

213A
Legacy™ Line RNC Heat Pump
with Puron® Refrigerant
1–1/2 To 5 Nominal Tons (Sizes 018 To 060)



Product Data



Bryant heat pumps with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 213A has been designed utilizing Bryant's Puron refrigerant. The environmentally sound refrigerant allows consumers to make a responsible decision in the protection of the earth's ozone layer.

As an Energy Star® Partner, Bryant Heating & Cooling has determined that this product meets the Energy Star® guidelines for energy efficiency. Refer to the combination ratings in the Product Data for system combinations that meet Energy Star® guidelines.

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.

INDUSTRY LEADING FEATURES / BENEFITS

Efficiency

- 13 SEER/ 10.1 - 10.8 EER/ 7.7 - 8.3 HSPF (nominal)
- Microtube Technology™ refrigeration system
- Indoor air quality accessories available

Sound

- Sound level as low as 72 dBA
- Sound levels as low as 70 dBA with accessory sound blanket

Comfort

- System supports Thermidstat™ or standard thermostat controls

Reliability

- Puron® refrigerant - environmentally sound, won't deplete the ozone layer and low lifetime service cost.
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- High pressure switch
- Loss of charge switch
- Filter drier
- Balanced refrigeration system for maximum reliability

Durability

DuraGuard™ protection package:

- Solid, durable sheet metal construction
- Dense wire coil guard
- Baked-on powder paint

Applications

- Long-line - up to 250 feet (76.20 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.38 m) evaporator above condenser (See Longline Guide for more information.)
- Low ambient (down to -20°F/-28.9°C) with accessory kit

Warranty

- 5 year limited compressor warranty
- 5 year limited parts warranty

MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12	14
N	N	N	A	A/N	N	N	N	N	A/N	A/N	N	A
2	1	3	A	N	A	0	3	6	0	0	0	0
Product Family	Tier	SEER	Major Series	Voltage	Variations	Cooling Capacity			Open	Open	Open	Minor Series
2=HP	1= Legacy RNC	3=13 SEER	A=Puron	N= 208-230-1 or 208/230-1	A = Standard				0=Not Defined	0=Not Defined	0=Not Defined	A = Original Series



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

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STANDARD FEATURES

Feature	18	24	30	36	42	48	60
Puron Refrigerant	X	X	X	X	X	X	X
Maximum SEER Rating	14	14	14	14.5	14	14	13.5
Scroll Compressor	X	X	X	X	X	X	X
Dense Wire Coil Guard	X	X	X	X	X	X	X
Field Installed Filter Drier	X	X	X	X	X	X	X
Front Seating Service Valves	X	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X	X
Long Line capability	X	X	X	X	X	X	X
Low Ambient capability with Kit	X	X	X	X	X	X	X
Suction Line Accumulator	X	X	X	X	X	X	X
High Pressure Switch	X	X	X	X	X	X	X
Loss of Charge Switch	X	X	X	X	X	X	X

X = Standard

PHYSICAL DATA

UNIT SIZE SERIES	018-E	024-C	030-D	036-D	042-C	048-D	060-D
Operating Weight lb (kg)	148 (67.13)	162 (73.48)	186 (84.37)	172 (78.02)	246 (111.58)	240 (108.86)	250 (113.40)
Shipping Weight lb (kg)	174 (78.93)	189 (85.73)	215 (97.52)	207 (93.89)	278 (126.10)	273 (123.8)	282 (127.91)
Compressor Type	Scroll						
REFRIGERANT	Puron® (R-410A)						
Control	TXV (Puron Hard Shutoff)						
Charge lb (kg)	4.89 (2.22)	5.50 (2.49)	7.45 (3.38)	6.49 (2.94)	8.14 (3.69)	11.12 (5.04)	11.00 (4.99)
Outdoor Heating Piston #	42	46	55	57	61	63	76
COND FAN	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	2196	2614	2614	3472	3810	4046	4046
Motor HP	1/10	1/10	1/10	1/8	1/5	1/4	1/4
Motor RPM	1100	1100	1100	800	800	800	800
COND COIL							
Face Area (Sq ft)	14.77	15.09	21.56	17.60	25.15	17.60	17.60
Fins per In.	25	20	20	20	20	20	20
Rows	1	1	1	1	1	2	2
Circuits	4	5	5	6	6	8	8
VALVE CONNECT. (In.) ID							
Vapor	5/8	5/8	3/4	3/4	7/8	7/8	7/8
Liquid	3/8						
REFRIGERANT TUBES* (In.) OD							
Rated Vapor*	5/8	5/8	3/4	3/4	7/8	7/8	1-1/8
Liquid	3/8						

*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.

Note: See unit Installation Instruction for proper installation.

VAPOR LINE SIZING AND COOLING CAPACITY LOSS

LONG LINE APPLICATION: An application is considered "Long line" when the total equivalent tubing length exceeds 80 ft. (24.38 m) or when there is more than 20 ft. (6.09 m) vertical separation between indoor and outdoor units. These applications require additional accessories and system modifications for reliable system operation. The maximum allowable total equivalent length is 250 ft. (76.2 m). The maximum vertical separation is 200 ft. (60.96 m)

when outdoor unit is above indoor unit, and up to 80 ft. (24.4 m) when the outdoor unit is below the indoor unit. Refer to Accessory Usage Guideline below for required accessories. See Longline Application Guideline for required piping and system modifications. Also, refer to the table below for vapor tube diameters based on the total length to minimize the cooling capacity loss.

Unit Nominal Size (Btuh)	Maximum Liquid Line Diameters (In. OD)	Vapor Line Diameters (In. OD)	Cooling Capacity Loss (%) Total Equivalent Line Length ft. (m)								
			Standard Application		Long Line Application Requires Accessories						
			26-50 (7.9-15.2)	51-80 (15.5-24.4)	81-100 (24.7-30.5)	101-125 (30.8-38.1)	126-150 (38.4-45.7)	151-175 (46.0-50.3)	176-200 (53.6-60.0)	201-225 (61.3-68.6)	226-250 (68.9-76.2)
18,000 1-Stage Puron HP	3/8	1/2	1	2	3	4	6	7	8	9	10
		5/8	0	0	1	1	1	2	2	3	3
24,000 1-Stage Puron HP		5/8	0	1	1	2	3	3	4	4	5
		3/4	0	0	0	0	1	1	1	1	1
30,000 1-Stage Puron HP		5/8	1	2	3	3	4	5	6	7	8
		3/4	0	0	1	1	1	2	2	2	3
		7/8	0	0	0	0	1	1	1	1	1
36,000 1-Stage Puron HP		5/8	1	2	4	5	6	7	9	10	11
		3/4	0	0	1	1	2	2	3	3	4
		7/8	0	0	0	0	1	1	1	1	2
42,000 1-Stage Puron HP	3/4	0	1	2	2	3	4	4	5	6	
	7/8	0	0	1	1	1	2	2	2	3	
48,000 1-Stage Puron HP	3/4	0	1	2	3	4	5	5	6	7	
	7/8	0	0	1	1	2	2	2	3	3	
60,000 1-Stage Puron HP	3/4	1	2	4	5	6	7	9	10	11	
	7/8	0	1	2	2	3	4	4	5	5	
		1-1/8	0	0	0	1	1	1	1	1	1

Applications in this area are long line. Accessories are required as shown recommended on Long Line Application Guidelines

Applications in this area may have height restrictions that limit allowable total equivalent length, when outdoor unit is below indoor unit. See Long Line Application Guidelines

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ACCESSORIES

ORDER NUMBER	DESCRIPTION	018-E	024-C	030-D	036-D	042-C	048-D	060-D
HC34GE240	BALL BEARING MOTOR	X	X	X				
HC36GE232	BALL BEARING MOTOR				X			
HC38GE228	BALL BEARING MOTOR					X		
HC40GE228	BALL BEARING MOTOR						X	X
KAACH1701AAA	CRANKCASE HTR	X	X	X	X			
KAACH1601AAA	CRANKCASE HTR					X		
STANDARD	CRANKCASE HTR						S	S
KSACY0101AAA	CYCLE PROTECTOR	X	X	X	X	X	X	X
KAAFT0101AAA	FREEZE THERMOSTAT	X	X	X	X	X	X	X
KSAHS1701AAA	HARD START	X	X	X	X	X	X	X
KHAIR0101AAA	ISOLATION RELAY	X	X	X	X	X	X	X
KSALA0301410	LOW AMBIENT PSW	X	X	X	X	X	X	X
KSALA0601AAA†	MOTORMASTER 230V	X	X	X	X	X	X	X
KHAOT0201SEC	OUTDOOR THERMOSTAT	X	X	X	X	X	X	X
KHAOT0301FST	OUTDOOR THERMOSTAT	X	X	X	X	X	X	X
KHALS0401LLS	SOLENOID VALVE	X	X	X	X	X	X	X
KHASS0606MPK*	SNOW STAND RACK	X	X	X	X	X	X	X
KSASH0601COP	SOUND BLKT	X	X	X	X	X	X	
KSASH2101COP	SOUND BLKT							X
KAACS0201PTC	START ASSIST PTC	X	X	X	X	X	X	X
KSASF0101AAA	SUPPORT FEET	X	X	X	X	X	X	X
KAATD0101TDR	TIME DELAY RELAY	X	X	X	X	X	X	X
KSATX0201PUR	TXV PURON HSO	X	X	X				
KSATX0301PUR	TXV PURON HSO				X	X		
KSATX0401PUR	TXV PURON HSO						X	
KSATX0501PUR	TXV PURON HSO							X

x = Accessory S = Standard

* Available through RCD

† Required accessories include ball bearing fan motor, compressor start assist (CAP / Relay), crankcase heater, evaporator freeze stat, isolation relay, hard shut-off TXV or liquid line solenoid valve.

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ACCESSORY THERMOSTATS

THERMOSTAT / SUBBASE PKG.	DESCRIPTION
T6-PRH-01	Programmable Thermidistat
T6-NRH-01	Non-programmable Thermidistat
T6-PHP-01	Preferred Series Programmable HP Stat
T6-NHP-01	Preferred Series Non-programmable HP Stat
T2-PHP-01	Legacy Series Programmable HP Stat
T2-NHP-01	Legacy Series Non-programmable HP Stat
T1-PHP-01	Legacy RNC Series Programmable HP Stat
T1-NHP-01	Legacy RNC Series Non-programmable HP Stat
TSTATBBPRH01-B*	Thermidistat™ Control — Non-Programmable/Programmable Thermostat with Humidity Control (For use in Dual Fuel, AC, HP, and 2S applications. Includes Outdoor Air Temperature Sensor.)
TSTATBBPHH01-B*	HybridHeat™ (Dual Fuel) Thermostat — Auto Changeover, 7-Day Programmable, °F/°C, Includes Outdoor Sensor (TSTATXXSEN01-B)
TSTATBBPHP01-B	Thermostat — Auto Changeover, 7-Day Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool
TSTATBBNHP01-C	Thermostat — Auto Changeover, Non-Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool
TSTATBBSHP01	Standard Programmable Thermostat—Manual Changeover, 5-2 Day Programmable, °F/°C, 1-Stage Heat/ 1-Stage Cool
TSTATBBBHP01*-B	Builder's Thermostat — Heat Pump, Non-Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool, Manual Changeover
TSTATXXSEN01-B**	Outdoor Air Temperature Sensor
TSTATXXNBP01	Backplate for Non-Programmable Thermostat
TSTATXXBP01	Backplate for Programmable Thermostat and Thermidistat™ Control
TSTATXXSBP01	Backplate for Standard Programmable Thermostat
TSTATXXBBP01	Backplate for Builder's Thermostat
TSTATXXCNV10†	Thermostat Conversion Kit (4 to 5 Wire) — 10 Pack

* Do not use in zoning heat pump applications.

** Outdoor temperature sensor is an accessory for all Bryant electronic thermostats, except the non-programmable air conditioner version and builder's thermostats. It allows the temperature at a remote location (outdoors) to be displayed on the thermostat. The outdoor air temperature sensor must be used with the HybridHeat™ (dual fuel) thermostat.

† Thermostat conversion kit is a 24-vac accessory that can turn a 4-wire thermostat application into a 5-wire application. This kit can also be used to replace a broken thermostat wire, or add an extra wire when needed.

The outdoor air temperature sensor is included with the Thermidistat Control and HybridHeat™ (dual fuel) thermostat.

ACCESSORY USAGE GUIDELINE

Accessory	REQUIRED FOR LOW – AMBIENT COOLING APPLICATIONS (Below 55°F / 12.8°C)	REQUIRED FOR LONG LINE APPLICATIONS* (Over 80 ft. / 24.38 m)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles / 3.22 km)
Accumulator	Standard	Standard	Standard
Ball Bearing Fan Motor	Yes†	No	No
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Hard Shutoff TXV	Yes	Yes	Yes
Isolation Relay	Yes	No	No
Liquid Line Solenoid Valve	No	See Long – Line Application Guideline	No
Motor Master® Control or Low Ambient 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 Split – System Longline Application Guideline.

† Additional requirement for Low – Ambient Controller (full modulation feature) MotorMaster® Control.

Accessory Description and Usage (Listed Alphabetically)

1. Ball-Bearing Fan Motor

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

Usage Guideline:

Required on all units when using MotorMaster®

2. Compressor Start Assist - Capacitor and Relay

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

Usage Guideline:

Required for reciprocating compressors in the following applications:

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

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

- Long line
- Low ambient cooling

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

3. Compressor Start Assist — PTC Type

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

Usage Guideline:

Suggested in installations with marginal power supply.

4. Crankcase Heater

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

Usage Guideline:

- Required in low ambient cooling applications.
- Required in long line applications.
- Suggested in all commercial applications.

5. Evaporator Freeze Thermostat

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

Usage Guideline:

Required when low ambient kit has been added.

6. 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.

7. 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.

8. Low-Ambient Pressure Switch Kit

A long life pressure switch which is mounted to outdoor unit service valve. It is designed to cycle the outdoor fan motor in order to maintain head pressure within normal operating limits. The control will maintain working head pressure at low-ambient temperatures down to 0°F (-18°C) when properly installed.

Usage Guideline:

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

9. MotorMaster® Low-Ambient Controller

A fan-speed control device activated by a temperature sensor, designed to control condenser fan motor speed in response to the saturated, condensing temperature during operation in cooling mode only. For outdoor temperatures down to -20°F (-28.9°C), it maintains condensing temperature at 100°F ±10°F (37.8°C ± 6.5°C).

Usage Guideline:

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

Suggested for all commercial applications.

Accessory Description and Usage (Listed Alphabetically) - CONTINUED

10. Outdoor Air Temperature Sensor

Designed for use with Bryant 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 Bryant thermostats listed in this publication.

11. 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.

12. 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 3-stage operation.

13. Snow Stand Rack

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.

14. Sound Hood

Wraparound sound reducing cover for the compressor. Reduces the sound level by about 2 dBA.

Usage Guideline:

Suggested when unit is installed closer than 15 ft. (4.577 m) to quiet areas, bedrooms, etc.

Suggested when unit is installed between two houses less than 10 ft. (3.05 m) apart.

15. 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 ARI rating and system reliability, where indoor not equipped.

Required in all heat pump applications designed with Puron refrigerant.

16. Time-Delay Relay

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

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

Usage Guideline:

Accessory required to meet ARI rating, where indoor not equipped.

ELECTRICAL DATA

UNIT SIZE – SERIES	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE†	MIN WIRE SIZE†	MAX LENGTH ft (m)‡	MAX LENGTH ft (m)‡	MAX FUSE** or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA		60° C	75° C	60° C	75° C	
018–E	208/230/1	253	197	48.0	9.0	0.8	12.0	14	14	66 (20.1)	62 (18.9)	20
024–C				58.3	12.8	0.75	16.8	14	14	47 (14.3)	45 (13.7)	25
030–D				77.0	16.0	0.8	20.8	12	12	58 (17.7)	56 (17.1)	30
036–D				79.0	16.7	0.9	21.7	12	12	58 (17.7)	55 (16.8)	35
042–C				109.0	19.9	1.2	26.0	10	10	77 (23.5)	73 (22.3)	40
048–D				117.0	21.8	1.2	28.4	8	8	109 (33.2)	104 (31.7)	50
060–D				134.0	26.3	1.2	34.1	8	8	91 (27.7)	87 (26.5)	50

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

† If wire is applied at ambient greater than 30°C, consult table 310–16 of the NEC (ANSI/NFPA 70). The ampacity of non–metallic–sheathed cable (NM), trade name ROMEX, shall be that of 60°C conditions, per the NEC (ANSI/NFPA 70) Article 336–26. If other than uncoated (no–plated), 60 or 75°C insulation, copper wire (solid wire for 10 AWG or smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (ANSI/NFPA 70).

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

** Time–Delay fuse.

FLA – Full Load Amps

LRA – Locked Rotor Amps

MCA – Minimum Circuit Amps

RLA – Rated Load Amps

NOTE: Control circuit is 24–V on all units and requires external power source. Copper wire must be used from service disconnect to unit.

All motors/compressors contain internal overload protection.

Complies with 2001 requirements of ASHRAE Standards 90.1

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A-WEIGHTED SOUND POWER

UNIT SIZE – SERIES	STANDARD RATING (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018–E	74	52.0	63.5	68.0	70.5	66.5	62.0	57.5
024–C	75	54.5	64.0	69.0	69.5	67.5	64.0	58.0
030–D	74	52.0	62.5	66.5	68.5	65.0	63.5	59.0
036–D	72	55.0	62.0	63.5	66.0	64.0	61.5	54.0
042–C	77	55.5	60.0	63.5	71.5	65.0	62.5	59.0
048–D	77	58.0	65.5	68.5	72.0	66.5	60.5	53.0
060–D	77	55.0	63.0	67.5	71.5	68.0	64.0	60.5

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

A-WEIGHTED SOUND POWER WITH SOUND HOOD

UNIT SIZE – SERIES	STANDARD RATING (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018–E	73	52.5	63.0	67.5	69.0	66.0	62.0	55.5
024–C	74	54.0	63.5	69.0	69.0	67.5	63.5	57.5
030–D	74	51.5	62.0	66.5	67.5	64.5	62.0	57.5
036–D	70	54.5	62.0	63.5	64.5	63.0	60.0	51.5
042–C	75	55.0	60.5	63.5	69.0	64.5	61.5	56.0
048–D	74	58.0	64.5	69.0	68.5	66.0	60.0	53.0
060–D	74	55.0	63.5	67.0	69.0	66.5	62.0	57.0

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

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

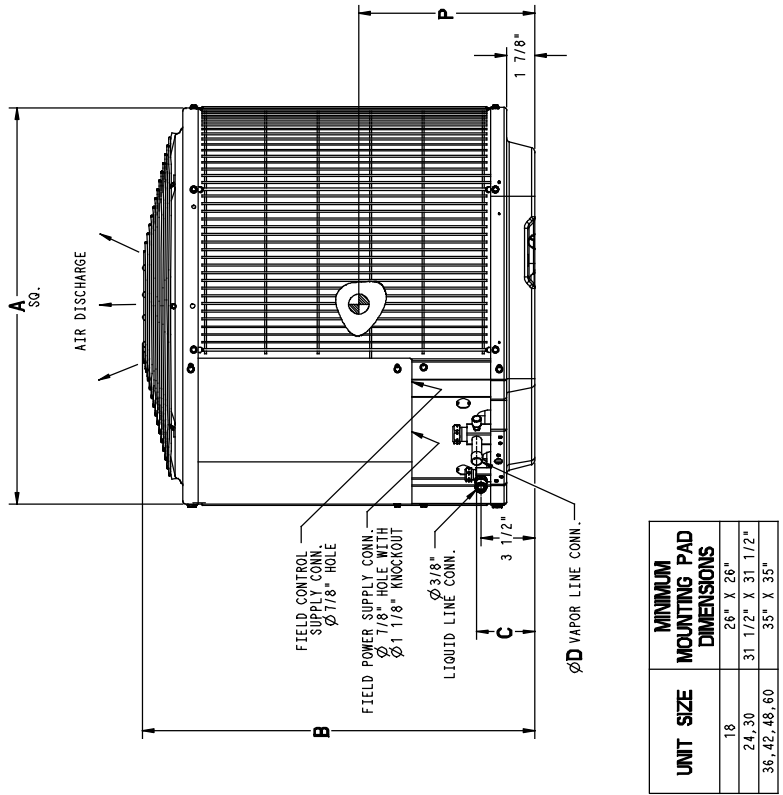
UNIT SIZE – SERIES	REQUIRED SUBCOOLING ° F (° C)
018–E	10 (5.6)
024–C	12 (6.7)
030–D	12 (6.7)
036–D	9 (5.0)
042–C	11 (6.1)
048–D	11 (6.1)
060–D	12 (6.7)

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)	
213A018	E	X	0	0	25 3/4"	35 1/4"	3 3/4"	5/8"	21 1/4"	9 1/8"	2 13/16"	1/2"	13 1/2"	14 1/2"	14"	148	174	26 7/8" X 30 1/16" X 39 3/8"	
213A024	C	X	0	0	31 3/16"	28 15/16"	3 3/4"	5/8"	24 11/16"	9 1/8"	2 13/16"	1/2"	15 5/8"	16 3/4"	14 1/2"	162	189	32 3/8" X 35 1/2" X 32 9/16"	
213A030	D	X	0	0	31 3/16"	39 1/8"	3 3/4"	3/4"	24 11/16"	9 1/8"	2 13/16"	1/2"	16 1/2"	15 1/2"	17"	186	215	32 3/8" X 35 1/2" X 42 3/4"	
213A036	D	X	0	0	35"	28 15/16"	3 3/4"	3/4"	28 7/16"	9 1/8"	2 13/16"	1/2"	15 1/2"	15 3/4"	12 1/2"	207	278	36 1/8" X 39 5/16" X 32 9/16"	
213A042	C	X	0	0	35"	39 1/8"	3 7/8"	7/8"	28 7/16"	9 1/8"	2 15/16"	5/8"	17 1/4"	19 1/8"	15 3/4"	246	278	36 1/8" X 39 5/16" X 42 3/4"	
213A048	D	X	0	0	35"	28 15/16"	3 7/8"	7/8"	28 7/16"	9 1/8"	2 15/16"	5/8"	17"	16"	12"	240	273	36 1/8" X 39 5/16" X 32 9/16"	
213A060	D	X	0	0	35"	28 15/16"	3 7/8"	7/8"	28 7/16"	9 1/8"	2 15/16"	5/8"	17"	16"	12"	250	282	36 1/8" X 39 5/16" X 32 9/16"	

X = YES
0 = NO

- NOTES:
- ALLOW 30" CLEARANCE TO SERVICE SIDE OF UNIT, 48" ABOVE UNIT, 6" ON ONE SIDE, 12" ON REMAINING SIDE, AND 24" BETWEEN UNITS FOR PROPER AIRFLOW.
 - MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 55°F, MAX. 125°F.
 - SERIES DESIGNATION IS THE 10TH POSITION OF THE UNIT MODEL NUMBER.
 - CENTER OF GRAVITY
 - ALL DIMENSIONS ARE IN " INCHES" UNLESS NOTED.



