94	1.06	CNPH*4221A**	0.97	1.03	0.97	1.04	PG8*EA048090	CNPH*3617A**	0.95	1.05	0.97	1.12
CAP**3617A**	0.96	1.09	0.94	1.05	CNPH*4821A**	0.98	1.03	0.97	1.04	PG8*EA048090	CNPH*4821A**	0.98	1.05	0.97	1.12
CAP**4817A**	0.98	1.09	0.97	1.05	CNPH*4824A**	0.98	1.03	0.99	1.04	PG8*EA048090	CNPH*4217A**	0.96	1.06	0.99	1.11
CNPH*3617A**	0.95	1.10	0.94	1.06	CNPH*3617A**	0.96	1.04	0.96	1.05	PG8*EA048090	CNPH*4221A**	0.98	1.05	0.99	1.12
CNPH*4221A**	0.96	1.09	0.95	1.05	CNPH*3621A**	0.96	1.04	0.96	1.05	PG8*EA048090	CNPH*4821A**	0.98	1.05	1.01	1.12
CNPH*4821A**	0.98	1.09	0.94	1.06	CNPH*4217A**	0.97	1.03	0.98	1.05	PG8*EA048090	CSRH*3612A**	0.98	1.04	1.00	1.12
CNPH*4824A**	0.95	1.10	0.94	1.06	CNPH*4221A**	0.97	1.03	0.97	1.04	PG8*EA048090	CSRH*4212A**	0.98	1.05	1.01	1.12
CNPH*3617A**	0.97	1.08	0.95	1.05	CNPH*4821A**	0.98	1.02	0.99	1.04	PG8*EA048090	CSRH*4812A**	0.98	1.05	1.01	1.12
CNPH*4221A**	0.98	1.08	0.96	1.05	CSRH*3612A**	0.98	1.04	0.98	1.04	PG8*EA048090	CAP**3617A**	0.95	1.08	0.97	1.10
CSRH*3612A**	0.98	1.09	0.97	1.05	CSRH*4212A**	0.98	1.03	0.99	1.03	PG8*EA048090	CAP**4817A**	0.98	1.07	1.09	1.09
CSRH*4212A**	0.98	1.09	0.97	1.04	CSRH*4812A**	0.98	1.03	0.99	1.03	PG8*EA048090	CAP**4821A**	0.98	1.07	1.09	1.09
CAP**3617A**	0.96	1.06	0.97	1.11	CAP**3621A**	0.96	1.02	0.97	1.05	PG8*EA060110	CAP**4221A**	0.98	1.07	1.09	1.09
CAP**3621A**	0.96	1.07	0.97	1.10	CAP**4221A**	0.97	1.03	0.97	1.05	PG8*EA060110	CAP**4817A**	0.98	1.06	0.99	1.09
CAP**4221A**	0.97	1.07	0.98	1.10	CAP**4824A**	0.97	1.03	0.97	1.04	PG8*EA060110	CAP**4821A**	0.98	1.07	1.09	1.09
CAP**4817A**	0.98	1.07	1.00	1.10	CAP**4821A**	0.98	1.02	0.99	1.05	PG8*EA060110	CNPH*3617A**	0.96	1.07	1.10	1.10
CAP**4821A**	0.98	1.07	0.99	1.10	CAP**4824A**	0.98	1.02	0.99	1.04	PG8*EA060110	CNPH*4217A**	0.96	1.07	0.98	1.10
CNPH*3617A**	0.95	1.05	0.97	1.11	CNPH*4221A**	0.97	1.03	0.97	1.06	PG8*EA060110	CNPH*4221A**	0.98	1.07	0.97	1.10
CNPH*4221A**	0.96	1.07	0.98	1.11	CNPH*4821A**	0.98	1.03	0.99	1.04	PG8*EA060110	CNPH*4821A**	0.98	1.07	0.99	1.09
CNPH*4821A**	0.98	1.05	1.00	1.10	CNPH*4824A**	0.98	1.03	0.99	1.04	PG8*EA060110	CSRH*3612A**	0.98	1.07	0.99	1.09
CNPH*3617A**	0.95	1.05	0.97	1.11	CSRH*3612A**	0.97	1.03	0.97	1.06	PG8*EA060110	CSRH*4212A**	0.98	1.07	0.99	1.09
CNPH*4221A**	0.96	1.07	0.98	1.11	CSRH*4212A**	0.98	1.03	0.99	1.04	PG8*EA060110	CSRH*4812A**	0.98	1.06	0.99	1.08
CNPH*4821A**	0.98	1.05	1.00	1.10	CSRH*4812A**	0.99	1.04	0.99	1.04	PG8*EA060110	CAP**3617A**	0.96	1.05	0.97	1.09
CSRH*3612A**	0.98	1.07	0.99	1.10	CAP**3614A**	0.95	1.01	0.97	1.04	PG8*EA060135	CAP**3621A**	0.98	1.05	0.98	1.08
CSRH*4212A**	0.98	1.07	0.99	1.08	CAP**4817A**	0.98	1.02	0.99	1.03	PG8*EA060135	CAP**4817A**	0.98	1.07	0.99	1.07
CSRH*4812A**	0.99	1.05	1.00	1.10	CNPH*4824A**	0.98	1.03	0.99	1.03	PG8*EA060135	CAP**4821A**	0.98	1.07	0.99	1.07
CAP**3621A**	0.97	1.03	0.98	1.08	CNPH*3612A**	0.98	1.02	0.99	1.03	PG8*EA060135	CNPH*3617A**	0.96	1.05	0.96	1.08
CAP**4221A**	0.97	1.03	0.99	1.08	CNPH*3612A**	0.98	1.03	0.99	1.03	PG8*EA060135	CNPH*4212A**	0.98	1.05	0.97	1.08
CAP**4821A**	0.98	1.04	0.99	1.07	CSRH*4212A**	0.98	1.03	0.99	1.04	PG8*EA060135	CNPH*4221A**	0.98	1.05	0.97	1.08
CAP**4824A**	0.97	1.03	0.99	1.07	CSRH*4812A**	0.99	1.04	0.99	1.04	PG8*EA060135	CNPH*4821A**	0.98	1.05	0.96	1.08
CNPH*3617A**	0.95	1.03	0.98	1.08	CAP**3614A**	0.95	1.01	0.97	1.04	PG8*EA060135	CNPH*3617A**	0.96	1.05	0.96	1.08
CNPH*4221A**	0.96	1.04	0.99	1.07	CAP**4817A**	0.98	1.02	0.99	1.03	PG8*EA060135	CNPH*4212A**	0.98	1.05	0.97	1.08
CNPH*4821A**	0.98	1.04	0.99	1.07	CNPH*4824A**	0.98	1.03	0.99	1.03	PG8*EA060135	CNPH*4821A**	0.98	1.05	0.96	1.08
CSRH*3612A**	0.98	1.04	0.99	1.07	CNPH*3612A**	0.98	1.03	0.99	1.03	PG8*EA060135	CNPH*4221A**	0.98	1.05	0.97	1.08
CSRH*4212A**	0.98	1.04	0.99	1.07	CSRH*4212A**	0.98	1.03	0.99	1.04	PG8*EA060135	CNPH*4821A**	0.98	1.05	0.96	1.08
CSRH*4812A**	0.99	1.05	1.00	1.10	CAP**3614A**	0.95	1.01	0.97	1.04	PG8*EA060135	CNPH*3617A**	0.96	1.05	0.96	1.08
CAP**3621A**	0.97	1.03	0.98	1.08	CAP**4817A**	0.98	1.02	0.99	1.03	PG8*EA060135	CNPH*4212A**	0.98	1.05	0.97	1.08
CAP**4221A**	0.97	1.03	0.99	1.08	CNPH*4824A**	0.98	1.03	0.99	1.03	PG8*EA060135	CNPH*4821A**	0.98	1.05	0.96	1.08
CAP**4821A**	0.98	1.04	0.99	1.07	CNPH*3612A**	0.98	1.03	0.99	1.04	PG8*EA060135	CNPH*4221A**	0.98	1.05	0.97	1.08
CSRH*3612A**	0.98	1.04	0.99	1.07	CSRH*4212A**	0.98	1.03	0.99	1.04	PG8*EA060135	CNPH*4821A**	0.98	1.05	0.96	1.08
CSRH*4212A**	0.98	1.04	0.99	1.07	CSRH*4812A**	0.99	1.04	0.99	1.04	PG8*EA060135	CNPH*3617A**	0.96	1.05	0.96	1.08
CSRH*4812A**	0.99	1.05	1.00	1.10	CAP**3614A**	0.95	1.01	0.97	1.04	PG8*EA060135	CNPH*4212A**	0.98	1.05	0.97	1.08
CAP**3621A**	0.97	1.03	0.98	1.08	CAP**4817A**	0.98	1.02	0.99	1.03	PG8*EA060135	CNPH*4821A**	0.98	1.05	0.96	1.08
CAP**4221A**	0.97	1.03	0.99	1.08	CNPH*4824A**	0.98	1.03	0.99	1.03	PG8*EA060135	CNPH*3617A**	0.96	1.05	0.96	1.08
CAP**4821A**	0.98	1.04	0.99	1.07	CNPH*3612A**	0.98	1.03	0.99	1.04	PG8*EA060135	CNPH*4212A**	0.98	1.05	0.97	1.08
CSRH*3612A**	0.98	1.04	0.99	1.07	CSRH*4212A**	0.98	1.03	0.99	1.04	PG8*EA060135	CNPH*4821A**	0.98	1.05	0.96	1.08
CSRH*4212A**	0.98	1.04	0.99	1.07	CSRH*4812A**	0.99	1.04	0.99	1.04	PG8*EA060135	CNPH*3617A**	0.96	1.05	0.96	1.08
CSRH*4812A**	0.99	1.05	1.00	1.10	CAP**3614A**	0.95	1.01	0.97	1.04	PG8*EA060135	CNPH*4212A**	0.98	1.05	0.97	1.08
CAP**3621A**	0.97</														

DETAILED COOLING CAPACITIES# CONTINUED

PH16NA038****B Outdoor Section With FV4CNB006 Indoor Section

Cooling Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
CNPH*4821A**	0.98	1.05	0.99	1.07	PG96VA*48080B***
CNPV*3617A**	0.95	1.05	0.96	1.09	PG96VA*48080B***
CNPV*3621A**	0.96	1.06	0.97	1.09	PG96VA*48080B***
CNPV*4217A**	0.97	1.06	0.99	1.09	PG96VA*48080B***
CNPV*4221A**	0.97	1.05	0.97	1.08	PG96VA*48080B***
CNPV*4821A**	0.98	1.05	0.99	1.07	PG96VA*48080B***
CSPH*3612A**	0.98	1.07	0.99	1.08	PG96VA*48080B***
CSPH*4212A**	0.98	1.07	0.99	1.08	PG96VA*48080B***
CSPH*4812A**	0.99	1.05	1.00	1.08	PG96VA*48080B***
CAP**3621A**	0.96	1.02	0.97	1.06	PG96VA*60080C***
CAP**4221A**	0.97	1.03	0.98	1.06	PG96VA*60080C***
CAP**4224A**	0.97	1.03	0.98	1.05	PG96VA*60080C***
CAP**4821A**	0.98	1.02	0.99	1.06	PG96VA*60080C***
CAP**4824A**	0.98	1.02	0.99	1.05	PG96VA*60080C***
CNPH*4221A**	0.96	1.02	0.98	1.07	PG96VA*60080C***
CNPH*4821A**	0.98	1.03	1.00	1.06	PG96VA*60080C***
CNPV*3621A**	0.95	1.01	0.97	1.07	PG96VA*60080C***
CNPV*4221A**	0.96	1.02	0.98	1.07	PG96VA*60080C***
CNPV*4821A**	0.98	1.03	1.00	1.06	PG96VA*60080C***
CNPV*4824A**	0.98	1.03	1.00	1.06	PG96VA*60080C***
CSPH*3612A**	0.98	1.04	0.99	1.06	PG96VA*60080C***
CSPH*4212A**	0.98	1.03	0.99	1.05	PG96VA*60080C***
CSPH*4812A**	0.98	1.03	1.00	1.06	PG96VA*60080C***
CAP**3621A**	0.96	1.02	0.97	1.05	PG96VA*60100C***
CAP**4221A**	0.97	1.03	0.98	1.05	PG96VA*60100C***
CAP**4224A**	0.97	1.03	0.98	1.05	PG96VA*60100C***
CAP**4821A**	0.98	1.02	0.99	1.05	PG96VA*60100C***
CAP**4824A**	0.98	1.02	0.99	1.05	PG96VA*60100C***
CNPH*4221A**	0.96	1.02	0.97	1.05	PG96VA*60100C***
CNPH*4821A**	0.98	1.03	0.99	1.04	PG96VA*60100C***
CNPV*3621A**	0.95	1.01	0.96	1.06	PG96VA*60100C***
CNPV*4221A**	0.96	1.02	0.97	1.05	PG96VA*60100C***
CNPV*4821A**	0.98	1.03	0.99	1.04	PG96VA*60100C***
CNPV*4824A**	0.98	1.03	0.99	1.04	PG96VA*60100C***
CSPH*3612A**	0.97	1.02	0.99	1.05	PG96VA*60100C***
CSPH*4212A**	0.98	1.05	0.99	1.05	PG96VA*60100C***
CSPH*4812A**	0.98	1.03	0.99	1.04	PG96VA*60100C***
CAP**4224A**	0.97	1.03	0.99	1.06	PG96VA*66120D***
CAP**4824A**	0.98	1.03	0.98	1.04	PG96VA*66120D***
CNPV*4824A**	0.98	1.03	1.00	1.06	PG96VA*66120D***
CSPH*3612A**	0.98	1.04	0.99	1.07	PG96VA*66120D***
CSPH*4212A**	0.98	1.03	1.00	1.06	PG96VA*66120D***
CSPH*4812A**	0.99	1.04	1.01	1.06	PG96VA*66120D***

