

**CH13NA 018–060
Single–Stage Heat Pump
with Puron® Refrigerant**



Product Data



Carrier's CH13 has been designed utilizing Carrier's Puron refrigerant. The environmentally sound refrigerant allows you to make a responsible decision in the protection of the earth's ozone layer.

This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. Refer to the combination ratings in the Product Data for system combinations that meet Energy Star® guidelines.

INDUSTRY LEADING FEATURES / BENEFITS

Efficiency

- Up to 14.5 SEER/12.5 EER
- Microtube Technology™ refrigeration system
- Energy Star® combinations

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
- Filter drier

Durability

WeatherArmor™ protection package:

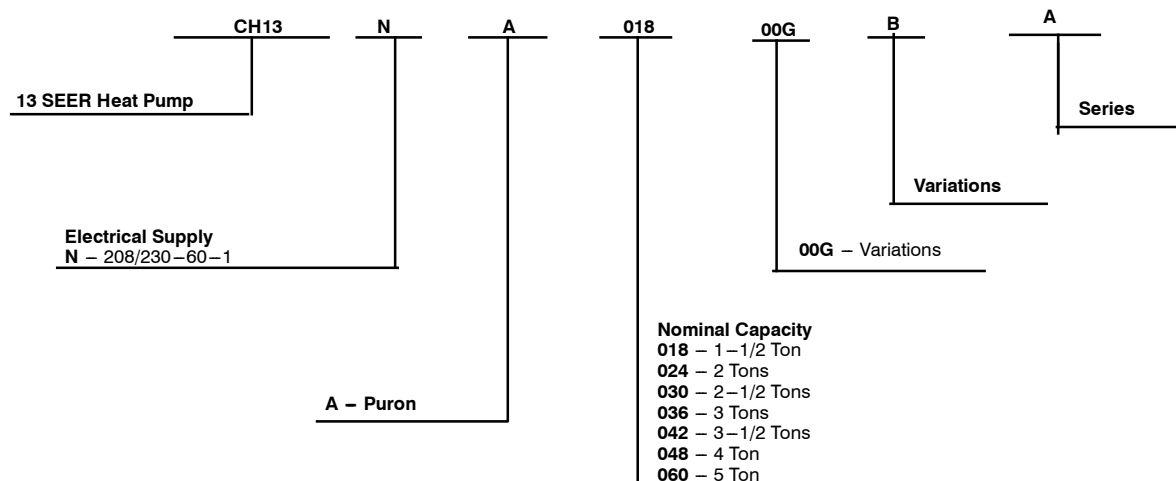
- Solid, durable sheet metal construction
- Dense wire coil guard

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

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.

PRODUCT NUMBER NOMENCLATURE



CH13NA



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.**

A-WEIGHTED SOUND POWER (dBA)

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

Note: Tested in accordance with AHRI standard 270–2008 (Not listed with AHRI)

METERING DEVICE

UNIT SIZE – SERIES	OUTDOOR PISTON	REQUIRED TXV SUBCOOLING °F (°C)	INDOOR METERING DEVICE
018–A	42	13 (7.2)	49
024–A	49	13 (7.2)	57
030–A	55	9 (5.0)	67
036–A	57	9 (5.0)	73
042–A	63	13 (7.2)	76
048–A	65	13 (7.2)	82
060–A	76	18 (10.0)	TXV*

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

RECOMMENDED TUBE DIAMETERS

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

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

VAPOR LINE SIZING AND COOLING CAPACITY LOSS

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

Vapor Line Sizing and Cooling Capacity Losses - Puron® Refrigerant 1- Stage Heat Pump Applications

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

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

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

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

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REFRIGERANT PIPING LENGTH LIMITATIONS

Maximum Line Lengths:

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

Maximum Line Lengths for Heat Pump Applications

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

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

Maximum Total Equivalent Length† - Outdoor Unit BELOW Indoor Unit

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

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

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

-- = outside acceptable range

LONG LINE APPLICATIONS

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

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

HP WITH PURON® REFRIGERANT LONG LINE DESCRIPTION ft (m)

Beyond these lengths, long line accessories are required

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

Note: See Long Line Guideline for details

SPECIFICATIONS

UNIT SIZE—SERIES	018—A	024—A	030—A	036—A	042—A	048—A	060—A
ELECTRICAL							
Unit Volts—Phase—Hertz	208/230—1—60						
Operating Voltage Range	197—253						
Unit Ampacity for Wire Sizing (MCA)	11.8	16.8	21.1	22.0	26.3	28.7	34.3
Min Wire Size (60°C/75°C Copper) (AWG)*	14	14	12	12	10	10	8
Maximum Length (60°C/75°C) (Ft)†	66/62	46/44	57/54	57/54	74/70	69/66	89/84
Max Branch Circuit Fuse Size (Amps)‡	20	25	30	35	40	40	50
Compressor Rated Load Amps	9.0	12.8	16.0	16.7	19.9	21.8	26.3
Locked Rotor Amps	48.0	58.3	77.0	79.0	109.0	117.0	134.0
Fan Motor HP and RPM	1/12 & 1100	1/10 & 1100	1/5 & 1100	1/5 & 1100	1/4 & 1100	1/4 & 1100	1/4 & 1100
Full Load Amps	0.5	0.8	1.1	1.1	1.4	1.4	1.4
COMPRESSOR AND REFRIGERANT							
Compressor Type	Scroll						
Refrigerant Charge lb (kg)	4.00 (1.81)	5.11 (2.33)	5.83 (2.64)	6.06 (2.75)	6.75 (3.06)	7.72 (3.50)	9.40 (4.26)
REFRIGERANT TUBES							
Rated Vapor***	5/8	3/4	3/4	7/8	7/8		1—1/8
Liquid	3/8						
OUTDOOR COIL AND FAN							
Coil Face Area (Sq Ft)	9.8	11.2	15.0	17.2	17.2	15.0	17.2
Rated Airflow (CFM)	1800	2100	3000	3000	3400	3400	3400
OPTIONAL EQUIPMENT							
Time—Delay Relay	KAATD0101TDR						
Outdoor Thermostat	KHAOT0301FST						
Secondary Outdoor Thermostat	KHAOT0201SEC						
Cycle Protector	KSACY0101AAA						
Crankcase Heater	KAACH1401AAA				KAACH1201AAA		
Compressor Start Assist—Capacitor/Relay	KSAHS1501AAA						KSAHS1601AAA
Sound Hood	KSASH1801COP		KSASH0601COP				KSASH2101COP
TXV Kits (Hard Shutoff)	KSATX0201PUR			KSATX0301PUR		KSATX0401PUR	KSATX0501PUR
Low—Ambient Pressure Switch††	KSALA0301410						
MotorMaster® Low—Ambient Controller‡‡	KSALA0601AAA						
Ball Bearing Fan Motor	HC32GE234	HC34GE239		HC40GE226			
Liquid Line Filter Drier (RCD)	KH43LZ073						KH43LZ072
Evaporator Freeze Thermostat**	KAAFT0101AAA						
Isolation Relay**	KHAIR0101AAA						
Liquid Solenoid Valve	KHALS0401LLS						

N/A — Not applicable in this application.

* The ampacity of non-metallic (NM) sheathed cable shall be that of 60°C (140°F) conductors per NEC 2011, Article 336—26. If wire used is other than specified in chart, refer to applicable tables available in 2011 NEC. Copper wire must be used from disconnect to unit.

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

‡ Units may use fuses or circuit breakers (U.S. only).

** Consult low-ambient control Installation Instructions for application.

†† Isolation relay required.

‡‡ Required accessories include fan motor with ball bearings, crankcase heater, compressor start assist, evaporator freeze stat, isolation relay, hard shut-off TXV or liquid line solenoid valve.

*** 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.

ACCESSORY USAGE GUIDELINE

ACCESSORY	REQUIRED FOR LOW AMBIENT COOLING APPLICATIONS (Below 55°F / 22.8°C)	REQUIRED FOR LONG LINE APPLICATIONS* (Over 80 Ft./24.4 m)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles/3.2 km)
Ball Bearing Fan Motor	Yes†	No	No
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Hard Shut-Off TXV	Yes	Yes	Yes
Liquid Line Solenoid Valve	No	See Long-Line Application Guideline	No
Low Ambient Kit (Pressure Switch)	Yes	No	No
Support Feet	Recommended	No	Recommended
Winter Start Control	Yes	No	No

* For tubing line sets between 80 and 200 ft. (24.4 and 76.2 m) and/or 20 ft. (6.1 m) vertical differential, refer to Residential Split-System Longline Application Guideline.

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

Accessory Description and Usage (Listed Alphabetically)

1. Compressor Start Assist - Capacitor and Relay

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

Usage Guideline:

Required for 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.

2. 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.

3. 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.

4. Cycle Protector

The cycle protector is designed to prevent compressor short cycling. This control provides an approximate 5-minute delay after power to the compressor has been interrupted for any reason, including power outage, protector control trip, thermostat jiggling, or normal cycling.

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. Low Ambient Pressure Switch Kit

A long life pressure switch which is mounted to outdoor unit service valve. It is designed to cycle the outdoor fan motor in order to maintain head pressure within normal operating limits (approximately 100 psig to 225 psig). The control will maintain working head pressure at low ambient temperatures down to 0°F/-17.8°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).

Suggested for all commercial applications.

7. Support Feet

Four stick-on plastic feet that raise the unit 4 in. (101.6 mm) above the mounting pad. This allows sand, dirt, and other debris to be flushed from the unit base, minimizing corrosion.

Usage Guideline:

Suggested in the following applications:

- Coastal installations.
- Windy areas or where debris is normally circulating.
- Rooftop installations.
- For improved sound ratings.

8. Thermostatic Expansion Valve (TXV)

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

Kit includes valve, adapter tubes, and external equalizer tube. Hard shut off types are available.

NOTE: When using a hard shut off TXV with single phase reciprocating compressors, a Compressor Start Assist Capacitor and Relay is required.

Usage Guideline:

Required to achieve AHRI ratings in certain equipment

combinations. Refer to combination ratings.

Hard shut off TXV or LLS required in air conditioner long line applications.

Required for use on all zoning systems.

9. Winter Start Control

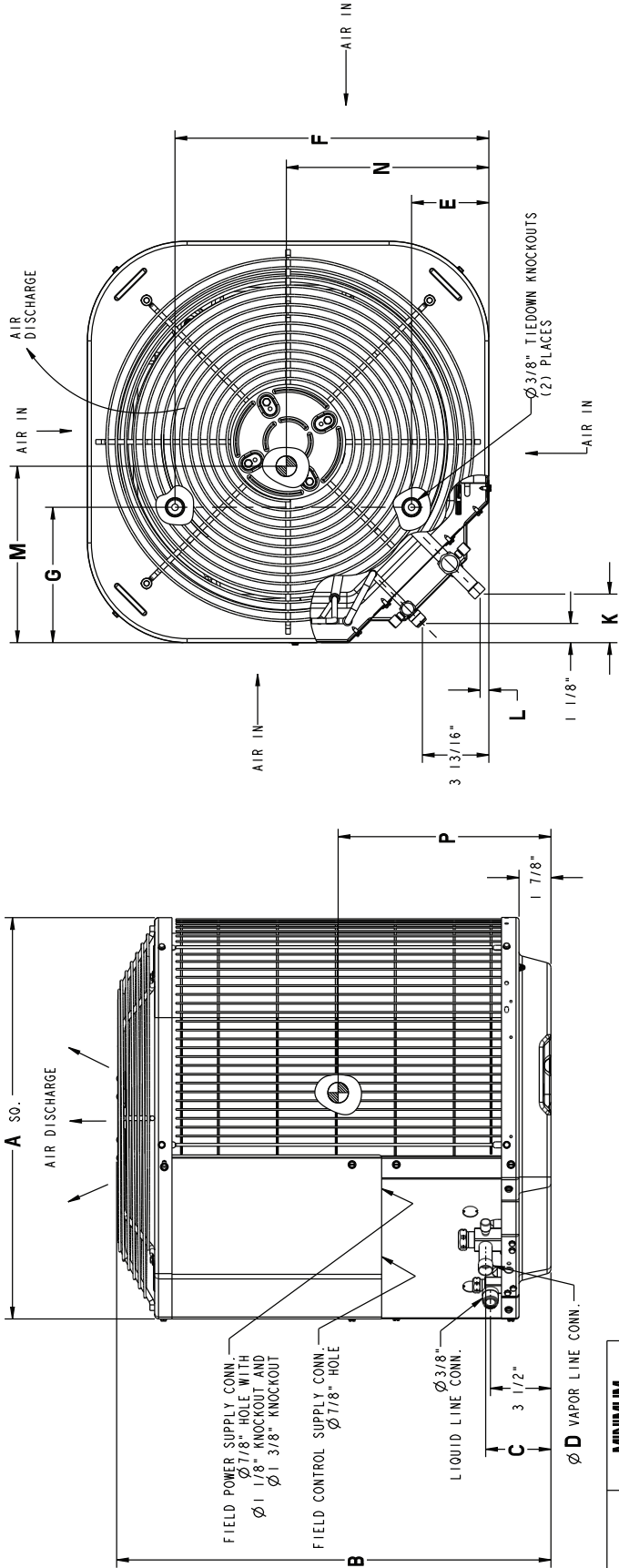
This control is designed to alleviate nuisance opening of the low-pressure switch by bypassing it for the first 3 minutes of operation.

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)
CHI3NA018	A	X	0	0	23 1/8"	28 7/16"	3 3/4"	5/8"	4 7/16"	18 1/16"	7 13/16"	2 13/16"	1/2"	11 1/2"	10 1/2"	11 1/2"	119	137	24 1/8" X 24 1/8" X 30 5/8"
CHI3NA024	A	X	0	0	23 1/8"	31 13/16"	3 3/4"	3/4"	4 7/16"	18 1/16"	7 13/16"	2 13/16"	1/2"	11 1/2"	10 1/2"	12 1/2"	124	142	24 1/8" X 24 1/8" X 34"
CHI3NA030	A	X	0	0	31 3/16"	28 7/16"	3 3/4"	3/4"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	15"	15"	11 1/2"	149	170	32 3/16" X 32 3/16" X 30 5/8"
CHI3NA036	A	X	0	0	31 3/16"	31 13/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	15"	15"	12 1/2"	169	178	32 3/16" X 32 3/16" X 34"
CHI3NA042	A	X	0	0	31 3/16"	31 13/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	15"	15"	12 1/2"	186	204	32 3/16" X 32 3/16" X 34"
CHI3NA048	A	X	0	0	31 3/16"	28 7/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	15"	15"	11 1/2"	208	228	32 3/16" X 32 3/16" X 30 5/8"
CHI3NA060	A	X	0	0	31 3/16"	31 13/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	2 15/16"	5/8"	15"	15"	12 1/2"	228	252	32 3/16" X 32 3/16" X 34"

X = YES
O = NO

208-230-160	230-160	208/230-3-60	460-3-60
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UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18,24	23 1/2" X 23 1/2"
--	26" X 26"
30,36,42,48,60	31 1/2" X 31 1/2"
---	35" X 35"

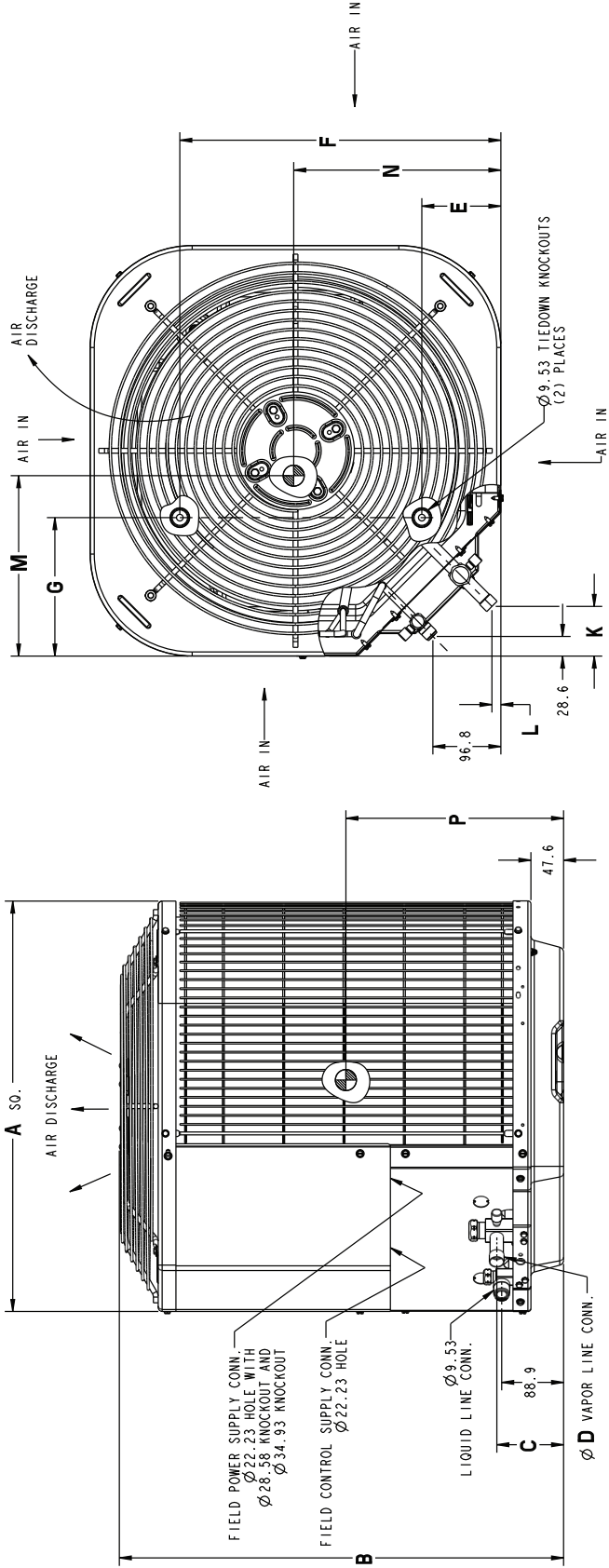
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DIMENSIONS - SI

UNIT	SERIES	ELECTRICAL CHARACTERISTICS			A	B	C	D	E	F	G	K	L	M	N	P	OPERATING WEIGHT(Kgs)	SHIPPING WEIGHT(Kgs)	SHIPPING DIMENSIONS (L x W x H)	
CHI3NA018	A	X	0	0	0	587.4	722.3	95.2	15.9	112.7	458.8	198.4	71.4	12.7	292.1	266.7	292.1	54.1	62.3	612.8 X 612.8 X 777.9
CHI3NA024	A	X	0	0	0	587.4	808.0	95.2	19.0	112.7	458.8	198.4	71.4	12.7	292.1	266.7	317.5	56.4	64.5	612.8 X 612.8 X 863.6
CHI3NA030	A	X	0	0	0	792.2	722.3	95.2	19.0	166.7	627.1	231.8	74.6	15.9	381.0	381.0	292.1	67.7	77.3	817.6 X 817.6 X 777.9
CHI3NA036	A	X	0	0	0	792.2	808.0	98.4	22.2	166.7	627.1	231.8	74.6	15.9	381.0	381.0	317.5	76.7	80.9	817.6 X 817.6 X 863.6
CHI3NA042	A	X	0	0	0	792.2	808.0	98.4	22.2	166.7	627.1	231.8	74.6	15.9	381.0	381.0	317.5	84.5	92.7	817.6 X 817.6 X 863.6
CHI3NA048	A	X	0	0	0	792.2	722.3	98.4	22.2	166.7	627.1	231.8	74.6	15.9	381.0	381.0	292.1	94.5	103.6	817.6 X 817.6 X 777.9
CHI3NA060	A	X	0	0	0	792.2	808.0	98.4	22.2	166.7	627.1	231.8	74.6	15.9	381.0	381.0	317.5	103.6	114.5	817.6 X 817.6 X 863.6

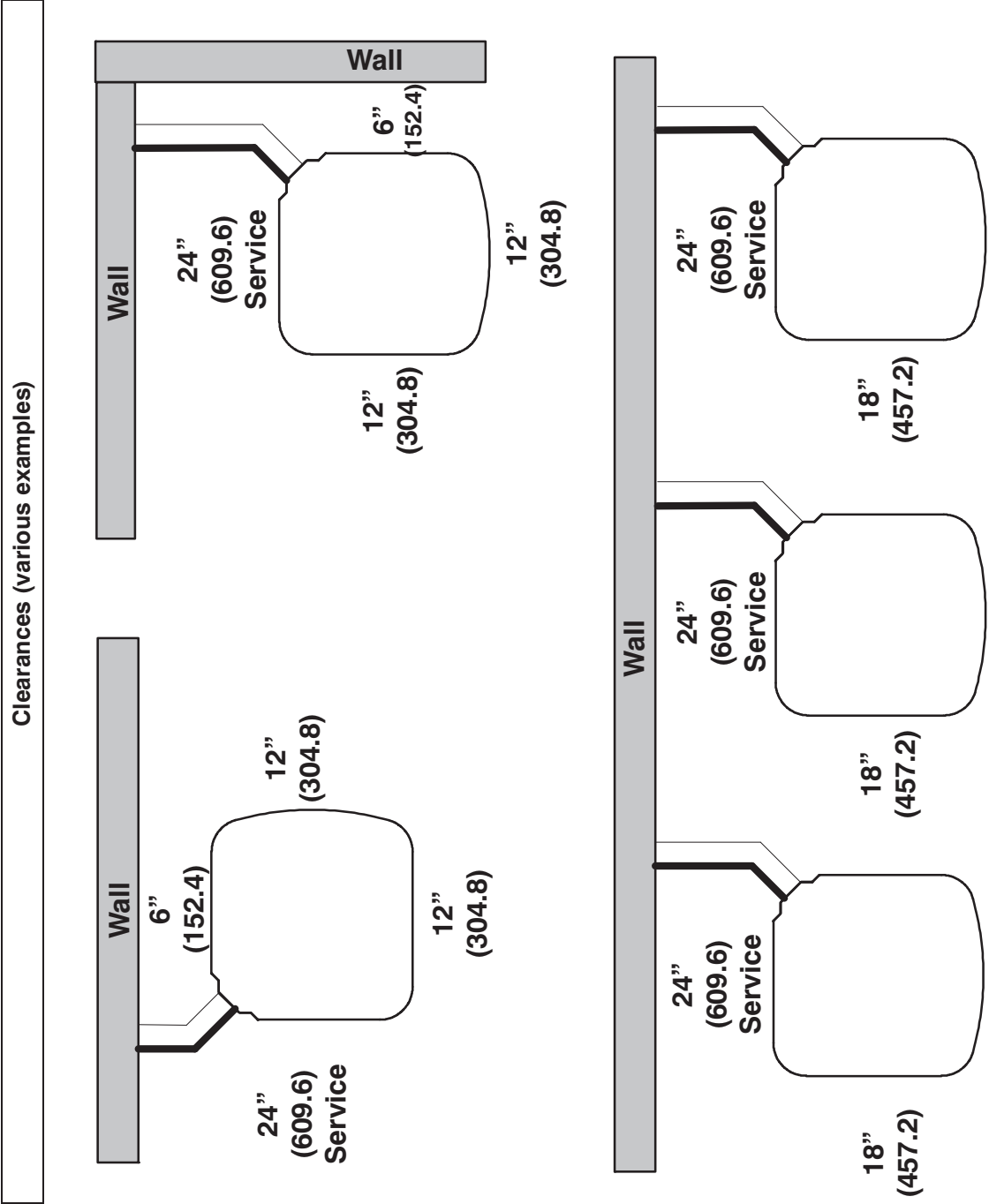
208-230-160	230-160	208/230-3-60	460-3-60
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X = YES
O = NO



UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18,24	596.9 X 596.9
---	660.4 X 660.4
30.36, 42.48, 60	800.1 X 800.1
---	889.0 X 889.0

CLEARANCES



Note: Numbers in () = mm

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

AHRI COMBINATION RATINGS*

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AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
5211529	CH13NA018****A	†FB4CNF018		17,400	11.0	13.0	16,800	3.60	7.7	9,400	2.24
5211530	CH13NA018****A	CAP**2414A**	58CV(A,X)070-12	17,800	11.7	13.2	16,500	3.54	7.7	9,200	2.24
5211531	CH13NA018****A	CAP**2414A**	58PH*045-08	18,000	11.7	13.2	16,500	3.64	7.8	9,400	2.28
5211534	CH13NA018****A	CAP**2417A**	58CV(A,X)090-16	17,900	11.7	13.2	16,500	3.58	7.7	9,200	2.26
5211536	CH13NA018****A	CAP**2417A**	58VLR105-12	18,000	12.0	13.5	16,500	3.70	7.8	9,400	2.32
5211535	CH13NA018****A	CAP**2417A**	58VMR105-12	18,000	11.7	13.2	16,500	3.60	7.7	9,300	2.26
5211532	CH13NA018****A	CAP**2417A**	59*N*A060V17**14	17,900	11.7	13.2	16,500	3.56	7.7	9,300	2.24
5211533	CH13NA018****A	CAP**2417A**	59*N*A080V17**14	17,800	11.7	13.2	16,500	3.54	7.7	9,200	2.24
5211538	CH13NA018****A	CAP**2417A**	CVLAAR036105	18,000	12.0	13.5	16,500	3.70	7.8	9,400	2.32
5211537	CH13NA018****A	CAP**2417A**	CVMAAR036105	18,000	11.7	13.2	16,500	3.60	7.7	9,300	2.26
5211540	CH13NA018****A	CAP**2417A**	OVLAAB036098	18,000	11.7	13.2	16,500	3.64	7.8	9,400	2.28
5211539	CH13NA018****A	CAP**2417A**	OVMAAB036098	18,000	11.7	13.2	16,500	3.68	7.8	9,500	2.30
5211556	CH13NA018****A	CNPH*2417A**	58CV(A,X)090-16	17,900	11.7	13.2	16,600	3.60	7.7	9,300	2.26
5211558	CH13NA018****A	CNPH*2417A**	58VLR105-12	18,000	12.0	13.5	16,600	3.74	7.8	9,400	2.32
5211557	CH13NA018****A	CNPH*2417A**	58VMR105-12	18,000	11.7	13.2	16,600	3.64	7.7	9,300	2.26
5211554	CH13NA018****A	CNPH*2417A**	59*N*A060V17**14	17,900	11.7	13.2	16,600	3.60	7.7	9,300	2.24
5211555	CH13NA018****A	CNPH*2417A**	59*N*A080V17**14	17,800	11.7	13.2	16,500	3.58	7.7	9,200	2.24
5211560	CH13NA018****A	CNPH*2417A**	CVLAAR036105	18,000	12.0	13.5	16,600	3.74	7.8	9,400	2.32
5211559	CH13NA018****A	CNPH*2417A**	CVMAAR036105	18,000	11.7	13.2	16,600	3.64	7.7	9,300	2.26
5211562	CH13NA018****A	CNPH*2417A**	OVLAAB036098	18,000	11.7	13.2	16,600	3.68	7.8	9,400	2.28
5211561	CH13NA018****A	CNPH*2417A**	OVMAAB036098	18,000	11.7	13.2	16,600	3.70	7.8	9,500	2.30
5211541	CH13NA018****A	CNPV*1814A**	58CV(A,X)070-12	17,700	11.5	13.0	16,700	3.54	7.7	9,300	2.22
5211542	CH13NA018****A	CNPV*1814A**	58PH*045-08	17,900	11.5	13.0	16,800	3.60	7.7	9,400	2.24
5211543	CH13NA018****A	CNPV*2414A**	58CV(A,X)070-12	17,900	11.7	13.2	16,600	3.58	7.7	9,300	2.24
5211544	CH13NA018****A	CNPV*2414A**	58PH*045-08	18,000	11.7	13.2	16,600	3.66	7.8	9,400	2.28
5211547	CH13NA018****A	CNPV*2417A**	58CV(A,X)090-16	17,900	11.7	13.2	16,600	3.60	7.7	9,300	2.26
5211549	CH13NA018****A	CNPV*2417A**	58VLR105-12	18,000	12.0	13.5	16,600	3.74	7.8	9,400	2.32
5211548	CH13NA018****A	CNPV*2417A**	58VMR105-12	18,000	11.7	13.2	16,600	3.64	7.7	9,300	2.26
5211545	CH13NA018****A	CNPV*2417A**	59*N*A060V17**14	17,900	11.7	13.2	16,600	3.60	7.7	9,300	2.24
5211546	CH13NA018****A	CNPV*2417A**	59*N*A080V17**14	17,800	11.7	13.2	16,500	3.58	7.7	9,200	2.24
5211551	CH13NA018****A	CNPV*2417A**	CVLAAR036105	18,000	12.0	13.5	16,600	3.74	7.8	9,400	2.32
5211550	CH13NA018****A	CNPV*2417A**	CVMAAR036105	18,000	11.7	13.2	16,600	3.64	7.7	9,300	2.26
5211553	CH13NA018****A	CNPV*2417A**	OVLAAB036098	18,000	11.7	13.2	16,600	3.68	7.8	9,400	2.28
5211552	CH13NA018****A	CNPV*2417A**	OVMAAB036098	18,000	11.7	13.2	16,600	3.70	7.8	9,500	2.30
5211566	CH13NA018****A	CSPH*2412A**	58CV(A,X)070-12	18,000	11.7	13.2	16,300	3.54	7.7	9,300	2.24
5211567	CH13NA018****A	CSPH*2412A**	58CV(A,X)090-16	18,000	11.7	13.2	16,300	3.56	7.7	9,300	2.26
5211568	CH13NA018****A	CSPH*2412A**	58PH*045-08	18,000	11.7	13.2	16,300	3.60	7.7	9,400	2.28
5211570	CH13NA018****A	CSPH*2412A**	58VLR105-12	18,000	12.0	13.5	16,200	3.68	7.8	9,400	2.32
5211569	CH13NA018****A	CSPH*2412A**	58VMR105-12	18,000	11.7	13.2	16,300	3.58	7.7	9,300	2.26
5211563	CH13NA018****A	CSPH*2412A**	59*N*A060V17**14	18,000	11.7	13.2	16,300	3.54	7.7	9,300	2.24
5211564	CH13NA018****A	CSPH*2412A**	59*N*A080V17**14	18,000	11.7	13.2	16,300	3.54	7.7	9,300	2.24
5211565	CH13NA018****A	CSPH*2412A**	59MN7A060V21**20	18,000	11.7	13.2	16,300	3.56	7.7	9,300	2.26
5211572	CH13NA018****A	CSPH*2412A**	CVLAAR036105	18,000	12.0	13.5	16,200	3.68	7.8	9,400	2.32
5211571	CH13NA018****A	CSPH*2412A**	CVMAAR036105	18,000	11.7	13.2	16,300	3.58	7.7	9,300	2.26
5211574	CH13NA018****A	CSPH*2412A**	OVLAAB036098	18,000	11.7	13.2	16,300	3.62	7.8	9,500	2.28
5211573	CH13NA018****A	CSPH*2412A**	OVMAAB036098	18,000	11.7	13.2	16,300	3.64	7.8	9,500	2.30
5211575	CH13NA018****A	FB4CNF024		17,400	11.0	13.0	16,800	3.60	7.7	9,400	2.24
5211577	CH13NA018****A	FE4ANF002+UI		18,000	12.0	13.7	15,900	3.64	7.8	9,400	2.30
5211578	CH13NA018****A	FF1ENP019		18,000	11.5	13.0	16,100	3.58	7.7	9,300	2.30
5211579	CH13NA018****A	FF1ENP025		18,000	11.7	13.2	16,300	3.58	7.8	9,500	2.24
5211576	CH13NA018****A	FX4DNF025		18,000	11.7	13.5	16,100	3.64	7.8	9,400	2.32
5211580	CH13NA024****A	†FB4CNF024		23,400	11.0	13.0	22,000	3.48	7.7	13,000	2.28
5211581	CH13NA024****A	CAP**2414A**	58CV(A,X)070-12	24,000	11.7	13.5	21,800	3.48	7.7	12,700	2.30
5211582	CH13NA024****A	CAP**2414A**	58PH*045-08	24,000	11.5	13.5	22,000	3.54	7.7	12,900	2.32
5211586	CH13NA024****A	CAP**2417A**	58CV(A,X)090-16	24,000	11.7	13.7	21,800	3.54	7.7	12,700	2.32
5211588	CH13NA024****A	CAP**2417A**	58VLR105-12	24,000	11.7	13.7	22,000	3.58	7.8	12,800	2.34
5211587	CH13NA024****A	CAP**2417A**	58VMR105-12	24,000	11.7	13.7	21,800	3.50	7.7	12,700	2.32
5211583	CH13NA024****A	CAP**2417A**	59*N*A060V17**14	24,000	11.5	13.5	21,800	3.50	7.7	12,800	2.30
5211584	CH13NA024****A	CAP**2417A**	59*N*A080V17**14	24,000	11.7	13.5	21,800	3.48	7.7	12,700	2.30
5211585	CH13NA024****A	CAP**2417A**	59*P5A060E17**14	24,000	11.7	13.5	21,800	3.52	7.7	12,800	2.32
5211590	CH13NA024****A	CAP**2417A**	CVLAAR036105	24,000	11.7	13.7	22,000	3.58	7.8	12,800	2.34
5211589	CH13NA024****A	CAP**2417A**	CVMAAR036105	24,000	11.7	13.7	21,800	3.50	7.7	12,700	2.32
5211592	CH13NA024****A	CAP**2417A**	OVLAAB036098	24,000	11.7	13.5	22,000	3.56	7.7	12,900	2.34
5211591	CH13NA024****A	CAP**2417A**	OVMAAB036098	24,000	11.5	13.5	22,000	3.56	7.7	12,900	2.32
5211593	CH13NA024****A	CAP**2417A**	OVMAAB042112	24,000	11.7	13.7	21,800	3.56	7.7	12,700	2.34
5211594	CH13NA024****A	CAP**3014A**	58CV(A,X)070-12	24,000	11.7	13.7	21,800	3.54	7.7	12,700	2.32
5211595	CH13NA024****A	CAP**3014A**	58PH*045-08	24,000	11.7	13.5	22,000	3.60	7.8	12,900	2.34
5211599	CH13NA024****A	CAP**3017A**	58CV(A,X)090-16	24,000	11.7	13.7	21,800	3.58	7.8	12,700	2.34
5211601	CH13NA024****A	CAP**3017A**	58VLR105-12	24,000	11.7	13.7	22,000	3.64	7.8	12,800	2.38
5211600	CH13NA024****A	CAP**3017A**	58VMR105-12	24,000	11.7	13.7	21,800	3.56	7.7	12,700	2.34
5211596	CH13NA024****A	CAP**3017A**	59*N*A060V17**14	24,000	11.7	13.5	21,800	3.56	7.7	12,800	2.32
5211597	CH13NA024****A	CAP**3017A**	59*N*A080V17**14	24,000	11.7	13.7	21,800	3.52	7.7	12,700	2.32
5211598	CH13NA024****A	CAP**3017A**	59*P5A060E17**14	24,000	11.7	13.7	22,000	3.60	7.8	12,800	2.34
5211603	CH13NA024****A	CAP**3017A**	CVLAAR036105	24,000	11.7	13.7	22,000	3.64	7.8	12,800	2.38
5211602	CH13NA024****A	CAP**3017A**	CVMAAR036105	24,000	11.7	13.7	21,800	3.56	7.7	12,700	2.34
5211605	CH13NA024****A	CAP**3017A**	OVLAAB036098	24,000	11.7	13.7	22,000	3.62	7.8	12,900	2.36
5211604	CH13NA024****A	CAP**3017A**	OVMAAB036098	24,000	11.7	13.5	22,000	3.62	7.8	12,900	2.36

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COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-6°C)	COP
5211606	CH13NA024****A	CAP**3017A**	OVMAAB042112	24,000	12.0	13.7	21,800	3.62	7.8	12,700	2.36
5211636	CH13NA024****A	CNPH*2417A**	58CV(A,X)090-16	24,000	11.7	13.7	21,800	3.58	7.7	12,700	2.34
5211638	CH13NA024****A	CNPH*2417A**	58VLR105-12	24,000	11.7	13.7	22,000	3.62	7.8	12,900	2.36
5211637	CH13NA024****A	CNPH*2417A**	58VLR105-12	24,000	11.5	13.5	22,000	3.52	7.7	12,800	2.30
5211633	CH13NA024****A	CNPH*2417A**	59*N*A060V17**14	24,000	11.5	13.2	22,000	3.52	7.7	12,900	2.30
5211634	CH13NA024****A	CNPH*2417A**	59*N*A080V17**14	23,800	11.5	13.5	21,800	3.52	7.7	12,700	2.30
5211635	CH13NA024****A	CNPH*2417A**	59*P5A060E17**14	24,000	11.5	13.5	21,800	3.52	7.7	12,800	2.30
5211640	CH13NA024****A	CNPH*2417A**	CVLAAR036105	24,000	11.7	13.7	22,000	3.62	7.8	12,900	2.36
5211639	CH13NA024****A	CNPH*2417A**	CVMAAR036105	24,000	11.5	13.5	22,000	3.52	7.7	12,800	2.30
5211642	CH13NA024****A	CNPH*2417A**	OVLAAB036098	24,000	11.5	13.2	22,200	3.60	7.8	13,000	2.34
5211641	CH13NA024****A	CNPH*2417A**	OVMAAB036098	24,000	11.5	13.2	22,200	3.58	7.7	13,000	2.32
5211643	CH13NA024****A	CNPH*2417A**	OVMAAB042112	24,000	11.7	13.5	22,000	3.58	7.8	12,800	2.34
5211647	CH13NA024****A	CNPH*3017A**	58CV(A,X)090-16	24,000	12.0	13.7	21,800	3.60	7.8	12,700	2.36
5211649	CH13NA024****A	CNPH*3017A**	58VLR105-12	24,000	11.7	13.7	22,000	3.66	7.8	12,800	2.38
5211648	CH13NA024****A	CNPH*3017A**	58VLR105-12	24,000	11.7	13.7	21,800	3.56	7.7	12,700	2.34
5211644	CH13NA024****A	CNPH*3017A**	59*N*A060V17**14	24,000	11.7	13.5	22,000	3.56	7.7	12,800	2.32
5211645	CH13NA024****A	CNPH*3017A**	59*N*A080V17**14	24,000	11.7	13.7	21,800	3.54	7.7	12,700	2.32
5211646	CH13NA024****A	CNPH*3017A**	59*P5A060E17**14	24,000	11.7	13.7	22,000	3.60	7.8	12,800	2.34
5211651	CH13NA024****A	CNPH*3017A**	CVLAAR036105	24,000	11.7	13.7	22,000	3.66	7.8	12,800	2.38
5211650	CH13NA024****A	CNPH*3017A**	CVMAAR036105	24,000	11.7	13.7	21,800	3.56	7.7	12,700	2.34
5211653	CH13NA024****A	CNPH*3017A**	OVLAAB036098	24,000	11.7	13.7	22,000	3.64	7.8	12,900	2.36
5211652	CH13NA024****A	CNPH*3017A**	OVMAAB036098	24,000	11.7	13.5	22,000	3.62	7.8	12,900	2.36
5211654	CH13NA024****A	CNPH*3017A**	OVMAAB042112	24,000	12.0	13.7	21,800	3.62	7.8	12,800	2.36
5211607	CH13NA024****A	CNPV*2414A**	58CV(A,X)070-12	24,000	11.7	13.5	21,800	3.54	7.7	12,800	2.32
5211608	CH13NA024****A	CNPV*2414A**	58PH*045-08	24,000	11.5	13.5	22,000	3.56	7.7	12,900	2.32
5211612	CH13NA024****A	CNPV*2417A**	58CV(A,X)090-16	24,000	11.7	13.7	21,800	3.58	7.7	12,700	2.34
5211614	CH13NA024****A	CNPV*2417A**	58VLR105-12	24,000	11.7	13.7	22,000	3.62	7.8	12,900	2.36
5211613	CH13NA024****A	CNPV*2417A**	58VLR105-12	24,000	11.5	13.5	22,000	3.52	7.7	12,800	2.30
5211609	CH13NA024****A	CNPV*2417A**	59*N*A060V17**14	24,000	11.5	13.2	22,000	3.52	7.7	12,900	2.30
5211610	CH13NA024****A	CNPV*2417A**	59*N*A080V17**14	23,800	11.5	13.5	21,800	3.52	7.7	12,700	2.30
5211611	CH13NA024****A	CNPV*2417A**	59*P5A060E17**14	24,000	11.5	13.5	21,800	3.52	7.7	12,800	2.30
5211616	CH13NA024****A	CNPV*2417A**	CVLAAR036105	24,000	11.7	13.7	22,000	3.62	7.8	12,900	2.36
5211615	CH13NA024****A	CNPV*2417A**	CVMAAR036105	24,000	11.5	13.5	22,000	3.52	7.7	12,800	2.30
5211618	CH13NA024****A	CNPV*2417A**	OVLAAB036098	24,000	11.5	13.2	22,200	3.60	7.8	13,000	2.34
5211617	CH13NA024****A	CNPV*2417A**	OVMAAB036098	24,000	11.5	13.2	22,200	3.58	7.7	13,000	2.32
5211619	CH13NA024****A	CNPV*2417A**	OVMAAB042112	24,000	11.7	13.5	22,000	3.58	7.8	12,800	2.34
5211620	CH13NA024****A	CNPV*3014A**	58CV(A,X)070-12	24,000	11.7	13.7	21,800	3.54	7.7	12,700	2.32
5211621	CH13NA024****A	CNPV*3014A**	58PH*045-08	24,000	11.7	13.5	22,000	3.58	7.8	12,900	2.34
5211625	CH13NA024****A	CNPV*3017A**	58CV(A,X)090-16	24,000	12.0	13.7	21,800	3.60	7.8	12,700	2.36
5211627	CH13NA024****A	CNPV*3017A**	58VLR105-12	24,000	11.7	13.7	22,000	3.66	7.8	12,800	2.38
5211626	CH13NA024****A	CNPV*3017A**	58VLR105-12	24,000	11.7	13.7	21,800	3.56	7.7	12,700	2.34
5211622	CH13NA024****A	CNPV*3017A**	59*N*A060V17**14	24,000	11.7	13.5	22,000	3.56	7.7	12,800	2.32
5211623	CH13NA024****A	CNPV*3017A**	59*N*A080V17**14	24,000	11.7	13.7	21,800	3.54	7.7	12,700	2.32
5211624	CH13NA024****A	CNPV*3017A**	59*P5A060E17**14	24,000	11.7	13.7	22,000	3.60	7.8	12,800	2.34
5211629	CH13NA024****A	CNPV*3017A**	CVLAAR036105	24,000	11.7	13.7	22,000	3.66	7.8	12,800	2.38
5211628	CH13NA024****A	CNPV*3017A**	CVMAAR036105	24,000	11.7	13.7	21,800	3.56	7.7	12,700	2.34
5211631	CH13NA024****A	CNPV*3017A**	OVLAAB036098	24,000	11.7	13.7	22,000	3.64	7.8	12,900	2.36
5211630	CH13NA024****A	CNPV*3017A**	OVMAAB036098	24,000	11.7	13.5	22,000	3.62	7.8	12,900	2.36
5211632	CH13NA024****A	CNPV*3017A**	OVMAAB042112	24,000	12.0	13.7	21,800	3.62	7.8	12,800	2.36
5211662	CH13NA024****A	CSPH*2412A**	58CV(A,X)070-12	24,000	11.7	13.5	22,000	3.54	7.7	12,800	2.32
5211663	CH13NA024****A	CSPH*2412A**	58CV(A,X)090-16	24,000	11.7	13.7	22,000	3.58	7.7	12,800	2.34
5211664	CH13NA024****A	CSPH*2412A**	58CV(A,X)110-20	24,000	11.7	13.5	22,000	3.56	7.7	12,900	2.32
5211665	CH13NA024****A	CSPH*2412A**	58CV(A,X)135-22	24,000	11.7	13.7	22,000	3.56	7.7	12,800	2.34
5211666	CH13NA024****A	CSPH*2412A**	58CV(A,X)155-22	24,000	11.7	13.7	22,000	3.56	7.7	12,800	2.34
5211667	CH13NA024****A	CSPH*2412A**	58PH*045-08	24,000	11.7	13.5	22,000	3.56	7.7	12,900	2.32
5211669	CH13NA024****A	CSPH*2412A**	58VLR105-12	24,000	11.7	13.7	22,000	3.62	7.8	12,900	2.36
5211668	CH13NA024****A	CSPH*2412A**	58VLR105-12	24,000	11.7	13.5	22,000	3.52	7.7	12,800	2.32
5211655	CH13NA024****A	CSPH*2412A**	59*N*A060V17**14	24,000	11.5	13.5	22,000	3.52	7.7	12,900	2.32
5211656	CH13NA024****A	CSPH*2412A**	59*N*A080V17**14	24,000	11.7	13.5	21,800	3.52	7.7	12,800	2.32
5211658	CH13NA024****A	CSPH*2412A**	59*N*A080V21**20	24,000	11.7	13.5	22,200	3.62	7.8	13,000	2.36
5211659	CH13NA024****A	CSPH*2412A**	59*N*A100V21**22	24,000	11.7	13.7	22,200	3.64	7.8	13,000	2.36
5211660	CH13NA024****A	CSPH*2412A**	59*N*A120V24**22	24,000	11.7	13.5	22,000	3.60	7.8	12,900	2.34
5211661	CH13NA024****A	CSPH*2412A**	59*P5A060E17**14	24,000	11.7	13.5	21,800	3.50	7.7	12,800	2.30
5211657	CH13NA024****A	CSPH*2412A**	59MN7A060V21**20	24,000	11.5	13.5	22,000	3.56	7.7	12,900	2.32
5211671	CH13NA024****A	CSPH*2412A**	CVLAAR036105	24,000	11.7	13.7	22,000	3.62	7.8	12,900	2.36
5211670	CH13NA024****A	CSPH*2412A**	CVMAAR036105	24,000	11.7	13.5	22,000	3.52	7.7	12,800	2.32
5211673	CH13NA024****A	CSPH*2412A**	OVLAAB036098	24,000	11.5	13.5	22,200	3.60	7.8	13,000	2.34
5211672	CH13NA024****A	CSPH*2412A**	OVMAAB036098	24,000	11.5	13.2	22,200	3.58	7.8	13,000	2.34
5211674	CH13NA024****A	CSPH*2412A**	OVMAAB042112	24,000	11.7	13.7	22,000	3.58	7.8	12,900	2.34
5211682	CH13NA024****A	CSPH*3012A**	58CV(A,X)070-12	24,000	11.7	13.7	22,000	3.58	7.7	12,800	2.34
5211683	CH13NA024****A	CSPH*3012A**	58CV(A,X)090-16	24,000	12.0	13.7	22,000	3.62	7.8	12,800	2.36
5211684	CH13NA024****A	CSPH*3012A**	58CV(A,X)110-20	24,000	11.7	13.7	22,000	3.62	7.8	12,800	2.34
5211685	CH13NA024****A	CSPH*3012A**	58CV(A,X)135-22	24,000	11.7	13.7	22,000	3.62	7.8	12,800	2.36
5211686	CH13NA024****A	CSPH*3012A**	58CV(A,X)155-22	24,000	11.7	13.7	22,000	3.62	7.8	12,800	2.36
5211687	CH13NA024****A	CSPH*3012A**	58PH*045-08	24,000	11.7	13.7	22,200	3.64	7.8	13,000	2.36
5211689	CH13NA024****A	CSPH*3012A**	58VLR105-12	24,000	11.7	13.7	22,000	3.68	7.8	12,900	2.38
5211688	CH13NA024****A	CSPH*3012A**	58VLR105-12	24,000	11.7	13.7	22,000	3.58	7.7	12,800	2.34
5211675	CH13NA024****A	CSPH*3012A**	59*N*A060V17**14	24,000	11.7	13.5	22,000	3.58	7.7	12,900	2.34