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


DIMENSIONS - SI

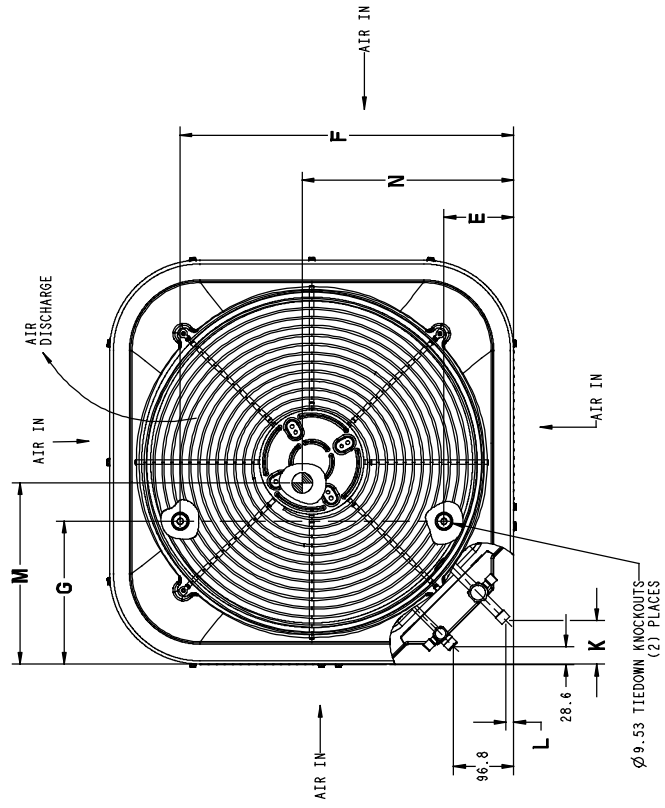
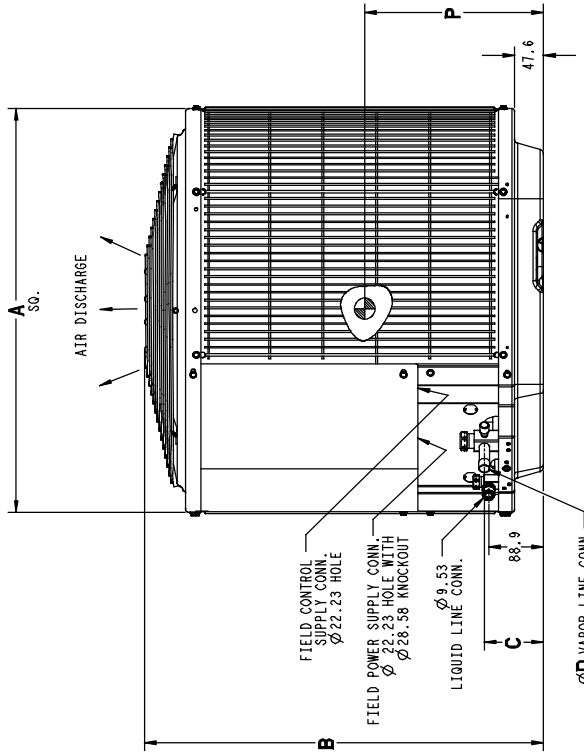
UNIT	SERIES	ELECTRICAL CHARACTERISTICS		A	B	C	D	E	F	G	K	L	M	N	P	OPERATING WEIGHT (Kgs)	SHIPPING WEIGHT (Kgs)	SHIPPING DIMENSIONS (L x W x H)			
213A018	E	X	0	0	654.0	895.4	95.2	15.9	112.7	539.8	231.8	342.9	368.3	355.6	67.1	78.9	682.6	X	763.6	X	1000.1
213A024	C	X	0	0	792.2	735.0	95.2	15.9	166.7	627.1	231.8	398.9	425.4	368.3	73.5	85.7	822.3	X	901.7	X	827.1
213A030	D	X	0	0	792.2	993.8	95.2	19.0	166.7	627.1	231.8	419.1	393.7	431.8	84.4	97.5	822.3	X	901.7	X	1085.8
213A036	D	X	0	0	889.0	735.0	95.2	19.0	166.7	722.3	231.8	393.7	400.0	371.5	78.0	93.9	917.6	X	998.6	X	827.1
213A042	C	X	0	0	889.0	993.8	98.4	22.2	166.7	722.3	231.8	431.8	485.8	400.0	111.6	126.1	917.6	X	998.6	X	1085.8
213A048	D	X	0	0	889.0	735.0	98.4	22.2	166.7	722.3	231.8	431.8	406.4	304.8	108.9	123.8	917.6	X	998.6	X	827.1
213A060	D	X	0	0	889.0	735.0	98.4	22.2	166.7	722.3	231.8	431.8	406.4	304.8	113.4	127.9	917.6	X	998.6	X	827.1

X = YES
O = NO

208-230-160	230-160	208/230-3-60	460-3-60
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NOTES:

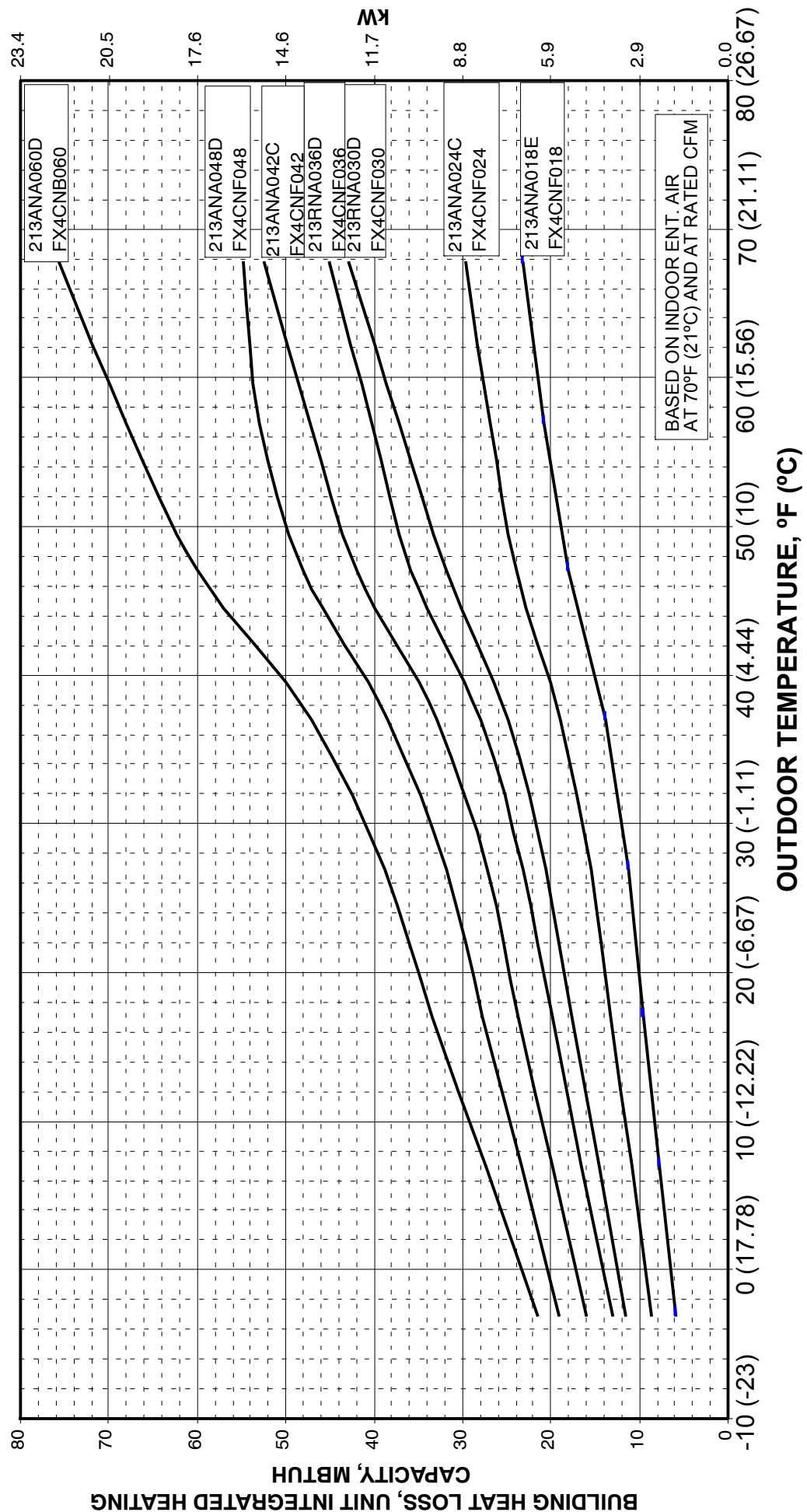
1. ALLOW 762.0 CLEARANCE TO SERVICE SIDE OF UNIT, 1219.2 ABOVE UNIT, 152.4 ON ONE SIDE, 304.8 ON REMAINING SIDE, AND 609.6 BETWEEN UNITS FOR PROPER AIRFLOW.
2. MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 13 C, MAX. 52 C.
3. SERIES DESIGNATION IS THE 10TH POSITION OF THE UNIT MODEL NUMBER.
4. CENTER OF GRAVITY 
5. ALL DIMENSIONS ARE IN "MM" UNLESS NOTED.



UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18	660.4 X 660.4
24, 30	800.1 X 800.1
36, 42, 48, 60	889.0 X 889.0

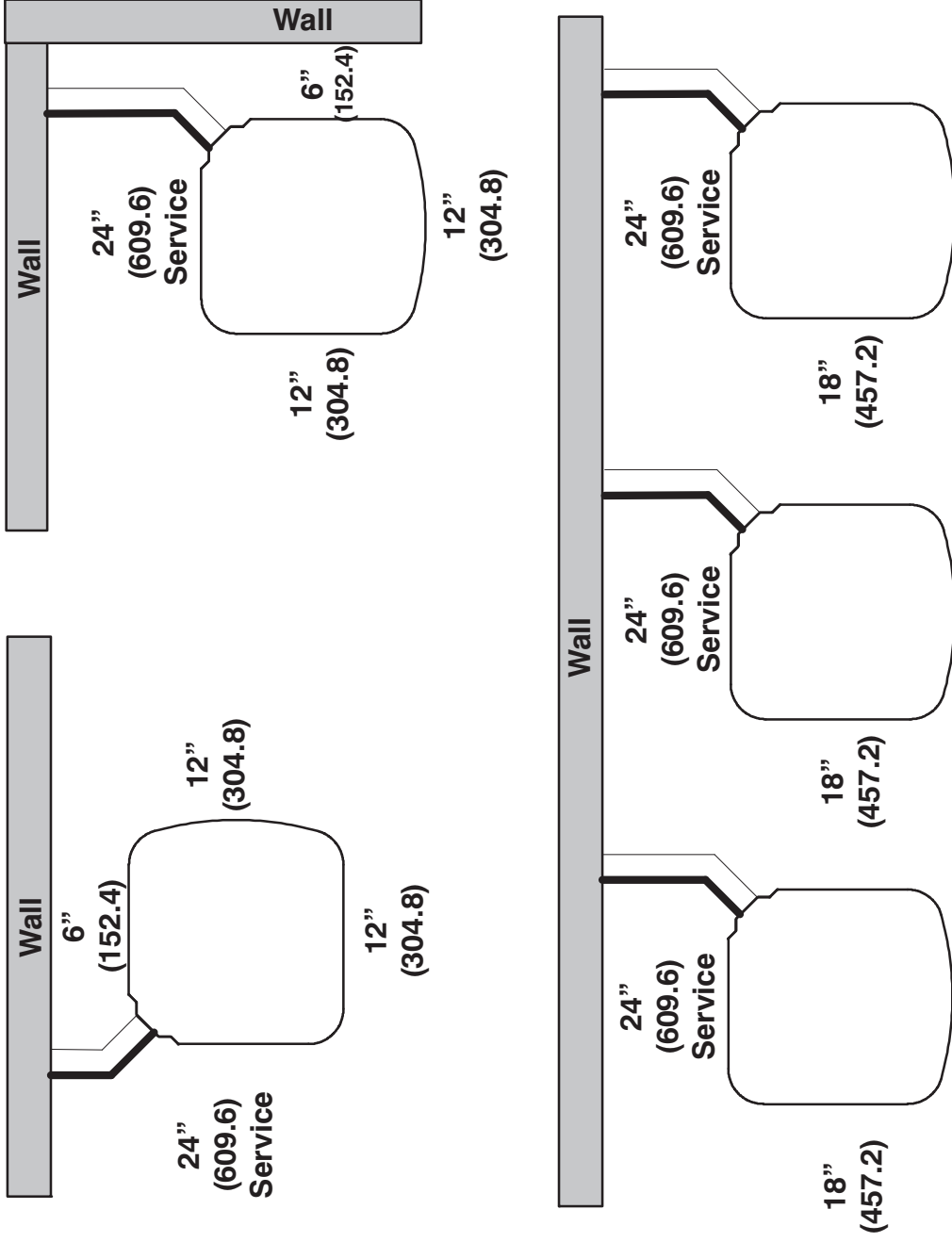
213A

213A BALANCE POINT WORKSHEET



CLEARANCES

Clearances (various examples)