See notes on pg. 20

DETAILED COOLING CAPACITIES# CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
CFM	EWB °F (°C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)				115 (46.1)		125 (51.7)					
		Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**						
		Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†				
PH16NA048***B Outdoor Section With FV4CN(B,P)005 Indoor Section – HI																			
1200	57 (13.9)	42.70	42.70	2.91	41.39	41.39	3.26	39.86	39.86	3.66	38.17	38.17	4.13	36.35	36.35	4.69	34.44	34.44	5.34
	62 (16.7)	45.46	39.41	2.92	43.68	38.56	3.27	41.63	37.58	3.67	39.40	36.53	4.14	37.07	35.41	4.69	34.69	34.21	5.35
	63 (17.2)††	46.41	32.56	2.93	44.59	31.70	3.28	42.48	30.72	3.68	40.18	29.67	4.15	37.76	28.58	4.70	35.25	27.48	5.35
	67 (19.4)	50.09	33.77	2.95	48.12	32.90	3.30	45.85	31.92	3.70	43.40	30.88	4.18	40.80	29.80	4.74	38.11	28.70	5.40
	72 (22.2)	55.10	27.96	2.98	52.90	27.06	3.33	50.43	26.08	3.74	47.76	25.04	4.22	44.93	23.95	4.78	41.99	22.85	5.45
1300	57 (13.9)	43.94	43.94	2.94	42.57	42.57	3.29	40.96	40.96	3.69	39.18	39.18	4.16	37.28	37.28	4.72	35.28	35.28	5.38
	62 (16.7)	46.21	41.13	2.95	44.38	40.25	3.30	42.26	39.25	3.70	39.98	38.15	4.17	37.61	36.96	4.72	35.34	35.34	5.38
	63 (17.2)††	47.15	33.75	2.96	45.26	32.87	3.31	43.09	31.87	3.71	40.71	30.81	4.18	38.22	29.71	4.73	35.64	28.59	5.38
	67 (19.4)	50.86	35.03	2.98	48.81	34.14	3.33	46.48	33.15	3.73	43.94	32.10	4.21	41.27	31.01	4.77	38.51	29.90	5.43
	72 (22.2)	55.89	28.74	3.00	53.62	27.84	3.36	51.07	26.84	3.77	48.32	25.79	4.25	45.41	24.70	4.81	42.39	23.58	5.48
1400	57 (13.9)	45.06	45.06	2.97	43.63	43.63	3.32	41.94	41.94	3.72	40.09	40.09	4.19	38.12	38.12	4.75	36.04	36.04	5.42
	62 (16.7)	46.88	42.78	2.98	44.98	41.87	3.33	42.83	40.84	3.73	40.51	39.67	4.20	38.18	38.18	4.75	36.09	36.09	5.42
	63 (17.2)††	47.79	34.89	2.98	45.84	34.00	3.33	43.60	32.99	3.73	41.16	31.92	4.20	38.61	30.81	4.76	35.98	29.67	5.41
	67 (19.4)	51.52	36.24	3.00	49.40	35.35	3.35	47.00	34.35	3.76	44.39	33.28	4.23	41.67	32.19	4.79	38.84	31.06	5.46
	72 (22.2)	56.57	29.50	3.03	54.24	28.58	3.38	51.61	27.58	3.79	48.79	26.52	4.27	45.81	25.41	4.84	42.73	24.30	5.51
1600	57 (13.9)	47.01	47.01	3.02	45.45	45.45	3.38	43.64	43.64	3.78	41.65	41.65	4.26	39.54	39.54	4.82	37.32	37.32	5.48
	62 (16.7)	48.00	45.88	3.03	46.04	44.90	3.38	43.86	43.45	3.78	41.71	41.71	4.26	39.60	39.60	4.82	37.36	37.36	5.49
	63 (17.2)††	48.82	37.08	3.03	46.76	36.17	3.38	44.42	35.15	3.79	41.88	34.05	4.26	39.24	32.91	4.81	36.51	31.74	5.47
	67 (19.4)	52.57	38.58	3.05	50.34	37.67	3.41	47.82	36.66	3.81	45.12	35.57	4.29	42.28	34.45	4.85	39.37	33.30	5.51
	72 (22.2)	57.65	30.93	3.08	55.20	30.01	3.43	52.47	28.99	3.85	49.53	27.91	4.33	46.44	26.80	4.90	43.25	25.67	5.57
PH16NA048***B Outdoor Section With FV4CN(B,P)005 Indoor Section – LO																			
960	57 (13.9)	33.65	33.65	1.99	30.83	30.83	2.34	27.95	27.95	2.75	25.05	25.05	3.21	22.16	22.16	3.75	19.33	19.33	4.36
	62 (16.7)	35.08	31.64	1.98	31.83	29.19	2.33	28.52	26.72	2.74	25.24	24.22	3.21	22.20	22.20	3.74	19.36	19.36	4.36
	63 (17.2)††	35.83	25.87	1.98	32.50	23.75	2.33	29.09	21.61	2.74	25.67	19.49	3.20	22.29	17.41	3.74	18.99	15.39	4.37
	67 (19.4)	38.99	27.02	1.95	35.42	24.85	2.30	31.77	22.66	2.71	28.12	20.50	3.18	24.49	18.37	3.72	20.96	16.30	4.34
	72 (22.2)	43.33	22.27	1.92	39.42	20.37	2.27	35.44	18.46	2.68	31.46	16.57	3.15	27.50	14.72	3.69	23.63	12.93	4.31
1040	57 (13.9)	34.67	34.67	2.00	31.75	31.75	2.35	28.77	28.77	2.75	25.77	25.77	3.21	22.79	22.79	3.75	19.87	19.87	4.37
	62 (16.7)	35.69	33.12	1.99	32.38	30.56	2.34	29.03	27.96	2.75	25.82	25.82	3.21	22.83	22.83	3.75	19.90	19.90	4.37
	63 (17.2)††	36.41	26.91	1.98	33.00	24.72	2.34	29.53	22.52	2.74	26.04	20.33	3.21	22.60	18.19	3.75	19.24	16.10	4.38
	67 (19.4)	39.61	28.13	1.96	35.95	25.88	2.31	32.23	23.63	2.72	28.49	21.39	3.19	24.81	19.20	3.73	21.21	17.07	4.35
	72 (22.2)	44.00	22.98	1.93	40.00	21.03	2.28	35.94	19.08	2.69	31.87	17.14	3.16	27.85	15.25	3.70	23.90	13.41	4.32
1120	57 (13.9)	35.59	35.59	2.00	32.58	32.58	2.35	29.51	29.51	2.75	26.43	26.43	3.22	23.36	23.36	3.76	20.35	20.35	4.38
	62 (16.7)	36.25	34.53	2.00	32.90	31.86	2.35	29.57	29.57	2.75	26.47	26.47	3.22	23.40	23.40	3.76	20.38	20.38	4.37
	63 (17.2)††	36.91	27.91	1.99	33.44	25.66	2.35	29.91	23.39	2.75	26.37	21.15	3.22	22.86	18.93	3.76	19.46	16.78	4.39
	67 (19.4)	40.13	29.21	1.97	36.41	26.89	2.32	32.62	24.57	2.73	28.82	22.27	3.20	25.08	20.01	3.74	21.43	17.81	4.36
	72 (22.2)	44.57	23.67	1.93	40.50	21.67	2.29	36.36	19.67	2.70	32.23	17.70	3.17	28.14	15.76	3.71	24.13	13.88	4.33
1280	57 (13.9)	37.21	37.21	2.01	34.04	34.04	2.36	30.81	30.81	2.77	27.57	27.57	3.23	24.35	24.35	3.77	21.18	21.18	4.39
	62 (16.7)	37.28	37.28	2.01	34.09	34.09	2.36	30.86	30.86	2.77	27.62	27.62	3.23	24.38	24.38	3.77	21.21	21.21	4.39
	63 (17.2)††	37.74	29.85	2.01	34.16	27.47	2.36	30.54	25.09	2.77	26.89	22.71	3.24	23.31	20.37	3.78	19.84	18.07	4.41
	67 (19.4)	40.98	31.28	1.98	37.14	28.84	2.34	33.25	26.39	2.75	29.36	23.96	3.22	25.52	21.56	3.76	21.80	19.22	4.38
	72 (22.2)	45.50	24.98	1.95	41.30	22.90	2.31	37.06	20.82	2.72	32.80	18.76	3.19	28.59	16.75	3.73	24.49	14.79	4.35