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COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
5211676	CH13NA024****A	CSPH*3012A**	59*N*A080V17**14	24,000	11.7	13.7	21,800	3.56	7.7	12,800	2.32
5211678	CH13NA024****A	CSPH*3012A**	59*N*A080V21**20	24,000	11.7	13.7	22,000	3.68	7.8	12,900	2.38
5211679	CH13NA024****A	CSPH*3012A**	59*N*A100V21**22	24,000	11.7	13.7	22,000	3.70	8.0	12,900	2.38
5211680	CH13NA024****A	CSPH*3012A**	59*N*A120V24**22	24,000	11.7	13.7	22,000	3.64	7.8	12,900	2.36
5211681	CH13NA024****A	CSPH*3012A**	59*P5A060E17**14	24,000	11.7	13.7	22,000	3.60	7.8	12,800	2.34
5211677	CH13NA024****A	CSPH*3012A**	59MN7A060V21**20	24,000	11.7	13.7	22,000	3.62	7.8	12,900	2.34
5211691	CH13NA024****A	CSPH*3012A**	CVLAAR036105	24,000	11.7	13.7	22,000	3.68	7.8	12,900	2.38
5211690	CH13NA024****A	CSPH*3012A**	CVMAAR036105	24,000	11.7	13.7	22,000	3.58	7.7	12,800	2.34
5211693	CH13NA024****A	CSPH*3012A**	OVLAAB036098	24,000	11.7	13.7	22,200	3.66	7.8	12,900	2.36
5211692	CH13NA024****A	CSPH*3012A**	OVMAAB036098	24,000	11.7	13.5	22,200	3.64	7.8	13,000	2.36
5211694	CH13NA024****A	CSPH*3012A**	OVMAAB042112	24,000	11.7	13.7	22,000	3.64	7.8	12,800	2.36
5211695	CH13NA024****A	FB4CNF030		24,000	11.5	13.5	22,000	3.64	7.7	13,000	2.36
5211699	CH13NA024****A	FE4AN(B,F)003+UI		24,000	12.0	14.0	21,800	3.66	7.8	12,700	2.38
5211698	CH13NA024****A	FE4ANF002+UI		24,000	12.0	13.7	21,800	3.64	7.8	12,800	2.36
5211700	CH13NA024****A	FF1ENP025		24,000	11.5	13.2	22,200	3.56	7.7	13,100	2.32
5211701	CH13NA024****A	FF1ENP031		24,000	11.3	13.2	22,200	3.58	7.7	13,100	2.32
5211703	CH13NA024****A	FV4CN(B,F)003		24,000	12.0	14.0	21,800	3.66	7.8	12,700	2.38
5211702	CH13NA024****A	FV4CNF002		24,000	12.0	13.7	21,800	3.64	7.8	12,800	2.36
5211697	CH13NA024****A	FX4DN(B,F)031		24,000	11.5	13.2	22,200	3.64	7.8	13,100	2.36
5211696	CH13NA024****A	FX4DNF025		24,000	11.7	13.5	22,200	3.64	7.8	13,000	2.36
5211704	CH13NA030****A	†FB4CNF030		28,600	11.0	13.0	28,600	3.50	7.7	17,700	2.34
5211705	CH13NA030****A	CAP**3014A**	58CV(A,X)070-12	29,800	11.3	13.2	29,400	3.42	7.7	17,400	2.34
5211709	CH13NA030****A	CAP**3017A**	58CV(A,X)090-16	29,800	11.5	13.5	29,400	3.44	7.7	17,300	2.36
5211710	CH13NA030****A	CAP**3017A**	58PH*070-16	30,000	11.3	13.2	29,600	3.46	7.7	17,600	2.34
5211711	CH13NA030****A	CAP**3017A**	58VLR105-12	30,000	11.3	13.2	29,600	3.46	7.7	17,500	2.36
5211706	CH13NA030****A	CAP**3017A**	59*N*A080V17**14	30,000	11.3	13.2	29,600	3.44	7.7	17,500	2.34
5211707	CH13NA030****A	CAP**3017A**	59*P5A060E17**14	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5211708	CH13NA030****A	CAP**3017A**	59*P5A080E17**16	30,000	11.3	13.2	29,800	3.50	7.7	17,700	2.36
5211712	CH13NA030****A	CAP**3017A**	CVLAAR036105	30,000	11.3	13.2	29,600	3.46	7.7	17,500	2.36
5211714	CH13NA030****A	CAP**3017A**	OVLAAB036098	29,800	11.3	13.2	29,600	3.42	7.7	17,500	2.34
5211713	CH13NA030****A	CAP**3017A**	OVMAAB036098	30,000	11.2	13.0	29,600	3.42	7.7	17,600	2.34
5211715	CH13NA030****A	CAP**3017A**	OVMAAB042112	30,000	11.5	13.5	29,400	3.48	7.7	17,400	2.38
5211716	CH13NA030****A	CAP**3614A**	58CV(A,X)070-12	29,800	11.3	13.2	29,400	3.44	7.7	17,400	2.34
5211721	CH13NA030****A	CAP**3617A**	58CV(A,X)090-16	30,000	11.5	13.5	29,400	3.48	7.7	17,300	2.38
5211722	CH13NA030****A	CAP**3617A**	58PH*070-16	30,000	11.3	13.2	29,800	3.50	7.7	17,600	2.36
5211723	CH13NA030****A	CAP**3617A**	58VLR105-12	30,000	11.5	13.2	29,600	3.50	7.7	17,500	2.36
5211717	CH13NA030****A	CAP**3617A**	59*N*A060V17**14	30,000	11.3	13.2	29,600	3.44	7.7	17,500	2.34
5211718	CH13NA030****A	CAP**3617A**	59*N*A080V17**14	30,000	11.3	13.2	29,600	3.48	7.7	17,500	2.36
5211719	CH13NA030****A	CAP**3617A**	59*P5A060E17**14	30,000	11.3	13.2	29,800	3.50	7.7	17,600	2.36
5211720	CH13NA030****A	CAP**3617A**	59*P5A080E17**16	30,000	11.3	13.2	30,000	3.54	7.8	17,700	2.38
5211724	CH13NA030****A	CAP**3617A**	CVLAAR036105	30,000	11.5	13.2	29,600	3.50	7.7	17,500	2.36
5211726	CH13NA030****A	CAP**3617A**	OVLAAB036098	30,000	11.3	13.2	29,600	3.46	7.7	17,500	2.34
5211725	CH13NA030****A	CAP**3617A**	OVMAAB036098	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5211727	CH13NA030****A	CAP**3617A**	OVMAAB042112	30,000	11.5	13.5	29,600	3.52	7.7	17,400	2.38
5211731	CH13NA030****A	CAP**3621A**	58CV(A,X)110-20	30,000	11.5	13.5	29,400	3.50	7.7	17,300	2.38
5211732	CH13NA030****A	CAP**3621A**	58PH*090-16	30,000	11.5	13.5	29,800	3.58	7.8	17,500	2.40
5211729	CH13NA030****A	CAP**3621A**	59*N*A080V21**20	30,000	11.5	13.5	29,600	3.52	7.7	17,400	2.38
5211730	CH13NA030****A	CAP**3621A**	59*N*A100V21**22	30,000	11.7	13.7	29,600	3.56	7.8	17,400	2.40
5211728	CH13NA030****A	CAP**3621A**	59MN7A060V21**20	30,000	11.3	13.2	29,600	3.48	7.7	17,500	2.36
5211733	CH13NA030****A	CAP**3621A**	OVLAAB048112	30,000	11.5	13.5	29,800	3.54	7.8	17,500	2.38
5211763	CH13NA030****A	CNPH*3017A**	58CV(A,X)090-16	30,000	11.5	13.5	29,400	3.46	7.7	17,300	2.36
5211764	CH13NA030****A	CNPH*3017A**	58PH*070-16	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5211765	CH13NA030****A	CNPH*3017A**	58VLR105-12	30,000	11.3	13.2	29,600	3.46	7.7	17,500	2.36
5211760	CH13NA030****A	CNPH*3017A**	59*N*A080V17**14	30,000	11.3	13.2	29,600	3.44	7.7	17,500	2.34
5211761	CH13NA030****A	CNPH*3017A**	59*P5A060E17**14	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5211762	CH13NA030****A	CNPH*3017A**	59*P5A080E17**16	30,000	11.3	13.2	29,800	3.50	7.7	17,700	2.36
5211766	CH13NA030****A	CNPH*3017A**	CVLAAR036105	30,000	11.3	13.2	29,600	3.46	7.7	17,500	2.36
5211768	CH13NA030****A	CNPH*3017A**	OVLAAB036098	30,000	11.3	13.2	29,600	3.42	7.7	17,500	2.34
5211767	CH13NA030****A	CNPH*3017A**	OVMAAB036098	30,000	11.2	13.0	29,800	3.42	7.7	17,600	2.34
5211769	CH13NA030****A	CNPH*3017A**	OVMAAB042112	30,000	11.5	13.2	29,600	3.48	7.7	17,400	2.36
5211773	CH13NA030****A	CNPH*3617A**	58CV(A,X)090-16	30,000	11.5	13.5	29,400	3.46	7.7	17,300	2.36
5211774	CH13NA030****A	CNPH*3617A**	58PH*070-16	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5211775	CH13NA030****A	CNPH*3617A**	58VLR105-12	30,000	11.3	13.2	29,600	3.46	7.7	17,500	2.36
5211770	CH13NA030****A	CNPH*3617A**	59*N*A080V17**14	30,000	11.3	13.2	29,600	3.44	7.7	17,500	2.34
5211771	CH13NA030****A	CNPH*3617A**	59*P5A060E17**14	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5211772	CH13NA030****A	CNPH*3617A**	59*P5A080E17**16	30,000	11.3	13.2	29,800	3.50	7.7	17,700	2.36
5211776	CH13NA030****A	CNPH*3617A**	CVLAAR036105	30,000	11.3	13.2	29,600	3.46	7.7	17,500	2.36
5211778	CH13NA030****A	CNPH*3617A**	OVLAAB036098	30,000	11.3	13.2	29,600	3.42	7.7	17,500	2.34
5211777	CH13NA030****A	CNPH*3617A**	OVMAAB036098	30,000	11.2	13.0	29,800	3.42	7.7	17,600	2.34
5211779	CH13NA030****A	CNPH*3617A**	OVMAAB042112	30,000	11.5	13.2	29,600	3.48	7.7	17,400	2.36
5211737	CH13NA030****A	CNPV*3017A**	58CV(A,X)090-16	30,000	11.5	13.5	29,400	3.46	7.7	17,300	2.36
5211738	CH13NA030****A	CNPV*3017A**	58PH*070-16	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5211739	CH13NA030****A	CNPV*3017A**	58VLR105-12	30,000	11.3	13.2	29,600	3.46	7.7	17,500	2.36
5211734	CH13NA030****A	CNPV*3017A**	59*N*A080V17**14	30,000	11.3	13.2	29,600	3.44	7.7	17,500	2.34
5211735	CH13NA030****A	CNPV*3017A**	59*P5A060E17**14	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5211736	CH13NA030****A	CNPV*3017A**	59*P5A080E17**16	30,000	11.3	13.2	29,800	3.50	7.7	17,700	2.36
5211740	CH13NA030****A	CNPV*3017A**	CVLAAR036105	30,000	11.3	13.2	29,600	3.46	7.7	17,500	2.36

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COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
5211742	CH13NA030****A	CNPV*3017A**	OVLAAB036098	30,000	11.3	13.2	29,600	3.42	7.7	17,500	2.34
5211741	CH13NA030****A	CNPV*3017A**	OVMAAB036098	30,000	11.2	13.0	29,800	3.42	7.7	17,600	2.34
5211743	CH13NA030****A	CNPV*3017A**	OVMAAB042112	30,000	11.5	13.2	29,600	3.48	7.7	17,400	2.36
5211747	CH13NA030****A	CNPV*3617A**	58CV(A,X)090-16	30,000	11.5	13.5	29,400	3.46	7.7	17,300	2.36
5211748	CH13NA030****A	CNPV*3617A**	58PH*070-16	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5211749	CH13NA030****A	CNPV*3617A**	58VLR105-12	30,000	11.3	13.2	29,600	3.46	7.7	17,500	2.36
5211744	CH13NA030****A	CNPV*3617A**	59*N*A080V17**14	30,000	11.3	13.2	29,600	3.44	7.7	17,500	2.34
5211745	CH13NA030****A	CNPV*3617A**	59*P5A060E17**14	30,000	11.3	13.2	29,800	3.46	7.7	17,600	2.34
5211746	CH13NA030****A	CNPV*3617A**	59*P5A080E17**16	30,000	11.3	13.2	29,800	3.50	7.7	17,700	2.36
5211750	CH13NA030****A	CNPV*3617A**	CVLAAR036105	30,000	11.3	13.2	29,600	3.46	7.7	17,500	2.36
5211752	CH13NA030****A	CNPV*3617A**	OVLAAB036098	30,000	11.3	13.2	29,600	3.42	7.7	17,500	2.34
5211751	CH13NA030****A	CNPV*3617A**	OVMAAB036098	30,000	11.2	13.0	29,800	3.42	7.7	17,600	2.34
5211753	CH13NA030****A	CNPV*3617A**	OVMAAB042112	30,000	11.5	13.2	29,600	3.48	7.7	17,400	2.36
5211757	CH13NA030****A	CNPV*3621A**	58CV(A,X)110-20	30,000	11.5	13.5	29,400	3.46	7.7	17,300	2.36
5211758	CH13NA030****A	CNPV*3621A**	58PH*090-16	30,000	11.5	13.2	29,600	3.48	7.7	17,500	2.36
5211755	CH13NA030****A	CNPV*3621A**	59*N*A080V21**20	30,000	11.3	13.2	29,600	3.46	7.7	17,500	2.36
5211756	CH13NA030****A	CNPV*3621A**	59*P5A100V21**22	30,000	11.5	13.5	29,600	3.52	7.7	17,400	2.38
5211754	CH13NA030****A	CNPV*3621A**	59MN7A060V21**20	30,000	11.3	13.2	29,600	3.44	7.7	17,500	2.34
5211759	CH13NA030****A	CNPV*3621A**	OVLAAB048112	30,000	11.3	13.2	29,800	3.50	7.7	17,600	2.36
5211788	CH13NA030****A	CSPH*3012A**	58CV(A,X)070-12	30,000	11.3	13.2	29,600	3.50	7.7	17,500	2.36
5211789	CH13NA030****A	CSPH*3012A**	58CV(A,X)090-16	30,000	11.5	13.5	29,600	3.52	7.7	17,400	2.38
5211790	CH13NA030****A	CSPH*3012A**	58CV(A,X)110-20	30,000	11.5	13.2	29,600	3.54	7.7	17,400	2.38
5211791	CH13NA030****A	CSPH*3012A**	58CV(A,X)135-22	30,000	11.5	13.5	29,600	3.54	7.8	17,400	2.38
5211792	CH13NA030****A	CSPH*3012A**	58CV(A,X)155-22	30,000	11.5	13.5	29,600	3.54	7.8	17,400	2.38
5211793	CH13NA030****A	CSPH*3012A**	58PH*070-16	30,000	11.3	13.2	29,800	3.50	7.7	17,600	2.36
5211794	CH13NA030****A	CSPH*3012A**	58PH*090-16	30,000	11.3	13.2	29,800	3.52	7.7	17,500	2.36
5211796	CH13NA030****A	CSPH*3012A**	58VLR105-12	30,000	11.3	13.2	29,800	3.54	7.8	17,600	2.38
5211795	CH13NA030****A	CSPH*3012A**	58VMR105-12	29,800	11.3	13.2	29,400	3.46	7.7	17,400	2.34
5211780	CH13NA030****A	CSPH*3012A**	59*N*A060V17**14	30,000	11.2	13.0	29,800	3.48	7.7	17,600	2.34
5211781	CH13NA030****A	CSPH*3012A**	59*N*A080V17**14	30,000	11.3	13.2	29,800	3.52	7.7	17,600	2.36
5211783	CH13NA030****A	CSPH*3012A**	59*N*A080V21**20	30,000	11.3	13.2	29,800	3.54	7.8	17,600	2.36
5211784	CH13NA030****A	CSPH*3012A**	59*N*A100V21**22	30,000	11.5	13.5	29,800	3.58	7.8	17,500	2.40
5211785	CH13NA030****A	CSPH*3012A**	59*N*A120V24**22	30,000	11.5	13.2	29,800	3.56	7.8	17,500	2.38
5211786	CH13NA030****A	CSPH*3012A**	59*P5A060E17**14	30,000	11.3	13.2	29,800	3.52	7.7	17,600	2.36
5211787	CH13NA030****A	CSPH*3012A**	59*P5A080E17**16	30,000	11.3	13.2	30,000	3.56	7.8	17,800	2.38
5211782	CH13NA030****A	CSPH*3012A**	59MN7A060V21**20	30,000	11.3	13.2	29,800	3.52	7.7	17,600	2.36
5211798	CH13NA030****A	CSPH*3012A**	CVLAAR036105	30,000	11.3	13.2	29,800	3.54	7.8	17,600	2.38
5211797	CH13NA030****A	CSPH*3012A**	CVMAAR036105	29,800	11.3	13.2	29,400	3.46	7.7	17,400	2.34
5211800	CH13NA030****A	CSPH*3012A**	OVLAAB036098	30,000	11.3	13.0	29,800	3.50	7.7	17,600	2.34
5211802	CH13NA030****A	CSPH*3012A**	OVLAAB048112	30,000	11.3	13.2	30,000	3.56	7.8	17,700	2.38
5211799	CH13NA030****A	CSPH*3012A**	OVMAAB036098	30,000	11.2	13.0	30,000	3.50	7.7	17,700	2.34
5211801	CH13NA030****A	CSPH*3012A**	OVMAAB042112	30,000	11.3	13.2	29,800	3.54	7.8	17,600	2.38
5211811	CH13NA030****A	CSPH*3612A**	58CV(A,X)070-12	30,000	11.5	13.5	29,600	3.58	7.8	17,500	2.38
5211812	CH13NA030****A	CSPH*3612A**	58CV(A,X)090-16	30,000	11.7	13.7	29,600	3.60	7.8	17,400	2.40
5211813	CH13NA030****A	CSPH*3612A**	58CV(A,X)110-20	30,000	11.7	13.7	29,600	3.62	7.8	17,400	2.40
5211814	CH13NA030****A	CSPH*3612A**	58CV(A,X)135-22	30,000	11.7	13.7	29,600	3.62	7.8	17,400	2.42
5211815	CH13NA030****A	CSPH*3612A**	58CV(A,X)155-22	30,000	11.7	13.7	29,600	3.62	7.8	17,400	2.42
5211816	CH13NA030****A	CSPH*3612A**	58PH*070-16	30,000	11.5	13.2	29,800	3.60	7.8	17,700	2.40
5211817	CH13NA030****A	CSPH*3612A**	58PH*090-16	30,000	11.7	13.7	29,600	3.64	8.0	17,600	2.42
5211819	CH13NA030****A	CSPH*3612A**	58VLR105-12	30,000	11.5	13.5	29,600	3.62	7.8	17,600	2.40
5211818	CH13NA030****A	CSPH*3612A**	58VMR105-12	30,000	11.5	13.5	29,400	3.54	7.8	17,400	2.38
5211803	CH13NA030****A	CSPH*3612A**	59*N*A060V17**14	30,000	11.5	13.2	29,800	3.56	7.8	17,600	2.38
5211804	CH13NA030****A	CSPH*3612A**	59*N*A080V17**14	30,000	11.5	13.5	29,600	3.60	7.8	17,600	2.40
5211806	CH13NA030****A	CSPH*3612A**	59*N*A080V21**20	30,000	11.7	13.7	29,600	3.62	7.8	17,500	2.40
5211807	CH13NA030****A	CSPH*3612A**	59*N*A100V21**22	30,000	11.7	13.7	29,600	3.66	8.0	17,500	2.44
5211808	CH13NA030****A	CSPH*3612A**	59*N*A120V24**22	30,000	11.7	13.7	29,600	3.64	7.8	17,500	2.42
5211809	CH13NA030****A	CSPH*3612A**	59*P5A060E17**14	30,000	11.5	13.2	29,800	3.60	7.8	17,700	2.40
5211810	CH13NA030****A	CSPH*3612A**	59*P5A080E17**16	30,000	11.5	13.5	29,800	3.66	8.0	17,800	2.42
5211805	CH13NA030****A	CSPH*3612A**	59MN7A060V21**20	30,000	11.5	13.5	29,800	3.60	7.8	17,600	2.40
5211821	CH13NA030****A	CSPH*3612A**	CVLAAR036105	30,000	11.5	13.5	29,600	3.62	7.8	17,600	2.40
5211820	CH13NA030****A	CSPH*3612A**	CVMAAR036105	30,000	11.5	13.5	29,400	3.54	7.8	17,400	2.38
5211823	CH13NA030****A	CSPH*3612A**	OVLAAB036098	30,000	11.5	13.5	29,800	3.58	7.8	17,600	2.38
5211825	CH13NA030****A	CSPH*3612A**	OVLAAB048112	30,000	11.5	13.5	29,800	3.64	8.0	17,700	2.42
5211822	CH13NA030****A	CSPH*3612A**	OVMAAB036098	30,000	11.3	13.2	29,800	3.58	7.8	17,700	2.38
5211824	CH13NA030****A	CSPH*3612A**	OVMAAB042112	30,000	11.7	13.7	29,600	3.64	7.8	17,500	2.42
5211826	CH13NA030****A	FB4CNF036		28,600	11.0	13.0	28,600	3.50	7.7	17,700	2.36
5211830	CH13NA030****A	FE4AN(B,F)003+UI		30,000	11.7	13.7	29,400	3.54	7.8	17,300	2.40
5211829	CH13NA030****A	FE4ANF002+UI		30,000	11.5	13.5	29,600	3.52	7.7	17,400	2.38
5211831	CH13NA030****A	FF1ENP031		30,000	11.3	13.2	29,800	3.48	7.7	17,700	2.36
5211832	CH13NA030****A	FF1ENP037		30,000	11.2	13.0	30,000	3.52	7.7	17,900	2.36
5211834	CH13NA030****A	FV4CN(B,F)003		30,000	11.7	13.7	29,400	3.54	7.8	17,300	2.40
5211833	CH13NA030****A	FV4CNF002		30,000	11.5	13.5	29,600	3.52	7.7	17,400	2.38
5211827	CH13NA030****A	FX4DN(B,F)031		30,000	11.5	13.5	30,000	3.60	7.8	17,700	2.40
5211828	CH13NA030****A	FX4DN(B,F)037		30,000	11.7	13.7	29,400	3.68	8.0	17,700	2.44
5211835	CH13NA036****A	†FB4CNF036		33,600	11.0	13.0	33,400	3.54	7.7	20,200	2.40
5211836	CH13NA036****A	CAP**3614A**	58CV(A,X)070-12	33,600	11.7	13.2	33,200	3.48	7.7	19,700	2.40
5211841	CH13NA036****A	CAP**3617A**	58CV(A,X)090-16	33,800	12.0	13.7	33,000	3.54	7.8	19,500	2.44