Note: Numbers in () = mm

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

COMBINATION RATINGS

213A

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3026270	213ANA018-E	†FY4ANF018		17200	10.7	13.00	18000	3.30	7.7	10800	2.20
3026297	213ANA018-E	FE4ANF002+UI		17800	12.0	14.00	17300	3.58	8.2	10200	2.36
3026298	213ANA018-E	FF1ENP018		17200	10.6	13.00	18000	3.30	7.7	10800	2.20
3026299	213ANA018-E	FF1ENP024		17400	10.8	13.00	18000	3.36	7.7	10800	2.22
3026300	213ANA018-E	FV4BNF002		17800	12.0	14.00	17300	3.58	8.2	10200	2.36
3026307	213ANA018-E	FX4CNF018		17400	11.5	14.50	17400	3.50	8.0	10400	2.32
3026308	213ANA018-E	FX4CNF024		17600	12.0	14.75	17200	3.56	8.1	10400	2.36
3026296	213ANA018-E	FY4ANF024		17300	10.6	13.00	18000	3.32	7.7	10900	2.20
3026301	213ANA018-E	CAP**1814A**	313*AV024045	17200	11.5	14.00	17200	3.38	7.7	10300	2.28
3026271	213ANA018-E	CAP**1814A**	315(A,J)AV036070	17100	11.5	14.00	17100	3.28	7.7	10100	2.24
3026302	213ANA018-E	CAP**2414A**	313*AV024045	17400	12.0	14.75	17400	3.56	8.1	10400	2.36
3026273	213ANA018-E	CAP**2414A**	315(A,J)AV036070	17400	12.0	14.00	17400	3.42	7.7	10200	2.30
3026272	213ANA018-E	CAP**2414A**+TDR		17500	10.8	13.00	18000	3.40	7.7	10900	2.24
3026276	213ANA018-E	CAP**2417A**	315(A,J)AV048090	17400	12.0	14.75	17200	3.44	7.7	10200	2.32
3121888	213ANA018-E	CAP**2417A**	353AAV036040	18000	12.0	15.00	17600	3.72	8.2	10400	2.44
3121889	213ANA018-E	CAP**2417A**	353AAV036060	17900	12.0	15.00	17500	3.64	8.2	10300	2.40
3026275	213ANA018-E	CAP**2417A**	355(A,C)AV042060	17400	12.0	14.00	17400	3.44	7.7	10200	2.32
3026274	213ANA018-E	CAP**2417A**+TDR		17500	10.8	13.00	18000	3.40	7.7	10900	2.24
3026289	213ANA018-E	CNPF*2418A**+TDR		17500	10.8	13.00	18000	3.46	7.7	10900	2.24
3026305	213ANA018-E	CNPH*2417A**	313*AV024045	17400	12.0	14.75	17400	3.58	8.2	10400	2.36
3026287	213ANA018-E	CNPH*2417A**	315(A,J)AV036070	17400	12.0	14.00	17400	3.46	7.7	10200	2.32
3026288	213ANA018-E	CNPH*2417A**	315(A,J)AV048090	17500	12.0	14.00	17500	3.50	7.7	10200	2.32
3121892	213ANA018-E	CNPH*2417A**	17900	12.0	15.00	17700	3.70	8.2	10400	2.40	
3121893	213ANA018-E	CNPH*2417A**	353AAV036060	17600	12.0	14.50	17500	3.58	8.2	10300	2.36
3026284	213ANA018-E	CNPH*2417A**	355(A,C)AV042040	17400	12.0	14.00	17500	3.48	7.7	10200	2.32
3026285	213ANA018-E	CNPH*2417A**	355(A,C)AV042060	17400	12.0	14.00	17500	3.48	7.7	10200	2.32
3026286	213ANA018-E	CNPH*2417A**	355(A,C)AV042080	17500	12.0	14.00	17500	3.48	7.7	10200	2.32
3026283	213ANA018-E	CNPH*2417A**+TDR		17500	10.8	13.00	18000	3.46	7.7	10900	2.24
3026303	213ANA018-E	CNPV*1814A**	313*AV024045	17200	11.5	14.50	17400	3.46	7.7	10300	2.32
3026278	213ANA018-E	CNPV*1814A**	315(A,J)AV036070	17300	11.5	14.00	17400	3.40	7.7	10200	2.28
3026277	213ANA018-E	CNPV*1814A**+TDR		17400	10.8	13.00	18000	3.38	7.7	10900	2.22
3026304	213ANA018-E	CNPV*2414A**	313*AV024045	17400	12.0	14.75	17400	3.58	8.2	10400	2.36
3026280	213ANA018-E	CNPV*2414A**	315(A,J)AV036070	17400	12.0	14.00	17400	3.46	7.7	10200	2.32
3026279	213ANA018-E	CNPV*2414A**+TDR		17500	10.8	13.00	18000	3.46	7.7	10900	2.32
3121890	213ANA018-E	CNPV*2417A**	353AAV036040	17900	12.0	15.00	17700	3.70	8.2	10400	2.40
3121891	213ANA018-E	CNPV*2417A**	353AAV036060	17600	12.0	14.50	17500	3.58	8.2	10300	2.36
3026282	213ANA018-E	CNPV*2417A**	355(A,C)AV042060	17400	12.0	14.00	17500	3.48	7.7	10200	2.32
3026281	213ANA018-E	CNPV*2417A**+TDR		17500	10.8	13.00	18000	3.46	7.7	10900	2.24
3026306	213ANA018-E	CSPH*2412A**	313*AV024045	17400	12.0	14.75	17200	3.56	8.2	10400	2.34
3026294	213ANA018-E	CSPH*2412A**	315(A,J)AV036070	17500	12.0	14.00	17400	3.48	7.7	10200	2.32
3026295	213ANA018-E	CSPH*2412A**	315(A,J)AV048090	17600	12.0	14.00	17500	3.50	7.7	10300	2.32
3121894	213ANA018-E	CSPH*2412A**	353AAV036040	17900	12.0	15.00	17400	3.64	8.2	10400	2.38
3121895	213ANA018-E	CSPH*2412A**	353AAV036060	17600	12.0	14.50	17300	3.50	8.2	10200	2.34
3026291	213ANA018-E	CSPH*2412A**	355(A,C)AV042040	17600	12.0	14.00	17400	3.48	7.7	10200	2.32
3026292	213ANA018-E	CSPH*2412A**	355(A,C)AV042060	17600	12.0	14.00	17400	3.48	7.7	10200	2.32
3026293	213ANA018-E	CSPH*2412A**	355(A,C)AV042080	17600	12.0	14.00	17500	3.50	7.7	10300	2.32
3026290	213ANA018-E	CSPH*2412A**+TDR		17700	10.8	13.20	18000	3.44	7.7	10900	2.26
3026348	213ANA024-C	†FY4ANF024		22600	10.5	13.00	24000	3.54	8.2	15000	2.48
3026422	213ANA024-C	FF1ENP024		22800	10.7	13.00	24000	3.54	8.2	15200	2.46
3026419	213ANA024-C	FF1ENP030		22800	10.4	13.00	24200	3.56	8.0	15100	2.48
3026421	213ANA024-C	FV4BN(B,F)003		23400	12.0	14.00	23000	3.78	8.5	14300	2.66
3026420	213ANA024-C	FV4BNF002		23200	11.7	14.00	23200	3.80	8.5	14400	2.66
3026431	213ANA024-C	FX4CNF024		23000	11.5	14.00	23800	3.72	8.5	14600	2.60
3026432	213ANA024-C	FX4CNF030		23400	12.0	14.50	23600	3.84	8.7	14600	2.66
3026418	213ANA024-C	FY4ANF030		23000	10.6	13.20	24000	3.64	8.4	15100	2.52
3026423	213ANA024-C	CAP**2414A**	313*AV024045	22800	11.5	14.00	23800	3.68	8.2	14500	2.60
3026350	213ANA024-C	CAP**2414A**	315(A,J)AV036070	22600	11.5	14.00	23400	3.62	8.3	14300	2.58
3026349	213ANA024-C	CAP**2414A**+TDR		22800	10.5	13.00	24400	3.60	8.3	15100	2.50
3026353	213ANA024-C	CAP**2417A**	315(A,J)AV048090	22800	11.7	14.00	23400	3.66	8.4	14300	2.60
3121896	213ANA024-C	CAP**2417A**	353AAV036040	23200	12.0	14.50	23600	3.82	8.6	14500	2.66
3121897	213ANA024-C	CAP**2417A**	353AAV036060	23200	12.0	14.50	23600	3.84	8.6	14500	2.68
3121898	213ANA024-C	CAP**2417A**	353AAV036080	23200	12.0	14.50	23400	3.80	8.5	14500	2.66
3026352	213ANA024-C	CAP**2417A**	355(A,C)AV042060	22800	11.7	14.00	23400	3.64	8.4	14300	2.58
3026351	213ANA024-C	CAP**2417A**+TDR		22800	10.5	13.00	24400	3.60	8.3	15100	2.50
3026424	213ANA024-C	CAP**3014A**	313*AV024045	23200	11.5	14.50	23000	3.70	8.6	14500	2.62
3026355	213ANA024-C	CAP**3014A**	315(A,J)AV036070	23000	11.7	14.00	23000	3.64	8.4	14400	2.60
3026354	213ANA024-C	CAP**3014A**+TDR		23000	10.6	13.00	23400	3.56	8.3	15200	2.52
3026358	213ANA024-C	CAP**3017A**	315(A,J)AV048090	23000	11.7	14.00	23000	3.68	8.5	14300	2.62
3121899	213ANA024-C	CAP**3017A**	353AAV036040	23600	12.0	14.50	22600	3.82	8.6	14500	2.70
3121900	213ANA024-C	CAP**3017A**	353AAV036060	23600	12.0	14.50	22600	3.82	8.6	14500	2.70
3121901	213ANA024-C	CAP**3017A**	353AAV036080	23400	12.0	14.50	22800	3.80	8.6	14500	2.68
3026357	213ANA024-C	CAP**3017A**	355(A,C)AV042060	23000	11.7	14.00	23000	3.68	8.5	14300	2.62
3026356	213ANA024-C	CAP**3017A**+TDR		23000	10.6	13.00	23400	3.56	8.3	15200	2.52
3026393	213ANA024-C	CNPF*2418A**+TDR		22800	10.5	13.00	24400	3.68	8.5	15200	2.52
3026427	213ANA024-C	CNPH*2417A**	313*AV024045	22800	11.5	14.00	23800	3.72	8.6	14500	2.60

See notes on page 22

COMBINATION RATINGS CONTINUED

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3026376	213ANA024-C	CNPH*2417A**	315(A,J)AV036070	22600	11.5	14.00	23600	3.68	8.4	14400	2.58
3026377	213ANA024-C	CNPH*2417A**	315(A,J)AV048090	22800	11.6	14.00	23600	3.72	8.5	14400	2.62
3026378	213ANA024-C	CNPH*2417A**	315(A,J)AV060110	22800	11.5	14.00	23600	3.70	8.5	14400	2.60
3026379	213ANA024-C	CNPH*2417A**	315(A,J)AV066135	22800	11.5	14.00	23600	3.70	8.5	14400	2.60
3026380	213ANA024-C	CNPH*2417A**	315(A,J)AV066155	22800	11.5	14.00	23600	3.72	8.5	14400	2.60
3121908	213ANA024-C	CNPH*2417A**	353AAV036040	23000	12.0	14.50	23600	3.82	8.6	14500	2.64
3121909	213ANA024-C	CNPH*2417A**	353AAV036060	23000	11.5	14.50	23600	3.84	8.6	14500	2.66
3121910	213ANA024-C	CNPH*2417A**	353AAV036080	23000	11.5	14.50	23600	3.80	8.6	14500	2.64
3026370	213ANA024-C	CNPH*2417A**	355(A,C)AV042040	22800	11.5	14.00	23600	3.70	8.5	14400	2.60
3026371	213ANA024-C	CNPH*2417A**	355(A,C)AV042060	22800	11.5	14.00	23600	3.70	8.5	14400	2.60
3026372	213ANA024-C	CNPH*2417A**	355(A,C)AV042080	22800	11.5	14.00	23600	3.70	8.5	14400	2.60
3026373	213ANA024-C	CNPH*2417A**	355(A,C)AV060080	22800	11.5	14.00	23600	3.70	8.5	14400	2.60
3026374	213ANA024-C	CNPH*2417A**	355(A,C)AV060100	22800	11.5	14.00	23600	3.72	8.5	14400	2.60
3026375	213ANA024-C	CNPH*2417A**	355(A,C)AV060120	22600	11.5	14.00	23600	3.66	8.4	14400	2.58
3026369	213ANA024-C	CNPH*2417A**+TDR		22800	10.5	13.00	24400	3.68	8.5	15200	2.52
3026428	213ANA024-C	CNPH*3017A**	313*AV024045	23200	12.0	14.50	23000	3.72	8.6	14500	2.64
3026388	213ANA024-C	CNPH*3017A**	315(A,J)AV036070	23000	11.7	14.00	23000	3.66	8.5	14300	2.60
3026389	213ANA024-C	CNPH*3017A**	315(A,J)AV048090	23000	11.7	14.00	23000	3.70	8.5	14300	2.62
3026390	213ANA024-C	CNPH*3017A**	315(A,J)AV060110	23000	11.7	14.00	23000	3.70	8.5	14400	2.62
3026391	213ANA024-C	CNPH*3017A**	315(A,J)AV066135	23000	11.7	14.00	23000	3.70	8.5	14400	2.62
3026392	213ANA024-C	CNPH*3017A**	315(A,J)AV066155	23000	11.7	14.00	23000	3.70	8.5	14300	2.64
3121911	213ANA024-C	CNPH*3017A**	353AAV036040	23600	12.0	14.50	22600	3.82	8.6	14500	2.70
3121912	213ANA024-C	CNPH*3017A**	353AAV036060	23600	12.0	14.50	22600	3.82	8.6	14600	2.70
3121913	213ANA024-C	CNPH*3017A**	353AAV036080	23400	12.0	14.50	22600	3.80	8.6	14500	2.68
3026382	213ANA024-C	CNPH*3017A**	355(A,C)AV042040	23000	11.7	14.00	23000	3.68	8.5	14400	2.62
3026383	213ANA024-C	CNPH*3017A**	355(A,C)AV042060	23000	11.7	14.00	23000	3.68	8.5	14300	2.62
3026384	213ANA024-C	CNPH*3017A**	355(A,C)AV042080	23000	11.7	14.00	23000	3.68	8.7	14400	2.62
3026385	213ANA024-C	CNPH*3017A**	355(A,C)AV060080	23000	11.7	14.00	23000	3.68	8.5	14400	2.62
3026386	213ANA024-C	CNPH*3017A**	355(A,C)AV060100	23000	11.7	14.00	23000	3.70	8.5	14400	2.62
3026387	213ANA024-C	CNPH*3017A**	355(A,C)AV060120	23000	11.7	14.00	23000	3.66	8.5	14300	2.60
3026381	213ANA024-C	CNPH*3017A**+TDR		23000	10.6	13.00	23400	3.56	8.3	15200	2.52
3026425	213ANA024-C	CNPV*2414A**	313*AV024045	22800	11.5	14.00	23800	3.72	8.6	14500	2.60
3026360	213ANA024-C	CNPV*2414A**	315(A,J)AV036070	22600	11.5	14.00	23400	3.68	8.4	14400	2.58
3026359	213ANA024-C	CNPV*2414A**+TDR		22800	10.5	13.00	24400	3.68	8.5	15200	2.52
3026363	213ANA024-C	CNPV*2417A**	315(A,J)AV048090	22800	11.5	14.00	23400	3.72	8.5	14400	2.62
3121902	213ANA024-C	CNPV*2417A**	353AAV036040	23000	12.0	14.50	23600	3.82	8.6	14500	2.64
3121903	213ANA024-C	CNPV*2417A**	353AAV036060	23000	11.5	14.50	23600	3.84	8.6	14500	2.66
3121904	213ANA024-C	CNPV*2417A**	353AAV036080	23000	11.5	14.50	23600	3.80	8.6	14500	2.64
3026362	213ANA024-C	CNPV*2417A**	355(A,C)AV042060	22800	11.5	14.00	23400	3.70	8.5	14400	2.60
3026361	213ANA024-C	CNPV*2417A**+TDR		22800	10.5	13.00	24400	3.68	8.5	15200	2.52
3026426	213ANA024-C	CNPV*3014A**	313*AV024045	23200	11.5	14.50	23000	3.68	8.6	14500	2.62
3026365	213ANA024-C	CNPV*3014A**	315(A,J)AV036070	23000	11.7	14.00	23000	3.66	8.4	14400	2.60
3026364	213ANA024-C	CNPV*3014A**+TDR		23000	10.6	13.00	23400	3.56	8.3	15200	2.52
3026368	213ANA024-C	CNPV*3017A**	315(A,J)AV048090	23000	11.7	14.00	23000	3.70	8.5	14300	2.62
3121905	213ANA024-C	CNPV*3017A**	353AAV036040	23600	12.0	14.50	22600	3.82	8.6	14500	2.70
3121906	213ANA024-C	CNPV*3017A**	353AAV036060	23600	12.0	14.50	22600	3.82	8.6	14600	2.70
3121907	213ANA024-C	CNPV*3017A**	353AAV036080	23400	12.0	14.50	22600	3.80	8.6	14500	2.68
3026367	213ANA024-C	CNPV*3017A**	355(A,C)AV042060	23000	11.7	14.00	23000	3.68	8.5	14300	2.62
3026366	213ANA024-C	CNPV*3017A**+TDR		23000	10.6	13.00	23400	3.56	8.3	15200	2.52
3026429	213ANA024-C	CSPH*2412A**	313*AV024045	23000	11.5	14.00	23600	3.74	8.6	14500	2.60
3026401	213ANA024-C	CSPH*2412A**	315(A,J)AV036070	22600	11.6	14.00	23400	3.70	8.5	14400	2.60
3026402	213ANA024-C	CSPH*2412A**	315(A,J)AV048090	22600	11.7	14.00	23400	3.74	8.6	14400	2.62
3026403	213ANA024-C	CSPH*2412A**	315(A,J)AV060110	22600	11.5	14.00	23400	3.72	8.5	14500	2.60
3026404	213ANA024-C	CSPH*2412A**	315(A,J)AV066135	22600	11.7	14.00	23400	3.74	8.6	14500	2.60
3026405	213ANA024-C	CSPH*2412A**	315(A,J)AV066155	22600	11.7	14.00	23400	3.74	8.6	14400	2.62
3121914	213ANA024-C	CSPH*2412A**	353AAV036040	23200	12.0	14.50	23400	3.82	8.6	14500	2.64
3121915	213ANA024-C	CSPH*2412A**	353AAV036060	23400	12.0	14.50	23400	3.84	8.6	14500	2.66
3121916	213ANA024-C	CSPH*2412A**	353AAV036080	23200	12.0	14.50	23400	3.80	8.6	14500	2.64
3026395	213ANA024-C	CSPH*2412A**	355(A,C)AV042040	22600	11.5	14.00	23400	3.72	8.5	14500	2.60
3026396	213ANA024-C	CSPH*2412A**	355(A,C)AV042060	22600	11.7	14.00	23400	3.72	8.5	14400	2.60
3026397	213ANA024-C	CSPH*2412A**	355(A,C)AV042080	22600	11.5	14.00	23400	3.74	8.5	14500	2.60
3026398	213ANA024-C	CSPH*2412A**	355(A,C)AV060080	22600	11.6	14.00	23400	3.72	8.5	14400	2.60
3026399	213ANA024-C	CSPH*2412A**	355(A,C)AV060100	22600	11.7	14.00	23400	3.74	8.6	14500	2.62
3026400	213ANA024-C	CSPH*2412A**	355(A,C)AV060120	22600	11.5	14.00	23400	3.70	8.5	14400	2.58
3026394	213ANA024-C	CSPH*2412A**+TDR		22800	10.6	13.00	24200	3.68	8.5	15200	2.54
3026430	213ANA024-C	CSPH*3012A**	313*AV024045	23400	12.0	14.50	23000	3.70	8.6	14500	2.62
3026413	213ANA024-C	CSPH*3012A**	315(A,J)AV036070	23000	11.7	14.00	22800	3.64	8.4	14400	2.60
3026414	213ANA024-C	CSPH*3012A**	315(A,J)AV048090	23000	11.7	14.00	22800	3.68	8.5	14400	2.62
3026415	213ANA024-C	CSPH*3012A**	315(A,J)AV060110	23000	11.7	14.00	22800	3.68	8.5	14400	2.62
3026416	213ANA024-C	CSPH*3012A**	315(A,J)AV066135	23000	11.7	14.00	22800	3.68	8.5	14400	2.62
3026417	213ANA024-C	CSPH*3012A**	315(A,J)AV066155	23000	11.7	14.00	22800	3.68	8.5	14400	2.62
3121917	213ANA024-C	CSPH*3012A**	353AAV036040	23600	12.0	14.50	22600	3.78	8.6	14500	2.68
3121918	213ANA024-C	CSPH*3012A**	353AAV036060	23600	12.0	14.50	22600	3.80	8.6	14500	2.70
3121919	213ANA024-C	CSPH*3012A**	353AAV036080	23400	12.0	14.50	22600	3.76	8.6	14500	2.66
3026407	213ANA024-C	CSPH*3012A**	355(A,C)AV042040	23000	11.7	14.00	22800	3.66	8.5	14400	2.60
3026408	213ANA024-C	CSPH*3012A**	355(A,C)AV042060	23000	11.7	14.00	22800	3.66	8.5	14400	2.60



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COMBINATION RATINGS CONTINUED