See notes on pg. 20

PH16NA

DETAILED COOLING CAPACITIES# CONTINUED

PH16NA

PH16NA048****B Outdoor Section With FV4C(NB,F)005 Indoor Section

Cooling Indoor Model			Furnace Model			Cooling Indoor Model			Furnace Model			Cooling Indoor Model			Furnace Model			Cooling Indoor Model			Furnace Model		
High Speed Cap.	Power	Low Speed Cap.	Power	Low Speed Cap.	Power	High Speed Cap.	Power	Low Speed Cap.	Power	Low Speed Cap.	Power	High Speed Cap.	Power	Low Speed Cap.	Power	High Speed Cap.	Power	Low Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model	
*FV4C(NB,F)005	1.00	1.00	1.00	1.00	1.00	CNVP**6024A**	0.99	1.01	1.00	1.03	PG8*VA060110	CNVP**6024A**	0.99	1.01	1.00	1.03	PG8*VA060110	CNVP**6024A**	0.96	1.00	0.97	1.03	PG96V/A*60080C***
FV4C(NB)006	1.01	0.99	1.01	0.98	1.01	CSPH*4812A**	0.98	1.02	1.00	1.06	PG8*VA060110	CSPH*4812A**	0.98	1.02	1.00	1.06	PG8*VA060110	CAP**4824A**	0.96	1.00	0.97	1.03	PG96V/A*60080C***
CAP**4817A**	0.97	1.05	0.97	1.14	1.01	CSPH*6012A**	0.99	1.01	1.01	1.04	PG8*VA060110	CSPH*6012A**	0.99	1.01	1.01	1.04	PG8*VA060110	CAP**6021A**	0.98	1.00	0.99	1.03	PG96V/A*60080C***
CAP**4821A**	0.96	1.06	0.96	1.14	1.01	CAP**4824A**	0.97	1.01	0.99	1.02	PG8*VA060135	CAP**4824A**	0.97	1.01	0.99	1.02	PG8*VA060135	CAP**6024A**	0.98	1.00	0.99	1.03	PG96V/A*60080C***
CAP**4824A**	0.96	1.06	0.96	1.14	1.01	CAP**6024A**	0.99	1.01	1.00	1.02	PG8*VA060135	CAP**6024A**	0.99	1.01	1.00	1.02	PG8*VA060135	CNPH*4821A**	0.96	1.00	0.99	1.04	PG96V/A*60080C***
CAP**6021A**	0.98	1.06	0.97	1.14	1.01	CNPH*6024A**	0.99	0.99	1.00	1.01	PG8*VA060135	CNPH*6024A**	0.99	0.99	1.00	1.01	PG8*VA060135	CNPH*6024A**	0.98	0.98	1.00	1.03	PG96V/A*60080C***
CAP**6024A**	0.98	1.06	0.97	1.14	1.01	CNVP*4824A**	0.99	1.00	1.00	1.03	PG8*VA060135	CNVP*4824A**	0.99	1.00	1.00	1.03	PG8*VA060135	CNVP*4821A**	0.96	1.00	0.99	1.04	PG96V/A*60080C***
CNPH*6024A**	0.97	1.07	0.97	1.06	1.01	CNVP*6024A**	0.98	0.99	1.00	1.01	PG8*VA060135	CNVP*6024A**	0.98	0.99	1.00	1.01	PG8*VA060135	CNVP*4824A**	0.96	1.00	0.99	1.04	PG96V/A*60080C***
CNVP*4821A**	0.97	1.07	0.97	1.06	1.01	CSRH*4812A**	0.98	1.02	1.00	1.04	PG8*VA060135	CSRH*4812A**	0.98	1.02	1.00	1.04	PG8*VA060135	CSPH*4812A**	0.97	1.01	0.99	1.04	PG96V/A*60080C***
CNVP*4824A**	0.97	1.07	0.99	1.05	1.01	CAP**4817A**	0.97	1.07	0.97	1.05	PG95XA*48080B***	CAP**4817A**	0.97	1.07	0.97	1.05	PG95XA*48080B***	CSPH*6012A**	0.98	0.98	1.00	1.03	PG96V/A*60080C***
CNVP*6024A**	0.98	1.06	0.99	1.04	1.01	CAP**4821A**	0.96	1.06	0.96	1.04	PG95XA*48080B***	CAP**4821A**	0.96	1.06	0.96	1.04	PG95XA*48080B***	CSPH*4821A**	0.95	0.99	1.03	1.03	PG96V/A*60100C***
CSRH*4812A**	0.99	1.08	0.97	1.14	1.01	CAP**6021A**	0.98	1.06	0.97	1.04	PG95XA*48080B***	CAP**6021A**	0.98	1.06	0.97	1.04	PG95XA*48080B***	CAP**4824A**	0.96	1.00	0.97	1.02	PG96V/A*60100C***
CSRH*6012A**	1.01	1.10	0.99	1.14	1.01	CNPH*4821A**	0.97	1.07	0.97	1.05	PG95XA*48080B***	CNPH*4821A**	0.97	1.07	0.97	1.05	PG95XA*48080B***	CAP**6021A**	0.98	1.00	0.99	1.03	PG96V/A*60100C***
CNPH*4821A**	0.97	1.08	0.97	1.06	1.01	CNPH*6024A**	0.98	1.06	0.99	1.05	PG95XA*48080B***	CNPH*6024A**	0.98	1.06	0.99	1.05	PG95XA*48080B***	CAP**6024A**	0.96	1.00	0.99	1.03	PG96V/A*60100C***
CNPH*6024A**	0.98	1.08	0.99	1.06	1.01	CNVP*4812A**	0.97	1.07	0.97	1.05	PG95XA*48080B***	CNVP*4812A**	0.97	1.07	0.97	1.05	PG95XA*48080B***	CNPH*4821A**	0.96	1.00	0.97	1.02	PG96V/A*60100C***
CNVP*4812A**	0.97	1.08	0.97	1.06	1.01	CSRH*4812A**	0.99	1.05	0.97	1.05	PG95XA*48080B***	CSRH*4812A**	0.99	1.05	0.97	1.05	PG95XA*48080B***	CNPH*6024A**	0.98	0.98	0.99	1.02	PG96V/A*60100C***
CSRH*4812A**	0.97	1.08	0.97	1.06	1.01	CSRH*6012A**	0.99	1.06	0.99	1.04	PG95XA*48080B***	CSRH*6012A**	0.99	1.06	0.99	1.04	PG95XA*48080B***	CNVP*4821A**	0.96	1.00	0.97	1.02	PG96V/A*60100C***
CSRH*6012A**	0.99	1.09	0.99	1.05	1.01	CAP**4821A**	0.97	1.03	0.99	1.07	PG95XA*60080C***	CAP**4821A**	0.97	1.03	0.99	1.07	PG95XA*60080C***	CNVP*4824A**	0.96	1.00	0.97	1.02	PG96V/A*60100C***
CNPH*4821A**	0.98	1.02	0.99	1.02	1.01	CAP**4824A**	0.97	1.03	1.00	1.12	PG95XA*60080C***	CAP**4824A**	0.97	1.03	1.00	1.12	PG95XA*60080C***	CNVP*6024A**	0.98	0.98	1.00	1.02	PG96V/A*60100C***
CNPH*6024A**	0.99	1.01	1.00	1.02	1.01	CAP**6021A**	0.99	1.03	1.00	1.06	PG95XA*60080C***	CAP**6021A**	0.99	1.03	1.00	1.06	PG95XA*60080C***	CSPH*4812A**	0.96	1.00	0.99	1.03	PG96V/A*60100C***
CNVP*4821A**	0.98	1.02	0.99	1.02	1.01	CAP**6024A**	0.99	1.03	1.01	1.07	PG95XA*60080C***	CAP**6024A**	0.99	1.03	1.01	1.07	PG95XA*60080C***	CSPH*6012A**	0.98	0.98	1.00	1.02	PG96V/A*60100C***
CNVP*6024A**	0.99	1.02	0.99	1.02	1.01	CNPH*4821A**	0.98	1.02	1.00	1.07	PG95XA*60080C***	CNPH*4821A**	0.98	1.02	1.00	1.07	PG95XA*60080C***	CAP**4824A**	0.96	1.00	0.97	1.02	PG96V/A*66120D***
CSRH*4812A**	0.99	1.01	1.00	1.02	1.01	CNPH*6024A**	0.99	1.03	1.01	1.07	PG95XA*60080C***	CNPH*6024A**	0.99	1.03	1.01	1.07	PG95XA*60080C***	CAP**6024A**	0.98	1.00	0.99	1.02	PG96V/A*66120D***
CSRH*4812A**	0.98	1.02	0.99	1.02	1.01	CNVP*4821A**	0.98	1.02	1.00	1.07	PG95XA*60080C***	CNVP*4821A**	0.98	1.02	1.00	1.07	PG95XA*60080C***	CNVP*4824A**	0.97	1.01	0.99	1.03	PG96V/A*66120D***
CNVP*4821A**	0.98	1.02	1.00	1.01	1.01	CNVP*4824A**	0.98	1.02	1.00	1.07	PG95XA*60080C***	CNVP*4824A**	0.98	1.02	1.00	1.07	PG95XA*60080C***	CNVP*4821A**	0.96	1.00	0.99	1.03	PG96V/A*66120D***
CSRH*4812A**	1.00	1.02	1.00	1.01	1.01	CNVP*6024A**	0.99	1.03	1.01	1.07	PG95XA*60080C***	CNVP*6024A**	0.99	1.03	1.01	1.07	PG95XA*60080C***	CSPH*4812A**	0.98	0.98	1.00	1.03	PG96V/A*66120D***
CNPH*4821A**	0.98	1.00	0.99	1.01	1.01	CSRH*4812A**	0.98	1.02	1.00	1.07	PG95XA*60080C***	CSRH*4812A**	0.98	1.02	1.00	1.07	PG95XA*60080C***	CSPH*6012A**	0.97	1.01	0.99	1.03	PG96V/A*66120D***
CNPH*6024A**	0.99	1.01	1.00	1.02	1.01	CAP**6024A**	0.99	1.01	1.00	1.04	PG95XA*60100C***	CAP**6024A**	0.99	1.01	1.00	1.04	PG95XA*60100C***	CNVP*4824A**	0.97	1.01	0.99	1.03	PG96V/A*66120D***
CSRH*4812A**	0.98	1.02	1.00	1.05	1.04	CAP**6021A**	0.99	1.01	1.00	1.05	PG95XA*60100C***	CAP**6021A**	0.99	1.01	1.00	1.05	PG95XA*60100C***	CNVP*4821A**	0.96	1.00	0.99	1.03	PG96V/A*66120D***
CNVP*4821A**	0.98	1.02	1.00	1.05	1.04	CNPH*6024A**	0.98	1.02	0.99	1.04	PG95XA*60100C***	CNPH*6024A**	0.98	1.02	0.99	1.04	PG95XA*60100C***	CSPH*4812A**	0.97	1.01	0.99	1.03	PG96V/A*66120D***
CNVP*4824A**	0.98	1.02	1.00	1.05	1.04	CNVP*4824A**	0.98	1.02	0.99	1.04	PG95XA*60100C***	CNVP*4824A**	0.98	1.02	0.99	1.04	PG95XA*60100C***	CSPH*4821A**	0.97	1.01	0.99	1.03	PG96V/A*66120D***
CSRH*4812A**	0.98	1.02	1.00	1.05	1.04	CNVP*6024A**	0.99	1.03	1.01	1.07	PG95XA*60100C***	CNVP*6024A**	0.99	1.03	1.01	1.07	PG95XA*60100C***	CSPH*6012A**	0.98	0.98	1.00	1.03	PG96V/A*66120D***
CAP**4817A**	0.97	1.03	1.00	1.06	1.01	CAP**4824A**	0.97	1.01	1.00	1.08	PG95XA*66120D***	CAP**4824A**	0.97	1.01	1.00	1.08	PG95XA*66120D***	CNVP*4824A**	0.97	1.01	0.99	1.03	PG96V/A*66120D***
CAP**6021A**	0.97	1.03	0.99	1.06	1.01	CAP**4821A**	0.98	1.02	1.00	1.07	PG95XA*66120D***	CAP**4821A**	0.98	1.02	1.00	1.07	PG95XA*66120D***	CNVP*4821A**	0.96	1.00	0.99	1.03	PG96V/A*66120D***
CNPH*4821A**	0.97	1.03	0.99	1.05	1.04	CNPH*4821A**	0.99	1.01	1.01	1.07	PG95XA*66120D***	CNPH*4821A**	0.99	1.01	1.01	1.07	PG95XA*66120D***	CSPH*6012A**	0.98	0.98	1.00	1.03	PG96V/A*66120D***
CAP**6024A**	0.99	1.01	1.00	1.04	1.06	CNVP*4824A**	0.98	1.02	1.00	1.07	PG95XA*66120D***	CNVP*4824A**	0.98	1.02	1.00	1.07	PG95XA*66120D***	CSPH*4812A**	0.97	1.01	0.99	1.03	PG96V/A*66120D***
CSRH*4812A**	0.98	1.02	1.00	1.05	1.04	CNVP*6024A**	0.99	1.01	1.00	1.07	PG95XA*66120D***	CNVP*6024A**	0.99	1.01	1.00	1.07	PG95XA*66120D***	CSPH*4821A**	0.97	1.01	0.99	1.03	PG96V/A*66120D***
CAP**4817A**	0.97	1.03	1.00</																				