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COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
5211842	CH13NA036****A	CAP**3617A**	58PH*070-16	33,800	11.5	13.2	33,400	3.50	7.8	19,900	2.40
5211844	CH13NA036****A	CAP**3617A**	58VLR105-12	33,800	11.7	13.5	33,400	3.54	7.8	19,800	2.42
5211843	CH13NA036****A	CAP**3617A**	58VMR105-12	33,600	11.7	13.5	33,000	3.48	7.7	19,600	2.40
5211837	CH13NA036****A	CAP**3617A**	59*N*A060V17**14	33,400	11.5	13.2	33,000	3.42	7.7	19,600	2.38
5211838	CH13NA036****A	CAP**3617A**	59*N*A080V17**14	33,600	11.7	13.5	33,000	3.46	7.7	19,500	2.40
5211839	CH13NA036****A	CAP**3617A**	59*P5A060E17**14	33,600	11.5	13.2	33,400	3.50	7.8	19,900	2.40
5211840	CH13NA036****A	CAP**3617A**	59*P5A080E17**16	33,600	11.7	13.5	33,200	3.50	7.8	19,600	2.42
5211846	CH13NA036****A	CAP**3617A**	CVLAAR036105	33,800	11.7	13.5	33,400	3.54	7.8	19,800	2.42
5211845	CH13NA036****A	CAP**3617A**	CVMAAR036105	33,600	11.7	13.5	33,000	3.48	7.7	19,600	2.40
5211848	CH13NA036****A	CAP**3617A**	OVLAAB036098	33,600	11.5	13.2	33,400	3.46	7.7	19,900	2.38
5211847	CH13NA036****A	CAP**3617A**	OVMAAB036098	33,600	11.5	13.2	33,400	3.46	7.7	19,900	2.38
5211849	CH13NA036****A	CAP**3617A**	OVMAAB042112	33,800	11.7	13.5	33,200	3.52	7.8	19,700	2.42
5211853	CH13NA036****A	CAP**3621A**	58CV(A,X)110-20	33,800	12.0	13.7	33,000	3.56	7.8	19,500	2.44
5211854	CH13NA036****A	CAP**3621A**	58PH*090-16	34,200	12.0	13.7	33,200	3.62	8.0	19,700	2.48
5211855	CH13NA036****A	CAP**3621A**	58PH*110-20	34,200	12.2	14.0	33,400	3.64	8.0	19,700	2.48
5211857	CH13NA036****A	CAP**3621A**	58VLR120-20	33,800	12.0	14.0	33,000	3.56	7.8	19,400	2.46
5211856	CH13NA036****A	CAP**3621A**	58VMR120-20	33,600	12.0	13.7	33,000	3.52	7.8	19,500	2.44
5211851	CH13NA036****A	CAP**3621A**	59*N*A080V21**20	33,600	12.0	13.7	32,800	3.54	7.8	19,300	2.44
5211852	CH13NA036****A	CAP**3621A**	59*N*A100V21**22	33,800	12.0	13.7	33,000	3.56	7.8	19,400	2.46
5211850	CH13NA036****A	CAP**3621A**	59MN7A060V21**20	33,600	11.7	13.7	33,000	3.48	7.7	19,500	2.40
5211859	CH13NA036****A	CAP**3621A**	CVLAAR060120	33,800	12.0	14.0	33,000	3.56	7.8	19,400	2.46
5211858	CH13NA036****A	CAP**3621A**	CVMAAR060120	33,600	12.0	13.7	33,000	3.52	7.8	19,500	2.44
5211860	CH13NA036****A	CAP**3621A**	OVLAAB048112	34,000	11.7	13.5	33,400	3.56	7.8	19,900	2.44
5211864	CH13NA036****A	CAP**4221A**	58CV(A,X)110-20	34,000	12.0	13.7	33,200	3.60	7.8	19,600	2.46
5211865	CH13NA036****A	CAP**4221A**	58PH*090-16	34,400	12.2	14.0	33,400	3.66	8.0	19,700	2.50
5211866	CH13NA036****A	CAP**4221A**	58PH*110-20	34,600	12.2	14.0	33,400	3.68	8.0	19,700	2.50
5211868	CH13NA036****A	CAP**4221A**	58VLR120-20	34,000	12.2	14.0	33,000	3.60	7.8	19,500	2.48
5211867	CH13NA036****A	CAP**4221A**	58VMR120-20	34,000	12.0	13.7	33,200	3.56	7.8	19,600	2.44
5211862	CH13NA036****A	CAP**4221A**	59*N*A080V21**20	33,800	12.2	14.0	33,000	3.58	7.8	19,400	2.46
5211863	CH13NA036****A	CAP**4221A**	59*N*A100V21**22	34,000	12.0	14.0	33,000	3.60	7.8	19,500	2.46
5211861	CH13NA036****A	CAP**4221A**	59MN7A060V21**20	33,800	11.7	13.7	33,000	3.52	7.8	19,500	2.42
5211870	CH13NA036****A	CAP**4221A**	CVLAAR060120	34,000	12.2	14.0	33,000	3.60	7.8	19,500	2.48
5211869	CH13NA036****A	CAP**4221A**	CVMAAR060120	34,000	12.0	13.7	33,200	3.56	7.8	19,600	2.44
5211871	CH13NA036****A	CAP**4221A**	OVLAAB048112	34,200	11.7	13.5	33,400	3.58	7.8	19,900	2.44
5211873	CH13NA036****A	CAP**4224A**	58CV(A,X)135-22	34,000	12.2	14.0	33,000	3.62	8.0	19,500	2.48
5211874	CH13NA036****A	CAP**4224A**	58CV(A,X)155-22	34,200	12.2	14.0	33,000	3.64	8.0	19,400	2.50
5211872	CH13NA036****A	CAP**4224A**	59*N*A120V24**22	33,800	12.0	13.7	33,000	3.56	7.8	19,400	2.46
5211927	CH13NA036****A	CNPH*3617A**	58CV(A,X)090-16	33,600	11.7	13.7	33,000	3.50	7.8	19,600	2.42
5211928	CH13NA036****A	CNPH*3617A**	58PH*070-16	33,600	11.5	13.2	33,400	3.46	7.7	19,900	2.40
5211930	CH13NA036****A	CNPH*3617A**	58VLR105-12	33,800	11.5	13.2	33,400	3.50	7.8	19,900	2.42
5211929	CH13NA036****A	CNPH*3617A**	58VMR105-12	33,600	11.7	13.2	33,000	3.44	7.7	19,600	2.38
5211923	CH13NA036****A	CNPH*3617A**	59*N*A060V17**14	33,400	11.5	13.2	33,000	3.40	7.7	19,600	2.36
5211924	CH13NA036****A	CNPH*3617A**	59*N*A080V17**14	33,600	11.7	13.2	33,000	3.44	7.7	19,500	2.38
5211925	CH13NA036****A	CNPH*3617A**	59*P5A060E17**14	33,600	11.5	13.2	33,400	3.46	7.7	19,900	2.38
5211926	CH13NA036****A	CNPH*3617A**	59*P5A080E17**16	33,600	11.7	13.5	33,000	3.46	7.7	19,600	2.40
5211932	CH13NA036****A	CNPH*3617A**	CVLAAR036105	33,800	11.5	13.2	33,400	3.50	7.8	19,900	2.42
5211931	CH13NA036****A	CNPH*3617A**	CVMAAR036105	33,600	11.7	13.2	33,000	3.44	7.7	19,600	2.38
5211934	CH13NA036****A	CNPH*3617A**	OVLAAB036098	33,600	11.3	13.0	33,400	3.42	7.7	19,900	2.36
5211933	CH13NA036****A	CNPH*3617A**	OVMAAB036098	33,600	11.3	13.0	33,400	3.44	7.7	20,000	2.38
5211935	CH13NA036****A	CNPH*3617A**	OVMAAB042112	33,600	11.7	13.2	33,400	3.48	7.8	19,800	2.40
5211939	CH13NA036****A	CNPH*4221A**	58CV(A,X)110-20	34,200	12.0	13.7	33,200	3.60	7.8	19,600	2.46
5211940	CH13NA036****A	CNPH*4221A**	58PH*090-16	34,200	12.0	13.7	33,400	3.64	8.0	19,700	2.48
5211941	CH13NA036****A	CNPH*4221A**	58PH*110-20	34,400	12.2	14.0	33,400	3.66	8.0	19,700	2.50
5211943	CH13NA036****A	CNPH*4221A**	58VLR120-20	34,000	12.0	14.0	33,200	3.60	7.8	19,500	2.46
5211942	CH13NA036****A	CNPH*4221A**	58VMR120-20	34,000	12.0	13.7	33,200	3.56	7.8	19,600	2.44
5211937	CH13NA036****A	CNPH*4221A**	59*N*A080V21**20	34,000	12.0	13.7	33,000	3.56	7.8	19,500	2.46
5211938	CH13NA036****A	CNPH*4221A**	59*N*A100V21**22	34,000	12.0	13.7	33,200	3.58	7.8	19,600	2.46
5211936	CH13NA036****A	CNPH*4221A**	59MN7A060V21**20	33,800	11.7	13.7	33,200	3.52	7.8	19,600	2.42
5211945	CH13NA036****A	CNPH*4221A**	CVLAAR060120	34,000	12.0	14.0	33,200	3.60	7.8	19,500	2.46
5211944	CH13NA036****A	CNPH*4221A**	CVMAAR060120	34,000	12.0	13.7	33,200	3.56	7.8	19,600	2.44
5211946	CH13NA036****A	CNPH*4221A**	OVLAAB048112	34,200	11.7	13.5	33,400	3.58	7.8	20,000	2.44
5211879	CH13NA036****A	CNPV*3617A**	58CV(A,X)090-16	33,600	11.7	13.7	33,000	3.50	7.8	19,600	2.42
5211880	CH13NA036****A	CNPV*3617A**	58PH*070-16	33,600	11.5	13.2	33,400	3.46	7.7	19,900	2.40
5211882	CH13NA036****A	CNPV*3617A**	58VLR105-12	33,800	11.5	13.2	33,400	3.50	7.8	19,900	2.42
5211881	CH13NA036****A	CNPV*3617A**	58VMR105-12	33,600	11.7	13.2	33,000	3.44	7.7	19,600	2.38
5211875	CH13NA036****A	CNPV*3617A**	59*N*A060V17**14	33,400	11.5	13.2	33,000	3.40	7.7	19,600	2.36
5211876	CH13NA036****A	CNPV*3617A**	59*N*A080V17**14	33,600	11.7	13.2	33,000	3.44	7.7	19,500	2.38
5211877	CH13NA036****A	CNPV*3617A**	59*P5A060E17**14	33,600	11.5	13.2	33,400	3.46	7.7	19,900	2.38
5211878	CH13NA036****A	CNPV*3617A**	59*P5A080E17**16	33,600	11.7	13.5	33,000	3.46	7.7	19,600	2.40
5211884	CH13NA036****A	CNPV*3617A**	CVLAAR036105	33,800	11.5	13.2	33,400	3.50	7.8	19,900	2.42
5211883	CH13NA036****A	CNPV*3617A**	CVMAAR036105	33,600	11.7	13.2	33,000	3.44	7.7	19,600	2.38
5211886	CH13NA036****A	CNPV*3617A**	OVLAAB036098	33,600	11.3	13.0	33,400	3.42	7.7	19,900	2.36
5211885	CH13NA036****A	CNPV*3617A**	OVMAAB036098	33,600	11.3	13.0	33,400	3.44	7.7	20,000	2.38
5211887	CH13NA036****A	CNPV*3617A**	OVMAAB042112	33,600	11.7	13.2	33,400	3.48	7.8	19,800	2.40
5211891	CH13NA036****A	CNPV*3621A**	58CV(A,X)110-20	33,800	11.7	13.7	33,200	3.52	7.8	19,600	2.42
5211892	CH13NA036****A	CNPV*3621A**	58PH*090-16	33,800	12.0	13.7	33,200	3.56	7.8	19,600	2.44
5211893	CH13NA036****A	CNPV*3621A**	58PH*110-20	34,000	12.0	13.7	33,200	3.58	7.8	19,600	2.46
5211895	CH13NA036****A	CNPV*3621A**	58VLR120-20	33,800	12.0	13.7	33,000	3.54	7.8	19,500	2.44

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COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-6°C)	COP
5211894	CH13NA036****A	CNPV*3621A**	58VMR120-20	33,600	11.7	13.5	33,000	3.50	7.8	19,600	2.42
5211899	CH13NA036****A	CNPV*3621A**	59*N*A080V21**20	33,600	11.7	13.7	33,000	3.50	7.8	19,400	2.42
5211890	CH13NA036****A	CNPV*3621A**	59*N*A100V21**22	33,600	11.7	13.7	33,000	3.52	7.8	19,500	2.42
5211888	CH13NA036****A	CNPV*3621A**	59MN7A060V21**20	33,600	11.7	13.5	33,000	3.44	7.7	19,500	2.40
5211897	CH13NA036****A	CNPV*3621A**	CVLAAR060120	33,800	12.0	13.7	33,000	3.54	7.8	19,500	2.44
5211896	CH13NA036****A	CNPV*3621A**	CVMAAR060120	33,600	11.7	13.5	33,000	3.50	7.8	19,600	2.42
5211898	CH13NA036****A	CNPV*3621A**	OVLAA048112	33,800	11.5	13.2	33,400	3.50	7.8	20,000	2.40
5211903	CH13NA036****A	CNPV*4217A**	58CV(A,X)090-16	34,400	12.0	14.0	33,400	3.64	8.0	19,700	2.48
5211904	CH13NA036****A	CNPV*4217A**	58PH*070-16	34,200	11.7	13.5	33,400	3.60	7.8	20,000	2.44
5211906	CH13NA036****A	CNPV*4217A**	58VLR105-12	34,400	11.7	13.7	33,400	3.64	8.0	20,000	2.46
5211905	CH13NA036****A	CNPV*4217A**	58VMR105-12	34,000	11.7	13.7	33,400	3.56	7.8	19,700	2.44
5211899	CH13NA036****A	CNPV*4217A**	59*N*A060V17**14	33,800	11.7	13.5	33,400	3.52	7.8	19,700	2.42
5211900	CH13NA036****A	CNPV*4217A**	59*N*A080V17**14	34,000	11.7	13.7	33,200	3.56	7.8	19,700	2.44
5211901	CH13NA036****A	CNPV*4217A**	59*P5A060E17**14	34,200	11.7	13.5	33,400	3.58	7.8	20,000	2.44
5211902	CH13NA036****A	CNPV*4217A**	59*P5A080E17**16	34,200	11.7	13.7	33,400	3.58	7.8	19,800	2.46
5211908	CH13NA036****A	CNPV*4217A**	CVLAAR036105	34,400	11.7	13.7	33,400	3.64	8.0	20,000	2.46
5211907	CH13NA036****A	CNPV*4217A**	CVMAAR036105	34,000	11.7	13.7	33,400	3.56	7.8	19,700	2.44
5211910	CH13NA036****A	CNPV*4217A**	OVLAA036098	34,000	11.5	13.2	33,400	3.54	7.8	20,000	2.42
5211909	CH13NA036****A	CNPV*4217A**	OVMAAB036098	34,200	11.5	13.2	33,600	3.56	7.8	20,000	2.42
5211911	CH13NA036****A	CNPV*4217A**	OVMAAB042112	34,400	11.7	13.7	33,400	3.62	8.0	19,900	2.46
5211915	CH13NA036****A	CNPV*4221A**	58CV(A,X)110-20	34,200	12.0	13.7	33,200	3.60	7.8	19,600	2.46
5211916	CH13NA036****A	CNPV*4221A**	58PH*090-16	34,200	12.0	13.7	33,400	3.64	8.0	19,700	2.48
5211917	CH13NA036****A	CNPV*4221A**	58PH*110-20	34,400	12.2	14.0	33,400	3.66	8.0	19,700	2.50
5211919	CH13NA036****A	CNPV*4221A**	58VLR120-20	34,000	12.0	14.0	33,200	3.60	7.8	19,500	2.46
5211918	CH13NA036****A	CNPV*4221A**	58VMR120-20	34,000	12.0	13.7	33,200	3.56	7.8	19,600	2.44
5211913	CH13NA036****A	CNPV*4221A**	59*N*A080V21**20	34,000	12.0	13.7	33,000	3.56	7.8	19,500	2.46
5211914	CH13NA036****A	CNPV*4221A**	59*N*A100V21**22	34,000	12.0	13.7	33,200	3.58	7.8	19,600	2.46
5211912	CH13NA036****A	CNPV*4221A**	59MN7A060V21**20	33,800	11.7	13.7	33,200	3.52	7.8	19,600	2.42
5211921	CH13NA036****A	CNPV*4221A**	CVLAAR060120	34,000	12.0	14.0	33,200	3.60	7.8	19,500	2.46
5211920	CH13NA036****A	CNPV*4221A**	CVMAAR060120	34,000	12.0	13.7	33,200	3.56	7.8	19,600	2.44
5211922	CH13NA036****A	CNPV*4221A**	OVLAA048112	34,200	11.7	13.5	33,400	3.58	7.8	20,000	2.44
5211955	CH13NA036****A	CSPH*3612A**	58CV(A,X)070-12	34,400	12.0	13.7	33,400	3.60	8.0	19,800	2.46
5211956	CH13NA036****A	CSPH*3612A**	58CV(A,X)090-16	34,400	12.2	14.0	33,400	3.64	8.0	19,700	2.48
5211957	CH13NA036****A	CSPH*3612A**	58CV(A,X)110-20	34,600	12.2	14.0	33,400	3.66	8.0	19,700	2.48
5211958	CH13NA036****A	CSPH*3612A**	58CV(A,X)135-22	34,600	12.2	14.0	33,400	3.66	8.0	19,700	2.50
5211959	CH13NA036****A	CSPH*3612A**	58CV(A,X)155-22	34,600	12.2	14.0	33,200	3.70	8.0	19,600	2.50
5211960	CH13NA036****A	CSPH*3612A**	58PH*045-08	34,400	11.5	13.2	33,800	3.56	7.8	20,400	2.42
5211961	CH13NA036****A	CSPH*3612A**	58PH*070-16	34,400	11.7	13.5	33,600	3.60	8.0	20,000	2.46
5211962	CH13NA036****A	CSPH*3612A**	58PH*090-16	34,800	12.2	14.0	33,400	3.70	8.0	19,800	2.50
5211963	CH13NA036****A	CSPH*3612A**	58PH*110-20	34,800	12.2	14.0	33,400	3.72	8.2	19,800	2.52
5211965	CH13NA036****A	CSPH*3612A**	58VLR105-12	34,600	12.0	13.7	33,400	3.64	8.0	20,000	2.48
5211967	CH13NA036****A	CSPH*3612A**	58VLR120-20	34,600	12.2	14.0	33,200	3.66	8.0	19,600	2.50
5211964	CH13NA036****A	CSPH*3612A**	58VMR105-12	34,200	12.0	13.7	33,400	3.58	7.8	19,700	2.44
5211966	CH13NA036****A	CSPH*3612A**	58VMR120-20	34,400	12.0	13.7	33,400	3.62	8.0	19,700	2.48
5211947	CH13NA036****A	CSPH*3612A**	59*N*A060V17**14	34,000	11.7	13.5	33,400	3.52	7.8	19,700	2.42
5211948	CH13NA036****A	CSPH*3612A**	59*N*A080V17**14	34,200	12.0	13.7	33,200	3.56	7.8	19,700	2.44
5211950	CH13NA036****A	CSPH*3612A**	59*N*A080V21**20	34,400	12.2	14.0	33,200	3.62	8.0	19,600	2.48
5211951	CH13NA036****A	CSPH*3612A**	59*N*A100V21**22	34,400	12.2	14.0	33,400	3.66	8.0	19,700	2.48
5211952	CH13NA036****A	CSPH*3612A**	59*N*A120V24**22	34,400	12.0	14.0	33,200	3.62	8.0	19,600	2.48
5211953	CH13NA036****A	CSPH*3612A**	59*P5A060E17**14	34,400	11.7	13.5	33,600	3.60	8.0	20,000	2.44
5211954	CH13NA036****A	CSPH*3612A**	59*P5A080E17**16	34,400	12.0	13.7	33,400	3.60	8.0	19,800	2.46
5211949	CH13NA036****A	CSPH*3612A**	59MN7A060V21**20	34,200	12.0	13.7	33,200	3.58	7.8	19,700	2.44
5211969	CH13NA036****A	CSPH*3612A**	CVLAAR036105	34,600	12.0	13.7	33,400	3.64	8.0	20,000	2.48
5211971	CH13NA036****A	CSPH*3612A**	CVLAAR060120	34,600	12.2	14.0	33,200	3.66	8.0	19,600	2.50
5211968	CH13NA036****A	CSPH*3612A**	CVMAAR036105	34,200	12.0	13.7	33,400	3.58	7.8	19,700	2.44
5211970	CH13NA036****A	CSPH*3612A**	CVMAAR060120	34,400	12.0	13.7	33,400	3.62	8.0	19,700	2.48
5211973	CH13NA036****A	CSPH*3612A**	OVLAA036098	34,200	11.7	13.5	33,400	3.56	7.8	20,000	2.42
5211975	CH13NA036****A	CSPH*3612A**	OVLAA048112	34,600	11.7	13.7	33,600	3.64	8.0	20,200	2.46
5211976	CH13NA036****A	CSPH*3612A**	OVLAA060154	35,400	12.0	13.7	34,000	3.80	8.2	20,400	2.54
5211972	CH13NA036****A	CSPH*3612A**	OVMAAB036098	34,400	11.7	13.2	33,600	3.58	7.8	20,200	2.44
5211974	CH13NA036****A	CSPH*3612A**	OVMAAB042112	34,400	12.0	13.7	33,400	3.62	8.0	19,900	2.46
5211986	CH13NA036****A	CSPH*4212A**	58CV(A,X)070-12	34,600	12.0	13.7	33,400	3.64	8.0	19,900	2.48
5211987	CH13NA036****A	CSPH*4212A**	58CV(A,X)090-16	34,600	12.2	14.0	33,400	3.68	8.0	19,700	2.50
5211988	CH13NA036****A	CSPH*4212A**	58CV(A,X)110-20	34,800	12.2	14.0	33,400	3.70	8.0	19,800	2.50
5211989	CH13NA036****A	CSPH*4212A**	58CV(A,X)135-22	34,800	12.2	14.0	33,400	3.70	8.0	19,700	2.52
5211990	CH13NA036****A	CSPH*4212A**	58CV(A,X)155-22	34,800	12.5	14.0	33,400	3.74	8.2	19,600	2.52
5211991	CH13NA036****A	CSPH*4212A**	58PH*045-08	34,600	11.5	13.2	34,000	3.60	8.0	20,400	2.44
5211992	CH13NA036****A	CSPH*4212A**	58PH*070-16	34,800	11.7	13.7	33,600	3.66	8.0	20,200	2.48
5211993	CH13NA036****A	CSPH*4212A**	58PH*090-16	35,000	12.2	14.0	33,400	3.74	8.2	19,900	2.54
5211994	CH13NA036****A	CSPH*4212A**	58PH*110-20	35,200	12.2	14.0	33,400	3.78	8.2	19,900	2.54
5211996	CH13NA036****A	CSPH*4212A**	58VLR105-12	34,800	12.0	13.7	33,600	3.68	8.0	20,000	2.50
5211998	CH13NA036****A	CSPH*4212A**	58VLR120-20	34,800	12.2	14.0	33,400	3.70	8.0	19,600	2.52
5211995	CH13NA036****A	CSPH*4212A**	58VMR105-12	34,400	12.0	13.7	33,400	3.62	8.0	19,700	2.46
5211997	CH13NA036****A	CSPH*4212A**	58VMR120-20	34,600	12.2	14.0	33,400	3.66	8.0	19,700	2.48
5211978	CH13NA036****A	CSPH*4212A**	59*N*A060V17**14	34,200	11.7	13.7	33,400	3.56	7.8	19,800	2.44
5211979	CH13NA036****A	CSPH*4212A**	59*N*A080V17**14	34,400	12.0	13.7	33,400	3.60	8.0	19,700	2.46
5211981	CH13NA036****A	CSPH*4212A**	59*N*A080V21**20	34,600	12.2	14.0	33,200	3.66	8.0	19,600	2.50
5211982	CH13NA036****A	CSPH*4212A**	59*N*A100V21**22	34,600	12.2	14.0	33,400	3.70	8.0	19,700	2.50