213A

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3026409	213ANA024-C	CSPH*3012A**	355(A,C)AV042080	23000	11.7	14.00	22800	3.66	8.5	14400	2.60
3026410	213ANA024-C	CSPH*3012A**	355(A,C)AV060080	23000	11.7	14.00	22800	3.66	8.5	14400	2.60
3026411	213ANA024-C	CSPH*3012A**	355(A,C)AV060100	23000	11.7	14.00	22800	3.68	8.5	14400	2.62
3026412	213ANA024-C	CSPH*3012A**	355(A,C)AV060120	23000	11.7	14.00	22800	3.64	8.4	14400	2.60
3026406	213ANA024-C	CSPH*3012A**+TDR		23000	10.6	13.00	23200	3.56	8.3	15200	2.52
3026519	213ANA030-D	†FY4ANF030		30000	10.8	13.00	30000	3.46	8.0	18700	2.38
3026598	213ANA030-D	FE4AN(B,F)003+UI		30000	12.0	14.00	29800	3.56	8.2	17800	2.48
3026597	213ANA030-D	FE4ANF002+UI		30000	11.5	14.00	30000	3.56	8.2	18000	2.48
3026599	213ANA030-D	FF1ENP030		29800	10.8	13.00	30000	3.40	7.7	18600	2.36
3026600	213ANA030-D	FF1ENP036		30000	10.8	13.00	30000	3.48	8.0	18700	2.38
3026602	213ANA030-D	FV4BN(B,F)003		30000	12.0	14.00	29800	3.56	8.2	17800	2.48
3026601	213ANA030-D	FV4BNF002		30000	11.5	14.00	30000	3.56	8.2	18000	2.48
3026618	213ANA030-D	FX4CN(B,F)036		30000	11.4	13.50	30000	3.60	8.2	18400	2.46
3026617	213ANA030-D	FX4CNF030		30000	11.5	14.00	30000	3.60	8.2	18200	2.46
3026596	213ANA030-D	FY4ANF036		30000	10.7	13.00	30000	3.46	8.0	18800	2.38
3026521	213ANA030-D	CAP**3014A**	315(A,J)AV036070	30000	11.5	14.00	30000	3.44	8.0	18000	2.42
3026520	213ANA030-D	CAP**3014A**+TDR		30000	10.8	13.00	30000	3.46	8.0	18800	2.38
3026603	213ANA030-D	CAP**3017A**	313*AV048070	30000	11.5	14.00	30000	3.50	8.0	18100	2.44
3026524	213ANA030-D	CAP**3017A**	315(A,J)AV048090	30000	11.5	14.00	29800	3.46	8.0	17800	2.44
3121920	213ANA030-D	CAP**3017A**	353AAV036040	30000	11.5	14.00	30000	3.58	8.1	18000	2.48
3121921	213ANA030-D	CAP**3017A**	353AAV036060	30000	11.5	14.00	30000	3.60	8.2	18100	2.48
3121922	213ANA030-D	CAP**3017A**	353AAV036080	30000	11.5	14.00	30000	3.56	8.1	18000	2.48
3121923	213ANA030-D	CAP**3017A**	353AAV048080	30000	11.5	14.00	30000	3.62	8.2	18200	2.50
3026523	213ANA030-D	CAP**3017A**	355(A,C)AV042060	30000	11.5	14.00	29800	3.44	8.0	17900	2.42
3026522	213ANA030-D	CAP**3017A**+TDR		30000	10.8	13.00	30000	3.46	8.0	18800	2.38
3026526	213ANA030-D	CAP**3614A**	315(A,J)AV036070	30000	11.5	14.00	30000	3.46	8.0	18000	2.42
3026525	213ANA030-D	CAP**3614A**+TDR		30000	10.8	13.00	30000	3.50	8.0	18800	2.40
3026604	213ANA030-D	CAP**3617A**	313*AV048070	30000	11.5	14.00	30000	3.54	8.0	18200	2.46
3030936	213ANA030-D	CAP**3617A**	315(A,J)AV048090	30000	11.5	14.00	29800	3.50	8.0	17800	2.46
3121924	213ANA030-D	CAP**3617A**	353AAV036040	30000	11.5	14.50	30000	3.62	8.2	18000	2.50
3121925	213ANA030-D	CAP**3617A**	353AAV036060	30000	11.5	14.00	30000	3.62	8.2	18100	2.50
3121926	213ANA030-D	CAP**3617A**	353AAV036080	30000	11.5	14.50	30000	3.60	8.2	18000	2.50
3121927	213ANA030-D	CAP**3617A**	353AAV048080	30000	11.5	14.00	30000	3.66	8.2	18200	2.50
3026528	213ANA030-D	CAP**3617A**	355(A,C)AV042060	30000	11.5	14.00	29800	3.46	8.0	17900	2.44
3026527	213ANA030-D	CAP**3617A**+TDR		30000	10.8	13.00	30000	3.50	8.0	18800	2.40
3026605	213ANA030-D	CAP**3621A**	313*AV048090	30000	11.5	14.50	30000	3.62	8.2	18100	2.50
3026533	213ANA030-D	CAP**3621A**	315(A,J)AV060110	30000	11.5	14.00	29800	3.52	8.0	17900	2.46
3026530	213ANA030-D	CAP**3621A**	355(A,C)AV042080	30000	11.5	14.00	30000	3.50	8.0	17900	2.46
3026531	213ANA030-D	CAP**3621A**	355(A,C)AV060080	30000	11.5	14.00	29800	3.48	8.0	17900	2.44
3026532	213ANA030-D	CAP**3621A**	355(A,C)AV060100	30000	11.5	14.00	29800	3.50	8.0	17900	2.44
3026529	213ANA030-D	CAP**3621A**+TDR		30000	10.8	13.00	30000	3.50	8.0	18800	2.40
3026571	213ANA030-D	CNPF*3618A**+TDR		30000	10.8	13.00	30000	3.48	8.0	18800	2.38
3026609	213ANA030-D	CNPH*3017A**	313*AV048070	30000	11.5	14.00	30000	3.50	8.0	18100	2.44
3026610	213ANA030-D	CNPH*3017A**	313*AV048090	30000	11.5	14.00	30000	3.52	8.0	18000	2.46
3026554	213ANA030-D	CNPH*3017A**	315(A,J)AV036070	30000	11.5	14.00	30000	3.46	8.0	18000	2.42
3026555	213ANA030-D	CNPH*3017A**	315(A,J)AV048090	30000	11.5	14.00	29800	3.48	8.0	17900	2.44
3026556	213ANA030-D	CNPH*3017A**	315(A,J)AV060110	30000	11.5	14.00	29800	3.48	8.0	17900	2.44
3026557	213ANA030-D	CNPH*3017A**	315(A,J)AV066135	30000	11.5	14.00	29800	3.48	8.0	17900	2.46
3026558	213ANA030-D	CNPH*3017A**	315(A,J)AV066155	30000	11.5	14.00	29800	3.50	8.0	17900	2.46
3121936	213ANA030-D	CNPH*3017A**	353AAV036040	30000	11.5	14.00	30000	3.58	8.1	18000	2.48
3121937	213ANA030-D	CNPH*3017A**	353AAV036060	30000	11.5	14.00	30000	3.58	8.1	18100	2.48
3121938	213ANA030-D	CNPH*3017A**	353AAV036080	30000	11.5	14.00	30000	3.56	8.1	18000	2.48
3121939	213ANA030-D	CNPH*3017A**	353AAV048080	30000	11.5	14.00	30000	3.60	8.2	18200	2.48
3026548	213ANA030-D	CNPH*3017A**	355(A,C)AV042040	30000	11.5	14.00	30000	3.44	8.0	17900	2.42
3026549	213ANA030-D	CNPH*3017A**	355(A,C)AV042060	30000	11.5	14.00	29800	3.44	8.0	17900	2.42
3026550	213ANA030-D	CNPH*3017A**	355(A,C)AV042080	30000	11.5	14.00	30000	3.46	8.0	18000	2.44
3026551	213ANA030-D	CNPH*3017A**	355(A,C)AV060080	30000	11.5	14.00	30000	3.46	8.0	17900	2.42
3026552	213ANA030-D	CNPH*3017A**	355(A,C)AV060100	30000	11.5	14.00	29800	3.46	8.0	17900	2.44
3026553	213ANA030-D	CNPH*3017A**	355(A,C)AV060120	30000	11.5	14.00	29800	3.46	8.0	17900	2.44
3026547	213ANA030-D	CNPH*3017A**+TDR		30000	10.8	13.00	30000	3.48	8.0	18800	2.38
3026611	213ANA030-D	CNPH*3617A**	313*AV048070	30000	11.5	14.00	30000	3.50	8.0	18100	2.44
3026612	213ANA030-D	CNPH*3617A**	313*AV048090	30000	11.5	14.00	30000	3.52	8.0	18000	2.46
3026566	213ANA030-D	CNPH*3617A**	315(A,J)AV036070	30000	11.5	14.00	30000	3.46	8.0	18000	2.42
3026567	213ANA030-D	CNPH*3617A**	315(A,J)AV048090	30000	11.5	14.00	29800	3.48	8.0	17900	2.44
3026568	213ANA030-D	CNPH*3617A**	315(A,J)AV060110	30000	11.5	14.00	29800	3.48	8.0	17900	2.44
3026569	213ANA030-D	CNPH*3617A**	315(A,J)AV066135	30000	11.5	14.00	29800	3.48	8.0	17900	2.46
3026570	213ANA030-D	CNPH*3617A**	315(A,J)AV066155	30000	11.5	14.00	29800	3.50	8.0	17900	2.46
3121940	213ANA030-D	CNPH*3617A**	353AAV036040	30000	11.5	14.00	30000	3.58	8.1	18000	2.48
3121941	213ANA030-D	CNPH*3617A**	353AAV036060	30000	11.5	14.00	30000	3.58	8.1	18100	2.48
3121942	213ANA030-D	CNPH*3617A**	353AAV036080	30000	11.5	14.00	30000	3.56	8.1	18000	2.48
3121943	213ANA030-D	CNPH*3617A**	353AAV048080	30000	11.5	14.00	30000	3.60	8.2	18200	2.48
3026560	213ANA030-D	CNPH*3617A**	355(A,C)AV042040	30000	11.5	14.00	30000	3.44	8.0	17900	2.42
3026561	213ANA030-D	CNPH*3617A**	355(A,C)AV042060	30000	11.5	14.00	29800	3.44	8.0	17900	2.42
3026562	213ANA030-D	CNPH*3617A**	355(A,C)AV042080	30000	11.5	14.00	30000	3.46	8.0	18000	2.44
3026563	213ANA030-D	CNPH*3617A**	355(A,C)AV060080	30000	11.5	14.00	30000	3.46	8.0	17900	2.42

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COMBINATION RATINGS CONTINUED

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3026564	213ANA030-D	CNPH*3617A**	355(A,C)AV060100	30000	11.5	14.00	29800	3.46	8.0	17900	2.44
3026565	213ANA030-D	CNPH*3617A**	355(A,C)AV060120	30000	11.5	14.00	29800	3.46	8.0	17900	2.44
3026559	213ANA030-D	CNPH*3617A**+TDR		30000	10.8	13.00	30000	3.48	8.0	18800	2.38
3026535	213ANA030-D	CNPV*3014A**	315(A,J)AV036070	30000	11.2	13.50	30000	3.44	8.0	18000	2.42
3026534	213ANA030-D	CNPV*3014A**+TDR		30000	10.8	13.00	30000	3.48	8.0	18800	2.38
3026606	213ANA030-D	CNPV*3017A**	313*AV048070	30000	11.5	14.00	30000	3.50	8.0	18100	2.44
3026538	213ANA030-D	CNPV*3017A**	315(A,J)AV048090	30000	11.5	14.00	29800	3.48	8.0	17900	2.44
3121928	213ANA030-D	CNPV*3017A**	353AAV036040	30000	11.5	14.00	30000	3.58	8.1	18000	2.48
3121929	213ANA030-D	CNPV*3017A**	353AAV036060	30000	11.5	14.00	30000	3.58	8.1	18100	2.48
3121930	213ANA030-D	CNPV*3017A**	353AAV036080	30000	11.5	14.00	30000	3.56	8.1	18000	2.48
3121931	213ANA030-D	CNPV*3017A**	353AAV048080	30000	11.5	14.00	30000	3.60	8.2	18200	2.48
3026537	213ANA030-D	CNPV*3017A**	355(A,C)AV042060	30000	11.5	14.00	29800	3.44	8.0	17900	2.42
3026536	213ANA030-D	CNPV*3017A**+TDR		30000	10.8	13.00	30000	3.48	8.0	18800	2.38
3026607	213ANA030-D	CNPV*3617A**	313*AV048070	30000	11.5	14.00	30000	3.50	8.0	18100	2.44
3026541	213ANA030-D	CNPV*3617A**	315(A,J)AV048090	30000	11.5	14.00	29800	3.48	8.0	17900	2.44
3121932	213ANA030-D	CNPV*3617A**	353AAV036040	30000	11.5	14.00	30000	3.58	8.1	18000	2.48
3121933	213ANA030-D	CNPV*3617A**	353AAV036060	30000	11.5	14.00	30000	3.58	8.1	18100	2.48
3121934	213ANA030-D	CNPV*3617A**	353AAV036080	30000	11.5	14.00	30000	3.56	8.1	18000	2.48
3121935	213ANA030-D	CNPV*3617A**	353AAV048080	30000	11.5	14.00	30000	3.60	8.2	18200	2.48
3026540	213ANA030-D	CNPV*3617A**	355(A,C)AV042060	30000	11.5	14.00	29800	3.44	8.0	17900	2.42
3026539	213ANA030-D	CNPV*3617A**+TDR		30000	10.8	13.00	30000	3.48	8.0	18800	2.38
3026608	213ANA030-D	CNPV*3621A**	313*AV048090	30000	11.5	14.00	30000	3.54	8.0	18000	2.46
3026546	213ANA030-D	CNPV*3621A**	315(A,J)AV060110	30000	11.5	14.00	29800	3.48	8.0	17900	2.44
3026543	213ANA030-D	CNPV*3621A**	355(A,C)AV042080	30000	11.5	14.00	30000	3.46	8.0	18000	2.44
3026544	213ANA030-D	CNPV*3621A**	355(A,C)AV060080	30000	11.5	14.00	29800	3.46	8.0	17900	2.44
3026545	213ANA030-D	CNPV*3621A**	355(A,C)AV060100	30000	11.5	14.00	29800	3.46	8.0	17900	2.44
3026542	213ANA030-D	CNPV*3621A**+TDR		30000	10.8	13.00	30000	3.48	8.0	18800	2.38
3026613	213ANA030-D	CSPH*3012A**	313*AV048070	30000	11.5	14.00	30000	3.48	8.0	18100	2.44
3026614	213ANA030-D	CSPH*3012A**	313*AV048090	30000	11.5	14.00	30000	3.50	8.0	18000	2.44
3026579	213ANA030-D	CSPH*3012A**	315(A,J)AV036070	30000	11.5	14.00	30000	3.46	8.0	18000	2.42
3026580	213ANA030-D	CSPH*3012A**	315(A,J)AV048090	30000	11.5	14.00	29800	3.48	8.0	17900	2.44
3026581	213ANA030-D	CSPH*3012A**	315(A,J)AV060110	30000	11.5	14.00	30000	3.50	8.0	18000	2.44
3026582	213ANA030-D	CSPH*3012A**	315(A,J)AV066135	30000	11.5	14.00	30000	3.50	8.0	17900	2.46
3026583	213ANA030-D	CSPH*3012A**	315(A,J)AV066155	30000	11.5	14.00	30000	3.50	8.0	17900	2.46
3121944	213ANA030-D	CSPH*3012A**	353AAV036040	30000	11.5	14.00	30000	3.56	8.1	18000	2.48
3121945	213ANA030-D	CSPH*3012A**	353AAV036060	30000	11.5	14.00	30000	3.58	8.1	18100	2.48
3121946	213ANA030-D	CSPH*3012A**	353AAV036080	30000	11.5	14.00	30000	3.54	8.1	18000	2.46
3121947	213ANA030-D	CSPH*3012A**	353AAV048080	30000	11.5	14.00	30000	3.60	8.2	18200	2.48
3026573	213ANA030-D	CSPH*3012A**	355(A,C)AV042040	30000	11.5	14.00	30000	3.46	8.0	18000	2.42
3026574	213ANA030-D	CSPH*3012A**	355(A,C)AV042060	30000	11.5	14.00	30000	3.46	8.0	18000	2.42
3026575	213ANA030-D	CSPH*3012A**	355(A,C)AV042080	30000	11.5	14.00	30000	3.46	8.0	18000	2.42
3026576	213ANA030-D	CSPH*3012A**	355(A,C)AV060080	30000	11.5	14.00	30000	3.46	8.0	18000	2.44
3026577	213ANA030-D	CSPH*3012A**	355(A,C)AV060100	30000	11.5	14.00	30000	3.48	8.0	18000	2.44
3026578	213ANA030-D	CSPH*3012A**	355(A,C)AV060120	30000	11.5	14.00	29800	3.46	8.0	17900	2.44
3026572	213ANA030-D	CSPH*3012A**+TDR		30000	10.8	13.00	30000	3.50	8.0	18800	2.40
3026615	213ANA030-D	CSPH*3612A**	313*AV048070	30000	11.5	14.00	30000	3.68	8.2	18300	2.50
3026616	213ANA030-D	CSPH*3612A**	313*AV048090	30000	12.0	14.50	30000	3.72	8.2	18200	2.52
3026591	213ANA030-D	CSPH*3612A**	315(A,J)AV036070	30000	11.5	14.00	30000	3.60	8.2	18100	2.48
3026592	213ANA030-D	CSPH*3612A**	315(A,J)AV048090	30000	12.0	14.00	30000	3.62	8.2	18000	2.50
3026593	213ANA030-D	CSPH*3612A**	315(A,J)AV060110	30000	12.0	14.00	30000	3.64	8.2	18000	2.50
3026594	213ANA030-D	CSPH*3612A**	315(A,J)AV066135	30000	12.0	14.00	30000	3.64	8.2	18000	2.50
3026595	213ANA030-D	CSPH*3612A**	315(A,J)AV066155	30000	12.0	14.00	30000	3.64	8.2	17900	2.52
3121948	213ANA030-D	CSPH*3612A**	353AAV036040	30000	12.0	14.50	30000	3.76	8.3	18100	2.54
3121949	213ANA030-D	CSPH*3612A**	353AAV036060	30000	11.5	14.50	30000	3.78	8.3	18200	2.56
3121950	213ANA030-D	CSPH*3612A**	353AAV036080	30000	11.5	14.50	30000	3.74	8.3	18100	2.54
3121951	213ANA030-D	CSPH*3612A**	353AAV048080	30000	11.5	14.50	30000	3.80	8.3	18300	2.56
3026585	213ANA030-D	CSPH*3612A**	355(A,C)AV042040	30000	11.5	14.00	30000	3.58	8.2	18000	2.48
3026586	213ANA030-D	CSPH*3612A**	355(A,C)AV042060	30000	11.5	14.00	30000	3.58	8.2	18000	2.48
3026587	213ANA030-D	CSPH*3612A**	355(A,C)AV042080	30000	11.5	14.00	30000	3.60	8.2	18100	2.48
3026588	213ANA030-D	CSPH*3612A**	355(A,C)AV060080	30000	11.5	14.00	30000	3.60	8.2	18000	2.48
3026589	213ANA030-D	CSPH*3612A**	355(A,C)AV060100	30000	12.0	14.00	30000	3.62	8.2	18000	2.50
3026590	213ANA030-D	CSPH*3612A**	355(A,C)AV060120	30000	12.0	14.00	30000	3.58	8.2	18000	2.48
3026584	213ANA030-D	CSPH*3612A**+TDR		30000	10.8	13.00	30000	3.64	8.2	18900	2.44
3026722	213ANA036-D	†FY4ANF036		33800	10.5	13.00	35400	3.54	7.8	22200	2.48
3026805	213ANA036-D	FF1ENP036		33600	10.5	13.00	35200	3.54	7.7	22200	2.52
3026807	213ANA036-D	FV4BN(B,F)003		34000	11.7	14.50	34400	3.66	8.1	21200	2.58
3026806	213ANA036-D	FV4BNF002		33600	11.5	14.00	34800	3.50	8.0	22000	2.48
3026835	213ANA036-D	FX4CN(B,F)036		34200	11.2	14.00	34000	3.70	7.9	21600	2.60
3026836	213ANA036-D	FX4CN(B,F)042		34800	11.2	14.00	33800	3.70	8.2	21800	2.64
3026804	213ANA036-D	FY4ANF042		34200	10.8	13.00	34200	3.78	7.9	21200	2.68
3026808	213ANA036-D	CAP**3614A**	313*AV024045	33200	10.8	13.00	34800	3.50	7.7	21600	2.50
3026724	213ANA036-D	CAP**3614A**	315(A,J)AV036070	33400	11.2	13.50	34600	3.56	7.8	21200	2.54
3026723	213ANA036-D	CAP**3614A**+TDR		33400	10.8	13.00	35000	3.52	7.7	21800	2.48
3026809	213ANA036-D	CAP**3617A**	313*AV048070	33600	11.2	13.50	34600	3.58	7.8	21400	2.54
3026727	213ANA036-D	CAP**3617A**	315(A,J)AV048090	33600	11.5	14.00	34400	3.62	7.9	21000	2.58

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COMBINATION RATINGS CONTINUED