DETAILED COOLING CAPACITIES# CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																			
CFM	EWB °F (°C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)		125 (51.7)									
		Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**								
		Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†						
PH16NA060****B Outdoor Section With FV4CNCB006 Indoor Section – HI																					
1500	57 (13.9)	51.61	51.61	3.56	49.90	49.90	48.10	48.10	4.37	46.09	46.09	43.74	43.74	5.44	40.97	6.09					
	62 (16.7)	54.77	49.03	3.59	52.50	47.37	3.96	50.12	45.69	4.39	47.51	43.92	4.88	44.55	41.19	39.81					
	63 (17.2)††	55.96	40.39	3.60	53.60	38.83	3.97	51.15	37.26	4.40	48.45	35.61	4.89	45.37	33.84	31.92					
	67 (19.4)	60.55	41.97	3.65	57.92	40.35	4.01	55.18	38.71	4.44	52.18	37.01	4.93	48.79	35.19	33.24					
	72 (22.2)	66.85	34.72	3.71	63.83	33.13	4.07	60.69	31.53	4.49	57.28	29.87	4.99	53.46	28.12	26.24					
1625	57 (13.9)	53.11	53.11	3.61	51.30	51.30	3.98	49.40	49.40	4.41	47.27	47.27	4.91	44.79	41.89	6.14					
	62 (16.7)	55.69	51.18	3.64	53.31	49.45	4.00	50.86	47.70	4.43	48.17	45.86	4.92	45.16	41.95	6.14					
	63 (17.2)††	56.85	41.87	3.65	54.40	40.27	4.01	51.85	38.66	4.44	49.04	36.96	4.93	45.87	42.23	6.14					
	67 (19.4)	61.48	43.55	3.69	58.74	41.88	4.05	55.90	40.20	4.48	52.79	38.46	4.97	49.30	36.60	6.18					
	72 (22.2)	67.83	35.71	3.75	64.70	34.08	4.11	61.44	32.45	4.54	57.91	30.76	5.03	53.98	28.97	6.23					
1750	57 (13.9)	54.46	54.46	3.66	52.57	52.57	4.03	50.56	50.56	4.46	48.32	48.32	4.96	45.73	42.70	6.18					
	62 (16.7)	56.48	53.25	3.68	54.04	51.45	4.04	51.52	49.63	4.47	48.77	47.65	4.96	45.80	42.76	6.19					
	63 (17.2)††	57.62	43.31	3.69	55.08	41.67	4.05	52.43	40.01	4.48	49.55	38.28	4.97	46.29	34.43	6.18					
	67 (19.4)	62.27	45.08	3.73	59.45	43.37	4.10	56.50	41.65	4.52	53.30	39.87	5.01	49.72	37.98	6.22					
	72 (22.2)	68.66	36.66	3.80	65.44	35.01	4.16	62.06	33.34	4.58	58.44	31.62	5.07	54.40	29.80	6.27					
2000	57 (13.9)	56.83	56.83	3.75	54.75	54.75	4.12	52.55	52.55	4.55	50.11	50.11	5.05	47.32	44.06	6.27					
	62 (16.7)	57.84	57.13	3.76	55.30	55.14	4.12	52.69	52.60	4.55	50.18	50.18	5.05	47.37	44.11	6.27					
	63 (17.2)††	58.85	46.05	3.77	56.15	44.33	4.13	53.37	42.61	4.56	50.34	40.81	5.05	46.95	43.11	6.26					
	67 (19.4)	63.55	48.03	3.81	60.55	46.24	4.18	57.45	44.45	4.60	54.09	42.59	5.09	50.35	46.16	6.30					
	72 (22.2)	70.02	38.47	3.88	66.60	36.76	4.24	63.06	35.04	4.66	59.25	33.26	5.15	55.05	39.42	6.35					
PH16NA060****B Outdoor Section With FV4CNCB006 Indoor Section – LO																					
1200	57 (13.9)	41.27	41.27	2.45	36.79	36.79	2.82	32.29	32.29	3.27	27.87	27.87	3.78	23.62	19.59	5.01					
	62 (16.7)	42.97	39.35	2.43	37.92	36.10	2.82	32.87	32.82	3.27	28.01	27.79	3.78	23.66	19.62	5.01					
	63 (17.2)††	43.88	32.14	2.43	38.70	29.32	2.82	33.52	26.49	3.26	28.48	23.70	3.77	23.68	18.40	5.02					
	67 (19.4)	47.49	33.46	2.40	41.89	30.56	2.79	36.33	27.67	3.24	30.92	24.82	3.75	25.76	19.38	4.99					
	72 (22.2)	52.45	27.41	2.36	46.29	24.87	2.75	40.20	22.34	3.20	34.27	19.86	3.71	28.63	15.17	4.95					
1300	57 (13.9)	42.46	42.46	2.45	37.83	37.83	2.84	33.17	33.17	3.28	28.61	28.61	3.79	24.22	20.06	5.02					
	62 (16.7)	43.67	41.17	2.45	38.51	37.77	2.84	33.41	34.32	3.28	28.66	28.66	3.79	24.26	20.09	5.02					
	63 (17.2)††	44.54	33.40	2.44	39.25	30.50	2.83	33.97	27.58	3.28	28.84	24.71	3.79	23.96	19.40	5.03					
	67 (19.4)	48.17	34.81	2.41	42.46	31.82	2.80	36.79	28.84	3.25	31.28	25.89	3.76	26.04	20.28	5.00					
	72 (22.2)	53.17	28.25	2.37	46.90	25.66	2.76	40.68	23.07	3.21	34.65	20.53	3.72	28.91	15.72	4.97					
1400	57 (13.9)	43.54	43.54	2.46	38.76	38.76	2.85	33.97	33.97	3.29	29.28	29.28	3.80	24.76	20.49	5.03					
	62 (16.7)	44.29	42.90	2.46	39.07	39.35	2.85	34.02	34.02	3.29	29.32	29.32	3.80	24.80	20.52	5.03					
	63 (17.2)††	45.11	34.63	2.45	39.72	31.64	2.84	34.35	28.64	3.29	29.15	25.69	3.80	24.19	20.03	5.05					
	67 (19.4)	48.75	36.12	2.42	42.95	33.05	2.81	37.18	29.97	3.26	31.59	26.94	3.77	28.28	21.33	5.02					
	72 (22.2)	53.79	29.08	2.38	47.41	26.42	2.77	41.08	23.77	3.22	34.97	21.18	3.74	29.15	16.27	4.98					
1600	57 (13.9)	45.41	45.41	2.48	40.37	40.37	2.87	35.34	35.34	3.31	30.42	30.42	3.82	25.69	21.22	5.06					
	62 (16.7)	45.49	45.49	2.48	40.43	40.43	2.87	35.39	35.39	3.31	30.46	30.46	3.82	25.72	21.24	5.06					
	63 (17.2)††	46.03	37.00	2.48	40.48	33.85	2.87	34.98	30.69	3.32	29.64	27.56	3.83	24.58	21.53	5.08					
	67 (19.4)	49.70	38.66	2.45	43.72	35.42	2.84	40.70	37.82	3.29	32.09	28.97	3.80	26.67	22.81	5.05					
	72 (22.2)	54.77	30.65	2.41	48.21	27.89	2.80	41.73	25.13	3.25	35.47	22.44	3.76	29.52	17.33	5.01					

DETAILED COOLING CAPACITIES# CONTINUED

PH16NA

PH16NA060****B Outdoor Section With FV4CNB006 Indoor Section

Cooling Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Cooling Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
*FV4CNB006	1.00	1.00	1.00	1.00	CNPH*6024A**	0.97	1.01	0.98	1.04	PG8*VA060110
CAP**6021A**	0.97	1.04	0.97	1.12	CNPV*6024A**	0.97	1.01	0.98	1.04	PG8*VA060110
CAP**6024A**	0.97	1.04	0.97	1.12	CSPH*6012A**	0.97	1.01	0.99	1.04	PG8*VA060110
CNPH*6024A**	0.97	1.04	0.97	1.12	CAP**6024A**	0.97	1.01	0.98	1.02	PG8*VA060135
CNPV*6024A**	0.97	1.04	0.97	1.12	CNPH*6024A**	0.97	1.01	0.98	1.02	PG8*VA060135
CSPH*6012A**	0.98	1.05	0.98	1.13	CNPV*6024A**	0.97	1.01	0.98	1.02	PG8*VA060135
CAP**6021A**	0.97	1.01	0.98	1.04	CSPH*6012A**	0.97	1.00	0.99	1.02	PG8*VA060135
CAP**6024A**	0.97	1.01	0.99	1.04	CAP**6021A**	0.97	1.04	0.98	1.07	PG95XA*60080C***
CNPH*6024A**	0.97	1.01	0.99	1.04	CAP**6024A**	0.97	1.04	0.98	1.07	PG95XA*60080C***
CNPV*6024A**	0.98	1.01	1.00	1.04	CNPH*6024A**	0.97	1.01	0.99	1.08	PG95XA*60080C***
CAP**6021A**	0.96	1.00	0.97	1.01	CNPV*6024A**	0.97	1.04	0.99	1.08	PG95XA*60080C***
CAP**6024A**	0.97	1.01	0.97	1.01	CSPH*6012A**	0.97	1.01	0.99	1.07	PG95XA*60080C***
CNPH*6024A**	0.97	1.01	0.98	1.01	CAP**6021A**	0.97	1.04	0.98	1.06	PG95XA*60100C***
CNPV*6024A**	0.97	1.01	0.98	1.01	CAP**6024A**	0.97	1.04	0.98	1.05	PG95XA*60100C***
CSPH*6012A**	0.97	1.01	0.98	1.01	CNPH*6024A**	0.97	1.01	0.99	1.06	PG95XA*60100C***
CAP**6021A**	0.97	1.04	0.98	1.05	CNPV*6024A**	0.97	1.01	0.99	1.06	PG95XA*60100C***
CAP**6024A**	0.97	1.04	0.98	1.05	CSPH*6012A**	0.98	1.02	0.99	1.05	PG95XA*60100C***
CNPH*6024A**	0.97	1.04	0.98	1.04	CAP**6024A**	0.97	1.01	0.98	1.03	PG95XA*66120D***

Cooling Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Cooling Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
CNPH*6024A**	0.97	1.01	0.98	1.03	CNPH*6024A**	0.97	1.01	0.98	1.03	PG95XA*66120D***
CNPV*6024A**	0.97	1.01	0.98	1.03	CNPV*6021A**	0.97	1.01	0.98	1.03	PG95XA*66120D***
CSPH*6012A**	0.98	1.02	0.99	1.04	CSPH*6012A**	0.98	1.02	0.99	1.04	PG95XA*66120D***
CAP**6021A**	0.96	1.00	0.97	1.03	CAP**6021A**	0.96	1.00	0.97	1.03	PG96VA*60080C***
CAP**6024A**	0.96	1.00	0.97	1.03	CAP**6024A**	0.96	1.00	0.97	1.03	PG96VA*60080C***
CNPH*6024A**	0.96	1.00	0.97	1.02	CNPH*6024A**	0.96	1.00	0.97	1.02	PG96VA*60080C***
CNPV*6024A**	0.96	1.00	0.97	1.02	CNPV*6024A**	0.96	1.00	0.97	1.02	PG96VA*60080C***
CSPH*6012A**	0.97	1.01	0.98	1.03	CSPH*6012A**	0.97	1.01	0.98	1.03	PG96VA*60080C***
CAP**6021A**	0.96	1.00	0.97	1.03	CAP**6021A**	0.96	1.00	0.97	1.03	PG96VA*60100C***
CAP**6024A**	0.96	1.00	0.97	1.02	CAP**6024A**	0.96	1.00	0.97	1.02	PG96VA*60100C***
CNPH*6024A**	0.96	1.00	0.97	1.02	CNPH*6024A**	0.96	1.00	0.97	1.02	PG96VA*60100C***
CNPV*6024A**	0.96	1.00	0.97	1.02	CNPV*6024A**	0.96	1.00	0.97	1.02	PG96VA*60100C***
CSPH*6012A**	0.97	1.01	0.98	1.02	CSPH*6012A**	0.97	1.01	0.98	1.02	PG96VA*60100C***
CAP**6021A**	0.97	1.01	0.98	1.03	CAP**6021A**	0.97	1.01	0.98	1.03	PG96VA*66120D***
CAP**6024A**	0.97	1.01	0.98	1.03	CAP**6024A**	0.97	1.01	0.98	1.03	PG96VA*66120D***
CNPH*6024A**	0.97	1.01	0.98	1.03	CNPH*6024A**	0.97	1.01	0.98	1.03	PG96VA*66120D***
CNPV*6024A**	0.97	1.01	0.98	1.03	CNPV*6024A**	0.97	1.01	0.98	1.03	PG96VA*66120D***
CSPH*6012A**	0.97	1.01	0.98	1.03	CSPH*6012A**	0.97	1.01	0.98	1.03	PG96VA*66120D***

* Tested combination.

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

‡ Sensible capacities shown are based on 80°F (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btuh

(245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C).