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COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
5211983	CH13NA036****A	CSPH*4212A**	59*N*A120V24**22	34,600	12.2	14.0	33,200	3.66	8.0	19,600	2.50
5211984	CH13NA036****A	CSPH*4212A**	59*P5A060E17**14	34,600	11.7	13.7	33,600	3.64	8.0	20,200	2.46
5211985	CH13NA036****A	CSPH*4212A**	59*P5A080E17**16	34,600	12.0	13.7	33,400	3.64	8.0	19,800	2.48
5211980	CH13NA036****A	CSPH*4212A**	59MN7A060V21**20	34,400	12.0	13.7	33,400	3.62	8.0	19,700	2.46
5212000	CH13NA036****A	CSPH*4212A**	CVLAAR036105	34,800	12.0	13.7	33,600	3.68	8.0	20,000	2.50
5212002	CH13NA036****A	CSPH*4212A**	CVLAAR060120	34,800	12.2	14.0	33,400	3.70	8.0	19,600	2.52
5211999	CH13NA036****A	CSPH*4212A**	CVMAAR036105	34,400	12.0	13.7	33,400	3.62	8.0	19,700	2.46
5212001	CH13NA036****A	CSPH*4212A**	CVMAAR060120	34,600	12.2	14.0	33,400	3.66	8.0	19,700	2.48
5212004	CH13NA036****A	CSPH*4212A**	OVLAAB036098	34,400	11.7	13.5	33,600	3.60	7.8	20,000	2.44
5212006	CH13NA036****A	CSPH*4212A**	OVLAAB048112	34,800	12.0	13.7	33,600	3.68	8.0	20,200	2.48
5212007	CH13NA036****A	CSPH*4212A**	OVLAAB060154	35,600	12.2	14.0	34,000	3.84	8.2	20,400	2.56
5212003	CH13NA036****A	CSPH*4212A**	OVMAAB036098	34,600	11.7	13.5	33,600	3.62	8.0	20,200	2.46
5212005	CH13NA036****A	CSPH*4212A**	OVMAAB042112	34,600	12.0	13.7	33,400	3.66	8.0	19,900	2.48
5211977	CH13NA036****A	CSPH*4212A**+TDR		35,000	11.3	13.0	34,400	3.62	8.0	21,000	2.44
5212008	CH13NA036****A	FB4CNF042		34,200	11.5	13.5	33,400	3.74	8.0	20,200	2.52
5212012	CH13NA036****A	FE4AN(B,F)003+UI		34,000	12.2	14.0	33,000	3.60	7.8	19,500	2.46
5212013	CH13NA036****A	FE4AN(B,F)005+UI		35,200	12.5	14.5	33,400	3.80	8.2	19,700	2.56
5212011	CH13NA036****A	FE4ANF002+UI		33,800	11.7	13.5	33,400	3.58	7.8	19,700	2.42
5212014	CH13NA036****A	FF1ENP037		33,800	11.2	13.0	33,800	3.48	7.7	20,400	2.38
5212016	CH13NA036****A	FV4CN(B,F)003		34,000	12.2	14.0	33,000	3.60	7.8	19,500	2.46
5213935	CH13NA036****A	FV4CN(B,F)005		35,200	12.5	14.5	33,400	3.80	8.2	19,700	2.56
5212015	CH13NA036****A	FV4CNF002		33,800	11.7	13.5	33,400	3.58	7.8	19,700	2.42
5212009	CH13NA036****A	FX4DN(B,F)037		35,200	12.2	14.0	33,600	3.76	8.2	20,000	2.54
5212010	CH13NA036****A	FX4DN(B,F)043		35,200	12.2	14.0	33,600	3.76	8.2	20,000	2.54
5212017	CH13NA042****A	†FB4CNF042		41,500	11.0	13.0	39,000	3.62	8.0	24,000	2.44
5212022	CH13NA042****A	CAP**4221A**	58CV(A,X)110-20	41,500	11.3	13.0	38,500	3.52	7.8	23,200	2.40
5212023	CH13NA042****A	CAP**4221A**	58PH*090-16	41,500	11.3	13.0	38,500	3.54	7.8	23,400	2.40
5212024	CH13NA042****A	CAP**4221A**	58PH*110-20	42,000	11.5	13.2	38,500	3.56	7.8	23,200	2.42
5212026	CH13NA042****A	CAP**4221A**	58VLR120-20	41,500	11.3	13.0	38,000	3.52	7.8	23,200	2.40
5212025	CH13NA042****A	CAP**4221A**	58VLR120-20	41,500	11.3	13.0	38,500	3.50	7.7	23,200	2.38
5212018	CH13NA042****A	CAP**4221A**	59*N*A080V21**20	41,000	11.3	13.0	38,000	3.48	7.7	23,000	2.38
5212019	CH13NA042****A	CAP**4221A**	59*N*A100V21**22	41,500	11.3	13.0	38,500	3.52	7.8	23,200	2.40
5212020	CH13NA042****A	CAP**4221A**	59*P5A080E21**20	42,000	11.3	13.0	38,500	3.54	7.8	23,400	2.40
5212021	CH13NA042****A	CAP**4221A**	59*P5A100E21**20	41,500	11.3	13.0	38,500	3.52	7.8	23,200	2.40
5212028	CH13NA042****A	CAP**4221A**	CVLAAR060120	41,500	11.3	13.0	38,000	3.52	7.8	23,200	2.40
5212027	CH13NA042****A	CAP**4221A**	CVMAAR060120	41,500	11.3	13.0	38,500	3.50	7.7	23,200	2.38
5212031	CH13NA042****A	CAP**4224A**	58CV(A,X)135-22	41,500	11.5	13.2	38,000	3.54	7.8	23,200	2.42
5212032	CH13NA042****A	CAP**4224A**	58CV(A,X)155-22	41,500	11.5	13.2	38,000	3.54	7.8	23,000	2.42
5212033	CH13NA042****A	CAP**4224A**	58PH*135-20	42,000	11.3	13.2	38,500	3.56	7.8	23,400	2.42
5212029	CH13NA042****A	CAP**4224A**	59*N*A120V24**22	41,500	11.3	13.0	38,000	3.48	7.7	23,000	2.38
5212030	CH13NA042****A	CAP**4224A**	59*P5A120E24**22	42,000	11.3	13.0	38,500	3.56	7.8	23,600	2.42
5212035	CH13NA042****A	CAP**4817A**	58CV(A,X)090-16	42,000	11.5	13.2	39,000	3.68	8.0	23,600	2.44
5212034	CH13NA042****A	CAP**4817A**	59*P5A080E17**16	42,000	11.2	13.0	39,500	3.64	8.0	24,000	2.42
5212036	CH13NA042****A	CAP**4817A**	OVMAAB042112	42,000	11.2	13.0	39,500	3.62	8.0	24,000	2.42
5212041	CH13NA042****A	CAP**4821A**	58CV(A,X)110-20	42,000	11.3	13.2	38,500	3.62	8.0	23,400	2.44
5212042	CH13NA042****A	CAP**4821A**	58PH*090-16	42,000	11.5	13.2	38,500	3.64	8.0	23,600	2.44
5212043	CH13NA042****A	CAP**4821A**	58PH*110-20	42,000	11.5	13.2	38,500	3.64	8.0	23,400	2.46
5212045	CH13NA042****A	CAP**4821A**	58VLR120-20	42,000	11.5	13.2	38,500	3.60	7.8	23,400	2.44
5212044	CH13NA042****A	CAP**4821A**	58VLR120-20	42,000	11.3	13.2	38,500	3.58	7.8	23,400	2.42
5212037	CH13NA042****A	CAP**4821A**	59*N*A080V21**20	42,000	11.3	13.2	38,500	3.58	7.8	23,400	2.42
5212038	CH13NA042****A	CAP**4821A**	59*N*A100V21**22	42,000	11.5	13.2	38,500	3.62	8.0	23,400	2.44
5212039	CH13NA042****A	CAP**4821A**	59*P5A080E21**20	42,000	11.3	13.2	39,000	3.64	8.0	23,600	2.44
5212040	CH13NA042****A	CAP**4821A**	59*P5A100E21**20	42,000	11.5	13.2	38,500	3.62	7.8	23,400	2.44
5212047	CH13NA042****A	CAP**4821A**	CVLAAR060120	42,000	11.5	13.2	38,500	3.60	7.8	23,400	2.44
5212046	CH13NA042****A	CAP**4821A**	CVMAAR060120	42,000	11.3	13.2	38,500	3.58	7.8	23,400	2.42
5212050	CH13NA042****A	CAP**4824A**	58CV(A,X)135-22	42,000	11.7	13.5	38,500	3.66	8.0	23,200	2.46
5212051	CH13NA042****A	CAP**4824A**	58CV(A,X)155-22	42,000	11.7	13.5	38,500	3.64	8.0	23,200	2.46
5212052	CH13NA042****A	CAP**4824A**	58PH*135-20	42,000	11.5	13.2	39,000	3.66	8.0	23,600	2.46
5212048	CH13NA042****A	CAP**4824A**	59*N*A120V24**22	42,000	11.5	13.2	38,500	3.58	7.8	23,200	2.42
5212049	CH13NA042****A	CAP**4824A**	59*P5A120E24**22	42,000	11.5	13.2	39,000	3.66	8.0	23,800	2.46
5212082	CH13NA042****A	CNPH*4221A**	58CV(A,X)110-20	41,500	11.2	13.0	38,500	3.50	7.8	23,400	2.38
5212083	CH13NA042****A	CNPH*4221A**	58PH*090-16	41,500	11.3	13.0	38,500	3.52	7.8	23,400	2.40
5212084	CH13NA042****A	CNPH*4221A**	58PH*110-20	41,500	11.3	13.2	38,500	3.54	7.8	23,200	2.40
5212085	CH13NA042****A	CNPH*4221A**	58VLR120-20	41,500	11.3	13.0	38,500	3.50	7.8	23,200	2.38
5212079	CH13NA042****A	CNPH*4221A**	59*N*A100V21**22	41,500	11.3	13.0	38,500	3.52	7.8	23,400	2.40
5212080	CH13NA042****A	CNPH*4221A**	59*P5A080E21**20	41,500	11.2	13.0	38,500	3.52	7.8	23,600	2.40
5212081	CH13NA042****A	CNPH*4221A**	59*P5A100E21**20	41,500	11.3	13.0	38,500	3.50	7.7	23,200	2.38
5212086	CH13NA042****A	CNPH*4221A**	CVLAAR060120	41,500	11.3	13.0	38,500	3.50	7.8	23,200	2.38
5212092	CH13NA042****A	CNPH*4821A**	58CV(A,X)110-20	42,000	11.5	13.2	38,500	3.64	8.0	23,400	2.44
5212093	CH13NA042****A	CNPH*4821A**	58PH*090-16	42,000	11.5	13.5	39,000	3.66	8.0	23,600	2.46
5212094	CH13NA042****A	CNPH*4821A**	58PH*110-20	42,000	11.7	13.5	38,500	3.68	8.0	23,400	2.48
5212096	CH13NA042****A	CNPH*4821A**	58VLR120-20	42,000	11.5	13.2	38,500	3.62	8.0	23,400	2.44
5212095	CH13NA042****A	CNPH*4821A**	58VLR120-20	42,000	11.5	13.2	38,500	3.60	7.8	23,400	2.44
5212088	CH13NA042****A	CNPH*4821A**	59*N*A080V21**20	42,000	11.5	13.2	38,500	3.58	7.8	23,200	2.42
5212089	CH13NA042****A	CNPH*4821A**	59*N*A100V21**22	42,000	11.5	13.5	38,500	3.64	8.0	23,400	2.46
5212090	CH13NA042****A	CNPH*4821A**	59*P5A080E21**20	42,000	11.5	13.2	39,000	3.66	8.0	23,600	2.46
5212091	CH13NA042****A	CNPH*4821A**	59*P5A100E21**20	42,000	11.5	13.2	38,500	3.64	8.0	23,400	2.46

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COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-6°C)	COP
5212087	CH13NA042****A	CNPH*4821A**	59MN7A060V21**20	42,000	11.3	13.0	38,500	3.54	7.8	23,400	2.40
5212098	CH13NA042****A	CNPH*4821A**	CVLAAR060120	42,000	11.5	13.2	38,500	3.62	8.0	23,400	2.44
5212097	CH13NA042****A	CNPH*4821A**	CVMAAR060120	42,000	11.5	13.2	38,500	3.60	7.8	23,400	2.44
5212053	CH13NA042****A	CNPV*4217A**	58CV(A,X)090-16	42,000	11.3	13.0	38,500	3.56	7.8	23,400	2.40
5212057	CH13NA042****A	CNPV*4221A**	58CV(A,X)110-20	41,500	11.2	13.0	38,500	3.50	7.8	23,400	2.38
5212058	CH13NA042****A	CNPV*4221A**	58PH*090-16	41,500	11.3	13.0	38,500	3.52	7.8	23,400	2.40
5212059	CH13NA042****A	CNPV*4221A**	58PH*110-20	41,500	11.3	13.2	38,500	3.54	7.8	23,200	2.40
5212060	CH13NA042****A	CNPV*4221A**	58VLR120-20	41,500	11.3	13.0	38,500	3.50	7.8	23,200	2.38
5212054	CH13NA042****A	CNPV*4221A**	59*N*A100V21**22	41,500	11.3	13.0	38,500	3.52	7.8	23,400	2.40
5212055	CH13NA042****A	CNPV*4221A**	59*P5A080E21**20	41,500	11.2	13.0	38,500	3.52	7.8	23,600	2.40
5212056	CH13NA042****A	CNPV*4221A**	59*P5A100E21**20	41,500	11.3	13.0	38,500	3.50	7.7	23,200	2.38
5212061	CH13NA042****A	CNPV*4221A**	CVLAAR060120	41,500	11.3	13.0	38,500	3.50	7.8	23,200	2.38
5212067	CH13NA042****A	CNPV*4821A**	58CV(A,X)110-20	42,000	11.5	13.2	38,500	3.64	8.0	23,400	2.44
5212068	CH13NA042****A	CNPV*4821A**	58PH*090-16	42,000	11.5	13.5	39,000	3.66	8.0	23,600	2.46
5212069	CH13NA042****A	CNPV*4821A**	58PH*110-20	42,000	11.7	13.5	38,500	3.68	8.0	23,400	2.48
5212071	CH13NA042****A	CNPV*4821A**	58VLR120-20	42,000	11.5	13.2	38,500	3.62	8.0	23,400	2.44
5212070	CH13NA042****A	CNPV*4821A**	58VMR120-20	42,000	11.5	13.2	38,500	3.60	7.8	23,400	2.44
5212063	CH13NA042****A	CNPV*4821A**	59*N*A080V21**20	42,000	11.5	13.2	38,500	3.58	7.8	23,200	2.42
5212064	CH13NA042****A	CNPV*4821A**	59*N*A100V21**22	42,000	11.5	13.5	38,500	3.64	8.0	23,400	2.46
5212065	CH13NA042****A	CNPV*4821A**	59*P5A080E21**20	42,000	11.5	13.2	39,000	3.66	8.0	23,600	2.46
5212066	CH13NA042****A	CNPV*4821A**	59*P5A100E21**20	42,000	11.5	13.2	38,500	3.64	8.0	23,400	2.46
5212062	CH13NA042****A	CNPV*4821A**	59MN7A060V21**20	42,000	11.3	13.0	38,500	3.54	7.8	23,400	2.40
5212073	CH13NA042****A	CNPV*4821A**	CVLAAR060120	42,000	11.5	13.2	38,500	3.62	8.0	23,400	2.44
5212072	CH13NA042****A	CNPV*4821A**	CVMAAR060120	42,000	11.5	13.2	38,500	3.60	7.8	23,400	2.44
5212076	CH13NA042****A	CNPV*4824A**	58CV(A,X)135-22	42,000	11.7	13.5	38,500	3.66	8.0	23,400	2.46
5212077	CH13NA042****A	CNPV*4824A**	58CV(A,X)155-22	42,000	11.7	13.5	38,500	3.66	8.0	23,200	2.46
5212078	CH13NA042****A	CNPV*4824A**	58PH*135-20	42,000	11.5	13.5	39,000	3.66	8.0	23,600	2.46
5212074	CH13NA042****A	CNPV*4824A**	59*N*A120V24**22	42,000	11.5	13.2	38,500	3.60	7.8	23,200	2.44
5212075	CH13NA042****A	CNPV*4824A**	59*P5A120E24**22	42,000	11.5	13.2	39,000	3.68	8.0	23,800	2.46
5212108	CH13NA042****A	CSPH*4212A**	58CV(A,X)070-12	42,000	11.2	13.0	39,000	3.56	7.8	23,800	2.40
5212109	CH13NA042****A	CSPH*4212A**	58CV(A,X)090-16	42,000	11.5	13.2	38,500	3.62	8.0	23,400	2.44
5212110	CH13NA042****A	CSPH*4212A**	58CV(A,X)110-20	42,000	11.5	13.2	38,500	3.62	8.0	23,600	2.44
5212111	CH13NA042****A	CSPH*4212A**	58CV(A,X)135-22	42,000	11.7	13.5	38,500	3.64	8.0	23,400	2.46
5212112	CH13NA042****A	CSPH*4212A**	58CV(A,X)155-22	42,000	11.7	13.5	38,500	3.64	8.0	23,400	2.46
5212113	CH13NA042****A	CSPH*4212A**	58PH*090-16	42,000	11.5	13.2	38,500	3.64	8.0	23,600	2.44
5212114	CH13NA042****A	CSPH*4212A**	58PH*110-20	42,000	11.7	13.5	38,500	3.66	8.0	23,400	2.46
5212115	CH13NA042****A	CSPH*4212A**	58PH*135-20	42,000	11.5	13.2	38,500	3.64	8.0	23,600	2.46
5212117	CH13NA042****A	CSPH*4212A**	58VLR120-20	42,000	11.5	13.2	38,500	3.62	8.0	23,400	2.44
5212116	CH13NA042****A	CSPH*4212A**	58VMR120-20	42,000	11.5	13.2	38,500	3.60	7.8	23,400	2.42
5212099	CH13NA042****A	CSPH*4212A**	59*N*A080V17**14	42,000	11.2	13.0	38,500	3.54	7.8	23,600	2.38
5212101	CH13NA042****A	CSPH*4212A**	59*N*A080V21**20	42,000	11.5	13.2	38,500	3.58	7.8	23,400	2.42
5212102	CH13NA042****A	CSPH*4212A**	59*N*A100V21**22	42,000	11.5	13.2	38,500	3.64	8.0	23,600	2.44
5212103	CH13NA042****A	CSPH*4212A**	59*N*A120V24**22	42,000	11.5	13.2	38,500	3.58	7.8	23,400	2.42
5212104	CH13NA042****A	CSPH*4212A**	59*P5A080E17**16	42,000	11.2	13.0	39,000	3.58	7.8	24,000	2.40
5212105	CH13NA042****A	CSPH*4212A**	59*P5A080E21**20	42,000	11.5	13.2	39,000	3.64	8.0	23,600	2.44
5212106	CH13NA042****A	CSPH*4212A**	59*P5A100E21**20	42,000	11.5	13.2	38,500	3.62	8.0	23,400	2.44
5212107	CH13NA042****A	CSPH*4212A**	59*P5A120E24**22	42,000	11.5	13.2	39,000	3.66	8.0	23,800	2.44
5212100	CH13NA042****A	CSPH*4212A**	59MN7A060V21**20	42,000	11.3	13.0	38,500	3.54	7.8	23,400	2.40
5212119	CH13NA042****A	CSPH*4212A**	CVLAAR060120	42,000	11.5	13.2	38,500	3.62	8.0	23,400	2.44
5212118	CH13NA042****A	CSPH*4212A**	CVMAAR060120	42,000	11.5	13.2	38,500	3.60	7.8	23,400	2.42
5212121	CH13NA042****A	CSPH*4212A**	OVLAAB060154	42,000	11.5	13.2	39,500	3.72	8.2	24,200	2.46
5212120	CH13NA042****A	CSPH*4212A**	OVMAAB042112	42,000	11.2	13.0	39,000	3.58	7.8	23,800	2.40
5212131	CH13NA042****A	CSPH*4812A**	58CV(A,X)070-12	42,000	11.3	13.0	39,000	3.58	7.8	23,800	2.40
5212132	CH13NA042****A	CSPH*4812A**	58CV(A,X)090-16	42,000	11.5	13.2	39,000	3.64	8.0	23,600	2.44
5212133	CH13NA042****A	CSPH*4812A**	58CV(A,X)110-20	42,000	11.5	13.2	39,000	3.64	8.0	23,600	2.46
5212134	CH13NA042****A	CSPH*4812A**	58CV(A,X)135-22	42,000	11.7	13.5	38,500	3.68	8.0	23,400	2.46
5212135	CH13NA042****A	CSPH*4812A**	58CV(A,X)155-22	42,000	11.7	13.5	38,500	3.68	8.0	23,400	2.46
5212136	CH13NA042****A	CSPH*4812A**	58PH*090-16	42,000	11.5	13.5	39,000	3.66	8.0	23,600	2.46
5212137	CH13NA042****A	CSPH*4812A**	58PH*110-20	42,000	11.7	13.5	38,500	3.68	8.0	23,400	2.48
5212138	CH13NA042****A	CSPH*4812A**	58PH*135-20	42,000	11.5	13.5	39,000	3.66	8.0	23,600	2.46
5212140	CH13NA042****A	CSPH*4812A**	58VLR120-20	42,000	11.5	13.5	38,500	3.64	8.0	23,400	2.44
5212139	CH13NA042****A	CSPH*4812A**	58VMR120-20	42,000	11.5	13.2	38,500	3.62	8.0	23,400	2.44
5212122	CH13NA042****A	CSPH*4812A**	59*N*A080V17**14	42,000	11.3	13.0	39,000	3.56	7.8	23,600	2.40
5212124	CH13NA042****A	CSPH*4812A**	59*N*A080V21**20	42,000	11.5	13.2	38,500	3.60	7.8	23,400	2.44
5212125	CH13NA042****A	CSPH*4812A**	59*N*A100V21**22	42,000	11.5	13.5	39,000	3.66	8.0	23,600	2.46
5212126	CH13NA042****A	CSPH*4812A**	59*N*A120V24**22	42,000	11.5	13.2	38,500	3.60	7.8	23,400	2.44
5212127	CH13NA042****A	CSPH*4812A**	59*P5A080E17**16	42,000	11.3	13.0	39,500	3.60	8.0	24,000	2.42
5212128	CH13NA042****A	CSPH*4812A**	59*P5A080E21**20	42,000	11.5	13.2	39,000	3.66	8.0	23,800	2.46
5212129	CH13NA042****A	CSPH*4812A**	59*P5A100E21**20	42,000	11.5	13.5	38,500	3.64	8.0	23,400	2.46
5212130	CH13NA042****A	CSPH*4812A**	59*P5A120E24**22	42,000	11.5	13.2	39,000	3.68	8.0	23,800	2.46
5212123	CH13NA042****A	CSPH*4812A**	59MN7A060V21**20	42,000	11.3	13.0	38,500	3.56	7.8	23,600	2.40
5212142	CH13NA042****A	CSPH*4812A**	CVLAAR060120	42,000	11.5	13.5	38,500	3.64	8.0	23,400	2.44
5212141	CH13NA042****A	CSPH*4812A**	CVMAAR060120	42,000	11.5	13.2	38,500	3.62	8.0	23,400	2.44
5212144	CH13NA042****A	CSPH*4812A**	OVLAAB060154	42,000	11.5	13.2	39,500	3.74	8.2	24,400	2.48
5212143	CH13NA042****A	CSPH*4812A**	OVMAAB042112	42,000	11.3	13.0	39,000	3.60	7.8	23,800	2.42
5212145	CH13NA042****A	FB4CNF048		41,500	11.0	13.0	39,000	3.64	8.0	23,800	2.44
5212148	CH13NA042****A	FE4AN(B,F)003+UI		41,500	11.3	13.2	38,000	3.54	7.8	23,200	2.38
5212149	CH13NA042****A	FE4AN(B,F)005+UI		42,000	11.7	13.7	38,500	3.74	8.2	23,400	2.50