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3121952	213ANA036-D	CAP**3617A**	353AAV036040	33600	11.5	14.00	34200	3.66	8.0	21200	2.60
3121953	213ANA036-D	CAP**3617A**	353AAV036060	33600	11.0	14.00	34200	3.64	8.0	21200	2.60
3121954	213ANA036-D	CAP**3617A**	353AAV036080	33600	11.5	14.00	34200	3.64	8.0	21200	2.58
3121955	213ANA036-D	CAP**3617A**	353AAV048080	33600	11.0	14.00	34200	3.64	8.0	21200	2.58
3026726	213ANA036-D	CAP**3617A**	355(A,C)AV042060	33600	11.5	14.00	34400	3.60	7.9	21000	2.56
3026725	213ANA036-D	CAP**3617A**+TDR		33600	10.5	13.00	35200	3.54	7.8	22000	2.50
3026810	213ANA036-D	CAP**3621A**	313*AV048090	34000	11.5	14.00	34400	3.68	7.9	21200	2.62
3026811	213ANA036-D	CAP**3621A**	313*AV060110	34200	11.5	14.50	34400	3.72	8.2	21200	2.64
3026732	213ANA036-D	CAP**3621A**	315(A,J)AV060110	33800	11.5	14.00	34400	3.64	8.0	21000	2.60
3121956	213ANA036-D	CAP**3621A**	353AAV060100	33600	11.5	14.50	34000	3.68	8.0	21000	2.62
3026729	213ANA036-D	CAP**3621A**	355(A,C)AV042080	33400	11.5	14.00	34400	3.58	7.8	21200	2.54
3026730	213ANA036-D	CAP**3621A**	355(A,C)AV060080	33600	11.5	14.00	34400	3.60	7.9	21000	2.56
3026731	213ANA036-D	CAP**3621A**	355(A,C)AV060100	33600	11.5	14.00	34400	3.62	7.9	21000	2.58
3026728	213ANA036-D	CAP**3621A**+TDR		33600	10.5	13.00	35200	3.54	7.8	22000	2.50
3026812	213ANA036-D	CAP**4221A**	313*AV048090	34200	11.5	14.50	34200	3.72	8.2	21200	2.64
3026813	213ANA036-D	CAP**4221A**	313*AV060110	34400	11.5	14.50	34200	3.76	8.2	21200	2.66
3026737	213ANA036-D	CAP**4221A**	315(A,J)AV060110	34000	11.5	14.00	34200	3.68	8.0	21000	2.62
3121957	213ANA036-D	CAP**4221A**	353AAV060100	34000	11.5	14.50	33800	3.72	8.1	21000	2.64
3026734	213ANA036-D	CAP**4221A**	355(A,C)AV042080	33600	11.5	14.00	34200	3.60	7.9	21200	2.56
3026735	213ANA036-D	CAP**4221A**	355(A,C)AV060080	33800	11.5	14.00	34200	3.64	8.0	21200	2.58
3026736	213ANA036-D	CAP**4221A**	355(A,C)AV060100	33800	11.5	14.00	34200	3.66	8.0	21200	2.60
3026733	213ANA036-D	CAP**4221A**+TDR		33800	10.8	13.00	35000	3.58	7.9	22200	2.52
3026741	213ANA036-D	CAP**4224A**	315(A,J)AV066155	34000	11.5	14.00	34000	3.70	8.1	21000	2.62
3026739	213ANA036-D	CAP**4224A**	355(A,C)AV042040	33800	11.5	14.00	34200	3.62	7.9	21200	2.58
3026740	213ANA036-D	CAP**4224A**	355(A,C)AV060120	33800	11.5	14.00	34200	3.66	8.0	21000	2.60
3026738	213ANA036-D	CAP**4224A**+TDR		33800	10.8	13.00	35000	3.58	7.9	22200	2.52
3026779	213ANA036-D	CNPF*3618A**+TDR		33600	10.5	13.00	35400	3.72	7.8	21000	2.62
3026819	213ANA036-D	CNPH*3617A**	313*AV024045	33200	10.8	13.00	35000	3.50	7.7	21600	2.48
3026820	213ANA036-D	CNPH*3617A**	313*AV048070	33400	11.2	13.50	34800	3.54	7.7	21400	2.52
3026821	213ANA036-D	CNPH*3617A**	313*AV048090	33600	11.5	14.00	34600	3.62	7.8	21200	2.58
3026822	213ANA036-D	CNPH*3617A**	313*AV060110	33800	11.5	14.00	34600	3.64	7.9	21200	2.58
3026762	213ANA036-D	CNPH*3617A**	315(A,J)AV036070	33400	11.2	13.50	34600	3.58	7.8	21000	2.54
3026763	213ANA036-D	CNPH*3617A**	315(A,J)AV048090	33600	11.5	14.00	34600	3.56	7.9	21200	2.54
3026764	213ANA036-D	CNPH*3617A**	315(A,J)AV060110	33600	11.5	14.00	34600	3.60	7.9	21000	2.56
3026765	213ANA036-D	CNPH*3617A**	315(A,J)AV066135	33600	11.5	14.00	34400	3.60	7.9	21200	2.56
3026766	213ANA036-D	CNPH*3617A**	315(A,J)AV066155	33600	11.5	14.00	34400	3.60	7.9	21000	2.56
3121972	213ANA036-D	CNPH*3617A**	353AAV036040	33200	11.5	14.00	34400	3.62	7.9	21200	2.56
3121973	213ANA036-D	CNPH*3617A**	353AAV036060	33200	11.5	14.00	34400	3.62	7.9	21200	2.56
3121974	213ANA036-D	CNPH*3617A**	353AAV036080	33200	11.5	14.00	34400	3.60	7.9	21200	2.56
3121975	213ANA036-D	CNPH*3617A**	353AAV048080	33400	11.5	14.00	34400	3.60	7.9	21200	2.56
3121976	213ANA036-D	CNPH*3617A**	353AAV060100	33400	11.5	14.00	34200	3.58	7.9	21000	2.56
3026756	213ANA036-D	CNPH*3617A**	355(A,C)AV042040	33400	11.2	13.50	34600	3.54	7.8	22000	2.50
3026757	213ANA036-D	CNPH*3617A**	355(A,C)AV042060	33400	11.5	14.00	34600	3.54	7.8	21200	2.52
3026758	213ANA036-D	CNPH*3617A**	355(A,C)AV042080	33200	11.2	13.50	34600	3.58	7.7	21200	2.54
3026759	213ANA036-D	CNPH*3617A**	355(A,C)AV060080	33400	11.5	14.00	34600	3.54	7.8	21200	2.52
3026760	213ANA036-D	CNPH*3617A**	355(A,C)AV060100	33400	11.5	14.00	34600	3.58	7.8	21200	2.54
3026761	213ANA036-D	CNPH*3617A**	355(A,C)AV060120	33400	11.5	14.00	34600	3.58	7.8	21200	2.56
3026755	213ANA036-D	CNPH*3617A**+TDR		33600	10.5	13.00	35400	3.68	7.8	21200	2.60
3026823	213ANA036-D	CNPH*4221A**	313*AV024045	33800	11.0	13.50	34800	3.58	7.8	21600	2.54
3026824	213ANA036-D	CNPH*4221A**	313*AV048070	33800	11.0	13.50	34600	3.62	7.9	21400	2.56
3026825	213ANA036-D	CNPH*4221A**	313*AV048090	34200	11.5	14.50	34400	3.70	7.9	21200	2.62
3026826	213ANA036-D	CNPH*4221A**	313*AV060110	34200	11.5	14.50	34200	3.74	8.2	21200	2.64
3026774	213ANA036-D	CNPH*4221A**	315(A,J)AV036070	33800	11.5	14.00	34400	3.66	8.0	21200	2.60
3026775	213ANA036-D	CNPH*4221A**	315(A,J)AV048090	34000	11.5	14.00	34200	3.64	8.0	21200	2.58
3026776	213ANA036-D	CNPH*4221A**	315(A,J)AV060110	34000	11.5	14.00	34400	3.68	8.0	21200	2.60
3026777	213ANA036-D	CNPH*4221A**	315(A,J)AV066135	34000	11.5	14.00	34200	3.68	8.0	21200	2.60
3026778	213ANA036-D	CNPH*4221A**	315(A,J)AV066155	34000	11.7	14.50	34200	3.68	8.1	21000	2.62
3121977	213ANA036-D	CNPH*4221A**	353AAV036040	34000	11.5	14.00	34200	3.70	8.1	21200	2.62
3121978	213ANA036-D	CNPH*4221A**	353AAV036060	34000	11.5	14.00	34200	3.70	8.1	21400	2.62
3121979	213ANA036-D	CNPH*4221A**	353AAV036080	33800	11.5	14.00	34200	3.70	8.1	21200	2.62
3121980	213ANA036-D	CNPH*4221A**	353AAV048080	34000	11.5	14.00	34200	3.70	8.1	21400	2.62
3121981	213ANA036-D	CNPH*4221A**	353AAV060100	33800	11.5	14.50	34000	3.70	8.1	21000	2.62
3026768	213ANA036-D	CNPH*4221A**	355(A,C)AV042040	33800	11.5	14.00	34400	3.60	7.9	22200	2.52
3026769	213ANA036-D	CNPH*4221A**	355(A,C)AV042060	33800	11.5	14.00	34400	3.62	8.0	21200	2.56
3026770	213ANA036-D	CNPH*4221A**	355(A,C)AV042080	33600	11.5	14.00	34400	3.64	7.9	21200	2.58
3026771	213ANA036-D	CNPH*4221A**	355(A,C)AV060080	33800	11.5	14.00	34400	3.60	8.0	21200	2.56
3026772	213ANA036-D	CNPH*4221A**	355(A,C)AV060100	33800	11.5	14.00	34400	3.64	8.0	21200	2.58
3026773	213ANA036-D	CNPH*4221A**	355(A,C)AV060120	33800	11.5	14.00	34400	3.66	8.0	21200	2.60
3026767	213ANA036-D	CNPH*4221A**+TDR		34000	10.8	13.00	35000	3.62	7.9	21000	2.58
3026814	213ANA036-D	CNPV*3617A**	313*AV048070	33400	11.2	13.50	34800	3.54	7.9	21400	2.52
3026744	213ANA036-D	CNPV*3617A**	315(A,J)AV048090	33600	11.5	14.00	34600	3.58	7.9	21200	2.54
3121958	213ANA036-D	CNPV*3617A**	353AAV036040	33200	11.5	14.00	34400	3.62	7.9	21200	2.56
3121959	213ANA036-D	CNPV*3617A**	353AAV036060	33200	11.2	14.00	34400	3.62	7.9	21200	2.56
3121960	213ANA036-D	CNPV*3617A**	353AAV036080	33200	11.2	14.00	34400	3.60	7.9	21200	2.56
3121961	213ANA036-D	CNPV*3617A**	353AAV048080	33200	11.2	14.00	34400	3.60	7.9	21200	2.56
3026743	213ANA036-D	CNPV*3617A**	355(A,C)AV042060	33400	11.5	14.00	34600	3.54	7.8	22000	2.50

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COMBINATION RATINGS CONTINUED

ARI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							E Capacity	E COP		H Capacity	H COP
3027418	213ANA060-D	CNPV*6024A**	313*AV060135	58000	11.0	13.00	57500	3.48	7.7	36200	2.52
3027400	213ANA060-D	CNPV*6024A**	315(A,J)AV066135	58000	11.0	13.20	57500	3.52	7.7	36000	2.54
3027401	213ANA060-D	CNPV*6024A**	315(A,J)AV066155	58000	11.2	13.50	57500	3.54	7.7	36000	2.56
3027399	213ANA060-D	CNPV*6024A**	355(A,C)AV060120	57500	10.8	13.00	58000	3.44	7.7	36400	2.48
3027398	213ANA060-D	CNPV*6024A**+TDR		58000	10.8	13.00	58000	3.48	7.7	36600	2.50
3027422	213ANA060-D	CSPH*6012A**	313*AV048090	58000	11.0	13.00	57500	3.52	7.7	36200	2.52
3027423	213ANA060-D	CSPH*6012A**	313*AV060110	58500	11.0	13.50	57500	3.60	7.7	36200	2.56
3027424	213ANA060-D	CSPH*6012A**	313*AV060135	58500	11.0	13.00	57500	3.56	7.7	36200	2.54
3027410	213ANA060-D	CSPH*6012A**	315(A,J)AV060110	58500	11.0	13.20	58000	3.56	7.7	36400	2.54
3027411	213ANA060-D	CSPH*6012A**	315(A,J)AV066135	58500	11.2	13.50	57500	3.58	7.7	36200	2.56
3027412	213ANA060-D	CSPH*6012A**	315(A,J)AV066155	58500	11.2	13.50	57500	3.62	7.7	36000	2.58
3122062	213ANA060-D	CSPH*6012A**	353AAV048080	57500	10.5	13.00	57500	3.46	7.7	36200	2.50
3122063	213ANA060-D	CSPH*6012A**	353AAV060100	58000	11.0	13.50	57500	3.54	7.7	36200	2.54
3122064	213ANA060-D	CSPH*6012A**	353AAV060120	58500	11.0	13.50	57500	3.58	7.8	36000	2.56
3027408	213ANA060-D	CSPH*6012A**	355(A,C)AV060100	58000	10.8	13.00	58000	3.48	7.7	36600	2.48
3027409	213ANA060-D	CSPH*6012A**	355(A,C)AV060120	58000	10.8	13.00	58000	3.50	7.7	36400	2.50
3027407	213ANA060-D	CSPH*6012A**+TDR		58500	10.8	13.00	58000	3.56	7.7	36600	2.52

* 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.

SEER — Seasonal Energy Efficiency Ratio

COP — Coefficient of Performance

TDR — Time-Delay Relay

HSPF — Heating Seasonal Performance Factor

EER — Energy Efficiency Ratio

DETAILED COOLING CAPACITIES#

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
CFM	EWB °F (°C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBTuh	Sens†	Total System KW**	Capacity MBTuh	Sens†	Total System KW**	Capacity MBTuh	Sens†	Total System KW**	Capacity MBTuh	Sens†	Total System KW**	Capacity MBTuh	Sens†	Total System KW**	Capacity MBTuh	Sens†	Total System KW**
525	72 (22.2)	20.67	10.45	1.27	19.67	10.06	1.41	18.62	9.67	1.57	17.52	9.26	1.75	16.35	8.83	1.95	15.07	8.36	2.16
	67 (19.4)	18.85	12.98	1.27	17.92	12.58	1.42	16.94	12.17	1.58	15.91	11.74	1.76	14.81	11.29	1.96	13.62	10.80	2.17
	63 (17.2)††	17.51	12.54	1.28	16.63	12.14	1.42	15.71	11.73	1.59	14.73	11.29	1.76	13.69	10.83	1.96	12.57	10.34	2.17
	62 (16.7)	17.17	15.48	1.28	16.31	15.06	1.43	15.42	14.61	1.59	14.49	14.12	1.77	13.59	13.59	1.96	12.68	12.68	2.17
	57 (13.9)	16.59	16.59	1.28	15.91	15.91	1.43	15.18	15.18	1.59	14.41	14.41	1.77	13.59	13.59	1.96	12.68	12.68	2.17
600	72 (22.2)	21.03	10.92	1.29	19.99	10.53	1.44	18.89	10.13	1.60	17.76	9.71	1.78	16.55	9.28	1.98	15.23	8.81	2.19
	67 (19.4)	19.19	13.77	1.30	18.22	13.37	1.45	17.20	12.95	1.61	16.13	12.51	1.79	15.01	12.06	1.98	13.78	11.56	2.20
	63 (17.2)††	17.84	13.29	1.30	16.93	12.89	1.45	15.96	12.46	1.61	14.95	12.02	1.79	13.88	11.55	1.99	12.72	11.05	2.20
	62 (16.7)	17.53	16.55	1.31	16.65	16.09	1.45	15.76	15.76	1.61	14.93	14.93	1.79	14.06	14.06	1.99	13.10	13.10	2.20
	57 (13.9)	17.25	17.25	1.31	16.52	16.52	1.45	15.75	15.75	1.61	14.94	14.94	1.79	14.06	14.06	1.99	13.10	13.10	2.20
675	72 (22.2)	21.29	11.37	1.32	20.22	10.97	1.47	19.09	10.57	1.63	17.93	10.15	1.81	16.69	9.71	2.00	15.34	9.24	2.22
	67 (19.4)	19.44	14.53	1.33	18.44	14.12	1.47	17.39	13.70	1.63	16.30	13.25	1.81	15.14	12.78	2.01	13.89	12.27	2.22
	63 (17.2)††	18.09	14.01	1.33	17.14	13.59	1.48	16.15	13.16	1.64	15.12	12.71	1.82	14.02	12.22	2.02	12.84	11.70	2.23
	62 (16.7)	17.84	17.70	1.33	17.02	17.02	1.48	16.21	16.21	1.64	15.36	15.36	1.82	14.45	14.45	2.01	13.44	13.44	2.23
	57 (13.9)	17.79	17.79	1.33	17.02	17.02	1.48	16.22	16.22	1.64	15.36	15.36	1.82	14.45	14.45	2.01	13.44	13.44	2.23

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*FY4ANF018	1.00	1.00	
FE4ANF002	1.03	0.92	
FV4BNF002	1.03	0.92	
FX4CNF018	1.02	0.95	
FX4CNF018	1.01	0.94	
FX4CNF024	1.03	0.92	
FX4CNF024	1.02	0.91	
FY4ANF024	1.01	1.02	
CAP**2414A**	1.02	1.01	
CAP**2417A**	1.02	1.01	
CNPF*2418A**	1.02	1.01	
CNPF*2417A**	1.02	1.01	
CNPF*1814A**	1.01	1.00	
CNPF*2414A**	1.02	1.01	
CNPF*2417A**	1.02	1.01	
CSPH*2412A**	1.03	1.02	
CAP**1814A**	0.99	0.93	
CAP**2414A**	1.01	0.90	
CNPF*2417A**	1.01	0.90	
CNPF*1814A**	1.01	0.94	
CNPF*2414A**	1.01	0.90	
CSPH*2412A**	1.02	0.91	
CAP**2417A**	1.02	0.91	
CNPF*2417A**	1.01	0.90	
CNPF*2417A**	1.02	0.91	
CAP**2417A**	1.05	0.93	
CNPF*2417A**	1.04	0.93	
CNPF*2417A**	1.04	0.93	
CSPH*2412A**	1.04	0.93	
CAP**2417A**	1.02	0.91	
CNPF*2417A**	1.02	0.91	
CSPH*2412A**	1.02	0.91	
CNPF*2417A**	1.01	0.90	
CSPH*2412A**	1.02	0.91	
CAP**2417A**	1.01	0.90	
CNPF*2417A**	1.01	0.90	

See notes on page 33

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*FY4ANF018	1.00	1.00	
FE4ANF002	1.03	0.92	
FV4BNF002	1.03	0.92	
FX4CNF018	1.02	0.95	
FX4CNF018	1.01	0.94	
FX4CNF024	1.03	0.92	
FX4CNF024	1.02	0.91	
FY4ANF024	1.01	1.02	
CAP**2414A**	1.02	1.01	
CAP**2417A**	1.02	1.01	
CNPF*2418A**	1.02	1.01	
CNPF*2417A**	1.02	1.01	
CNPF*1814A**	1.01	1.00	
CNPF*2414A**	1.02	1.01	
CNPF*2417A**	1.02	1.01	
CSPH*2412A**	1.03	1.02	
CAP**1814A**	0.99	0.93	
CAP**2414A**	1.01	0.90	
CNPF*2417A**	1.01	0.90	
CNPF*1814A**	1.01	0.94	
CNPF*2414A**	1.01	0.90	
CSPH*2412A**	1.02	0.91	
CAP**2417A**	1.02	0.91	
CNPF*2417A**	1.01	0.90	
CNPF*2417A**	1.02	0.91	
CAP**2417A**	1.05	0.93	
CNPF*2417A**	1.04	0.93	
CNPF*2417A**	1.04	0.93	
CSPH*2412A**	1.04	0.93	
CAP**2417A**	1.02	0.91	
CNPF*2417A**	1.02	0.91	
CSPH*2412A**	1.02	0.91	
CNPF*2417A**	1.01	0.90	
CSPH*2412A**	1.02	0.91	
CAP**2417A**	1.01	0.90	
CNPF*2417A**	1.01	0.90	

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DETAILED COOLING CAPACITIES# CONTINUED

Table with columns for Evaporator Air (CFM, EWB, °F), Condenser Entering Air Temperatures (°F), and Capacity (Total, Sensible, Latent) for various indoor models at 75, 85, 95, 105, 115, and 125 °F.

CONDENSER ENTERING AIR TEMPERATURES °F (°C)

115 (46.1)

125 (51.7)

105 (40.6)

95 (35)

85 (29.4)

Table with columns for Cooling Indoor Model, Furnace Model, Capacity, Power, and Furnace Model. Lists models like CAP**3017A** and CNPH*2417A** with their respective capacities and powers.

Table with columns for Cooling Indoor Model, Furnace Model, Capacity, Power, and Furnace Model. Lists models like CSPH*2412A** and CNPH*2417A** with their respective capacities and powers.

Table with columns for Cooling Indoor Model, Capacity, Power, and Furnace Model. Lists models like *FV4NF024 and FF1ENP024 with their respective capacities and powers.