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

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

Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per AHRI standard 210/240-08. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

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

EWB — Entering Wet Bulb

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)		Total Sys. KW†	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†	Capacity MBtuh	Total Sys. KW†		
PH16NA024***B Outdoor Section With FV4CNF002 Indoor Section - HI																			
65 (18.3)	600	9.13	8.40	1.36	1.47	15.38	14.02	16.30	1.73	21.55	19.61	24.98	24.98	28.66	28.66	32.46	32.46	32.46	2.53
	650	9.21	8.47	1.36	1.46	15.50	14.13	16.45	1.71	21.78	19.82	25.25	25.25	28.99	28.99	32.87	32.87	32.87	2.47
	700	9.29	8.54	1.35	1.45	15.61	14.23	16.58	1.69	21.97	19.99	25.50	25.50	29.29	29.29	33.22	33.22	33.22	2.43
	800	9.42	8.67	1.35	1.44	15.79	14.40	16.80	1.67	22.30	20.29	25.92	25.92	29.78	29.78	33.75	33.75	33.75	2.36
70 (21.1)	600	8.73	8.03	1.43	1.54	15.05	13.72	16.17	1.81	21.11	19.21	24.49	24.49	28.12	28.12	31.91	31.91	31.91	2.64
	650	8.81	8.10	1.43	1.53	15.18	13.84	16.11	1.79	21.33	19.41	24.76	24.76	28.44	28.44	32.28	32.28	32.28	2.57
	700	8.89	8.18	1.42	1.52	15.29	13.94	16.24	1.77	21.53	19.59	25.00	25.00	28.74	28.74	32.62	32.62	32.62	2.53
	800	9.04	8.32	1.42	1.51	15.48	14.11	16.25	1.85	21.85	19.88	25.40	25.40	29.21	29.21	33.15	33.15	33.15	2.46
75 (23.9)	600	8.26	7.60	1.50	1.61	14.66	13.37	17.59	1.89	20.68	18.81	24.01	24.01	27.59	27.59	31.35	31.35	31.35	2.75
	650	8.34	7.67	1.49	1.60	14.81	13.50	17.75	1.86	20.89	19.01	24.27	24.27	27.90	27.90	31.71	31.71	31.71	2.68
	700	8.43	7.76	1.49	1.59	14.93	13.61	17.90	1.85	21.07	19.18	24.50	24.50	28.19	28.19	32.03	32.03	32.03	2.63
	800	8.59	7.90	1.49	1.58	15.14	13.80	18.14	1.82	21.39	19.47	24.89	24.89	28.66	28.66	32.55	32.55	32.55	2.56
PH16NA024***B Outdoor Section With FV4CNF002 Indoor Section - LO																			
65 (18.3)	480	4.29	3.94	1.03	1.14	10.33	9.42	11.56	1.31	15.75	14.33	17.90	17.90	20.02	20.02	22.13	22.13	22.13	1.66
	520	4.33	3.98	1.03	1.13	10.48	9.55	11.76	1.29	15.95	14.52	18.14	18.14	20.30	20.30	22.46	22.46	22.46	1.61
	560	4.38	4.03	1.03	1.13	10.61	9.67	11.96	1.28	16.13	14.68	18.36	18.36	20.57	20.57	22.77	22.77	22.77	1.57
	640	4.48	4.12	1.04	1.13	10.81	9.86	12.46	1.27	16.42	14.94	18.73	18.73	21.02	21.02	23.29	23.29	23.29	1.51
70 (21.1)	480	4.36	4.01	1.11	1.20	9.80	8.94	12.46	1.37	15.34	13.96	17.45	17.45	19.56	19.56	21.66	21.66	21.66	1.74
	520	4.41	4.06	1.11	1.20	9.96	9.08	12.66	1.36	15.53	14.13	17.69	17.69	19.84	19.84	21.98	21.98	21.98	1.69
	560	4.47	4.12	1.11	1.19	10.10	9.21	12.77	1.35	15.69	14.28	17.90	17.90	20.09	20.09	22.27	22.27	22.27	1.65
	640	4.59	4.22	1.12	1.19	10.34	9.43	12.77	1.33	16.00	14.56	18.27	18.27	20.52	20.52	22.77	22.77	22.77	1.59
75 (23.9)	480	4.10	3.77	1.18	1.26	9.23	8.41	11.89	1.35	14.87	13.53	17.02	17.02	19.10	19.10	21.20	21.20	21.20	1.83
	520	4.17	3.84	1.18	1.26	9.39	8.56	12.09	1.35	15.08	13.72	17.24	17.24	19.37	19.37	21.50	21.50	21.50	1.78
	560	4.24	3.90	1.18	1.26	9.53	8.69	12.26	1.34	15.27	13.89	17.44	17.44	19.61	19.61	21.78	21.78	21.78	1.74
	640	4.37	4.02	1.19	1.26	9.76	8.90	12.60	1.33	15.56	14.16	17.80	17.80	20.03	20.03	22.26	22.26	22.26	1.68

See notes on pg. 29

PH16NA

PH16NA024****B Outdoor Section With FV4CNF002 Indoor Section

Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
CNPV*2417A**	1.00	1.01	0.98	1.03	PG8**VAO48090
CNPV*3017A**	1.00	1.02	0.98	1.03	PG8**VAO48090
CNPV*3617A**	1.00	1.02	0.98	1.03	PG8**VAO48090
CNPV*3621A**	1.00	1.02	0.98	1.02	PG8**VAO48090
CSFH*2412A**	1.00	1.02	0.98	1.03	PG8**VAO48090
CSFH*3012A**	1.00	1.01	0.98	1.03	PG8**VAO48090
CSFH*3612A**	1.00	0.99	0.99	1.02	PG8**VAO48090
CAP**3621A**	1.00	0.96	1.03	0.96	PG8**VAO60110
CNPV*3621A**	1.00	0.97	1.03	0.97	PG8**VAO60110
CSFH*2412A**	1.00	0.97	1.03	0.99	PG8**VAO60110
CSFH*3012A**	1.00	0.96	1.03	0.98	PG8**VAO60110
CSFH*3612A**	1.00	0.94	1.03	0.96	PG8**VAO60110
CSFH*2412A**	1.00	0.97	1.03	0.99	PG8**VAO66135
CSFH*3012A**	1.00	0.95	1.03	0.97	PG8**VAO66135
CSFH*3612A**	1.00	0.94	1.03	0.96	PG8**VAO66135
CAP**2414A**	1.00	1.05	0.99	1.05	PG85XA*30040A***
CAP**2417A**	1.00	1.05	0.99	1.05	PG85XA*30040A***
CAP**3014A**	1.00	1.04	0.99	1.04	PG85XA*30040A***
CAP**3017A**	1.00	1.04	1.00	1.03	PG85XA*30040A***
CAP**3617A**	1.00	1.04	1.00	1.04	PG85XA*30040A***
CNPV*2414A**	1.00	1.04	1.00	1.05	PG85XA*30040A***
CNPV*2417A**	1.00	1.04	0.99	1.03	PG85XA*30040A***
CNPV*3014A**	1.00	1.05	0.99	1.04	PG85XA*30040A***
CNPV*3017A**	1.00	1.04	1.00	1.03	PG85XA*30040A***
CNPV*3617A**	1.00	1.04	1.00	1.03	PG85XA*30040A***
CSFH*2412A**	1.00	1.04	0.99	1.05	PG85XA*30040A***
CSFH*3012A**	1.00	1.03	1.00	1.04	PG85XA*30040A***
CSFH*3612A**	1.00	1.01	1.00	1.03	PG85XA*30040A***
CAP**2417A**	1.00	0.99	1.00	0.96	PG85XA*42060B***
CAP**3017A**	1.00	0.98	1.00	0.94	PG85XA*42060B***
CAP**3617A**	1.00	0.98	1.00	0.94	PG85XA*42060B***
CNPV*2417A**	1.00	0.98	1.00	0.94	PG85XA*42060B***
CNPV*2417A**	1.00	0.98	1.00	0.97	PG85XA*42060B***
CNPV*3617A**	1.00	0.98	1.00	0.94	PG85XA*42060B***
CNPV*3017A**	1.00	0.98	1.00	0.94	PG85XA*42060B***
CSFH*2412A**	1.00	0.98	1.00	0.96	PG85XA*42060B***
CSFH*3012A**	1.00	0.97	1.00	0.95	PG85XA*42060B***
CSFH*3612A**	1.00	0.95	1.00	0.93	PG85XA*42060B***
CAP**2414A**	1.00	1.07	1.01	1.05	PG86VA*30040A***
CAP**2417A**	1.00	1.06	1.01	1.05	PG86VA*30040A***
CAP**3014A**	1.00	1.06	1.01	1.04	PG86VA*30040A***
CAP**3017A**	1.00	1.05	1.01	1.04	PG86VA*30040A***
CAP**3614A**	1.00	1.05	1.01	1.04	PG86VA*30040A***
CAP**3617A**	1.00	1.04	1.01	1.03	PG86VA*30040A***
CNPV*2417A**	1.00	1.05	1.01	1.06	PG86VA*30040A***
CNPV*3017A**	1.00	1.05	1.01	1.03	PG86VA*30040A***
CNPV*3617A**	1.00	1.05	1.01	1.03	PG86VA*30040A***
CNPV*2414A**	1.00	1.05	1.01	1.06	PG86VA*30040A***
CNPV*2417A**	1.00	1.05	1.01	1.06	PG86VA*30040A***

Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
CNPV*2417A**	1.00	1.01	0.98	1.03	PG8**VAO48090
CNPV*3017A**	1.00	1.02	0.98	1.03	PG8**VAO48090
CNPV*3617A**	1.00	1.02	0.98	1.03	PG8**VAO48090
CNPV*3621A**	1.00	1.02	0.98	1.02	PG8**VAO48090
CSFH*2412A**	1.00	1.02	0.98	1.03	PG8**VAO48090
CSFH*3012A**	1.00	1.01	0.98	1.03	PG8**VAO48090
CSFH*3612A**	1.00	0.99	0.99	1.02	PG8**VAO48090
CAP**3621A**	1.00	0.96	1.03	0.96	PG8**VAO60110
CNPV*3621A**	1.00	0.97	1.03	0.97	PG8**VAO60110
CSFH*2412A**	1.00	0.97	1.03	0.99	PG8**VAO60110
CSFH*3012A**	1.00	0.96	1.03	0.98	PG8**VAO60110
CSFH*3612A**	1.00	0.94	1.03	0.96	PG8**VAO60110
CSFH*2412A**	1.00	0.97	1.03	0.99	PG8**VAO66135
CSFH*3012A**	1.00	0.95	1.03	0.97	PG8**VAO66135
CSFH*3612A**	1.00	0.94	1.03	0.96	PG8**VAO66135
CAP**2414A**	1.00	1.05	0.99	1.05	PG85XA*30040A***
CAP**2417A**	1.00	1.05	0.99	1.05	PG85XA*30040A***
CAP**3014A**	1.00	1.04	0.99	1.04	PG85XA*30040A***
CAP**3017A**	1.00	1.04	1.00	1.03	PG85XA*30040A***
CAP**3617A**	1.00	1.04	1.00	1.04	PG85XA*30040A***
CNPV*2414A**	1.00	1.04	1.00	1.05	PG85XA*30040A***
CNPV*2417A**	1.00	1.04	0.99	1.03	PG85XA*30040A***
CNPV*3014A**	1.00	1.05	0.99	1.04	PG85XA*30040A***
CNPV*3017A**	1.00	1.04	1.00	1.03	PG85XA*30040A***
CNPV*3617A**	1.00	1.04	1.00	1.03	PG85XA*30040A***
CSFH*2412A**	1.00	1.04	0.99	1.05	PG85XA*30040A***
CSFH*3012A**	1.00	1.03	1.00	1.04	PG85XA*30040A***
CSFH*3612A**	1.00	1.01	1.00	1.03	PG85XA*30040A***
CAP**2417A**	1.00	0.99	1.00	0.96	PG85XA*42060B***
CAP**3017A**	1.00	0.98	1.00	0.94	PG85XA*42060B***
CAP**3617A**	1.00	0.98	1.00	0.94	PG85XA*42060B***
CNPV*2417A**	1.00	0.98	1.00	0.94	PG85XA*42060B***
CNPV*2417A**	1.00	0.98	1.00	0.97	PG85XA*42060B***
CNPV*3617A**	1.00	0.98	1.00	0.94	PG85XA*42060B***
CNPV*3017A**	1.00	0.98	1.00	0.94	PG85XA*42060B***
CSFH*2412A**	1.00	0.98	1.00	0.96	PG85XA*42060B***
CSFH*3012A**	1.00	0.97	1.00	0.95	PG85XA*42060B***
CSFH*3612A**	1.00	0.95	1.00	0.93	PG85XA*42060B***
CAP**2414A**	1.00	1.07	1.01	1.05	PG86VA*30040A***
CAP**2417A**	1.00	1.06	1.01	1.05	PG86VA*30040A***
CAP**3014A**	1.00	1.06	1.01	1.04	PG86VA*30040A***
CAP**3017A**	1.00	1.05	1.01	1.04	PG86VA*30040A***
CAP**3614A**	1.00	1.05	1.01	1.04	PG86VA*30040A***
CAP**3617A**	1.00	1.04	1.01	1.03	PG86VA*30040A***
CNPV*2417A**	1.00	1.05	1.01	1.06	PG86VA*30040A***
CNPV*3017A**	1.00	1.05	1.01	1.03	PG86VA*30040A***
CNPV*3617A**	1.00	1.05	1.01	1.03	PG86VA*30040A***
CNPV*2414A**	1.00	1.05	1.01	1.06	PG86VA*30040A***
CNPV*2417A**	1.00	1.05	1.01	1.06	PG86VA*30040A***