CH13NA

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COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (-8°C)	COP
5212150	CH13NA042****A	FV4CN(B,F)003		41,500	11.3	13.2	38,000	3.54	7.8	23,200	2.38
5212151	CH13NA042****A	FV4CN(B,F)005		42,000	11.7	13.7	38,500	3.74	8.2	23,400	2.50
5212146	CH13NA042****A	FX4DN(B,F)043		42,000	11.3	13.2	39,000	3.64	8.0	23,800	2.44
5212147	CH13NA042****A	FX4DN(B,F)049		42,000	11.7	13.7	39,000	3.80	8.2	23,800	2.52
5212152	CH13NA048****A	†FB4CNF048		47,000	11.0	13.0	45,000	3.58	8.0	28,200	2.50
5212155	CH13NA048****A	CAP**4817A**	58CV(A,X)090-16	47,000	11.5	13.2	45,000	3.58	8.0	27,800	2.50
5212154	CH13NA048****A	CAP**4817A**	59*P5A080E17**16	46,500	11.2	13.0	45,500	3.52	7.8	28,200	2.46
5212153	CH13NA048****A	CAP**4817A**+TDR		47,000	11.3	13.0	45,500	3.56	7.8	28,200	2.48
5212161	CH13NA048****A	CAP**4821A**	58CV(A,X)110-20	46,500	11.5	13.2	44,500	3.56	7.8	27,600	2.50
5212162	CH13NA048****A	CAP**4821A**	58PH*090-16	47,000	11.5	13.5	45,000	3.58	8.0	27,800	2.52
5212163	CH13NA048****A	CAP**4821A**	58PH*110-20	47,000	11.7	13.7	44,500	3.60	8.0	27,400	2.54
5212165	CH13NA048****A	CAP**4821A**	58VLR120-20	46,500	11.5	13.5	44,500	3.56	7.8	27,600	2.50
5212164	CH13NA048****A	CAP**4821A**	58VLR120-20	46,500	11.5	13.2	44,500	3.54	7.8	27,800	2.50
5212157	CH13NA048****A	CAP**4821A**	59*N*A080V21**20	46,500	11.5	13.5	44,500	3.54	8.0	27,400	2.50
5212158	CH13NA048****A	CAP**4821A**	59*N*A100V21**22	46,500	11.7	13.5	44,500	3.58	8.0	27,600	2.52
5212159	CH13NA048****A	CAP**4821A**	59*P5A080E21**20	47,000	11.5	13.2	45,000	3.58	8.0	27,800	2.50
5212160	CH13NA048****A	CAP**4821A**	59*P5A100E21**20	46,500	11.5	13.5	44,500	3.58	8.0	27,600	2.52
5212156	CH13NA048****A	CAP**4821A**	59MN7A060V21**20	46,000	11.3	13.2	44,500	3.48	7.8	27,600	2.46
5212167	CH13NA048****A	CAP**4821A**	CVLAAR060120	46,500	11.5	13.5	44,500	3.56	7.8	27,600	2.50
5212166	CH13NA048****A	CAP**4821A**	CVMAAR060120	46,500	11.5	13.2	44,500	3.54	7.8	27,800	2.50
5212170	CH13NA048****A	CAP**4824A**	58CV(A,X)135-22	47,000	11.7	13.7	44,500	3.60	8.0	27,400	2.54
5212171	CH13NA048****A	CAP**4824A**	58CV(A,X)155-22	47,000	11.7	13.7	44,500	3.64	8.2	27,400	2.56
5212172	CH13NA048****A	CAP**4824A**	58PH*135-20	47,000	11.7	13.5	44,500	3.62	8.0	27,600	2.54
5212168	CH13NA048****A	CAP**4824A**	59*N*A120V24**22	46,500	11.7	13.5	44,500	3.54	8.0	27,400	2.50
5212169	CH13NA048****A	CAP**4824A**	59*P5A120E24**22	47,000	11.5	13.5	45,000	3.60	8.0	27,800	2.52
5212179	CH13NA048****A	CAP**6021A**	58CV(A,X)110-20	47,500	11.7	13.7	45,000	3.62	8.0	27,600	2.54
5212180	CH13NA048****A	CAP**6021A**	58PH*090-16	48,000	11.7	13.7	45,000	3.64	8.0	27,800	2.56
5212181	CH13NA048****A	CAP**6021A**	58PH*110-20	48,000	12.0	14.0	44,500	3.68	8.0	27,600	2.58
5212183	CH13NA048****A	CAP**6021A**	58VLR120-20	47,500	11.7	13.7	44,500	3.64	8.0	27,600	2.54
5212182	CH13NA048****A	CAP**6021A**	58VLR120-20	47,500	11.7	13.7	45,000	3.60	8.0	27,800	2.52
5212175	CH13NA048****A	CAP**6021A**	59*N*A080V21**20	47,500	11.7	13.7	44,500	3.60	8.0	27,400	2.54
5212176	CH13NA048****A	CAP**6021A**	59*N*A100V21**22	47,500	11.7	13.7	44,500	3.64	8.0	27,600	2.56
5212177	CH13NA048****A	CAP**6021A**	59*P5A080E21**20	48,000	11.7	13.7	45,000	3.64	8.0	27,800	2.54
5212178	CH13NA048****A	CAP**6021A**	59*P5A100E21**20	48,000	11.7	13.7	45,000	3.64	8.0	27,800	2.54
5212174	CH13NA048****A	CAP**6021A**	59MN7A060V21**20	47,000	11.5	13.5	44,500	3.54	7.8	27,600	2.50
5212185	CH13NA048****A	CAP**6021A**	CVLAAR060120	47,500	11.7	13.7	44,500	3.64	8.0	27,600	2.54
5212184	CH13NA048****A	CAP**6021A**	CVMAAR060120	47,500	11.7	13.7	45,000	3.60	8.0	27,800	2.52
5212186	CH13NA048****A	CAP**6021A**	OVLAAB048112	47,500	11.3	13.0	45,500	3.56	7.8	28,400	2.48
5212173	CH13NA048****A	CAP**6021A**+TDR		48,000	11.3	13.2	46,000	3.62	8.0	28,800	2.50
5212190	CH13NA048****A	CAP**6024A**	58CV(A,X)135-22	48,000	12.0	14.0	44,500	3.66	8.0	27,600	2.56
5212191	CH13NA048****A	CAP**6024A**	58CV(A,X)155-22	48,000	12.0	14.0	44,500	3.68	8.2	27,400	2.58
5212192	CH13NA048****A	CAP**6024A**	58PH*135-20	48,000	11.7	13.7	45,000	3.66	8.0	27,800	2.56
5212188	CH13NA048****A	CAP**6024A**	59*N*A120V24**22	47,500	11.7	13.7	44,500	3.60	8.0	27,400	2.54
5212189	CH13NA048****A	CAP**6024A**	59*P5A120E24**22	48,000	11.7	13.7	45,000	3.66	8.0	27,800	2.56
5212187	CH13NA048****A	CAP**6024A**+TDR		48,000	11.3	13.2	46,000	3.62	8.0	28,800	2.50
5212196	CH13NA048****A	CAP**6025A**	58CV(A,X)135-22	48,000	12.0	14.0	44,500	3.66	8.0	27,600	2.56
5212197	CH13NA048****A	CAP**6025A**	58CV(A,X)155-22	48,000	12.0	14.0	44,500	3.68	8.2	27,400	2.58
5212198	CH13NA048****A	CAP**6025A**	58PH*135-20	48,000	11.7	13.7	45,000	3.66	8.0	27,800	2.56
5212194	CH13NA048****A	CAP**6025A**	59*N*A120V24**22	47,500	11.7	13.7	44,500	3.60	8.0	27,400	2.54
5212195	CH13NA048****A	CAP**6025A**	59*P5A120E24**22	48,000	11.7	13.7	45,000	3.66	8.0	27,800	2.56
5212193	CH13NA048****A	CAP**6025A**+TDR		48,000	11.3	13.2	46,000	3.62	8.0	28,800	2.50
5212227	CH13NA048****A	CNPH*4821A**	58CV(A,X)110-20	47,000	11.7	13.5	44,500	3.58	8.0	27,600	2.52
5212228	CH13NA048****A	CNPH*4821A**	58PH*090-16	47,000	11.7	13.5	45,000	3.60	8.0	27,800	2.52
5212229	CH13NA048****A	CNPH*4821A**	58PH*110-20	47,000	11.7	13.7	44,500	3.64	8.2	27,400	2.54
5212231	CH13NA048****A	CNPH*4821A**	58VLR120-20	47,000	11.7	13.7	44,500	3.58	8.0	27,400	2.52
5212230	CH13NA048****A	CNPH*4821A**	58VLR120-20	47,000	11.5	13.5	44,500	3.56	7.8	27,600	2.50
5212223	CH13NA048****A	CNPH*4821A**	59*N*A080V21**20	46,500	11.7	13.5	44,000	3.54	8.0	27,200	2.50
5212224	CH13NA048****A	CNPH*4821A**	59*N*A100V21**22	47,000	11.7	13.7	44,500	3.60	8.0	27,400	2.52
5212225	CH13NA048****A	CNPH*4821A**	59*P5A080E21**20	47,000	11.7	13.5	45,000	3.60	8.0	27,800	2.52
5212226	CH13NA048****A	CNPH*4821A**	59*P5A100E21**20	47,000	11.7	13.5	44,500	3.60	8.0	27,600	2.52
5212222	CH13NA048****A	CNPH*4821A**	59MN7A060V21**20	46,500	11.5	13.2	44,500	3.50	7.8	27,400	2.48
5212233	CH13NA048****A	CNPH*4821A**	CVLAAR060120	47,000	11.7	13.7	44,500	3.58	8.0	27,400	2.52
5212232	CH13NA048****A	CNPH*4821A**	CVMAAR060120	47,000	11.5	13.5	44,500	3.56	7.8	27,600	2.50
5212237	CH13NA048****A	CNPH*6024A**	58CV(A,X)135-22	48,000	12.0	14.0	44,500	3.66	8.0	27,400	2.58
5212238	CH13NA048****A	CNPH*6024A**	58CV(A,X)155-22	48,000	12.2	14.0	44,500	3.68	8.2	27,400	2.58
5212239	CH13NA048****A	CNPH*6024A**	58PH*135-20	48,000	12.0	13.7	45,000	3.68	8.0	27,800	2.56
5212235	CH13NA048****A	CNPH*6024A**	59*N*A120V24**22	47,500	11.7	13.7	44,500	3.60	8.0	27,400	2.54
5212236	CH13NA048****A	CNPH*6024A**	59*P5A120E24**22	48,000	11.7	13.7	45,000	3.66	8.0	27,800	2.56
5212234	CH13NA048****A	CNPH*6024A**+TDR		48,000	11.3	13.2	46,000	3.60	8.0	28,800	2.50
5212204	CH13NA048****A	CNPV*4821A**	58CV(A,X)110-20	47,000	11.7	13.5	44,500	3.58	8.0	27,600	2.52
5212205	CH13NA048****A	CNPV*4821A**	58PH*090-16	47,000	11.7	13.5	45,000	3.60	8.0	27,800	2.52
5212206	CH13NA048****A	CNPV*4821A**	58PH*110-20	47,000	11.7	13.7	44,500	3.64	8.2	27,400	2.54
5212208	CH13NA048****A	CNPV*4821A**	58VLR120-20	47,000	11.7	13.7	44,500	3.58	8.0	27,400	2.52
5212207	CH13NA048****A	CNPV*4821A**	58VLR120-20	47,000	11.5	13.5	44,500	3.56	7.8	27,600	2.50
5212200	CH13NA048****A	CNPV*4821A**	59*N*A080V21**20	46,500	11.7	13.5	44,000	3.54	8.0	27,200	2.50
5212201	CH13NA048****A	CNPV*4821A**	59*N*A100V21**22	47,000	11.7	13.7	44,500	3.60	8.0	27,400	2.52
5212202	CH13NA048****A	CNPV*4821A**	59*P5A080E21**20	47,000	11.7	13.5	45,000	3.60	8.0	27,800	2.52

See notes on page 19

COMBINATION RATINGS CONTINUED

AHRI Ref. No.	Model Number	Coil Model Number	Furnace Model Number	Cooling Capacity	EER	SEER	High Temp		HSPF	Low Temp	
							Capacity 47°F (8°C)	COP		Capacity 17°F (–8°C)	COP
5212203	CH13NA048****A	CNPV*4821A**	59P5A100E21**20	47,000	11.7	13.5	44,500	3.60	8.0	27,600	2.52
5212199	CH13NA048****A	CNPV*4821A**	59MN7A060V21**20	46,500	11.5	13.2	44,500	3.50	7.8	27,400	2.48
5212210	CH13NA048****A	CNPV*4821A**	CVLAAR060120	47,000	11.7	13.7	44,500	3.58	8.0	27,400	2.52
5212209	CH13NA048****A	CNPV*4821A**	CVMAAR060120	47,000	11.5	13.5	44,500	3.56	7.8	27,600	2.50
5212213	CH13NA048****A	CNPV*4824A**	58CV(A,X)135–22	47,000	11.7	13.7	44,500	3.62	8.0	27,400	2.54
5212214	CH13NA048****A	CNPV*4824A**	58CV(A,X)155–22	47,000	12.0	13.7	44,500	3.64	8.2	27,400	2.56
5212215	CH13NA048****A	CNPV*4824A**	58PH*135–20	47,000	11.7	13.7	44,500	3.62	8.0	27,600	2.54
5212211	CH13NA048****A	CNPV*4824A**	59*N*A120V24**22	46,500	11.7	13.5	44,500	3.56	8.0	27,400	2.50
5212212	CH13NA048****A	CNPV*4824A**	59P5A120E24**22	47,000	11.7	13.5	45,000	3.60	8.0	27,800	2.52
5212219	CH13NA048****A	CNPV*6024A**	58CV(A,X)135–22	48,000	12.0	14.0	44,500	3.66	8.0	27,400	2.58
5212220	CH13NA048****A	CNPV*6024A**	58CV(A,X)155–22	48,000	12.2	14.0	44,500	3.68	8.2	27,400	2.58
5212221	CH13NA048****A	CNPV*6024A**	58PH*135–20	48,000	12.0	13.7	45,000	3.68	8.0	27,800	2.56
5212217	CH13NA048****A	CNPV*6024A**	59*N*A120V24**22	47,500	11.7	13.7	44,500	3.60	8.0	27,400	2.54
5212218	CH13NA048****A	CNPV*6024A**	59P5A120E24**22	48,000	11.7	13.7	45,000	3.66	8.0	27,800	2.56
5212216	CH13NA048****A	CNPV*6024A**+TDR		48,000	11.3	13.2	46,000	3.60	8.0	28,800	2.50
5212249	CH13NA048****A	CSPH*4812A**	58CV(A,X)090–16	47,000	11.5	13.5	45,000	3.58	8.0	27,800	2.52
5212250	CH13NA048****A	CSPH*4812A**	58CV(A,X)110–20	47,000	11.7	13.5	45,000	3.60	8.0	27,800	2.52
5212251	CH13NA048****A	CSPH*4812A**	58CV(A,X)135–22	47,500	11.7	13.7	44,500	3.62	8.0	27,600	2.54
5212252	CH13NA048****A	CSPH*4812A**	58CV(A,X)155–22	47,500	12.0	13.7	44,500	3.66	8.0	27,400	2.56
5212253	CH13NA048****A	CSPH*4812A**	58PH*090–16	47,500	11.7	13.5	45,000	3.62	8.0	27,800	2.52
5212254	CH13NA048****A	CSPH*4812A**	58PH*110–20	47,500	11.7	13.7	44,500	3.64	8.0	27,400	2.54
5212255	CH13NA048****A	CSPH*4812A**	58PH*135–20	47,500	11.7	13.7	44,500	3.62	8.0	27,600	2.54
5212257	CH13NA048****A	CSPH*4812A**	58VLR120–20	47,500	11.7	13.7	44,500	3.60	8.0	27,600	2.52
5212256	CH13NA048****A	CSPH*4812A**	58VMR120–20	47,000	11.5	13.5	45,000	3.58	8.0	27,800	2.50
5212242	CH13NA048****A	CSPH*4812A**	59*N*A080V21**20	47,000	11.7	13.7	44,500	3.58	8.0	27,400	2.52
5212243	CH13NA048****A	CSPH*4812A**	59*N*A100V21**22	47,500	11.7	13.7	44,500	3.62	8.0	27,600	2.54
5212244	CH13NA048****A	CSPH*4812A**	59*N*A120V24**22	47,000	11.7	13.5	44,500	3.58	8.0	27,400	2.52
5212245	CH13NA048****A	CSPH*4812A**	59P5A080E17**16	47,000	11.3	13.0	45,000	3.52	7.8	28,200	2.46
5212246	CH13NA048****A	CSPH*4812A**	59P5A080E21**20	47,500	11.7	13.5	45,000	3.62	8.0	27,800	2.52
5212247	CH13NA048****A	CSPH*4812A**	59P5A100E21**20	47,500	11.7	13.7	44,500	3.60	8.0	27,600	2.52
5212248	CH13NA048****A	CSPH*4812A**	59P5A120E24**22	47,500	11.7	13.5	45,000	3.62	8.0	27,800	2.52
5212241	CH13NA048****A	CSPH*4812A**	59MN7A060V21**20	46,500	11.5	13.2	44,500	3.52	7.8	27,600	2.48
5212259	CH13NA048****A	CSPH*4812A**	CVLAAR060120	47,500	11.7	13.7	44,500	3.60	8.0	27,600	2.52
5212258	CH13NA048****A	CSPH*4812A**	CVMAAR060120	47,000	11.5	13.5	45,000	3.58	8.0	27,800	2.50
5212260	CH13NA048****A	CSPH*4812A**	OVLAAB060154	48,000	11.3	13.2	46,000	3.66	8.0	28,800	2.52
5212240	CH13NA048****A	CSPH*4812A**+TDR		48,000	11.3	13.0	46,000	3.60	8.0	28,800	2.50
5212270	CH13NA048****A	CSPH*6012A**	58CV(A,X)090–16	48,000	11.7	13.7	45,000	3.64	8.0	27,600	2.54
5212271	CH13NA048****A	CSPH*6012A**	58CV(A,X)110–20	48,000	12.0	13.7	45,000	3.66	8.0	27,600	2.56
5212272	CH13NA048****A	CSPH*6012A**	58CV(A,X)135–22	48,000	12.0	14.0	44,500	3.70	8.2	27,600	2.58
5212273	CH13NA048****A	CSPH*6012A**	58CV(A,X)155–22	48,000	12.2	14.0	44,500	3.72	8.2	27,400	2.60
5212274	CH13NA048****A	CSPH*6012A**	58PH*090–16	48,000	11.7	13.7	45,000	3.70	8.2	27,800	2.56
5212275	CH13NA048****A	CSPH*6012A**	58PH*110–20	48,000	12.0	14.0	45,000	3.72	8.2	27,600	2.60
5212276	CH13NA048****A	CSPH*6012A**	58PH*135–20	48,000	12.0	14.0	45,000	3.72	8.2	27,800	2.58
5212278	CH13NA048****A	CSPH*6012A**	58VLR120–20	48,000	12.0	14.0	44,500	3.68	8.0	27,600	2.56
5212277	CH13NA048****A	CSPH*6012A**	58VMR120–20	48,000	11.7	13.7	45,000	3.64	8.0	27,800	2.54
5212263	CH13NA048****A	CSPH*6012A**	59*N*A080V21**20	47,500	12.0	13.7	44,500	3.62	8.0	27,400	2.54
5212264	CH13NA048****A	CSPH*6012A**	59*N*A100V21**22	48,000	12.0	14.0	44,500	3.68	8.0	27,600	2.58
5212265	CH13NA048****A	CSPH*6012A**	59*N*A120V24**22	47,500	12.0	13.7	44,500	3.62	8.0	27,400	2.56
5212266	CH13NA048****A	CSPH*6012A**	59P5A080E17**16	47,500	11.3	13.2	45,000	3.58	8.0	28,200	2.50
5212267	CH13NA048****A	CSPH*6012A**	59P5A080E21**20	48,000	11.7	13.7	45,000	3.68	8.2	27,800	2.56
5212268	CH13NA048****A	CSPH*6012A**	59P5A100E21**20	48,000	12.0	13.7	45,000	3.68	8.2	27,800	2.56
5212269	CH13NA048****A	CSPH*6012A**	59P5A120E24**22	48,000	11.7	13.7	45,000	3.70	8.2	27,800	2.56
5212262	CH13NA048****A	CSPH*6012A**	59MN7A060V21**20	47,500	11.7	13.5	44,500	3.56	7.8	27,600	2.50
5212280	CH13NA048****A	CSPH*6012A**	CVLAAR060120	48,000	12.0	14.0	44,500	3.68	8.0	27,600	2.56
5212279	CH13NA048****A	CSPH*6012A**	CVMAAR060120	48,000	11.7	13.7	45,000	3.64	8.0	27,800	2.54
5212281	CH13NA048****A	CSPH*6012A**	OVLAAB048112	48,000	11.3	13.2	45,000	3.60	8.0	28,400	2.50
5212282	CH13NA048****A	CSPH*6012A**	OVLAAB060154	48,000	11.7	13.7	46,000	3.74	8.2	28,600	2.58
5212261	CH13NA048****A	CSPH*6012A**+TDR		48,000	11.3	13.2	46,000	3.66	8.0	28,800	2.52
5212283	CH13NA048****A	FB4CNF060		47,500	11.5	13.5	45,000	3.68	8.0	28,200	2.56
5212286	CH13NA048****A	FE4AN(B,F)005+UI		48,000	12.0	14.0	44,500	3.68	8.0	27,400	2.58
5212287	CH13NA048****A	FE4ANB006+UI		48,000	12.2	14.5	44,500	3.80	8.2	27,400	2.64
5212288	CH13NA048****A	FV4CN(B,F)005		48,000	12.0	14.0	44,500	3.68	8.0	27,400	2.58
5212289	CH13NA048****A	FV4CNB006		48,000	12.2	14.5	44,500	3.80	8.2	27,400	2.64
5212284	CH13NA048****A	FX4DN(B,F)049		48,000	12.0	14.0	45,000	3.74	8.2	28,000	2.60
5212285	CH13NA048****A	FX4DN(B,F)061		48,000	12.2	14.0	45,500	3.84	8.2	28,000	2.64
5212290	CH13NA060****A	†FX4DN(B,F)061		57,500	11.0	13.0	55,000	3.66	8.0	33,600	2.48
5212291	CH13NA060****A	FE4ANB006+UI		57,500	11.0	13.0	55,000	3.66	8.0	33,600	2.48
5212292	CH13NA060****A	FV4CNB006		57,500	11.0	13.0	55,000	3.66	8.0	33,600	2.48

†Tested combination.