See notes on page 33

DETAILED COOLING CAPACITIES# CONTINUED

213ANA030-D Outdoor Section With FY4ANF030 Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*3617A**	1.00	0.94	355(A,C)AV060100
CNPV*3621A**	1.00	0.94	355(A,C)AV060100
CSPH*3012A**	1.00	0.94	355(A,C)AV060100
CSPH*3612A**	1.00	0.90	355(A,C)AV060100
CNPH*3017A**	1.00	0.94	355(A,C)AV060120
CNPH*3617A**	1.00	0.94	355(A,C)AV060120
CSPH*3012A**	1.00	0.94	355(A,C)AV060120
CSPH*3612A**	1.00	0.90	355(A,C)AV060120
CAP**3017A**	1.00	0.94	313*AV048070
CAP**3617A**	1.00	0.94	313*AV048070
CNPH*3017A**	1.00	0.94	313*AV048070
CNPH*3617A**	1.00	0.94	313*AV048070
CNPV*3017A**	1.00	0.94	313*AV048070
CNPV*3617A**	1.00	0.94	313*AV048070
CSPH*3012A**	1.00	0.94	313*AV048070
CSPH*3612A**	1.00	0.94	313*AV048070
CAP**3621A**	1.00	0.94	313*AV048090
CNPH*3017A**	1.00	0.94	313*AV048090
CNPH*3617A**	1.00	0.94	313*AV048090
CNPV*3621A**	1.00	0.94	313*AV048090
CSPH*3012A**	1.00	0.94	313*AV048090
CSPH*3612A**	1.00	0.90	313*AV048090

See notes on page 33

DETAILED COOLING CAPACITIES# CONTINUED

213ANA036-D Outdoor Section With FY4ANF036 Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*4221A**	1.00	0.91	355(A,C)AV060100
CNPV*3621A**	0.99	0.90	355(A,C)AV060100
CNPH*4221A**	1.00	0.91	355(A,C)AV060100
CSPH*3612A**	1.01	0.92	355(A,C)AV060100
CSPH*4212A**	1.02	0.92	355(A,C)AV060100
CAP**4224A**	1.00	0.91	355(A,C)AV060120
CNPH*3617A**	0.99	0.90	355(A,C)AV060120
CNPH*4221A**	1.00	0.91	355(A,C)AV060120
CSPH*3612A**	1.01	0.92	355(A,C)AV060120
CSPH*4212A**	1.02	0.91	355(A,C)AV060120
CAP**3614A**	0.98	0.95	313*AV024045
CNPH*3617A**	0.98	0.95	313*AV024045
CNPH*4221A**	1.00	0.95	313*AV024045
CSPH*3612A**	1.01	0.97	313*AV024045
CSPH*4212A**	1.02	0.97	313*AV024045
CAP**3617A**	0.99	0.93	313*AV048070
CNPH*3617A**	0.99	0.93	313*AV048070
CNPH*4221A**	1.00	0.95	313*AV048070
CNPV*3617A**	0.99	0.93	313*AV048070
CNPH*4217A**	1.01	0.94	313*AV048070
CSPH*3612A**	1.01	0.95	313*AV048070
CSPH*4212A**	1.02	0.93	313*AV048070
CAP**3621A**	1.01	0.92	313*AV048090
CAP**4221A**	1.01	0.92	313*AV048090
CNPH*3617A**	0.99	0.91	313*AV048090
CNPH*4221A**	1.01	0.92	313*AV048090
CNPV*3621A**	1.00	0.91	313*AV048090
CSPH*3612A**	1.02	0.93	313*AV048090
CSPH*4212A**	1.03	0.94	313*AV048090
CAP**3621A**	1.01	0.92	313*AV060110
CAP**4221A**	1.02	0.93	313*AV060110
CNPH*3617A**	1.00	0.91	313*AV060110
CNPH*4221A**	1.01	0.92	313*AV060110
CNPH*3621A**	1.00	0.91	313*AV060110
CNPV*4221A**	1.01	0.92	313*AV060110
CSPH*3612A**	1.02	0.93	313*AV060110
CSPH*4212A**	1.03	0.94	313*AV060110

See notes on page 33

DETAILED COOLING CAPACITIES# CONTINUED

213ANAD42 - C Outdoor Section With FY4ANF042 Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*4221A**	0.99	0.93	355(A,CJAV042080
CNPH*4821A**	1.00	0.94	355(A,CJAV042080
CNPV*4221A**	0.99	0.93	355(A,CJAV042080
CNPV*4821A**	1.00	0.94	355(A,CJAV042080
CSPH*4212A**	0.98	0.91	355(A,CJAV042080
CSPH*4812A**	1.00	0.94	355(A,CJAV042080
CAP**4221A**	0.99	0.93	355(A,CJAV060080
CAP**4821A**	1.00	0.93	355(A,CJAV060080
CNPH*4221A**	0.99	0.92	355(A,CJAV060080
CNPH*4821A**	1.00	0.93	355(A,CJAV060080
CNPV*4221A**	0.98	0.91	355(A,CJAV060080
CNPV*4821A**	1.00	0.93	355(A,CJAV060080
CSPH*4212A**	0.99	0.92	355(A,CJAV060080
CSPH*4812A**	1.00	0.92	355(A,CJAV060080
CAP**4221A**	0.99	0.92	355(A,CJAV060100
CAP**4821A**	1.00	0.92	355(A,CJAV060100
CNPH*4221A**	0.99	0.90	355(A,CJAV060100
CNPH*4821A**	1.00	0.91	355(A,CJAV060100
CNPV*4221A**	0.99	0.90	355(A,CJAV060100
CNPV*4821A**	1.00	0.91	355(A,CJAV060100
CSPH*4212A**	0.99	0.91	355(A,CJAV060100
CSPH*4812A**	1.00	0.92	355(A,CJAV060100
CAP**4224A**	0.99	0.92	355(A,CJAV060120
CAP**4824A**	1.00	0.91	355(A,CJAV060120
CNPH*4221A**	0.99	0.90	355(A,CJAV060120
CNPH*4821A**	1.00	0.91	355(A,CJAV060120
CNPV*4224A**	1.00	0.91	355(A,CJAV060120
CNPV*4817A**	1.01	0.96	313*AV048070
CNPH*4221A**	0.99	0.98	313*AV048070
CNPH*4821A**	1.01	0.96	313*AV048070
CNPV*4217A**	0.99	0.98	313*AV048070
CNPV*4817A**	1.01	0.96	313*AV048070
CSPH*4212A**	1.01	0.96	313*AV048070
CSPH*4812A**	1.01	0.96	313*AV048070
CAP**4221A**	0.99	0.89	313*AV048090
CAP**4821A**	1.01	0.92	313*AV048090
CNPH*4221A**	0.99	0.93	313*AV048090
CNPH*4821A**	1.01	0.92	313*AV048090
CNPV*4221A**	0.99	0.93	313*AV048090
CNPV*4821A**	1.01	0.92	313*AV048090
CSPH*4212A**	1.01	0.92	313*AV048090
CSPH*4812A**	1.01	0.92	313*AV048090
CAP**4221A**	1.00	0.90	313*AV060110
CAP**4821A**	1.01	0.92	313*AV060110
CNPH*4221A**	0.99	0.89	313*AV060110
CNPH*4821A**	1.01	0.92	313*AV060110
CNPV*4221A**	0.99	0.93	313*AV060110
CNPV*4821A**	1.01	0.92	313*AV060110
CSPH*4212A**	1.02	0.93	313*AV060110
CSPH*4812A**	1.00	0.90	313*AV060135
CAP**4224A**	1.01	0.92	313*AV060135
CAP**4824A**	1.01	0.93	313*AV060135
CNPH*4221A**	0.99	0.93	313*AV060135
CNPH*4821A**	1.01	0.92	313*AV060135
CNPV*4824A**	1.01	0.92	313*AV060135
CSPH*4212A**	1.01	0.92	313*AV060135
CSPH*4812A**	1.01	0.92	313*AV060135

See notes on page 33

DETAILED COOLING CAPACITIES# CONTINUED

Table with columns for EVAPORATOR AIR, CONDENSER ENTERING AIR TEMPERATURES ° F (° C), and Capacity MBtuh. It is divided into three temperature sections: 75 (23.9), 85 (29.4), and 95 (35). Each section includes sub-columns for Total System KW, Capacity MBtuh (Total, Sens), and Total System KW. The table lists various models under categories 1400, 1600, and 1800.

Table with columns for COOLING INDOOR MODEL, CAPACITY, POWER, FURNACE MODEL, COOLING INDOOR MODEL, CAPACITY, POWER, FURNACE MODEL, COOLING INDOOR MODEL, CAPACITY, POWER, FURNACE MODEL, COOLING INDOOR MODEL, CAPACITY, POWER, FURNACE MODEL. It lists various models and their corresponding capacities and power ratings.

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DETAILED COOLING CAPACITIES# CONTINUED

213ANA048 – D Outdoor Section With F4ANF048 Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*4821A**	0.99	0.91	313*AV060135
CNPH*6024A**	1.01	0.93	313*AV060135
CNPV*4824A**	0.99	0.91	313*AV060135
CNPV*6024A**	1.01	0.93	313*AV060135
CSPH*4812A**	0.99	0.91	313*AV060135
CSPH*6012A**	1.01	0.93	313*AV060135

See notes on page 33

DETAILED COOLING CAPACITIES#

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)																	
CFM	EWB ° F (° C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBtu/h	Total System KW**	Sens†	Capacity MBtu/h	Total System KW**	Sens†	Capacity MBtu/h	Total System KW**	Sens†	Capacity MBtu/h	Total System KW**	Sens†	Capacity MBtu/h	Total System KW**	Sens†	Capacity MBtu/h	Total System KW**	Sens†
	72 (22.2)	70.34	4.52	34.14	63.63	5.48	60.01	31.48	6.03	56.06	30.03	6.63	51.70	28.45	7.27				
	67 (19.4)	64.72	4.46	42.98	58.50	5.42	55.15	40.23	5.97	51.50	38.73	6.57	47.50	37.11	7.21				
1750	63 (17.2)††	60.52	4.41	41.67	54.66	5.37	51.50	38.90	5.92	48.09	37.40	6.52	44.37	35.78	7.17				
	62 (16.7)	59.39	4.40	51.67	53.67	5.36	50.63	48.68	5.91	47.46	47.46	6.51	44.40	44.40	7.17				
	57 (13.9)	57.36	4.38	55.12	48.4	5.23	50.21	50.21	5.90	47.45	47.45	6.51	44.40	44.40	7.17				
	72 (22.2)	71.28	4.64	36.87	64.37	5.09	60.64	32.95	6.14	56.56	31.48	6.74	52.07	29.88	7.39				
2000	67 (19.4)	65.71	4.58	45.59	59.26	5.53	55.79	42.80	6.08	52.01	41.28	6.69	47.89	39.62	7.33				
	63 (17.2)††	61.54	4.53	44.14	55.44	5.49	52.17	41.32	6.04	48.63	39.78	6.64	44.80	38.11	7.28				
	62 (16.7)	60.48	4.52	57.63	54.66	5.48	51.85	51.85	6.03	48.91	48.91	6.64	45.86	45.86	7.30				
	57 (13.9)	59.46	4.51	57.07	54.53	5.48	51.85	51.85	6.03	48.92	48.92	6.64	45.87	45.87	7.30				
	72 (22.2)	71.96	4.75	38.30	68.56	5.21	61.04	34.35	6.26	58.86	32.87	6.86	52.26	31.26	7.50				
	67 (19.4)	66.40	4.70	48.09	63.21	5.15	59.77	46.69	5.65	56.21	43.69	6.20	48.13	41.98	7.44				
2250	63 (17.2)††	62.26	4.65	46.48	59.21	5.10	55.98	43.60	5.60	52.62	42.02	6.15	45.07	40.30	7.40				
	62 (16.7)	61.41	4.64	58.65	58.65	5.10	55.97	55.97	5.61	53.15	53.15	6.16	46.84	46.84	7.42				
	57 (13.9)	61.16	4.64	58.65	58.65	5.10	55.97	55.97	5.61	53.16	53.16	6.16	46.85	46.85	7.42				

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL			FURNACE MODEL		
				MODEL	CAPACITY	POWER	MODEL	CAPACITY	POWER
*F4ANB060	1.00	1.00		CSPH*6012A**	1.00	0.96	315(A,J)AV066135		
FE4ANB006	1.02	0.98		CAP**6024A**	1.00	0.96	315(A,J)AV066155		
FV4BNB006	1.02	0.96		CNPV*6024A**	0.99	0.96	315(A,J)AV066155		
FX4CN(B,F)080	1.01	0.97		CNPV*6024A**	0.99	0.96	315(A,J)AV066155		
CAP**6024A**	0.99	0.99		CSPH*6012A**	1.00	0.96	315(A,J)AV066155		
CNPV*6024A**	0.99	0.99		CNPV*6024A**	0.98	1.01	353AAV048080		
CNPV*6024A**	0.99	0.99		CSPH*6012A**	0.98	1.01	353AAV048080		
CNPV*6024A**	0.99	0.99		CAP**6024A**	0.99	0.97	353AAV060100		
CSPH*6012A**	1.00	1.00		CNPV*6024A**	0.99	0.97	353AAV060100		
CAP**6021A**	0.99	0.97	315(A,J)AV060110	CSPH*6012A**	0.99	0.97	353AAV060100		
CNPV*6012A**	0.99	0.97	315(A,J)AV060110	CAP**6024A**	0.99	0.97	353AAV060120		
CNPV*6012A**	0.99	0.97	315(A,J)AV066135	CNPV*6024A**	0.99	0.97	353AAV060120		
CNPV*6024A**	0.99	0.97	315(A,J)AV066135	CSPH*6012A**	1.00	0.98	353AAV060120		
CNPV*6024A**	0.99	0.97	315(A,J)AV066135	CAP**6021A**	0.98	0.98	355(A,C)AV060100		

* Tested combination.

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

‡ Sensible capacities shown are based on 80°F (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btu/h (245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btu/h (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C).
 # Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per ARI standard 210/240-94. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

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

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

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

EWB — Entering Wet Bulb

HEAT PUMP HEATING PERFORMANCE

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)																							
		-3 (-19.4)		7 (-13.9)		17 (-8.3)		27 (-2.8)		37 (2.8)		47 (8.3)		57 (13.9)		67 (19.4)									
EDB ° F (° C)	CFM	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†									
		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*										
65 (18.3)	525	6.57	6.04	1.23	8.48	7.79	1.28	10.53	9.60	1.33	12.74	11.31	1.39	15.25	13.88	1.46	18.04	18.04	1.55	20.79	20.79	1.63	23.40	23.40	1.72
	600	6.72	6.19	1.25	8.66	7.95	1.29	10.71	9.77	1.34	12.99	11.53	1.39	15.57	14.17	1.45	18.34	18.34	1.53	20.88	20.88	1.59	23.48	23.48	1.67
	675	6.87	6.32	1.26	8.81	8.10	1.31	10.89	9.93	1.35	13.20	11.72	1.39	15.81	14.39	1.45	18.61	18.61	1.51	20.94	20.94	1.57	23.41	23.41	1.64
70 (21.1)	525	6.23	5.74	1.28	8.18	7.52	1.33	10.24	9.34	1.39	12.44	11.05	1.45	14.90	13.56	1.53	17.66	17.66	1.62	20.52	20.52	1.71	23.10	23.10	1.80
	600	6.39	5.88	1.29	8.36	7.68	1.34	10.42	9.50	1.40	12.66	11.25	1.45	15.19	13.83	1.52	18.00	18.00	1.60	20.69	20.69	1.67	23.24	23.24	1.75
	675	6.52	6.00	1.31	8.52	7.83	1.36	10.60	9.66	1.40	12.88	11.44	1.45	15.45	14.06	1.51	18.28	18.28	1.58	20.73	20.73	1.64	23.25	23.25	1.72
75 (23.9)	525	5.89	5.42	1.32	7.86	7.23	1.39	9.94	9.06	1.45	12.15	10.79	1.52	14.55	13.24	1.59	17.31	17.31	1.69	20.20	20.20	1.79	22.78	22.78	1.88
	600	6.05	5.56	1.34	8.02	7.37	1.40	10.11	9.22	1.46	12.38	10.99	1.51	14.85	13.51	1.58	17.63	17.63	1.67	20.45	20.45	1.75	22.97	22.97	1.83
	675	6.19	5.69	1.36	8.20	7.54	1.41	10.29	9.39	1.46	12.58	11.17	1.52	15.09	13.73	1.58	17.92	17.92	1.66	20.55	20.55	1.72	23.03	23.03	1.80

213ANAO18-E Outdoor Section With FY4ANF018 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**2414A**	0.97	0.90	313*AV024045
CNPV*2417A**	0.97	0.89	313*AV024045
CNPV*1814A**	0.97	0.92	313*AV024045
CNPV*2414A**	0.97	0.89	313*AV024045
CSPH*2412A**	0.96	0.89	313*AV024045

See notes on page 42

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*FY4ANF018	1.00	1.00	
FE4ANF002	0.96	0.89	
FF1ENP018	1.00	1.00	
FF1ENP024	1.00	0.98	
FV4BNF002	0.96	0.89	
FX4CNF018	0.97	0.91	
FX4CNF024	0.96	0.89	
FY4ANF024	1.00	1.00	
CAP**2414A**	1.00	0.97	
CAP**2417A**	1.00	0.97	
CNPF*2418A**	1.00	0.96	
CNPV*2417A**	1.00	0.96	
CNPV*1814A**	1.00	0.97	
CNPV*2414A**	1.00	0.96	
CNPV*2417A**	1.00	0.96	
CSPH*2412A**	1.00	0.96	
CAP**1814A**	0.95	0.96	315(A,JA)V036070
CAP**2414A**	0.97	0.94	315(A,JA)V036070
CNPV*2417A**	0.97	0.92	315(A,JA)V036070
CNPV*1814A**	0.97	0.94	315(A,JA)V036070
CNPV*2414A**	0.97	0.92	315(A,JA)V036070
CSPH*2412A**	0.97	0.92	315(A,JA)V036070
CAP**2417A**	0.97	0.93	315(A,JA)V048090
CAP**2417A**	0.96	0.92	315(A,JA)V048090
CNPV*2417A**	0.97	0.92	315(A,JA)V048090
CNPV*2417A**	0.97	0.92	315(A,JA)V048090
CSPH*2412A**	0.97	0.92	315(A,JA)V048090
CAP**2417A**	0.98	0.87	353AAV036040
CNPV*2417A**	0.98	0.88	353AAV036040
CNPV*2417A**	0.98	0.88	353AAV036040
CSPH*2412A**	0.97	0.88	353AAV036040
CAP**2417A**	0.97	0.88	353AAV036060
CNPV*2417A**	0.97	0.89	353AAV036060
CNPV*2417A**	0.97	0.89	353AAV036060
CSPH*2412A**	0.96	0.91	353AAV036060
CNPV*2417A**	0.97	0.92	355(A,CA)V042040
CSPH*2412A**	0.97	0.92	355(A,CA)V042040
CNPV*2417A**	0.97	0.93	355(A,CA)V042060
CNPV*2417A**	0.97	0.92	355(A,CA)V042060
CSPH*2412A**	0.97	0.91	355(A,CA)V042060
CNPV*2417A**	0.97	0.92	355(A,CA)V042060
CSPH*2412A**	0.97	0.92	355(A,CA)V042060
CAP**1814A**	0.96	0.94	313*AV024045