See notes on pg. 29

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)																							
		-3 (-19.4)		7 (-13.9)		17 (-8.3)		27 (-2.8)		37 (2.8)		47 (8.3)		57 (13.9)		67 (19.4)									
EDB ° F (° C)	CFM	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†								
		PH16NA036****B Outdoor Section With FV4CNB006 Indoor Section - HI																							
65 (18.3)	900	13.75	12.65	1.90	17.91	16.46	2.01	22.88	20.87	2.15	26.93	23.92	2.28	31.23	28.42	2.42	35.79	35.79	2.60	40.74	40.74	2.81	46.22	46.22	3.03
	975	13.88	12.77	1.90	18.06	16.60	2.00	23.03	21.00	2.13	27.11	24.08	2.25	31.46	28.63	2.38	36.10	36.10	2.55	41.16	41.16	2.75	46.68	46.68	2.94
	1050	13.99	12.87	1.90	18.20	16.72	1.99	23.16	21.12	2.11	27.27	24.22	2.22	31.66	28.81	2.35	36.37	36.37	2.51	41.52	41.52	2.71	46.97	46.97	2.88
	1200	14.18	13.05	1.89	18.44	16.94	1.98	23.36	21.30	2.09	27.54	24.46	2.19	32.02	29.14	2.31	36.81	36.81	2.46	42.09	42.09	2.61	47.10	47.10	2.79
70 (21.1)	900	13.21	12.15	2.00	17.38	15.97	2.11	21.98	20.04	2.25	26.55	23.58	2.39	30.75	27.99	2.54	35.23	35.23	2.72	40.04	40.04	2.93	45.39	45.39	3.18
	975	13.33	12.26	1.99	17.52	16.10	2.10	22.62	20.63	2.24	26.72	23.73	2.36	30.98	28.19	2.50	35.54	35.54	2.67	40.45	40.45	2.87	45.96	45.96	3.08
	1050	13.44	12.36	1.99	17.66	16.23	2.09	22.76	20.75	2.22	26.87	23.86	2.34	31.18	28.38	2.47	35.80	35.80	2.63	40.80	40.80	2.83	46.28	46.28	3.01
	1200	13.63	12.54	1.99	17.89	16.44	2.08	22.99	20.96	2.20	27.13	24.09	2.30	31.52	28.69	2.42	36.23	36.23	2.57	41.38	41.38	2.73	46.54	46.54	2.92
75 (23.9)	900	12.66	11.65	2.10	16.83	15.47	2.22	21.26	19.38	2.35	26.16	23.24	2.52	30.29	27.56	2.67	34.68	34.68	2.85	39.35	39.35	3.07	44.58	44.58	3.33
	975	12.77	11.75	2.09	16.98	15.60	2.21	21.45	19.56	2.33	26.31	23.37	2.48	30.51	27.76	2.63	34.98	34.98	2.80	39.75	39.75	3.01	45.14	45.14	3.22
	1050	12.88	11.85	2.09	17.11	15.72	2.20	21.63	19.72	2.32	26.46	23.50	2.46	30.70	27.94	2.59	35.24	35.24	2.76	40.09	40.09	2.96	45.55	45.55	3.15
	1200	13.05	12.01	2.09	17.31	15.91	2.19	21.92	19.98	2.30	26.72	23.73	2.42	31.04	28.24	2.55	35.66	35.66	2.70	40.85	40.85	2.88	45.91	45.91	3.05
PH16NA036****B Outdoor Section With FV4CNB006 Indoor Section - LO																									
65 (18.3)	720	9.56	8.80	1.68	12.50	11.49	1.68	15.65	14.27	1.69	18.88	16.77	1.70	22.67	20.63	1.75	25.24	25.24	1.79	27.66	27.66	1.83	29.86	29.86	1.90
	780	9.69	8.91	1.68	12.65	11.62	1.67	15.82	14.42	1.67	19.08	16.95	1.69	22.85	20.80	1.73	25.45	25.45	1.75	27.93	27.93	1.79	30.18	30.18	1.84
	840	9.80	9.01	1.68	12.78	11.74	1.67	15.97	14.56	1.66	19.26	17.11	1.67	23.02	20.95	1.70	25.64	25.64	1.72	28.16	28.16	1.75	30.46	30.46	1.80
	960	9.97	9.17	1.68	13.00	11.94	1.68	16.23	14.80	1.65	19.57	17.38	1.65	23.28	21.19	1.67	25.95	25.95	1.67	28.55	28.55	1.69	30.92	30.92	1.72
70 (21.1)	720	8.75	8.05	1.75	11.78	10.83	1.75	14.99	13.67	1.76	18.26	16.22	1.79	21.73	19.77	1.83	24.82	24.82	1.88	27.20	27.20	1.94	29.37	29.37	2.00
	780	8.86	8.15	1.75	11.92	10.96	1.74	15.16	13.82	1.75	18.47	16.41	1.77	22.39	20.38	1.82	25.02	25.02	1.85	27.46	27.46	1.89	29.68	29.68	1.95
	840	8.96	8.25	1.75	12.05	11.07	1.74	15.30	13.95	1.74	18.65	16.56	1.75	22.56	20.53	1.79	25.20	25.20	1.81	27.69	27.69	1.85	29.95	29.95	1.90
	960	9.14	8.41	1.75	12.26	11.27	1.73	15.56	14.18	1.73	18.93	16.81	1.73	22.84	20.79	1.76	25.51	25.51	1.77	28.07	28.07	1.79	30.41	30.41	1.82
75 (23.9)	720	7.89	7.26	1.82	11.03	10.14	1.83	14.31	13.05	1.84	17.64	15.67	1.87	20.94	19.06	1.92	24.42	24.42	1.99	26.74	26.74	2.04	28.85	28.85	2.11
	780	7.99	7.35	1.82	11.17	10.26	1.82	14.47	13.20	1.83	17.84	15.84	1.86	21.19	19.29	1.89	24.62	24.62	1.95	26.99	26.99	1.99	29.17	29.17	2.05
	840	8.09	7.44	1.82	11.29	10.37	1.82	14.62	13.33	1.82	18.01	16.00	1.84	21.44	19.51	1.87	24.79	24.79	1.92	27.22	27.22	1.95	29.44	29.44	2.00
	960	8.25	7.59	1.82	11.44	10.51	1.81	14.82	13.51	1.81	18.25	16.21	1.82	21.76	19.80	1.83	25.07	25.07	1.86	27.59	27.59	1.89	29.89	29.89	1.93

See notes on pg. 29

PH16NA

PH16NA036****B Outdoor Section With FV4CNB006 Indoor Section

Furnace Model						
Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model	Power
*FV4/CN/B006	1.00	1.00	1.00	1.00	PG8*EA048090	1.06
FV4/CN(B/F)003	0.98	1.07	0.98	1.05	PG8*EA048090	1.03
FV4/CN(B/F)005	1.00	1.03	1.00	1.02	PG8*EA048090	1.07
FV4/CN/F002	0.99	1.09	0.99	1.07	PG8*EA048090	1.06
CAP**3614A**	1.01	1.16	1.02	1.18	PG8*EA048090	1.03
CAP**3617A**	1.01	1.16	1.02	1.18	PG8*EA048090	1.03
CAP**3621A**	1.01	1.16	1.02	1.18	PG8*EA048090	1.03
CAP**4221A**	1.01	1.15	1.02	1.17	PG8*EA048090	1.04
CAP**4224A**	1.01	1.15	1.02	1.17	PG8*EA048090	1.04
CAP**4817A**	1.02	1.13	1.02	1.16	PG8*EA048090	1.03
CAP**4821A**	1.02	1.13	1.02	1.15	PG8*EA048090	1.03
CAP**4824A**	1.02	1.13	1.02	1.15	PG8*EA048090	1.03
CNPV*3617A**	1.01	1.17	1.02	1.18	PG8*EA048090	1.03
CNPV*3621A**	1.01	1.17	1.02	1.18	PG8*EA048090	1.03
CNPV*4217A**	1.02	1.14	1.02	1.16	PG8*EA048090	1.03
CNPV*4221A**	1.01	1.15	1.02	1.16	PG8*EA048090	1.03
CNPV*4821A**	1.02	1.13	1.02	1.15	PG8*EA048090	1.03
CNPV*4824A**	1.02	1.13	1.02	1.15	PG8*EA048090	1.03
CSPH*3612A**	1.02	1.13	1.02	1.16	PG8*EA048090	1.03
CSPH*4212A**	1.02	1.12	1.02	1.15	PG8*EA048090	1.03
CSPH*4812A**	1.00	1.12	1.02	1.15	PG8*EA048090	1.03
CAP**3614A**	1.00	1.15	0.98	1.10	PG8*EA048090	1.03
CAP**3617A**	1.01	1.14	0.98	1.09	PG8*EA048090	1.03
CAP**4817A**	1.02	1.10	0.99	1.06	PG8*EA048090	1.03
CNPV*3617A**	1.01	1.15	0.98	1.10	PG8*EA048090	1.03
CNPV*4221A**	1.01	1.13	0.98	1.09	PG8*EA048090	1.03
CNPV*4821A**	1.02	1.10	0.99	1.06	PG8*EA048090	1.03
CNPV*4821A**	1.00	1.15	0.98	1.10	PG8*EA048090	1.03
CNPV*3617A**	1.00	1.15	0.98	1.10	PG8*EA048090	1.03
CNPV*4217A**	1.01	1.12	0.98	1.07	PG8*EA048090	1.03
CSPH*3612A**	1.02	1.12	0.98	1.08	PG8*EA048090	1.03
CSPH*4212A**	1.02	1.10	0.98	1.07	PG8*EA048090	1.03
CSPH*4812A**	1.02	1.09	0.99	1.07	PG8*EA048090	1.03
CAP**3617A**	0.99	1.12	1.01	1.09	PG8*EA048090	1.03
CAP**3621A**	0.99	1.11	1.01	1.08	PG8*EA048070	1.03
CAP**4221A**	1.00	1.10	1.02	1.08	PG8*EA048070	1.03
CAP**4817A**	1.01	1.07	1.02	1.06	PG8*EA048070	1.03
CAP**4821A**	1.01	1.08	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	0.99	1.13	1.01	1.10	PG8*EA048070	1.03
CNPV*4221A**	1.00	1.10	1.02	1.08	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.07	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	0.99	1.13	1.01	1.10	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.07	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.07	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
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CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
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CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4217A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*4821A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03
CNPV*3617A**	1.01	1.09	1.02	1.06	PG8*EA048070	1.03

HEAT PUMP HEATING PERFORMANCE CONTINUED

PH16NA036****B Outdoor Section With FV4CNB006 Indoor Section

Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
CNPFV*4217A**	1.00	1.09	1.01	1.06	PG96VA*48080B***
CNPFV*4221A**	1.00	1.10	1.01	1.08	PG96VA*48080B***
CNPFV*4821A**	1.01	1.06	1.02	1.05	PG96VA*48080B***
CSPH*3612A**	1.00	1.08	1.01	1.06	PG96VA*48080B***
CSPH*4212A**	1.01	1.07	1.01	1.05	PG96VA*48080B***
CSPH*4812A**	1.01	1.07	1.02	1.05	PG96VA*48080B***
CAP**3621A**	0.98	1.08	1.00	1.06	PG96VA*60080C***
CAP**4221A**	0.99	1.08	1.00	1.05	PG96VA*60080C***
CAP**4224A**	0.99	1.07	1.00	1.05	PG96VA*60080C***
CAP**4821A**	0.99	1.05	1.01	1.04	PG96VA*60080C***
CAP**4824A**	1.00	1.05	1.01	1.03	PG96VA*60080C***
CNPFV*4221A**	0.99	1.09	1.00	1.06	PG96VA*60080C***
CNPFV*4821A**	1.00	1.05	1.01	1.03	PG96VA*60080C***
CNPFV*3621A**	0.98	1.10	1.00	1.07	PG96VA*60080C***
CNPFV*4221A**	0.99	1.09	1.00	1.06	PG96VA*60080C***
CNPFV*4821A**	1.00	1.05	1.01	1.03	PG96VA*60080C***
CNPFV*4224A**	0.99	1.07	1.00	1.05	PG96VA*60100C***
CAP**4821A**	0.99	1.05	1.01	1.04	PG96VA*60100C***
CAP**4824A**	0.99	1.05	1.01	1.03	PG96VA*60100C***
CNPFV*4221A**	0.99	1.09	1.00	1.06	PG96VA*60100C***
CNPFV*4821A**	1.00	1.05	1.01	1.03	PG96VA*60100C***
CNPFV*3621A**	0.98	1.10	0.99	1.08	PG96VA*60100C***
CNPFV*4221A**	0.99	1.09	1.00	1.06	PG96VA*60100C***
CNPFV*4821A**	1.00	1.05	1.01	1.03	PG96VA*60100C***
CNPFV*4224A**	0.99	1.07	1.00	1.05	PG96VA*60100C***
CSPH*4212A**	0.99	1.05	1.00	1.04	PG96VA*60100C***
CSPH*4812A**	1.00	1.05	1.01	1.04	PG96VA*66120D***
CAP**4824A**	0.99	1.07	1.01	1.05	PG96VA*66120D***
CAP**4824A**	1.00	1.05	0.99	1.04	PG96VA*66120D***
CNPFV*4824A**	1.00	1.05	1.02	1.03	PG96VA*66120D***
CSPH*3612A**	0.99	1.07	1.01	1.05	PG96VA*66120D***
CSPH*4212A**	1.00	1.06	1.01	1.03	PG96VA*66120D***
CSPH*4812A**	1.00	1.05	1.02	1.04	PG96VA*66120D***