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

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

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

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

COP — Coefficient of Performance

EER — Energy Efficiency Ratio

HSPF — Heating Seasonal Performance Factor

SEER — Seasonal Energy Efficiency Ratio

TDR — Time–Delay Relay

UI — User Interface

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.

CH13NA

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)		Total Sys. KW**			
		Capacity MBtuh Total†	Sens‡	Total Sys. KW**	Capacity MBtuh Total†	Sens‡	Total Sys. KW**	Capacity MBtuh Total†	Sens‡	Total Sys. KW**	Capacity MBtuh Total†		Sens‡		
CH13NA018 – A Outdoor Section With FB4CNF018 Indoor Section															
525	57 (13.9)	16.28	16.28	15.63	15.63	14.93	14.93	14.17	14.17	13.36	13.36	1.74	13.36	13.36	1.96
	62 (16.7)	16.88	15.29	16.06	14.88	15.19	14.44	14.27	13.96	13.36	13.36	1.74	13.36	13.36	1.96
	67 (19.4)	18.54	12.90	17.64	12.51	16.69	12.10	15.67	11.67	14.58	11.22	1.75	14.58	11.22	1.97
	72 (22.2)	20.35	10.48	19.38	10.11	18.35	9.71	17.26	9.30	16.09	8.86	1.77	16.09	8.86	1.99
	57 (13.9)	16.97	16.97	16.27	16.27	15.53	15.53	14.73	14.73	13.87	13.87	1.76	13.87	13.87	1.98
600	62 (16.7)	17.28	16.37	16.44	15.93	15.56	15.49	14.73	14.73	13.87	13.87	1.76	13.87	13.87	1.98
	67 (19.4)	18.93	13.71	17.99	13.31	17.00	12.90	15.95	12.46	14.82	12.00	1.77	14.82	12.00	1.99
	72 (22.2)	20.76	10.99	19.75	10.60	18.68	10.21	17.55	9.79	16.34	9.34	1.79	16.34	9.34	2.01
	57 (13.9)	17.55	17.55	16.82	16.82	16.03	16.03	15.19	15.19	14.29	14.29	1.77	14.29	14.29	2.00
	62 (16.7)	17.64	17.64	16.82	16.82	16.03	16.03	15.19	15.19	14.29	14.29	1.77	14.29	14.29	2.00
675	67 (19.4)	19.23	14.48	18.26	14.08	17.24	13.66	15.9	13.22	15.00	12.74	1.78	15.00	12.74	2.00
	72 (22.2)	21.08	11.47	20.04	11.08	18.94	10.67	17.78	10.25	16.53	9.80	1.80	16.53	9.80	2.02
COOLING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL		COOLING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL					
*FB4CNF018		1.00	1.00			CNPV*2417A**		1.03	0.95	CVLAAR036105					
FB4CNF024		1.00	1.00			CSPH*2412A**		1.03	0.95	CVLAAR036105					
FE4ANF002		1.03	0.95			CAP**2417A**		1.03	0.97	CVMAAR036105					
FF1ENP019		1.03	0.99			CNPH*2417A**		1.03	0.97	CVMAAR036105					
FF1ENP025		1.03	0.97			CNPV*2417A**		1.03	0.97	CVMAAR036105					
FV4CNF002		1.03	0.95			CSPH*2412A**		1.03	0.97	CVMAAR036105					
FX4DNF025		1.03	0.97			CAP**2417A**		1.03	0.97	OVLAAB036098					
CAP**2414A**		1.02	0.96	58CV(A.X)070 – 12		CNPH*2417A**		1.03	0.97	OVLAAB036098					
CNPV*1814A**		1.02	0.97	58CV(A.X)070 – 12		CNPV*2417A**		1.03	0.97	OVLAAB036098					
CNPV*2414A**		1.03	0.97	58CV(A.X)070 – 12		CSPH*2412A**		1.03	0.97	OVLAAB036098					
CSPH*2412A**		1.03	0.97	58CV(A.X)070 – 12		CAP**2417A**		1.03	0.97	OVMAAB036098					
CAP**2417A**		1.03	0.97	58CV(A.X)090 – 16		CNPH*2417A**		1.03	0.97	OVMAAB036098					
CNPV*2417A**		1.03	0.97	58CV(A.X)090 – 16		CNPV*2417A**		1.03	0.97	OVMAAB036098					
CNPV*2417A**		1.03	0.97	58CV(A.X)090 – 16		CSPH*2412A**		1.03	0.97	OVMAAB036098					

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (°C)																	
		75 (23.9)				85 (29.4)				95 (35)				105 (40.6)				115 (46.1)	
		Capacity MBtuh		Total Sys. KW**	Capacity MBtuh	Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh	Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh	Total Sys. KW**			
Total†	Sens†	Total†	Sens†				Total†	Sens†				Total†	Sens†						
CFM	EWB ° F (°C)	CH13NA024 – A Outdoor Section With FB4CNF024 Indoor Section																	
700	57 (13.9)	21.35	21.35	1.64	20.55	20.55	1.84	19.67	19.67	2.07	18.70	18.70	2.32	17.62	17.62	2.60			
	62 (16.7)	22.17	20.15	1.65	21.17	19.64	1.85	20.08	19.09	2.07	18.90	18.47	2.32	17.63	17.63	2.60			
	67 (19.4)	24.25	16.96	1.67	23.18	16.49	1.87	22.01	15.99	2.09	20.73	15.44	2.34	19.30	14.84	2.62			
	72 (22.2)	26.47	13.74	1.70	25.35	13.30	1.90	24.12	12.82	2.12	22.75	12.30	2.37	21.24	11.72	2.64			
800	57 (13.9)	22.20	22.20	1.66	21.35	21.35	1.87	20.42	20.42	2.09	19.40	19.40	2.34	18.27	18.27	2.62			
	62 (16.7)	22.66	21.51	1.67	21.63	20.97	1.87	20.54	20.35	2.09	19.40	19.40	2.34	18.27	18.27	2.62			
	67 (19.4)	24.71	17.98	1.69	23.61	17.51	1.89	22.40	17.00	2.11	21.07	16.45	2.36	19.60	15.84	2.64			
	72 (22.2)	26.95	14.36	1.73	25.79	13.91	1.93	24.52	13.43	2.15	23.11	12.90	2.39	21.54	12.32	2.67			
900	57 (13.9)	22.90	22.90	1.69	22.01	22.01	1.89	21.05	21.05	2.12	19.99	19.99	2.37	18.80	18.80	2.65			
	62 (16.7)	23.07	22.71	1.69	22.03	22.03	1.89	21.05	21.05	2.12	19.98	19.98	2.37	18.80	18.80	2.65			
	67 (19.4)	25.06	18.95	1.72	23.93	18.47	1.92	22.69	17.96	2.14	21.33	17.40	2.38	19.82	16.77	2.66			
	72 (22.2)	27.32	14.95	1.76	26.13	14.50	1.96	24.82	14.01	2.18	23.38	13.48	2.42	21.77	12.89	2.69			

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
*FB4CNF024	1.00	1.00		CAP**3017A**	1.03	0.96	58VLR105-12	CAP**2417A**	1.03	0.96	59*PSA080E17**14	CAP**3017A**	1.03	0.96	59*PSA080E17**14
FB4CNF030	1.03	0.98		CNPH*2417A**	1.03	0.96	58VLR105-12	CAP**3017A**	1.03	0.96	59*PSA080E17**14	CAP**3017A**	1.03	0.96	59*PSA080E17**14
FE4ANB,F003	1.03	0.94		CNPH*3017A**	1.03	0.96	58VLR105-12	CNPH*2417A**	1.03	0.98	59*PSA080E17**14	CNPH*2417A**	1.03	0.98	59*PSA080E17**14
FE4ANF002	1.03	0.94		CNPH*2417A**	1.03	0.96	58VLR105-12	CNPH*3017A**	1.03	0.96	59*PSA080E17**14	CNPH*3017A**	1.03	0.96	59*PSA080E17**14
FF1ENP025	1.03	0.98		CNPH*3017A**	1.03	0.96	58VLR105-12	CNPH*2417A**	1.03	0.98	59*PSA080E17**14	CNPH*2417A**	1.03	0.98	59*PSA080E17**14
FF1ENP031	1.03	1.00		CNPH*2417A**	1.03	0.96	58VLR105-12	CNPH*3017A**	1.03	0.98	59*PSA080E17**14	CNPH*3017A**	1.03	0.98	59*PSA080E17**14
FV4CNB,F003	1.03	0.94		CSPH*3012A**	1.03	0.96	58VLR105-12	CSPH*2412A**	1.03	0.96	59*PSA080E17**14	CSPH*2412A**	1.03	0.96	59*PSA080E17**14
FV4CNF002	1.03	0.94		CAP**2417A**	1.03	0.96	58VLR105-12	CSPH*3012A**	1.03	0.96	59*PSA080E17**14	CSPH*3012A**	1.03	0.96	59*PSA080E17**14
FX4DNB,F031	1.03	0.98		CAP**3017A**	1.03	0.96	58VLR105-12	CSPH*2412A**	1.03	0.98	59*PSA080E17**14	CSPH*2412A**	1.03	0.98	59*PSA080E17**14
FX4DNF025	1.03	0.96		CNPH*2417A**	1.03	0.98	58VLR105-12	CSPH*3017A**	1.03	0.98	59*PSA080E17**14	CSPH*3017A**	1.03	0.98	59*PSA080E17**14
CAP**2414A**	1.03	0.96	58CV(A,X)070-12	CNPH*3017A**	1.03	0.96	58VLR105-12	CAP**2417A**	1.03	0.96	59*PSA080E17**14	CAP**2417A**	1.03	0.96	59*PSA080E17**14
CAP**3014A**	1.03	0.96	58CV(A,X)070-12	CNPH*2417A**	1.03	0.98	58VLR105-12	CAP**3017A**	1.03	0.96	59*PSA080E17**14	CAP**3017A**	1.03	0.96	59*PSA080E17**14
CNPH*2414A**	1.03	0.96	58CV(A,X)070-12	CNPH*3017A**	1.03	0.98	58VLR105-12	CNPH*2417A**	1.03	0.96	59*PSA080E17**14	CNPH*2417A**	1.03	0.96	59*PSA080E17**14
CNPH*3014A**	1.03	0.96	58CV(A,X)070-12	CNPH*2417A**	1.03	0.96	58VLR105-12	CNPH*3017A**	1.03	0.96	59*PSA080E17**14	CNPH*3017A**	1.03	0.96	59*PSA080E17**14
CSPH*2412A**	1.03	0.96	58CV(A,X)090-16	CNPH*2417A**	1.03	0.96	59*N*A060V17**14	CSPH*3012A**	1.03	0.96	59*PSA080E17**14	CSPH*3012A**	1.03	0.96	59*PSA080E17**14
CSPH*3012A**	1.03	0.96	58CV(A,X)090-16	CNPH*3017A**	1.03	0.96	59*N*A060V17**14	CSPH*2412A**	1.03	0.96	59*PSA080E17**14	CSPH*2412A**	1.03	0.96	59*PSA080E17**14
CAP**2417A**	1.03	0.96	58CV(A,X)090-16	CNPH*2417A**	1.03	0.96	59*N*A060V17**14	CAP**2417A**	1.03	0.96	59*PSA080E17**14	CAP**2417A**	1.03	0.96	59*PSA080E17**14
CNPH*2417A**	1.03	0.96	58CV(A,X)090-16	CNPH*3017A**	1.03	0.96	59*N*A060V17**14	CNPH*2417A**	1.03	0.96	59*PSA080E17**14	CNPH*3017A**	1.03	0.96	59*PSA080E17**14
CNPH*3017A**	1.03	0.94	58CV(A,X)090-16	CNPH*2417A**	1.03	0.96	59*N*A060V17**14	CNPH*3017A**	1.03	0.96	59*PSA080E17**14	CNPH*2417A**	1.03	0.96	59*PSA080E17**14
CNPH*2417A**	1.03	0.96	58CV(A,X)090-16	CNPH*3017A**	1.03	0.96	59*N*A060V17**14	CNPH*2417A**	1.03	0.96	59*PSA080E17**14	CNPH*3017A**	1.03	0.96	59*PSA080E17**14
CNPH*3017A**	1.03	0.94	58CV(A,X)090-16	CNPH*2417A**	1.03	0.96	59*N*A060V17**14	CNPH*3017A**	1.03	0.96	59*PSA080E17**14	CNPH*2417A**	1.03	0.96	59*PSA080E17**14
CSPH*2412A**	1.03	0.96	58CV(A,X)090-16	CNPH*3017A**	1.03	0.96	59*N*A060V17**14	CSPH*2412A**	1.03	0.96	59*PSA080E17**14	CSPH*2412A**	1.03	0.96	59*PSA080E17**14
CSPH*3012A**	1.03	0.96	58CV(A,X)090-16	CNPH*2417A**	1.03	0.96	59*N*A060V17**14	CSPH*3012A**	1.03	0.96	59*PSA080E17**14	CSPH*3012A**	1.03	0.96	59*PSA080E17**14
CAP**2412A**	1.03	0.94	58PH*045-08	CNPH*2417A**	1.03	0.96	59*N*A060V17**14	CAP**2412A**	1.03	0.96	59*PSA080E17**14	CAP**2412A**	1.03	0.96	59*PSA080E17**14
CAP**3012A**	1.03	0.98	58PH*045-08	CNPH*3017A**	1.03	0.96	59*N*A060V17**14	CAP**3012A**	1.03	0.96	59*PSA080E17**14	CAP**3012A**	1.03	0.96	59*PSA080E17**14
CNPH*2414A**	1.03	0.98	58PH*045-08	CNPH*2417A**	1.03	0.96	59*N*A060V17**14	CNPH*2414A**	1.03	0.98	59*PSA080E17**14	CNPH*2417A**	1.03	0.98	59*PSA080E17**14
CNPH*3014A**	1.03	0.98	58PH*045-08	CNPH*3017A**	1.03	0.96	59*N*A060V17**14	CNPH*3014A**	1.03	0.98	59*PSA080E17**14	CNPH*3017A**	1.03	0.98	59*PSA080E17**14
CSPH*2412A**	1.03	0.96	58PH*045-08	CNPH*2417A**	1.03	0.96	59*N*A060V17**14	CSPH*2412A**	1.03	0.96	59*PSA080E17**14	CSPH*2417A**	1.03	0.96	59*PSA080E17**14
CSPH*3012A**	1.03	0.96	58PH*045-08	CNPH*3017A**	1.03	0.96	59*N*A060V17**14	CSPH*3012A**	1.03	0.96	59*PSA080E17**14	CSPH*3017A**	1.03	0.96	59*PSA080E17**14
CAP**2417A**	1.03	0.96	58PH*045-08	CNPH*2417A**	1.03	0.96	59*N*A060V17**14	CAP**2417A**	1.03	0.96	59*PSA080E17**14	CAP**2417A**	1.03	0.96	59*PSA080E17**14
CAP**3017A**	1.03	0.96	58PH*045-08	CNPH*3017A**	1.03	0.96	59*N*A060V17**14	CAP**3017A**	1.03	0.96	59*PSA080E17**14	CAP**3017A**	1.03	0.96	59*PSA080E17**14

CH13NA

DETAILED COOLING CAPACITIES* (CONT.)

CH13NA024--A Outdoor Section With FB4CNF024 Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*3017A**	1.03	0.96	OVMAAB036098
CNPV*2417A**	1.03	0.98	OVMAAB036098
CNPV*3017A**	1.03	0.96	OVMAAB036098
CSPH*2412A**	1.03	0.98	OVMAAB036098
CSPH*3012A**	1.03	0.96	OVMAAB036098
CAP**2417A**	1.03	0.96	OVMAAB042112
CAP**3017A**	1.03	0.94	OVMAAB042112
CNPH*2417A**	1.03	0.96	OVMAAB042112
CNPH*3017A**	1.03	0.94	OVMAAB042112
CNPV*2417A**	1.03	0.96	OVMAAB042112
CNPV*3017A**	1.03	0.94	OVMAAB042112
CSPH*2412A**	1.03	0.96	OVMAAB042112
CSPH*3012A**	1.03	0.96	OVMAAB042112

See notes on pg. 31

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)																	
		75 (23.9)				85 (29.4)				95 (35)				105 (40.6)				115 (46.1)	
		Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**
Total†	Sens‡	Total†	Sens‡		Total†	Sens‡		Total†	Sens‡		Total†	Sens‡		Total†	Sens‡		Total†	Sens‡	
CFM	EWB ° F (° C)	CH13N/A030 – A Outdoor Section With FB4C/NF030 Indoor Section																	
875	57 (13.9)	27.59	27.59	2.14	26.52	27.48	27.48	2.42	26.26	26.26	2.70	24.94	23.49	23.49	2.98	24.13	22.76	22.76	3.34
	62 (16.7)	28.63	26.25	2.15	27.31	25.58	2.39	25.90	24.85	2.67	24.40	23.48	23.48	2.98	24.05	22.77	22.77	3.34	
	67 (19.4)	31.16	22.04	2.17	29.71	21.40	2.42	20.72	2.69	26.51	20.00	3.00	24.70	19.23	3.36	24.70	19.23	3.36	
	72 (22.2)	33.88	17.79	2.19	32.31	17.17	2.45	30.84	16.51	2.72	28.85	15.81	3.03	26.88	15.06	3.39	26.88	15.06	3.39
	57 (13.9)	28.61	28.61	2.18	27.48	27.48	2.42	26.26	26.26	2.70	24.94	23.49	23.49	3.01	24.94	23.49	23.49	3.38	3.38
1000	62 (16.7)	29.21	27.99	2.18	27.84	27.27	2.43	26.42	26.46	2.70	24.94	23.48	23.48	3.02	24.94	23.48	23.48	3.38	3.38
	67 (19.4)	31.71	23.34	2.20	30.20	22.68	2.45	28.60	22.00	2.72	26.88	21.27	3.04	25.00	20.48	3.39	25.00	20.48	3.39
	72 (22.2)	34.46	18.58	2.23	32.81	17.94	2.48	31.09	17.28	2.75	29.23	16.57	3.06	27.20	15.81	3.42	27.20	15.81	3.42
	57 (13.9)	29.46	29.46	2.21	28.26	28.26	2.46	26.99	26.99	2.73	25.60	24.08	3.05	24.08	24.08	3.41	24.08	24.08	3.41
	62 (16.7)	29.70	29.56	2.21	28.30	28.30	2.46	26.99	26.99	2.73	25.60	24.07	3.05	24.07	24.07	3.41	24.07	24.07	3.41
1125	67 (19.4)	32.14	24.60	2.23	30.57	23.93	2.48	28.93	23.24	2.76	27.16	22.49	3.07	25.24	21.68	3.42	25.24	21.68	3.42
	72 (22.2)	34.90	19.33	2.26	33.21	18.69	2.51	31.43	18.02	2.79	29.52	17.30	3.10	27.44	16.53	3.45	27.44	16.53	3.45

[illegible]

DETAILED COOLING CAPACITIES* (CONT.)