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†			
		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	Total
65 (18.3)	700	9.58	8.82	1.52	11.98	11.01	1.59	14.58	13.29	1.66	17.51	15.56	1.75	20.82	18.94	1.86	24.20	24.20	1.96	27.14	27.14	2.06	30.15	30.15	2.17
	800	9.77	8.99	1.54	12.19	11.20	1.60	14.81	13.51	1.66	17.80	15.81	1.74	21.14	19.24	1.84	24.17	24.17	1.91	26.94	26.94	2.00	29.60	29.60	2.09
	900	9.94	9.15	1.56	12.37	11.37	1.61	15.03	13.70	1.67	18.06	16.04	1.74	21.40	19.47	1.83	24.07	24.07	1.89	26.59	26.59	1.97	28.87	28.87	2.03
70 (21.1)	700	9.29	8.54	1.59	11.70	10.75	1.67	14.30	13.04	1.74	17.18	15.26	1.84	20.47	18.63	1.95	23.95	23.95	2.06	26.95	26.95	2.17	30.01	30.01	2.29
	800	9.48	8.72	1.61	11.91	10.94	1.67	14.53	13.25	1.74	17.46	15.51	1.82	20.79	18.92	1.93	24.00	24.00	2.01	26.83	26.83	2.11	29.61	29.61	2.20
	900	9.65	8.87	1.63	12.09	11.11	1.69	14.73	13.43	1.75	17.71	15.73	1.83	21.06	19.16	1.92	23.97	23.97	1.99	26.60	26.60	2.07	29.03	29.03	2.15
75 (23.9)	700	8.96	8.24	1.67	11.40	10.48	1.75	14.02	12.78	1.83	16.85	14.97	1.93	20.14	18.33	2.05	23.63	23.63	2.17	26.71	26.71	2.28	29.80	29.80	2.41
	800	9.15	8.42	1.68	11.61	10.67	1.75	14.25	12.99	1.83	17.13	15.21	1.91	20.44	18.60	2.03	23.84	23.84	2.12	26.68	26.68	2.22	29.54	29.54	2.32
	900	9.33	8.58	1.70	11.80	10.84	1.77	14.45	13.17	1.83	17.37	15.43	1.91	20.71	18.84	2.02	23.82	23.82	2.09	26.53	26.53	2.18	29.10	29.10	2.27

HEATING INDOOR MODEL	CAPACITY		POWER	FURNACE MODEL	
	Total	Integ*		Total	Integ*
*F4ANF024	1.00	1.00	1.00	315(A,J)AV066135	
FF1ENP024	1.00	1.00	0.94	315(A,J)AV066155	
FF1ENP030	1.01	1.00	0.92	315(A,J)AV066155	
FV4BN(B,F)003	0.96	0.90	0.92	315(A,J)AV066155	
FV4BNF002	0.97	0.90	0.91	315(A,J)AV066155	
FX4CNF024	0.99	0.94	0.91	353AAV036040	
FX4CNF030	1.00	0.97	0.87	353AAV036040	
FY4ANF030	1.00	0.91	0.91	353AAV036040	
CAP**2414A**	1.02	1.00	0.87	353AAV036040	
CAP**2417A**	1.02	1.00	0.91	353AAV036040	
CAP**3014A**	0.98	0.97	0.87	353AAV036040	
CAP**3017A**	0.98	0.97	0.88	353AAV036040	
CNP**2418A**	1.02	0.98	0.88	353AAV036040	
CNP**2417A**	1.02	0.98	0.90	353AAV036040	
CNP**3017A**	0.98	0.97	0.87	353AAV036040	
CNPV**2414A**	1.02	0.98	0.87	353AAV036060	
CNPV**2417A**	1.02	0.98	0.91	353AAV036060	
CNPV**3014A**	0.98	0.97	0.87	353AAV036060	
CNPV**3017A**	0.98	0.97	0.87	353AAV036060	
CSPH**2412A**	1.01	0.97	0.90	353AAV036060	
CSPH**3012A**	0.97	0.96	0.88	353AAV036060	
CAP**2414A**	0.98	0.96	0.91	353AAV036080	
CAP**3014A**	0.96	0.93	0.89	353AAV036080	
CNP**2417A**	0.98	0.95	0.92	353AAV036080	
CNP**3017A**	0.96	0.93	0.88	353AAV036080	
CNPV**2414A**	0.98	0.94	0.92	353AAV036080	
CNPV**2417A**	0.98	0.94	0.92	353AAV036080	
CNPV**3014A**	0.98	0.93	0.88	353AAV036080	
CNPV**3017A**	0.98	0.93	0.88	353AAV036080	
CSPH**2412A**	0.98	0.93	0.91	353AAV036080	
CSPH**3012A**	0.95	0.92	0.89	353AAV036080	
CAP**2417A**	0.96	0.92	0.94	355(A,C)AV042040	
CAP**3017A**	0.96	0.92	0.92	355(A,C)AV042040	
CNP**2417A**	0.96	0.92	0.92	355(A,C)AV042040	
CNP**3017A**	0.96	0.92	0.92	355(A,C)AV042040	
CNPV**2414A**	0.96	0.92	0.95	355(A,C)AV042060	
CNPV**2417A**	0.96	0.92	0.95	355(A,C)AV042060	
CNPV**3014A**	0.96	0.92	0.94	355(A,C)AV042060	
CNPV**3017A**	0.96	0.92	0.94	355(A,C)AV042060	
CSPH**2412A**	0.98	0.94	0.92	355(A,C)AV042060	
CSPH**3012A**	0.95	0.92	0.92	355(A,C)AV042060	
CAP**2417A**	0.98	0.94	0.92	355(A,C)AV042060	
CAP**3017A**	0.98	0.94	0.92	355(A,C)AV042060	
CNP**2417A**	0.98	0.94	0.92	355(A,C)AV042060	
CNP**3017A**	0.98	0.94	0.92	355(A,C)AV042060	
CNPV**2414A**	0.98	0.93	0.93	355(A,C)AV042060	
CNPV**2417A**	0.98	0.93	0.92	355(A,C)AV042060	
CNPV**3014A**	0.98	0.92	0.94	355(A,C)AV042080	
CNPV**3017A**	0.98	0.92	0.92	355(A,C)AV042080	
CSPH**2412A**	0.96	0.92	0.93	355(A,C)AV042080	
CSPH**3012A**	0.98	0.92	0.93	355(A,C)AV042080	

HEATING INDOOR MODEL	CAPACITY		POWER	FURNACE MODEL	
	Total	Integ*		Total	Integ*
CSPH**3012A**	0.95	0.91	0.91	315(A,J)AV066135	
CNP**2417A**	0.98	0.94	0.94	315(A,J)AV066155	
CNP**3017A**	0.96	0.92	0.92	315(A,J)AV066155	
CSPH**2412A**	0.98	0.92	0.92	315(A,J)AV066155	
CAP**2417A**	0.98	0.91	0.91	353AAV036040	
CAP**3017A**	0.94	0.87	0.87	353AAV036040	
CNP**2417A**	0.98	0.91	0.91	353AAV036040	
CNP**3017A**	0.98	0.91	0.91	353AAV036040	
CNPV**2414A**	0.98	0.90	0.88	353AAV036040	
CNPV**2417A**	0.98	0.88	0.88	353AAV036040	
CNPV**3014A**	0.98	0.90	0.90	353AAV036060	
CNPV**3017A**	0.98	0.87	0.87	353AAV036060	
CSPH**2412A**	0.98	0.90	0.90	353AAV036060	
CSPH**3012A**	0.94	0.88	0.88	353AAV036060	
CAP**2417A**	0.98	0.90	0.90	353AAV036060	
CAP**3017A**	0.94	0.87	0.87	353AAV036060	
CNP**2417A**	0.98	0.91	0.91	353AAV036060	
CNP**3017A**	0.98	0.91	0.91	353AAV036060	
CNPV**2414A**	0.98	0.87	0.87	353AAV036060	
CNPV**2417A**	0.98	0.87	0.87	353AAV036060	
CNPV**3014A**	0.98	0.88	0.88	353AAV036060	
CNPV**3017A**	0.98	0.88	0.88	353AAV036060	
CSPH**2412A**	0.98	0.90	0.90	353AAV036060	
CSPH**3012A**	0.94	0.88	0.88	353AAV036060	
CAP**2417A**	0.98	0.91	0.91	353AAV036080	
CAP**3017A**	0.95	0.89	0.89	353AAV036080	
CNP**2417A**	0.98	0.92	0.92	353AAV036080	
CNP**3017A**	0.96	0.90	0.90	353AAV036080	
CNPV**2414A**	0.98	0.88	0.88	353AAV036080	
CNPV**2417A**	0.98	0.88	0.88	353AAV036080	
CNPV**3014A**	0.98	0.88	0.88	353AAV036080	
CNPV**3017A**	0.98	0.88	0.88	353AAV036080	
CSPH**2412A**	0.98	0.91	0.91	353AAV036080	
CSPH**3012A**	0.94	0.89	0.89	353AAV036080	
CAP**2417A**	0.96	0.92	0.94	355(A,C)AV042040	
CAP**3017A**	0.96	0.92	0.92	355(A,C)AV042040	
CNP**2417A**	0.96	0.92	0.92	355(A,C)AV042040	
CNP**3017A**	0.96	0.92	0.92	355(A,C)AV042040	
CNPV**2414A**	0.96	0.92	0.95	355(A,C)AV042060	
CNPV**2417A**	0.96	0.92	0.95	355(A,C)AV042060	
CNPV**3014A**	0.96	0.92	0.94	355(A,C)AV042060	
CNPV**3017A**	0.96	0.92	0.94	355(A,C)AV042060	
CSPH**2412A**	0.98	0.94	0.92	355(A,C)AV042060	
CSPH**3012A**	0.95	0.92	0.92	355(A,C)AV042060	
CAP**2417A**	0.98	0.94	0.92	355(A,C)AV042060	
CAP**3017A**	0.98	0.94	0.92	355(A,C)AV042060	
CNP**2417A**	0.98	0.94	0.92	355(A,C)AV042060	
CNP**3017A**	0.98	0.94	0.92	355(A,C)AV042060	
CNPV**2414A**	0.98	0.93	0.93	355(A,C)AV042060	
CNPV**2417A**	0.98	0.92	0.92	355(A,C)AV042060	
CNPV**3014A**	0.98	0.92	0.94	355(A,C)AV042080	
CNPV**3017A**	0.98	0.92	0.92	355(A,C)AV042080	
CSPH**2412A**	0.96	0.92	0.93	355(A,C)AV042080	
CSPH**3012A**	0.98	0.92	0.93	355(A,C)AV042080	

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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)		
		Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†
EDB ° F (° C)	CFM	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*		
		875	12.02	11.06	1.89	15.08	13.85	1.97	18.33	16.72	2.07	21.82	19.38	2.18	25.66	23.35	2.31	29.99	29.99	2.47	34.77	34.77	2.64	39.32	39.32
65 (18.3)	1000	12.26	11.28	1.90	15.33	14.09	1.98	18.61	16.97	2.06	22.12	19.84	2.16	26.04	23.69	2.28	30.47	30.47	2.42	35.11	35.11	2.55	39.58	39.58	2.69
	1125	12.47	11.47	1.92	15.56	14.30	1.99	18.86	17.19	2.07	22.38	19.88	2.15	28.41	24.04	2.26	30.87	30.87	2.39	35.28	35.28	2.49	39.69	39.69	2.63
70 (21.1)	875	11.62	10.69	1.98	14.71	13.52	2.08	17.98	16.40	2.18	21.49	19.08	2.30	25.25	22.98	2.43	29.55	29.55	2.60	34.31	34.31	2.79	38.81	38.81	2.94
	1000	11.85	10.91	2.00	14.97	13.76	2.08	18.26	16.65	2.17	21.79	19.35	2.28	25.64	23.33	2.40	30.00	30.00	2.55	34.70	34.70	2.69	39.17	39.17	2.83
75 (23.9)	1125	12.07	11.10	2.02	15.20	13.97	2.10	18.51	16.88	2.18	22.05	19.59	2.27	25.97	23.63	2.38	30.39	30.39	2.52	34.94	34.94	2.63	39.35	39.35	2.77
	875	11.19	10.29	2.07	14.32	13.16	2.18	17.61	16.06	2.29	21.13	18.77	2.42	24.86	22.62	2.56	29.13	29.13	2.74	33.84	33.84	2.95	38.33	38.33	3.09
1000	11.42	10.51	2.09	14.58	13.40	2.19	17.90	16.32	2.29	21.44	19.04	2.40	25.23	22.95	2.52	29.56	29.56	2.68	34.25	34.25	2.84	38.72	38.72	2.98	
1125	11.64	10.70	2.12	14.82	13.61	2.20	18.15	16.55	2.29	21.72	19.29	2.39	25.55	23.25	2.50	29.93	29.93	2.65	34.55	34.55	2.78	38.96	38.96	2.91	

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL		POWER	FURNACE MODEL
				Capacity	Power		
*F4ANF030	1.00	1.00	315(A,J)AV068135	0.99	0.98	315(A,J)AV068135	0.98
FE4AN(F)003	0.99	0.96	315(A,J)AV066135	1.00	0.99	315(A,J)AV066135	0.99
FE4ANF002	1.00	0.97	315(A,J)AV066135	1.00	0.95	315(A,J)AV066135	0.95
FF1ENP030	1.00	1.01	315(A,J)AV066155	0.99	0.98	315(A,J)AV066155	0.98
FF1ENP036	1.00	0.99	315(A,J)AV066155	0.99	0.98	315(A,J)AV066155	0.98
FV4BN(F)003	0.99	0.96	315(A,J)AV066155	1.00	0.99	315(A,J)AV066155	0.99
FV4BNF002	1.00	0.97	315(A,J)AV066155	1.00	0.95	315(A,J)AV066155	0.95
FV4GN(B)F036	1.00	0.96	353AAV036040	1.00	0.97	353AAV036040	0.97
FV4GNF030	1.00	0.96	353AAV036040	1.00	0.96	353AAV036040	0.96
FY4ANF036	1.00	1.00	353AAV036040	1.00	0.97	353AAV036040	0.97
CAP**3014A**	1.00	1.00	353AAV036040	1.00	0.97	353AAV036040	0.97
CAP**3017A**	1.00	1.00	353AAV036040	1.00	0.97	353AAV036040	0.97
CAP**3614A**	1.00	0.99	353AAV036040	1.00	0.97	353AAV036040	0.97
CAP**3617A**	1.00	0.99	353AAV036040	1.00	0.92	353AAV036040	0.92
CAP**3621A**	1.00	0.99	353AAV036040	1.00	0.96	353AAV036060	0.96
CNP**3017A**	1.00	0.99	353AAV036060	1.00	0.95	353AAV036060	0.95
CNP**3017A**	1.00	0.99	353AAV036060	1.00	0.97	353AAV036060	0.97
CNP**3014A**	1.00	0.99	353AAV036060	1.00	0.97	353AAV036060	0.97
CNP**3017A**	1.00	0.99	353AAV036060	1.00	0.97	353AAV036060	0.97
CNP**3617A**	1.00	0.99	353AAV036060	1.00	0.97	353AAV036060	0.97
CNP**3621A**	1.00	0.99	353AAV036060	1.00	0.92	353AAV036060	0.92
CSPH**3012A**	1.00	0.99	353AAV036060	1.00	0.97	353AAV036060	0.97
CSPH**3612A**	1.00	0.95	353AAV036080	1.00	0.97	353AAV036080	0.97
CAP**3014A**	1.00	1.01	353AAV048090	1.00	0.96	353AAV048080	0.96
CAP**3614A**	1.00	1.00	353AAV048090	1.00	0.96	353AAV048080	0.96
CAP**3617A**	1.00	0.99	353AAV048090	1.00	0.97	353AAV048080	0.97
CNP**3017A**	1.00	1.00	353AAV048090	1.00	0.97	353AAV048080	0.97
CNP**3014A**	1.00	1.00	353AAV048090	1.00	0.96	353AAV048080	0.96
CNP**3017A**	1.00	0.99	353AAV048090	1.00	0.96	353AAV048080	0.96
CNP**3617A**	1.00	0.99	353AAV048090	1.00	0.96	353AAV048080	0.96
CNP**3621A**	1.00	0.99	353AAV048090	1.00	0.91	353AAV048080	0.91
CAP**3621A**	1.00	0.98	355(A,C)AV042040	1.00	1.00	355(A,C)AV042040	1.00
CNP**3017A**	1.00	0.99	355(A,C)AV042040	1.00	1.00	355(A,C)AV042040	1.00
CNP**3617A**	1.00	0.98	355(A,C)AV042040	1.00	1.00	355(A,C)AV042040	1.00
CNP**3621A**	1.00	0.98	355(A,C)AV042040	1.00	0.97	355(A,C)AV042040	0.97
CSPH**3012A**	1.00	0.99	355(A,C)AV042060	0.99	1.00	355(A,C)AV042060	1.00
CSPH**3612A**	1.00	0.95	355(A,C)AV042060	0.99	0.99	355(A,C)AV042060	0.99
CNP**3017A**	0.99	0.98	355(A,C)AV042060	0.99	1.00	355(A,C)AV042060	1.00
CNP**3617A**	0.99	0.98	355(A,C)AV042060	0.99	1.00	355(A,C)AV042060	1.00
CNP**3017A**	0.99	0.98	355(A,C)AV068135	0.99	1.00	355(A,C)AV068135	1.00

HEAT PUMP HEATING PERFORMANCE CONTINUED

Table with columns for Indoor Air (EDB °F, CFM), Outdoor Air (7, 17, 27, 37, 47, 57, 67 °F), and Capacity (MBtu/h, Total, Integ*). Includes a section for 213AVN036-D Outdoor Section With FV4ANF036 Indoor Section.

Table with columns: HEATING INDOOR MODEL, CAPACITY, POWER, FURNACE MODEL, HEATING INDOOR MODEL, CAPACITY, POWER, FURNACE MODEL.

Table with columns: HEATING INDOOR MODEL, CAPACITY, POWER, FURNACE MODEL, HEATING INDOOR MODEL, CAPACITY, POWER, FURNACE MODEL.

Table with columns: HEATING INDOOR MODEL, CAPACITY, POWER, FURNACE MODEL, HEATING INDOOR MODEL, CAPACITY, POWER, FURNACE MODEL.