See notes on pg. 29

HEAT PUMP HEATING PERFORMANCE CONTINUED

PH16NA

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)																															
		-3 (-19.4)				7 (-13.9)				17 (-8.3)				27 (-2.8)				37 (2.8)				47 (8.3)				57 (13.9)				67 (19.4)			
		Capacity MBtuh		Total Sys KWT	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				
Total	Integ*	Total	Integ*	Total		Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*					
EDB °F (°C)	PH16NA048***B Outdoor Section With FV4CN(B/F)005 Indoor Section - HI																																
65 (18.3)	1200	17.97	16.53	2.66	23.15	21.27	2.84	29.65	27.03	3.08	35.05	31.13	3.29	40.86	37.19	3.54	47.00	47.00	3.82	53.46	53.46	4.15	60.50	60.50	4.46	65 (18.3)	Total Sys KWT	Capacity MBtuh	Total Sys KWT				
	1300	18.06	16.61	2.65	23.28	21.39	2.83	29.83	27.19	3.06	35.29	31.35	3.27	41.21	37.50	3.50	47.42	47.42	3.77	54.04	54.04	4.07	60.92	60.92	4.37								
	1400	18.16	16.70	2.65	23.41	21.51	2.83	29.97	27.33	3.04	35.51	31.53	3.25	41.51	37.77	3.48	47.81	47.81	3.74	54.58	54.58	4.01	61.21	61.21	4.31								
	1600	18.34	16.88	2.66	23.67	21.75	2.83	30.22	27.56	3.03	35.87	31.86	3.22	42.01	38.23	3.45	48.45	48.45	3.69	55.23	55.23	3.92	61.47	61.47	4.22								
70 (21.1)	1200	17.65	16.24	2.82	22.65	20.81	3.00	29.20	26.63	3.23	34.52	30.66	3.45	40.17	36.56	3.69	46.20	46.20	3.98	52.55	52.55	4.32	59.63	59.63	4.65	70 (21.1)	Total Sys KWT	Capacity MBtuh	Total Sys KWT				
	1300	17.75	16.33	2.82	22.80	20.95	2.99	29.41	26.81	3.21	34.77	30.88	3.42	40.52	36.87	3.66	46.62	46.62	3.93	53.06	53.06	4.25	60.01	60.01	4.56								
	1400	17.87	16.44	2.82	22.97	21.10	2.99	29.59	26.98	3.20	34.99	31.08	3.40	40.82	37.15	3.63	47.00	47.00	3.90	53.59	53.59	4.18	60.34	60.34	4.49								
	1600	18.11	16.66	2.83	23.27	21.38	2.99	29.91	27.27	3.19	35.38	31.42	3.38	41.34	37.62	3.60	47.64	47.64	3.85	54.36	54.36	4.09	60.66	60.66	4.39								
75 (23.9)	1200	17.13	15.76	2.99	22.03	20.25	3.16	27.68	25.23	3.36	33.94	30.15	3.61	39.48	35.93	3.86	45.41	45.41	4.16	51.70	51.70	4.51	58.75	58.75	4.85	75 (23.9)	Total Sys KWT	Capacity MBtuh	Total Sys KWT				
	1300	17.26	15.88	2.99	22.20	20.40	3.15	27.91	25.45	3.34	34.20	30.37	3.58	39.82	36.23	3.82	45.82	45.82	4.11	52.16	52.16	4.44	59.15	59.15	4.75								
	1400	17.40	16.01	2.99	22.38	20.57	3.14	28.16	25.67	3.33	34.43	30.58	3.56	40.12	36.51	3.79	46.19	46.19	4.07	52.61	52.61	4.37	59.46	59.46	4.68								
	1600	17.67	16.25	3.00	22.71	20.87	3.15	28.66	26.13	3.33	34.84	30.94	3.54	40.64	36.98	3.76	46.82	46.82	4.01	53.46	53.46	4.27	59.84	59.84	4.58								
65 (18.3)	Total Sys KWT	Capacity MBtuh	Total Sys KWT	PH16NA048***B Outdoor Section With FV4CN(B/F)005 Indoor Section - LO																													
				960	10.75	9.89	2.21	15.52	14.27	2.28	20.06	18.29	2.35	24.42	21.69	2.42	29.36	26.71	2.53	33.07	33.07	2.61	36.89	36.89	2.72	40.84	40.84	2.87					
				1040	10.91	10.03	2.22	15.72	14.45	2.28	20.30	18.50	2.34	24.72	21.96	2.40	29.61	26.94	2.49	33.39	33.39	2.57	37.30	37.30	2.67	41.32	41.32	2.80					
				1120	11.03	10.15	2.22	15.89	14.60	2.28	20.50	18.69	2.33	24.98	22.18	2.39	29.85	27.16	2.47	33.67	33.67	2.53	37.64	37.64	2.62	41.76	41.76	2.73					
70 (21.1)	Total Sys KWT	Capacity MBtuh	Total Sys KWT	1280	11.26	10.36	2.23	16.19	14.88	2.28	20.85	19.01	2.32	25.43	22.58	2.36	30.22	27.50	2.43	34.15	34.15	2.48	38.21	38.21	2.55	42.41	42.41	2.62					
				960	9.82	9.03	2.31	14.61	13.43	2.39	19.16	17.47	2.46	23.53	20.89	2.54	28.66	26.08	2.66	32.39	32.39	2.75	36.17	36.17	2.87	40.06	40.06	3.02					
				1040	9.96	9.16	2.31	14.79	13.59	2.38	19.39	17.68	2.45	23.82	21.16	2.52	28.96	26.35	2.62	32.72	32.72	2.71	36.57	36.57	2.81	40.53	40.53	2.95					
				1120	10.08	9.28	2.32	14.97	13.75	2.38	19.61	17.88	2.44	24.08	21.39	2.50	29.21	26.58	2.60	33.00	33.00	2.67	36.91	36.91	2.76	40.95	40.95	2.89					
75 (23.9)	Total Sys KWT	Capacity MBtuh	Total Sys KWT	1280	10.31	9.48	2.33	15.26	14.02	2.39	19.97	18.21	2.43	24.53	21.78	2.48	29.61	26.95	2.56	33.48	33.48	2.61	37.49	37.49	2.69	41.68	41.68	2.77					
				960	9.86	9.07	2.43	13.59	12.49	2.49	18.18	16.58	2.57	22.58	20.06	2.66	27.03	24.60	2.76	31.72	31.72	2.89	35.43	35.43	3.01	39.28	39.28	3.17					
				1040	9.99	9.19	2.44	13.77	12.66	2.49	18.41	16.78	2.56	22.88	20.32	2.64	27.47	25.00	2.73	32.04	32.04	2.85	35.82	35.82	2.96	39.74	39.74	3.10					
				1120	9.77	8.99	2.44	13.94	12.81	2.49	18.63	16.99	2.56	23.13	20.55	2.62	27.91	25.40	2.71	32.32	32.32	2.81	36.17	36.17	2.91	40.16	40.16	3.04					
1280	9.98	9.18	2.45	14.24	13.08	2.50	18.99	17.32	2.55	23.58	20.94	2.60	28.92	26.32	2.69	32.79	32.79	2.76	36.74	36.74	2.84	40.87	40.87	2.94									

See notes on pg. 29

HEAT PUMP HEATING PERFORMANCE CONTINUED

PH16NA048*****B Outdoor Section With FV4CN(B,F)005 Indoor Section

Heating Indoor Model		High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
*FV4CN(B/F)005		1.00	1.00	1.00	1.00	PG8*VA060110
FVACN006		1.00	0.97	1.00	0.97	PG8*VA060110
CAP**4817A**		1.01	1.04	1.02	1.09	PG8*VA060110
CAP**4821A**		1.01	1.06	1.02	1.10	PG8*VA060135
CAP**4824A**		1.01	1.06	1.02	1.10	PG8*VA060135
CAP**6021A**		1.01	1.05	1.02	1.09	PG8*VA060135
CAP**6024A**		1.01	1.05	1.02	1.09	PG8*VA060135
CNPH*6024A**		1.01	1.06	1.01	1.02	PG8*VA060135
CNPF*4821A**		1.01	1.05	1.01	1.05	PG95XA*48080B***
CNPF*6024A**		1.01	1.05	1.01	1.05	PG95XA*48080B***
CSPH*4812A**		1.02	1.04	1.02	1.10	PG95XA*48080B***
CSPH*6012A**		1.03	1.04	1.02	1.08	PG95XA*48080B***
CNPH*4821A**		1.02	1.09	1.01	1.05	PG95XA*48080B***
CNPH*6024A**		1.02	1.07	1.01	1.03	PG95XA*48080B***
CNPF*4821A**		1.02	1.09	1.01	1.05	PG95XA*48080B***
CSPH*4812A**		1.02	1.08	1.01	1.05	PG95XA*48080B***
CSPH*6012A**		1.00	1.02	1.01	1.03	PG95XA*48080C***
CNPH*4812A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CNPH*6012A**		1.01	1.01	1.00	0.99	PG95XA*48080C***
CSPH*4812A**		0.99	1.00	1.00	1.00	PG95XA*48080C***
CSPH*6012A**		0.99	0.99	1.03	1.00	PG95XA*48080C***
CNPF*4821A**		0.99	1.00	1.00	1.01	PG95XA*48080C***
CNPF*6024A**		1.00	1.01	1.02	1.00	PG95XA*48080C***
CSPH*4812A**		0.99	1.00	1.00	1.01	PG95XA*48080C***
CSPH*6012A**		0.99	1.00	1.00	1.00	PG95XA*48080C***
CNPH*4821A**		0.99	1.00	1.00	1.01	PG95XA*48080C***
CNPH*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CSPH*4812A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CSPH*6012A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4817A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4821A**		1.00	1.03	1.01	1.01	PG95XA*48080C***
CAP**4824A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CAP**6021A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CAP**6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*4812A**		0.99	1.01	1.01	1.01	PG95XA*48080C***
CNPH*4821A**		0.99	1.02	1.01	1.01	PG95XA*48080C***
CNPH*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CSPH*4812A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CSPH*6012A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4817A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4821A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4824A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6021A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6024A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CNPH*4812A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CSPH*4812A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CSPH*6012A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4817A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4821A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4824A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6021A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6024A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CNPH*4812A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CSPH*4812A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CSPH*6012A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4817A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4821A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4824A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6021A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6024A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CNPH*4812A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CSPH*4812A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CSPH*6012A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4817A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4821A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4824A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6021A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6024A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CNPH*4812A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CSPH*4812A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CSPH*6012A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4817A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4821A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4824A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6021A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6024A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CNPH*4812A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CSPH*4812A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CSPH*6012A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4817A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4821A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4824A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6021A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6024A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CNPH*4812A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CSPH*4812A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CSPH*6012A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4817A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4821A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4824A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6021A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6024A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CNPH*4812A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CSPH*4812A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CSPH*6012A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4817A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4821A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4824A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6021A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6024A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CNPH*4812A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CSPH*4812A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CSPH*6012A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4817A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4821A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4824A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6021A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6024A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CNPH*4812A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CSPH*4812A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CSPH*6012A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4817A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4821A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4824A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6021A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6024A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CNPH*4812A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPH*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*4821A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CNPF*6024A**		1.00	1.02	1.01	1.01	PG95XA*48080C***
CSPH*4812A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CSPH*6012A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4817A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4821A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**4824A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6021A**		1.00	1.02	1.01	1.02	PG95XA*48080C***
CAP**6024A**						