213A

HEAT PUMP HEATING PERFORMANCE CONTINUED

213ANAF036-D Outdoor Section With F14ANF036 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**3617A**	0.98	0.97	313*AV048070
CNPH*3617A**	0.98	0.98	313*AV048070
CNPH*4221A**	0.98	0.95	313*AV048070
CNPV*3617A**	0.98	0.98	313*AV048070
CNPV*4217A**	0.96	0.93	313*AV048070
CSPH*3612A**	0.97	0.93	313*AV048070
CSPH*4212A**	0.95	0.91	313*AV048070
CAP**3621A**	0.97	0.93	313*AV048090
CAP**4221A**	0.97	0.92	313*AV048090
CNPH*3617A**	0.98	0.96	313*AV048090
CNPH*4221A**	0.97	0.93	313*AV048090
CNPV*3621A**	0.98	0.95	313*AV048090
CNPV*4221A**	0.97	0.93	313*AV048090
CSPH*3612A**	0.96	0.90	313*AV048090
CSPH*4212A**	0.95	0.88	313*AV048090
CAP**3621A**	0.97	0.92	313*AV060110
CAP**4221A**	0.97	0.91	313*AV060110
CNPH*3617A**	0.98	0.95	313*AV060110
CNPH*4221A**	0.97	0.91	313*AV060110
CNPV*3621A**	0.98	0.95	313*AV060110
CNPV*4221A**	0.97	0.91	313*AV060110
CSPH*3612A**	0.96	0.90	313*AV060110
CSPH*4212A**	0.95	0.88	313*AV060110

See notes on page 42

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)										HEATING INDOOR MODEL		CAPACITY		POWER		FURNACE MODEL		HEATING INDOOR MODEL		CAPACITY		POWER		FURNACE MODEL							
		-3 (-19.4)		7 (-13.9)		17 (-8.3)		27 (-2.8)		37 (2.8)																		47 (8.3)		57 (13.9)		67 (19.4)	
		Capacity MBtuh	Total Sys. KWt	Capacity MBtuh	Total Sys. KWt	Capacity MBtuh	Total Sys. KWt	Capacity MBtuh	Total Sys. KWt	Capacity MBtuh	Total Sys. KWt																	Capacity MBtuh	Total Sys. KWt	Capacity MBtuh	Total Sys. KWt	Capacity MBtuh	Total Sys. KWt
65 (18.3)	CFM	1225	17.53	16.13	2.72	21.61	19.86	2.83	26.00	23.71	2.95	30.74	27.30	3.08	36.21	32.95	3.26	42.09	42.09	3.43	47.60	47.60	3.60	53.07	53.07	3.79							
			Total	17.88	16.45	2.75	21.99	20.20	2.85	26.39	24.06	2.96	31.20	27.71	3.08	36.75	33.44	3.25	42.44	42.44	3.38	47.57	47.57	3.53	52.73	52.73	3.69						
		1575	Total	18.21	16.75	2.80	22.32	20.51	2.89	26.75	24.39	2.99	31.61	28.08	3.10	37.22	33.87	3.25	42.50	42.50	3.36	47.37	47.37	3.49	52.15	52.15	3.63						
			Integ*	17.06	15.69	2.84	21.17	19.45	2.96	25.58	23.32	3.09	30.29	26.90	3.23	35.68	32.47	3.42	41.58	41.58	3.60	47.11	47.11	3.77	52.62	52.62	3.98						
		70 (21.1)	CFM	1400	Total	17.40	16.01	2.88	21.52	19.78	2.99	25.97	23.68	3.10	30.69	27.26	3.23	36.21	32.96	3.40	42.00	42.00	3.55	47.24	47.24	3.70	52.50	52.50	3.87				
					Integ*	17.74	16.32	2.92	21.88	20.11	3.02	26.32	24.00	3.12	31.11	27.63	3.24	36.68	33.38	3.40	42.19	42.19	3.52	47.15	47.15	3.66	52.04	52.04	3.81				
				Total	16.54	15.21	2.96	20.69	19.02	3.09	25.13	22.91	3.23	29.85	26.51	3.39	35.03	31.88	3.57	41.04	41.04	3.78	46.60	46.60	3.95	52.13	52.13	4.17					
		75 (23.9)	CFM	1400	Total	16.89	15.54	3.00	21.08	19.37	3.12	25.53	23.28	3.24	30.29	26.90	3.38	35.58	32.38	3.56	41.57	41.57	3.72	46.84	46.84	3.88	52.10	52.10	4.06				
					Integ*	17.21	15.83	3.05	21.41	19.67	3.16	25.90	23.62	3.27	30.67	27.24	3.40	36.15	32.90	3.55	41.81	41.81	3.69	46.84	46.84	3.84	51.83	51.83	3.99				
				Total	17.53	16.13	2.72	21.61	19.86	2.83	26.00	23.71	2.95	30.74	27.30	3.08	36.21	32.95	3.26	42.09	42.09	3.43	47.60	47.60	3.60	53.07	53.07	3.79					

HEAT PUMP HEATING PERFORMANCE CONTINUED

213ANAF042 - C Outdoor Section With FY4ANF042 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CSPH*4812A**	0.98	0.94	355(A,C)AV060100
CAP**4224A**	0.98	0.99	355(A,C)AV060120
CAP**4824A**	0.98	0.95	355(A,C)AV060120
CNPH*4221A**	0.98	0.98	355(A,C)AV060120
CNPH*4821A**	0.98	0.95	355(A,C)AV060120
CNPV*4824A**	0.98	0.95	355(A,C)AV060120
CSPH*4212A**	0.99	0.96	355(A,C)AV060120
CSPH*4812A**	0.98	0.94	355(A,C)AV060120
CAP**4817A**	0.99	0.97	313*AV048070
CNPH*4221A**	1.01	1.04	313*AV048070
CNPH*4821A**	1.00	0.98	313*AV048070
CNPV*4217A**	1.01	1.02	313*AV048070
CSPH*4212A**	1.00	0.98	313*AV048070
CSPH*4812A**	1.00	0.97	313*AV048070
CAP**4221A**	0.99	0.99	313*AV048090
CAP**4821A**	0.99	0.95	313*AV048090
CNPH*4221A**	0.99	0.99	313*AV048090
CNPH*4821A**	0.99	0.94	313*AV048090
CNPV*4221A**	0.99	0.99	313*AV048090
CNPV*4821A**	0.99	0.95	313*AV048090
CSPH*4212A**	0.99	0.95	313*AV048090
CSPH*4812A**	0.99	0.94	313*AV048090
CAP**4221A**	0.99	0.98	313*AV060110
CAP**4821A**	0.99	0.94	313*AV060110
CNPH*4221A**	0.99	0.99	313*AV060110
CNPH*4821A**	0.99	0.94	313*AV060110
CNPV*4221A**	0.99	0.99	313*AV060110
CNPV*4821A**	1.00	0.95	313*AV060110
CSPH*4212A**	0.99	0.94	313*AV060110
CSPH*4812A**	0.99	0.98	313*AV060135
CAP**4224A**	0.99	0.94	313*AV060135
CAP**4824A**	0.99	1.00	313*AV060135
CNPH*4221A**	0.99	0.94	313*AV060135
CNPH*4821A**	1.00	0.95	313*AV060135
CNPV*4824A**	0.99	0.95	313*AV060135
CSPH*4212A**	0.99	0.94	313*AV060135

See notes on page 42

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)		
		Capacity MBtuh		Total Sys. KWt	Capacity MBtuh		Total Sys. KWt	Capacity MBtuh		Total Sys. KWt	Capacity MBtuh		Total Sys. KWt	Capacity MBtuh		Total Sys. KWt	Capacity MBtuh		Total Sys. KWt	Capacity MBtuh		Total Sys. KWt	Capacity MBtuh		Total Sys. KWt
EDB ° F (° C)	CFM	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*		
		65 (18.3)	1400	20.81	19.15	23.36	3.19	30.38	27.70	31.86	3.47	42.17	38.37	3.62	48.31	48.31	3.79	54.67	54.67	3.98	57.60	57.60	4.06	67	67
1600	21.19		19.50	23.74	3.22	30.81	28.09	32.33	3.47	42.62	38.79	3.60	48.38	48.38	3.74	52.00	52.00	3.83	53.71	53.71	3.86			3.86	
1800	21.55		19.83	24.08	3.26	31.20	28.45	32.77	3.50	42.78	38.89	3.60	48.08	48.08	3.73	49.39	49.39	3.74	50.69	50.69	3.76			3.76	
70 (21.1)	1400	20.34	18.71	22.94	3.33	29.94	27.30	31.38	3.63	41.59	37.84	3.81	47.84	47.84	3.97	54.25	54.25	4.18	58.09	58.09	4.30			4.30	
	1600	20.73	19.07	23.33	3.36	30.38	27.70	31.84	3.63	42.17	38.38	3.78	48.00	48.00	3.93	52.90	52.90	4.06	54.76	54.76	4.10			4.10	
	1800	21.08	19.40	23.67	3.41	30.78	28.07	32.25	3.65	42.48	38.65	3.78	47.99	47.99	3.91	50.45	50.45	3.97	51.89	51.89	3.98			3.98	
75 (23.9)	1400	19.84	18.25	22.50	3.48	29.50	26.89	30.94	3.80	41.03	37.33	4.01	47.37	47.37	4.17	53.77	53.77	4.39	58.58	58.58	4.55			4.55	
	1600	20.23	18.61	22.89	3.51	29.94	27.30	31.36	3.80	41.61	37.87	3.96	47.60	47.60	4.12	53.57	53.57	4.30	55.57	55.57	4.34			4.34	
	1800	20.59	18.94	23.24	3.56	30.34	27.67	31.77	3.82	42.06	38.28	3.96	47.67	47.67	4.10	51.31	51.31	4.20	52.92	52.92	4.22			4.22	

HEATING INDOOR MODEL		CAPACITY		POWER		FURNACE MODEL		HEATING INDOOR MODEL		CAPACITY		POWER		FURNACE MODEL	
*FY4ANF048	1.00	1.00	315(A,J)AV068155	0.94	0.94	315(A,J)AV068155	CNPV*6024A**	0.98	0.94	0.94	315(A,J)AV068155	0.98	0.94	0.94	315(A,J)AV068155
FE4ANB006	0.98	0.94	315(A,J)AV066155	0.97	0.97	315(A,J)AV066155	CNPV*4824A**	0.99	0.97	0.97	315(A,J)AV066155	0.99	0.97	0.97	315(A,J)AV066155
FV4BNB(F)005	0.97	0.91	315(A,J)AV066155	0.98	0.94	315(A,J)AV066155	CNPV*6024A**	1.00	0.96	0.96	315(A,J)AV066155	1.00	0.96	0.96	315(A,J)AV066155
FV4BNB006	0.98	0.94	315(A,J)AV066155	0.97	0.91	315(A,J)AV066155	CSPH*4812A**	0.98	0.96	0.93	315(A,J)AV066155	0.98	0.93	0.93	315(A,J)AV066155
FV4CNB(F)048	0.99	0.95	355(A,C)AV068080	0.98	0.96	355(A,C)AV068080	CAP**4821A**	1.00	0.98	0.98	355(A,C)AV068080	1.00	0.98	0.98	355(A,C)AV068080
FV4CNB(F)060	0.96	0.91	355(A,C)AV068080	0.97	0.91	355(A,C)AV068080	CNPV*4821A**	1.01	0.98	1.00	355(A,C)AV068080	1.01	0.98	1.00	355(A,C)AV068080
FY4ANB060	0.96	0.91	355(A,C)AV068080	0.98	0.96	355(A,C)AV068080	CNPV*4821A**	1.00	0.98	0.98	355(A,C)AV068080	1.00	0.98	0.98	355(A,C)AV068080
CAP**4817A**	1.00	0.99	353AAV048080	1.01	0.99	353AAV048080	CSPH*4812A**	1.01	0.99	0.99	353AAV048080	1.01	0.99	0.99	353AAV048080
CAP**4821A**	1.00	0.98	353AAV048080	0.99	0.98	353AAV048080	CSPH*6012A**	0.99	0.95	0.95	353AAV048080	0.99	0.95	0.95	353AAV048080
CAP**4824A**	1.00	0.97	353AAV060100	1.00	0.98	353AAV060100	CAP**4821A**	1.00	0.98	0.98	353AAV060100	1.00	0.98	0.98	353AAV060100
CAP**6021A**	0.95	0.96	353AAV060100	0.97	0.96	353AAV060100	CAP**6021A**	0.97	0.94	0.94	353AAV060100	0.97	0.94	0.94	353AAV060100
CNPV*4818A**	1.00	1.03	353AAV060100	0.99	1.03	353AAV060100	CNPV*4821A**	0.99	0.95	0.95	353AAV060100	0.99	0.95	0.95	353AAV060100
CNPV*4821A**	1.00	0.98	353AAV060100	0.99	0.98	353AAV060100	CNPV*4821A**	0.99	0.97	0.97	353AAV060100	0.99	0.97	0.97	353AAV060100
CNPV*6024A**	1.00	0.98	353AAV060100	1.00	0.98	353AAV060100	CSPH*4812A**	1.00	0.97	0.97	353AAV060100	1.00	0.97	0.97	353AAV060100
CNPV*4824A**	1.00	0.98	353AAV060100	0.99	0.98	353AAV060100	CSPH*6012A**	0.98	0.96	0.96	353AAV060100	0.98	0.96	0.96	353AAV060100
CNPV*6024A**	1.00	0.98	353AAV060100	1.00	0.98	353AAV060100	CAP**4824A**	1.00	0.96	0.96	353AAV060100	1.00	0.96	0.96	353AAV060100
CSPH*4812A**	1.00	0.97	353AAV060100	1.00	0.97	353AAV060100	CNPV*4821A**	1.00	0.95	0.95	353AAV060100	1.00	0.95	0.95	353AAV060100
CSPH*6012A**	1.00	0.97	353AAV060100	1.00	0.97	353AAV060100	CNPV*4824A**	0.99	0.95	0.95	353AAV060100	0.99	0.95	0.95	353AAV060100
CAP**4821A**	0.99	0.97	315(A,J)AV048090	0.99	0.97	315(A,J)AV048090	CNPV*4824A**	0.99	0.95	0.95	315(A,J)AV048090	0.99	0.95	0.95	315(A,J)AV048090
CNPV*4821A**	1.00	1.00	315(A,J)AV048090	1.00	1.00	315(A,J)AV048090	CNPV*6024A**	0.99	0.95	0.95	315(A,J)AV048090	0.99	0.95	0.95	315(A,J)AV048090
CNPV*4824A**	1.00	0.99	315(A,J)AV048090	1.00	0.99	315(A,J)AV048090	CNPV*4821A**	0.99	0.95	0.95	315(A,J)AV048090	0.99	0.95	0.95	315(A,J)AV048090
CNPV*6012A**	0.99	0.97	315(A,J)AV060110	0.99	0.97	315(A,J)AV060110	CNPV*4821A**	0.99	0.95	0.95	315(A,J)AV060110	0.99	0.95	0.95	315(A,J)AV060110
CNPV*4812A**	1.00	0.99	315(A,J)AV060110	1.00	0.99	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CNPV*4824A**	1.00	0.99	315(A,J)AV060110	1.00	0.99	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CNPV*6012A**	0.99	0.98	315(A,J)AV060110	0.99	0.98	315(A,J)AV060110	CNPV*6024A**	0.99	0.95	0.95	315(A,J)AV060110	0.99	0.95	0.95	315(A,J)AV060110
CAP**4821A**	0.99	0.97	315(A,J)AV060110	0.99	0.97	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CAP**4824A**	0.99	0.97	315(A,J)AV060110	0.99	0.97	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CNPV*4821A**	1.00	0.99	315(A,J)AV060110	1.00	0.99	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CNPV*4824A**	1.00	0.99	315(A,J)AV060110	1.00	0.99	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CNPV*6024A**	0.99	0.97	315(A,J)AV060110	0.99	0.97	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CAP**6024A**	0.97	0.95	315(A,J)AV060110	0.97	0.95	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CNPV*4821A**	1.00	0.99	315(A,J)AV060110	1.00	0.99	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CNPV*4824A**	1.00	0.99	315(A,J)AV060110	1.00	0.99	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CNPV*6012A**	0.99	0.98	315(A,J)AV060110	0.99	0.98	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CAP**4821A**	0.99	0.97	315(A,J)AV060110	0.99	0.97	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CAP**4824A**	0.97	0.95	315(A,J)AV060110	0.97	0.95	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CNPV*4821A**	1.00	0.99	315(A,J)AV060110	1.00	0.99	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CNPV*4824A**	1.00	0.99	315(A,J)AV060110	1.00	0.99	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CNPV*6012A**	0.99	0.98	315(A,J)AV060110	0.99	0.98	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CAP**4821A**	0.99	0.97	315(A,J)AV060110	0.99	0.97	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CAP**4824A**	0.97	0.95	315(A,J)AV060110	0.97	0.95	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CNPV*4821A**	1.00	0.99	315(A,J)AV060110	1.00	0.99	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CNPV*4824A**	1.00	0.99	315(A,J)AV060110	1.00	0.99	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV060110
CNPV*6012A**	0.99	0.98	315(A,J)AV060110	0.99	0.98	315(A,J)AV060110	CNPV*4821A**	1.00	0.98	0.98	315(A,J)AV060110	1.00	0.98	0.98	315(A,J)AV06011

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)												HEATING INDOOR MODEL		FURNACE MODEL		POWER		CAPACITY		HEATING INDOOR MODEL		FURNACE MODEL		POWER		CAPACITY		HEATING INDOOR MODEL		FURNACE MODEL		POWER		CAPACITY		HEATING INDOOR MODEL		FURNACE MODEL		POWER		CAPACITY		HEATING INDOOR MODEL		FURNACE MODEL		POWER		CAPACITY	
		-3 (-19.4)		7 (-13.9)		17 (-8.3)		27 (-2.8)		37 (2.8)		47 (8.3)																																									
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†	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*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	
213ANA060 - D Outdoor Section With FY4ANB060 Indoor Section																																																					
65 (18.3)	1750	24.06	22.14	2.98	30.37	27.90	3.14	37.01	33.74	3.31	44.09	39.16	3.49	51.99	47.31	3.70	60.58	60.58	3.88	68.82	68.82	4.11	77.46	77.46	4.36	86.20	86.20	4.59	95.04	95.04	4.84	103.68	103.68	5.07	112.32	112.32	5.35	121.00	121.00	5.63	129.64	129.64	5.91										
70 (21.1)	2000	24.32	22.37	2.95	30.63	28.14	3.10	37.33	34.04	3.24	44.47	39.50	3.41	52.57	47.84	3.59	60.71	60.71	3.75	68.81	68.81	3.94	75.63	75.63	4.11	83.46	83.46	4.38	90.11	90.11	4.65	96.41	96.41	4.92	102.61	102.61	5.19	109.11	109.11	5.46	115.61	115.61	5.73										
	2250	24.52	22.56	2.93	30.87	28.37	3.06	37.59	34.27	3.20	44.78	39.77	3.35	53.02	48.24	3.50	60.66	60.66	3.65	68.43	68.43	3.82	72.29	72.29	3.89	79.86	79.86	4.09	85.76	85.76	4.36	91.91	91.91	4.62	97.76	97.76	4.89	103.61	103.61	5.16	109.11	109.11	5.43	114.61	114.61	5.70							
75 (23.9)	1750	23.20	21.34	3.13	29.59	27.19	3.31	36.29	33.09	3.49	43.39	38.54	3.68	51.21	46.60	3.91	59.77	59.77	4.10	67.95	67.95	4.33	76.55	76.55	4.60	83.16	83.16	4.87	88.81	88.81	5.14	94.01	94.01	5.41	100.11	100.11	5.68	105.61	105.61	5.94	111.11	111.11	6.21										
	2000	23.45	21.58	3.10	29.88	27.46	3.27	36.63	33.40	3.42	43.77	38.87	3.60	51.69	47.04	3.80	60.02	60.02	3.96	68.06	68.06	4.16	75.59	75.59	4.36	81.81	81.81	4.63	87.66	87.66	4.90	92.51	92.51	5.17	97.11	97.11	5.43	102.11	102.11	5.69	107.11	107.11	5.95										
2250	1750	22.27	20.49	3.29	28.76	26.42	3.48	35.52	32.38	3.67	42.68	37.91	3.88	50.42	45.89	4.12	58.93	58.93	4.32	67.07	67.07	4.57	75.59	75.59	4.84	81.81	81.81	5.14	87.66	87.66	5.41	93.46	93.46	5.68	99.01	99.01	5.94	104.11	104.11	6.21													
	2000	22.53	20.73	3.26	29.05	26.70	3.44	35.84	32.68	3.61	43.07	38.25	3.80	50.92	46.34	4.01	59.25	59.25	4.18	67.27	67.27	4.39	75.25	75.25	4.61	81.81	81.81	4.87	87.66	87.66	5.14	93.46	93.46	5.41	99.01	99.01	5.68	104.11	104.11	5.94													
2250	22.74	20.92	3.24	29.29	26.92	3.41	36.12	32.93	3.56	43.36	38.51	3.74	51.40	46.77	3.92	59.39	59.39	4.07	67.19	67.19	4.26	72.81	72.81	4.39	78.81	78.81	4.62	84.61	84.61	4.89	90.41	90.41	5.16	96.01	96.01	5.43	101.61	101.61	5.70														

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

* The Btuh heating capacity values shown are net integrated values from which the defrost effect has been subtracted. The Btuh heating from supplement heaters should be added to these 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

System Description

Outdoor-mounted, air-cooled, split-system heat pump 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 ARI Standard 240.
- Unit will be certified for capacity and efficiency, and listed in the latest ARI directory.
- Unit construction will comply with latest edition of ANSI/ASHRAE and with NEC.
- Unit will be constructed in accordance with UL standards and will carry the UL label of approval. Unit will have C-UL approval.
- Unit cabinet will be capable of withstanding Federal Test Method Standard No. 141 (Method 6061) 500-hr salt spray test.
- Air-cooled condenser coils are pressure tested and the outdoor unit is leak tested.
- Unit constructed in ISO9001 approved facility.

Delivery, Storage, and Handling

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

Warranty (for inclusion by specifying engineer)

- U.S. and Canada only.

PRODUCTS

Equipment

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

Unit Cabinet

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

Fans

- Condenser fan will be direct-drive propeller type, discharging air upward.
- Condenser fan motors will be totally enclosed, 1-phase type with class B insulation and permanently lubricated bearings.
- Shafts will be corrosion resistant.
- Fan blades will be statically and dynamically balanced.
- Condenser fan openings will be equipped with 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 Puron® (R-410A) refrigerant, POE compressor oil, accumulator, and reversing valve.

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 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.