See notes on pg. 29

HEAT PUMP HEATING PERFORMANCE CONTINUED

PH16NA

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*							
PH16NA060****B Outdoor Section With FVACNB006 Indoor Section - HI																								
65 (18.3)	1500	23.79	21.88	3.26	29.29	26.92	3.46	36.45	33.23	3.72	42.81	38.02	3.97	50.01	45.51	4.27	57.93	4.63	66.85	66.85	4.98	75.37	75.37	5.43
	1625	24.02	22.09	3.27	29.54	27.14	3.46	36.69	33.45	3.71	43.07	38.25	3.95	50.33	45.80	4.24	58.31	4.58	67.16	67.16	4.91	75.53	75.53	5.33
	1750	24.26	22.32	3.28	29.79	27.38	3.47	36.89	33.63	3.70	43.31	38.47	3.94	50.62	46.07	4.22	58.70	4.53	67.40	67.40	4.86	75.47	75.47	5.25
	2000	24.72	22.74	3.32	30.26	27.80	3.49	37.26	33.97	3.71	43.75	38.86	3.93	51.14	46.53	4.20	59.34	4.47	67.57	67.57	4.79	72.61	72.61	5.06
70 (21.1)	1500	22.84	21.01	3.40	28.50	26.19	3.61	36.04	32.86	3.88	42.34	37.61	4.15	49.45	45.00	4.46	57.25	4.83	66.02	66.02	5.19	74.43	74.43	5.65
	1625	23.07	21.22	3.41	28.74	26.41	3.61	36.27	33.07	3.87	42.61	37.84	4.13	49.77	45.29	4.43	57.63	4.78	66.38	66.38	5.11	74.67	74.67	5.55
	1750	23.30	21.44	3.42	28.99	26.64	3.62	36.48	33.26	3.87	42.85	38.06	4.11	50.06	45.55	4.40	58.00	4.74	66.64	66.64	5.06	74.68	74.68	5.47
	2000	23.75	21.85	3.46	29.44	27.06	3.64	36.85	33.60	3.88	43.28	38.44	4.11	50.57	46.02	4.38	58.68	4.67	66.90	66.90	4.99	72.84	72.84	5.30
75 (23.9)	1500	21.87	20.12	3.54	27.71	25.46	3.76	34.56	31.51	4.03	41.89	37.21	4.34	48.89	44.49	4.66	56.55	5.03	65.16	65.16	5.40	73.45	73.45	5.88
	1625	22.08	20.32	3.55	27.94	25.67	3.77	34.84	31.76	4.02	42.15	37.43	4.31	49.21	44.78	4.62	56.94	4.98	65.56	65.56	5.33	73.74	73.74	5.78
	1750	22.32	20.53	3.57	28.18	25.90	3.77	35.20	32.09	4.02	42.39	37.65	4.30	49.50	45.05	4.60	57.30	4.94	65.85	65.85	5.27	73.83	73.83	5.70
	2000	22.75	20.93	3.60	28.63	26.31	3.80	36.40	33.19	4.05	42.82	38.03	4.29	50.01	45.51	4.57	57.99	4.87	66.19	66.19	5.20	72.85	72.85	5.55
PH16NA060****B Outdoor Section With FVACNB006 Indoor Section - LO																								
65 (18.3)	1200	13.69	12.59	2.67	19.50	17.92	2.75	25.04	22.83	2.84	30.30	26.91	2.94	35.80	32.58	3.07	39.55	3.18	42.98	42.98	3.30	46.15	46.15	3.40
	1300	13.81	12.71	2.68	19.67	18.08	2.75	25.29	23.05	2.83	30.62	27.19	2.92	36.10	32.85	3.04	39.97	3.13	43.47	43.47	3.24	46.62	46.62	3.32
	1400	13.95	12.83	2.69	19.87	18.26	2.75	25.53	23.27	2.83	30.92	27.46	2.90	36.39	33.11	3.01	40.32	3.09	43.89	43.89	3.19	47.03	47.03	3.26
	1600	14.22	13.08	2.71	20.21	18.57	2.77	25.94	23.65	2.82	31.45	27.93	2.89	36.86	33.54	2.97	40.89	3.04	44.64	44.64	3.10	47.64	47.64	3.18
70 (21.1)	1200	12.56	11.56	2.79	18.42	16.93	2.87	23.98	21.87	2.97	29.23	25.96	3.07	35.00	31.85	3.22	38.74	3.33	42.09	42.09	3.46	45.24	45.24	3.57
	1300	12.73	11.72	2.80	18.60	17.09	2.87	24.24	22.10	2.96	29.55	26.25	3.05	35.36	32.17	3.19	39.13	3.29	42.58	42.58	3.40	45.78	45.78	3.49
	1400	12.89	11.86	2.81	18.80	17.28	2.88	24.50	22.33	2.96	29.87	26.53	3.04	35.67	32.46	3.16	39.50	3.25	43.01	43.01	3.35	46.18	46.18	3.43
	1600	13.13	12.08	2.83	19.16	17.61	2.89	24.93	22.73	2.95	30.41	27.01	3.02	36.13	32.88	3.12	40.09	3.20	43.75	43.75	3.27	46.81	46.81	3.34
75 (23.9)	1200	12.10	11.14	2.92	17.17	15.78	3.00	22.80	20.79	3.10	28.07	24.93	3.21	33.24	30.25	3.34	37.87	3.50	41.18	41.18	3.63	44.31	44.31	3.75
	1300	12.28	11.30	2.93	17.37	15.96	3.00	23.05	21.02	3.09	28.41	25.23	3.19	33.69	30.66	3.31	38.28	3.45	41.66	41.66	3.57	44.86	44.86	3.66
	1400	12.44	11.44	2.94	17.58	16.15	3.00	23.32	21.26	3.09	28.73	25.51	3.18	34.38	31.28	3.30	38.63	3.41	42.08	42.08	3.52	45.31	45.31	3.60
	1600	11.89	10.94	2.95	17.95	16.50	3.02	23.79	21.69	3.09	29.27	25.99	3.16	35.34	32.16	3.28	39.23	3.36	42.79	42.79	3.45	45.96	45.96	3.51

See notes on pg. 29

HEAT PUMP HEATING PERFORMANCE CONTINUED

PH16NA060***B Outdoor Section With FV/CN06 Indoor Section

Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
*FV/CNB006	1.00	1.00	1.00	1.00	CNPH*6024A**	0.99	1.05	1.00	1.05	PG8*VA060110
CAP**6021A**	1.01	1.06	1.03	1.11	CNPV*6024A**	0.99	1.05	1.00	1.05	PG8*VA060110
CAP**6024A**	1.01	1.06	1.03	1.11	CSPH*6012A**	1.00	1.04	1.00	1.04	PG8*VA060110
CNPH*6024A**	1.01	1.07	1.03	1.11	CAP**6024A**	0.99	1.04	1.00	1.04	PG8*VA060135
CNPV*6024A**	1.01	1.07	1.04	1.19	CNPH*6024A**	0.99	1.04	1.00	1.04	PG8*VA060135
CSPH*6012A**	1.01	1.05	1.03	1.11	CNPV*6024A**	0.99	1.04	1.00	1.04	PG8*VA060135
CAP**6021A**	1.00	1.04	1.00	1.02	CSPH*6012A**	0.99	1.02	1.00	1.03	PG8*VA060135
CAP**6024A**	1.00	1.04	1.01	1.05	CAP**6021A**	1.00	1.06	1.01	1.06	PG95XA*60080C***
CNPH*6024A**	1.00	1.04	1.01	1.04	CAP**6024A**	1.00	1.06	1.01	1.06	PG95XA*60080C***
CNPV*6024A**	1.00	1.04	1.01	1.04	CNPH*6024A**	1.00	1.06	1.01	1.06	PG95XA*60080C***
CSPH*6012A**	1.00	1.02	1.01	1.03	CNPV*6024A**	1.00	1.06	1.01	1.06	PG95XA*60080C***
CAP**6021A**	1.00	1.06	0.99	1.04	CSPH*6012A**	1.00	1.04	1.01	1.05	PG95XA*60080C***
CAP**6024A**	1.00	1.05	0.99	1.04	CAP**6021A**	1.01	1.07	1.01	1.06	PG95XA*60100C***
CNPH*6024A**	1.00	1.05	0.99	1.04	CAP**6024A**	1.01	1.07	1.01	1.06	PG95XA*60100C***
CNPV*6024A**	1.00	1.03	1.00	1.04	CNPH*6024A**	1.01	1.07	1.01	1.06	PG95XA*60100C***
CSPH*6012A**	1.00	1.06	1.00	1.05	CNPV*6024A**	1.01	1.07	1.01	1.05	PG95XA*60100C***
CAP**6024A**	1.00	1.06	1.00	1.05	CSPH*6012A**	1.01	1.05	1.01	1.05	PG95XA*60100C***
CAP**6024A**	1.00	1.06	1.00	1.05	CAP**6024A**	0.99	1.05	1.00	1.05	PG95XA*66120D***

Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
CNPH*6024A**	0.99	1.05	1.00	1.05	CNPH*6024A**	0.99	1.05	1.00	1.05	PG95XA*66120D***
CNPV*6024A**	0.99	1.05	1.00	1.05	CNPV*6024A**	0.99	1.05	1.00	1.05	PG95XA*66120D***
CSPH*6012A**	1.00	1.04	1.00	1.04	CSPH*6012A**	1.00	1.04	1.00	1.04	PG95XA*66120D***
CAP**6021A**	0.99	1.05	1.00	1.06	CAP**6021A**	0.99	1.05	1.00	1.06	PG96VA*60080C***
CAP**6024A**	0.99	1.05	1.00	1.06	CAP**6024A**	0.99	1.05	1.00	1.06	PG96VA*60080C***
CNPH*6024A**	0.99	1.05	1.00	1.06	CNPH*6024A**	0.99	1.05	1.00	1.06	PG96VA*60080C***
CNPV*6024A**	0.99	1.05	1.00	1.06	CNPV*6024A**	0.99	1.05	1.00	1.06	PG96VA*60080C***
CSPH*6012A**	0.99	1.04	1.00	1.05	CSPH*6012A**	0.99	1.04	1.00	1.05	PG96VA*60080C***
CAP**6021A**	0.98	1.04	1.00	1.06	CAP**6021A**	0.98	1.04	1.00	1.06	PG96VA*60100C***
CAP**6024A**	0.98	1.04	1.00	1.06	CAP**6024A**	0.98	1.04	1.00	1.06	PG96VA*60100C***
CNPH*6024A**	0.98	1.04	1.00	1.06	CNPH*6024A**	0.98	1.04	1.00	1.06	PG96VA*60100C***
CNPV*6024A**	0.98	1.04	1.00	1.06	CNPV*6024A**	0.98	1.04	1.00	1.06	PG96VA*60100C***
CSPH*6012A**	0.99	1.03	1.00	1.05	CSPH*6012A**	0.99	1.03	1.00	1.05	PG96VA*60100C***
CAP**6024A**	0.99	1.05	1.00	1.05	CAP**6024A**	0.99	1.05	1.00	1.05	PG96VA*66120D***
CNPH*6024A**	0.99	1.05	1.00	1.05	CNPH*6024A**	0.99	1.05	1.00	1.05	PG96VA*66120D***
CNPV*6024A**	0.99	1.05	1.00	1.05	CNPV*6024A**	0.99	1.05	1.00	1.05	PG96VA*66120D***
CSPH*6012A**	0.99	1.03	1.00	1.04	CSPH*6012A**	0.99	1.03	1.00	1.04	PG96VA*66120D***

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

* Tested Combination

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

Quality Assurance

- Unit will be rated in accordance with the latest edition of AHRI Standard 210.
- Unit will be certified for capacity and efficiency, and listed in the latest AHRI directory.
- Unit construction will comply with latest edition of ANSI/ASHRAE and with NEC.
- Unit will be constructed in accordance with UL standards and will carry the UL label of approval. Unit will have c-UL 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 air conditioner unit. Contained within the unit enclosure is all factory wiring, piping, controls, compressor, refrigerant charge R-410A, and special features required prior to field start-up.

Unit Cabinet

- Unit cabinet, including louvered coil guard, 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 upward.

AIR-COOLED, SPLIT-SYSTEM AIR CONDITIONER

PH16NA

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

Condenser Coil

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

Refrigeration Components

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

Operating Characteristics

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

Electrical Requirements

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

Special Features

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

SYSTEM DESIGN SUMMARY

1. Intended for outdoor installation with free air inlet and outlet. Outdoor fan external static pressure available is less than 0.01-in. wc.
2. This product is not qualified for low ambient cooling operation (below 55°F/12.8°C) and no low ambient kit is available.
3. The maximum outdoor operating ambient in cooling mode is 125°F (51.67°C) when operating voltage is 230v. For 208v applications, the maximum outdoor ambient is 120°F (48.9°C).
4. For reliable operation, unit should be level in all horizontal planes.
5. For interconnecting refrigerant tube lengths greater than 80 ft (23.4 m) and/or 35 ft (10.7 m) vertical differential, consult Residential Piping and Longline Guideline and Service Manual available from equipment distributor.
6. If any refrigerant tubing is buried, provide a 6 in. (152.4 mm) vertical rise to the valve connections at the unit. Refrigerant tubing lengths up to 36 in. (914.4 mm) may be buried without further consideration. Do not bury refrigerant lines longer than 36 in. (914.4 mm).
7. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
8. Do not apply capillary tube indoor coils to these units.
9. Factory-supplied filter drier must be installed.