CH13NA030 – A Outdoor Section With FB4CNF030 Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*3617A**	1.05	1.02	OVLAAAB036098
CSPH*3012A**	1.05	1.02	OVLAAAB036098
CSPH*3612A**	1.05	1.00	OVLAAAB036098
CAP**3621A**	1.05	1.00	OVLAAAB048112
CNPV*3621A**	1.05	1.02	OVLAAAB048112
CSPH*3012A**	1.05	1.02	OVLAAAB048112
CSPH*3612A**	1.05	1.00	OVLAAAB048112
CAP**3017A**	1.05	1.03	OVMAAB036098
CAP**3617A**	1.05	1.02	OVMAAB036098
CNPV*3017A**	1.05	1.03	OVMAAB036098
CNPV*3617A**	1.05	1.03	OVMAAB036098
CNPV*3017A**	1.05	1.03	OVMAAB036098
CNPV*3617A**	1.05	1.03	OVMAAB036098
CSPH*3012A**	1.05	1.02	OVMAAB036098
CSPH*3612A**	1.05	1.02	OVMAAB036098
CAP**3017A**	1.05	1.00	OVMAAB042112
CAP**3617A**	1.05	1.00	OVMAAB042112
CNPV*3017A**	1.05	1.00	OVMAAB042112
CNPV*3617A**	1.05	1.00	OVMAAB042112
CNPV*3017A**	1.05	1.00	OVMAAB042112
CNPV*3617A**	1.05	1.00	OVMAAB042112
CSPH*3012A**	1.05	1.02	OVMAAB042112
CSPH*3612A**	1.05	0.99	OVMAAB042112

See notes on pg. 31

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)																			
		75 (23.9)				85 (29.4)				95 (35)				105 (40.6)				115 (46.1)			
		Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**		
		Total†	Sens†		Total†	Sens†		Total†	Sens†		Total†	Sens†		Total†	Sens†		Total†	Sens†			
CFM	EWB ° F (° C)																				
1050	57 (13.9)	32.52	32.52	2.55	31.30	31.30	2.83	29.99	29.99	3.14	28.56	28.56	3.50	27.00	27.00	3.92					
	62 (16.7)	33.65	32.04	2.56	32.15	31.25	2.83	30.39	30.39	3.14	28.82	29.42	3.50	27.01	27.01	3.92					
	67 (19.4)	36.82	26.93	2.58	35.20	26.19	2.85	33.45	25.41	3.17	31.56	24.57	3.52	29.49	23.67	3.93					
	72 (22.2)	40.26	21.75	2.60	38.53	21.04	2.88	36.67	20.30	3.19	34.85	19.49	3.55	32.44	18.62	3.95					
	77 (25.0)	33.76	32.48	2.60	33.76	31.10	2.87	32.48	31.10	3.10	29.59	27.95	3.54	27.95	27.95	3.96					
1200	62 (16.7)	34.37	34.18	2.60	32.83	33.32	2.88	31.21	30.92	3.19	29.59	29.59	3.54	27.95	27.95	3.96					
	67 (19.4)	37.50	27.79	2.62	35.81	27.00	2.90	34.00	26.15	3.21	32.04	26.15	3.56	29.91	25.23	3.97					
	72 (22.2)	40.96	22.73	2.65	39.18	22.01	2.93	37.25	21.25	3.24	35.16	20.44	3.59	32.88	19.56	3.99					
	77 (25.0)	34.80	34.80	2.64	33.45	33.45	2.92	32.01	32.01	3.23	30.44	30.44	3.59	28.73	28.73	4.00					
	82 (27.8)	35.00	36.06	2.64	33.47	33.47	2.92	32.01	32.01	3.23	30.44	30.44	3.59	28.72	28.72	4.00					
1350	67 (19.4)	38.03	30.11	2.66	36.29	29.35	2.94	34.43	28.55	3.25	32.42	27.68	3.60	30.24	26.73	4.01					
	72 (22.2)	41.51	22.95	2.69	39.68	22.95	2.97	37.69	22.18	3.28	35.55	21.36	3.63	33.21	20.47	4.04					

COOLING INDOOR MODEL					FURNACE MODEL		
	CAPACITY	POWER					
*FB4CNF036	1.00	1.00					
FB4CNF042	1.02	0.97					
FE4AN(B,F)003	1.01	0.91					
FE4AN(B,F)005	1.05	0.92					
FE4ANF002	1.01	0.95					
FF1ENP037	1.01	0.99					
FV4CN(B,F)003	1.01	0.91					
FV4CN(B,F)005	1.05	0.92					
FV4CNF002	1.01	0.95					
FX4DN(B,F)037	1.05	0.94					
FX4DN(B,F)043	1.05	0.94					
CSPH**4212A**	1.04	1.01					
CAP**3617A**	1.00	0.94			56CV(A,X)070-12		
CSPH**3612A**	1.02	0.94			56CV(A,X)070-12		
CSPH**4212A**	1.03	0.94			58CV(A,X)070-12		
CAP**3617A**	1.01	0.92			56CV(A,X)090-16		
CSPH**4212A**	1.00	0.94			58CV(A,X)090-16		
CNPV**3617A**	1.00	0.94			56CV(A,X)090-16		
CNPV**4217A**	1.02	0.94			58CV(A,X)090-16		
CSPH**3612A**	1.02	0.92			58CV(A,X)090-16		
CAP**3621A**	1.03	0.93			56CV(A,X)110-20		
CAP**4221A**	1.01	0.92			58CV(A,X)110-20		
CNPV**4212A**	1.02	0.93			56CV(A,X)110-20		
CNPV**3612A**	1.01	0.93			58CV(A,X)110-20		
CAP**4221A**	1.04	0.93			56CV(A,X)110-20		
CNPV**4212A**	1.02	0.93			58CV(A,X)110-20		
CNPV**3621A**	1.01	0.95			56CV(A,X)110-20		
CNPV**4221A**	1.02	0.93			58CV(A,X)110-20		
CNPV**4212A**	1.03	0.93			56CV(A,X)135-22		
CSPH**3612A**	1.03	0.93			58CV(A,X)135-22		
CSPH**4212A**	1.04	0.93			56CV(A,X)135-22		
CAP**4224A**	1.01	0.91			58CV(A,X)155-22		
CSPH**3612A**	1.04	0.93			56CV(A,X)155-22		
CSPH**4212A**	1.02	0.92			58CV(A,X)155-22		
CSPH**3612A**	1.03	0.93			56CV(A,X)155-22		
CSPH**4212A**	1.04	0.91			58CV(A,X)155-22		
CSPH**3612A**	1.02	0.98			58PH*045-08		
CSPH**4212A**	1.03	0.98			58PH*045-08		
CAP**3617A**	1.01	0.96			58PH*070-16		

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV**3617A**	1.00	0.96	59PH*070-16
CNPV**4217A**	1.02	0.96	58PH*070-16
CSPH**3612A**	1.02	0.96	58PH*070-16
CSPH**4212A**	1.04	0.97	58PH*070-16
CAP**3621A**	1.02	0.93	58PH*090-16
CAP**4221A**	1.02	0.92	58PH*090-16
CNPH**4221A**	1.02	0.93	58PH*090-16
CNPV**3621A**	1.01	0.92	58PH*110-20
CNPV**4221A**	1.03	0.93	58PH*110-20
CNPH**4221A**	1.02	0.92	58PH*110-20
CNPV**3621A**	1.01	0.93	58PH*110-20
CNPV**4221A**	1.02	0.92	58PH*110-20
CNPH**3612A**	1.04	0.93	58PH*110-20
CSPH**4212A**	1.05	0.94	58PH*110-20
CAP**3617A**	1.01	0.95	58VLR105-12
CNPH**3617A**	1.01	0.96	58VLR105-12
CNPV**3617A**	1.01	0.96	58VLR105-12
CNPV**4217A**	1.02	0.96	58VLR105-12
CSPH**3612A**	1.03	0.94	58VLR105-12
CSPH**4212A**	1.04	0.95	58VLR105-12
CAP**3621A**	1.01	0.92	58VLR120-20
CAP**4221A**	1.01	0.91	58VLR120-20
CNPH**4221A**	1.01	0.93	58VLR120-20
CNPV**3621A**	1.01	0.92	58VLR120-20
CNPV**4221A**	1.03	0.93	58VLR120-20
CSPH**4212A**	1.04	0.93	58VLR120-20
CAP**3617A**	1.00	0.94	58VLR105-12
CNPV**3617A**	1.00	0.94	58VLR105-12
CNPV**4217A**	1.01	0.95	58VLR105-12
CNPV**3617A**	1.01	0.96	

DETAILED COOLING CAPACITIES* (CONT.)

CH13NA036 – A Outdoor Section With FB4CNF036 Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*3617A**	1.00	0.96	59*P5A060E17**14	CSPH*3612A**	1.03	0.97	OVLAAB048112
CNPV*4217A**	1.02	0.96	59*P5A060E17**14	CSPH*4212A**	1.04	0.95	OVLAAB048112
CSPH*3612A**	1.02	0.96	59*P5A060E17**14	CSPH*3612A**	1.05	0.97	OVLAAB060154
CSPH*4212A**	1.03	0.97	59*P5A060E17**14	CSPH*4212A**	1.06	0.96	OVLAAB060154
CAP**3617A**	1.00	0.94	59*P5A080E17**16	CAP**3617A**	1.00	0.96	OVMAAB036098
CNPV*3617A**	1.00	0.94	59*P5A080E17**16	CNPV*3617A**	1.00	0.97	OVMAAB036098
CNPV*3617A**	1.00	0.94	59*P5A080E17**16	CNPV*3617A**	1.00	0.97	OVMAAB036098
CNPV*4217A**	1.02	0.96	59*P5A080E17**16	CNPV*4217A**	1.02	0.97	OVMAAB036098
CSPH*3612A**	1.02	0.94	59*P5A080E17**16	CSPH*3612A**	1.02	0.96	OVMAAB036098
CSPH*4212A**	1.03	0.94	59*P5A080E17**16	CSPH*4212A**	1.03	0.97	OVMAAB036098
CAP**3621A**	1.00	0.94	59MN7A060V21**20	CAP**3617A**	1.01	0.95	OVMAAB042112
CAP**4221A**	1.01	0.95	59MN7A060V21**20	CNPV*3617A**	1.00	0.94	OVMAAB042112
CNPV*4221A**	1.01	0.95	59MN7A060V21**20	CNPV*3617A**	1.00	0.94	OVMAAB042112
CNPV*3621A**	1.00	0.94	59MN7A060V21**20	CNPV*4217A**	1.02	0.96	OVMAAB042112
CNPV*4221A**	1.01	0.95	59MN7A060V21**20	CSPH*3612A**	1.02	0.94	OVMAAB042112
CSPH*3612A**	1.02	0.93	59MN7A060V21**20	CSPH*4212A**	1.03	0.94	OVMAAB042112
CSPH*4212A**	1.02	0.94	59MN7A060V21**20				
CAP**3617A**	1.01	0.95	CVLAAR036105				
CNPV*3617A**	1.01	0.96	CVLAAR036105				
CNPV*3617A**	1.01	0.96	CVLAAR036105				
CNPV*4217A**	1.02	0.96	CVLAAR036105				
CSPH*3612A**	1.03	0.94	CVLAAR036105				
CSPH*4212A**	1.04	0.95	CVLAAR036105				
CAP**3621A**	1.01	0.92	CVLAAR060120				
CAP**4221A**	1.01	0.91	CVLAAR060120				
CNPV*4221A**	1.01	0.93	CVLAAR060120				
CNPV*3621A**	1.01	0.92	CVLAAR060120				
CNPV*4221A**	1.01	0.93	CVLAAR060120				
CSPH*3612A**	1.03	0.93	CVLAAR060120				
CSPH*4212A**	1.04	0.93	CVLAAR060120				
CAP**3617A**	1.00	0.94	CVMAAR036105				
CNPV*3617A**	1.00	0.94	CVMAAR036105				
CNPV*3617A**	1.00	0.94	CVMAAR036105				
CNPV*4217A**	1.01	0.95	CVMAAR036105				
CSPH*3612A**	1.02	0.93	CVMAAR036105				
CSPH*4212A**	1.02	0.94	CVMAAR036105				
CAP**3621A**	1.00	0.92	CVMAAR060120				
CAP**4221A**	1.01	0.93	CVMAAR060120				
CNPV*4221A**	1.01	0.93	CVMAAR060120				
CNPV*3621A**	1.00	0.94	CVMAAR060120				
CNPV*4221A**	1.01	0.93	CVMAAR060120				
CSPH*3612A**	1.02	0.94	CVMAAR060120				
CSPH*4212A**	1.03	0.93	CVMAAR060120				
CAP**3617A**	1.00	0.96	OVLAAB036098				
CNPV*3617A**	1.00	0.97	OVLAAB036098				
CNPV*3617A**	1.00	0.97	OVLAAB036098				
CNPV*4217A**	1.01	0.97	OVLAAB036098				
CSPH*3612A**	1.02	0.96	OVLAAB036098				
CSPH*4212A**	1.02	0.96	OVLAAB036098				
CAP**3621A**	1.01	0.95	OVLAAB048112				
CAP**4221A**	1.02	0.96	OVLAAB048112				
CNPV*4221A**	1.02	0.96	OVLAAB048112				
CNPV*3621A**	1.01	0.96	OVLAAB048112				
CNPV*4221A**	1.02	0.96	OVLAAB048112				

See notes on pg. 31

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)															
CFM	EWB ° F (° C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			
		Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	Capacity MBtuh		Total Sys. KW**	
		Total†	Sens†		Total†	Sens†		Total†	Sens†		Total†	Sens†		Total†	Sens†		
CH13NA042 – A Outdoor Section With FB4CNF042 Indoor Section																	
1225	57 (13.9)	38.22	38.22	3.03	36.77	36.77	3.37	35.23	35.23	3.74	33.60	33.60	4.14	31.84	31.84	4.60	
	62 (16.7)	39.66	35.89	3.02	37.84	34.98	3.37	35.94	34.02	3.74	33.96	32.99	4.15	31.87	31.87	4.60	
	67 (19.4)	43.44	30.19	2.97	41.45	29.31	3.34	39.35	28.42	3.73	37.14	27.48	4.15	34.79	26.49	4.61	
	72 (22.2)	47.61	24.46	2.89	45.44	23.60	3.29	43.16	22.72	3.71	40.76	21.81	4.15	38.20	20.84	4.62	
	57 (13.9)	39.71	39.71	3.06	38.16	38.16	3.41	36.52	36.52	3.79	34.79	34.79	4.20	32.93	32.93	4.65	
1400	62 (16.7)	40.51	38.33	3.05	38.63	37.34	3.41	36.70	36.25	3.79	34.79	34.79	4.20	32.92	32.92	4.65	
	67 (19.4)	44.27	32.00	2.99	42.19	31.11	3.38	40.00	30.20	3.77	37.71	29.25	4.20	35.27	28.24	4.66	
	72 (22.2)	48.52	25.57	2.91	46.24	24.70	3.32	43.87	23.80	3.74	41.38	22.87	4.19	38.72	21.89	4.67	
	57 (13.9)	40.95	40.95	3.09	39.31	39.31	3.45	37.59	37.59	3.83	35.77	35.77	4.24	33.82	33.82	4.70	
	62 (16.7)	41.24	40.48	3.09	39.34	39.34	3.45	37.59	37.59	3.83	35.77	35.77	4.24	33.81	33.81	4.70	
1575	67 (19.4)	44.90	33.73	3.03	42.74	32.82	3.41	40.48	31.90	3.82	38.12	30.92	4.24	35.62	29.89	4.71	
	72 (22.2)	49.20	26.61	2.94	46.85	25.73	3.36	44.40	24.82	3.78	41.84	23.88	4.23	39.10	22.88	4.72	

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
*FB4CNF042	1.00	1.00		CSPH*4212A**	1.01	0.97	58PH*090-16	CSPH*4212A**	1.01	0.97	58PH*090-16	CAP**4821A**	1.01	0.97	59*N*A100V21**22
FB4CNF048	1.00	1.00		CSPH*4812A**	1.01	0.97	58PH*090-16	CNPH*4221A**	1.00	0.97	58PH*090-16	CNPH*4221A**	1.00	0.97	59*N*A100V21**22
FE4ANB.FJ003	1.00	0.97		CAP**4221A**	1.01	0.97	58PH*110-20	CNPV*4821A**	1.01	0.97	58PH*110-20	CNPV*4821A**	1.01	0.97	59*N*A100V21**22
FE4ANB.FJ005	1.01	0.95		CAP**4821A**	1.01	0.97	58PH*110-20	CNPV*4221A**	1.00	0.97	58PH*110-20	CNPV*4221A**	1.00	0.97	59*N*A100V21**22
FV4CNB.FJ003	1.00	0.97		CNPH*4812A**	1.00	0.97	58PH*110-20	CNPH*4812A**	1.01	0.97	58PH*110-20	CNPH*4812A**	1.01	0.97	59*N*A100V21**22
FV4CNB.FJ005	1.01	0.95		CNPH*4821A**	1.01	0.95	58PH*110-20	CSPH*4212A**	1.01	0.97	58PH*110-20	CSPH*4212A**	1.01	0.97	59*N*A100V21**22
FX4DNB.FJ043	1.01	0.99		CNPV*4221A**	1.00	0.97	58PH*110-20	CNPV*4812A**	1.00	0.97	58PH*110-20	CSPH*4812A**	1.01	0.97	59*N*A100V21**22
FX4DNB.FJ049	1.01	0.95		CNPV*4821A**	1.01	0.95	58PH*110-20	CNPV*4821A**	1.01	0.95	58PH*110-20	CAP**4224A**	1.00	0.97	59*N*A120V24**22
CSPH*4212A**	1.01	0.99	58CV(A.X)070-12	CSPH*4212A**	1.01	0.95	58PH*110-20	CSPH*4212A**	1.01	0.95	58PH*110-20	CAP**4824A**	1.01	0.97	59*N*A120V24**22
CSPH*4812A**	1.01	0.99	58CV(A.X)070-12	CSPH*4812A**	1.01	0.95	58PH*110-20	CSPH*4812A**	1.01	0.95	58PH*110-20	CNPV*4824A**	1.01	0.97	59*N*A120V24**22
CAP**4817A**	1.01	0.97	58CV(A.X)090-16	CAP**4224A**	1.01	0.99	58PH*135-20	CAP**4224A**	1.01	0.99	58PH*135-20	CSPH*4212A**	1.01	0.97	59*N*A120V24**22
CNPV*4217A**	1.01	0.99	58CV(A.X)090-16	CAP**4824A**	1.01	0.97	58PH*135-20	CNPV*4824A**	1.01	0.97	58PH*135-20	CSPH*4812A**	1.01	0.97	59*N*A120V24**22
CSPH*4212A**	1.01	0.97	58CV(A.X)090-16	CNPH*4824A**	1.01	0.97	58PH*135-20	CNPH*4824A**	1.01	0.97	58PH*135-20	CAP**4817A**	1.01	0.99	59*PSA080E17**16
CSPH*4812A**	1.01	0.97	58CV(A.X)090-16	CSPH*4212A**	1.01	0.97	58PH*135-20	CSPH*4212A**	1.01	0.97	58PH*135-20	CSPH*4212A**	1.01	0.99	59*PSA080E17**16
CAP**4221A**	1.00	0.97	58CV(A.X)110-20	CSPH*4812A**	1.01	0.97	58PH*135-20	CSPH*4812A**	1.01	0.97	58PH*135-20	CSPH*4812A**	1.01	0.99	59*PSA080E17**16
CAP**4821A**	1.01	0.99	58CV(A.X)110-20	CAP**4221A**	1.00	0.97	58VLR120-20	CAP**4221A**	1.01	0.99	58VLR120-20	CAP**4221A**	1.01	0.99	59*PSA080E21**20
CNPH*4221A**	1.00	0.98	58CV(A.X)110-20	CAP**4821A**	1.01	0.97	58VLR120-20	CNPV*4221A**	1.00	0.97	58VLR120-20	CNPV*4821A**	1.00	0.98	59*PSA080E21**20
CNPH*4821A**	1.01	0.97	58CV(A.X)110-20	CNPH*4221A**	1.01	0.97	58VLR120-20	CNPH*4821A**	1.01	0.97	58VLR120-20	CNPV*4821A**	1.01	0.98	59*PSA080E21**20
CNPV*4221A**	1.00	0.98	58CV(A.X)110-20	CNPH*4821A**	1.01	0.97	58VLR120-20	CNPV*4221A**	1.00	0.97	58VLR120-20	CNPV*4821A**	1.01	0.97	59*PSA080E21**20
CNPV*4821A**	1.01	0.97	58CV(A.X)110-20	CNPV*4221A**	1.00	0.97	58VLR120-20	CNPV*4821A**	1.01	0.97	58VLR120-20	CNPV*4821A**	1.01	0.97	59*PSA080E21**20
CSPH*4212A**	1.01	0.97	58CV(A.X)110-20	CNPV*4821A**	1.01	0.97	58VLR120-20	CNPV*4821A**	1.01	0.97	58VLR120-20	CNPV*4821A**	1.01	0.97	59*PSA080E21**20
CSPH*4812A**	1.01	0.97	58CV(A.X)110-20	CSPH*4212A**	1.01	0.97	58VLR120-20	CSPH*4212A**	1.01	0.97	58VLR120-20	CSPH*4212A**	1.01	0.97	59*PSA080E21**20
CAP**4224A**	1.00	0.96	58CV(A.X)135-22	CSPH*4812A**	1.01	0.97	58VLR120-20	CSPH*4812A**	1.01	0.97	58VLR120-20	CSPH*4812A**	1.01	0.97	59*PSA080E21**20
CAP**4824A**	1.01	0.95	58CV(A.X)135-22	CAP**4221A**	1.00	0.97	58VLR120-20	CAP**4221A**	1.00	0.97	58VLR120-20	CAP**4221A**	1.00	0.97	59*PSA080E21**20
CNPH*4824A**	1.01	0.95	58CV(A.X)135-22	CAP**4821A**	1.01	0.99	58VLR120-20	CAP**4821A**	1.01	0.99	58VLR120-20	CAP**4821A**	1.01	0.97	59*PSA100E21**20
CSPH*4212A**	1.01	0.95	58CV(A.X)135-22	CNPH*4821A**	1.01	0.97	58VLR120-20	CNPH*4821A**	1.01	0.97	58VLR120-20	CNPH*4221A**	1.00	0.97	59*PSA100E21**20
CSPH*4812A**	1.01	0.95	58CV(A.X)135-22	CNPV*4821A**	1.01	0.97	58VLR120-20	CNPV*4821A**	1.01	0.97	58VLR120-20	CNPV*4821A**	1.01	0.97	59*PSA100E21**20
CAP**4221A**	1.00	0.97	58PH*090-16	CSPH*4212A**	1.01	0.99	59*N*A080V21**20	CSPH*4212A**	1.01	0.97	58VLR120-20	CNPV*4821A**	1.00	0.97	59*PSA100E21**20
CAP**4821A**	1.01	0.97	58PH*090-16	CSPH*4812A**	1.01	0.99	59*N*A080V17**14	CSPH*4812A**	1.01	0.97	58VLR120-20	CNPV*4821A**	1.01	0.97	59*PSA100E21**20
CNPH*4221A**	1.00	0.97	58PH*090-16	CAP**4221A**	0.99	0.96	59*N*A080V21**20	CSPH*4812A**	1.01	0.97	58VLR120-20	CNPV*4821A**	1.01	0.97	59*PSA100E21**20
CAP**4221A**	1.00	0.97	58PH*090-16	CAP**4821A**	1.01	0.99	59*N*A080V21**20	CAP**4224A**	1.01	0.97	59*PSA120E24**22	CAP**4224A**	1.01	0.97	59*PSA120E24**22
CAP**4821A**	1.01	0.97	58PH*090-16	CNPH*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4824A**	1.01	0.97	59*PSA120E24**22	CNPV*4824A**	1.01	0.97	59*PSA120E24**22
CNPH*4221A**	1.00	0.97	58PH*090-16	CNPH*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPH*4821A**	1.01	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CSPH*4212A**	1.01	0.97	59*PSA120E24**22	CSPH*4212A**	1.01	0.97	59*PSA120E24**22
CNPV*4221A**	1.00	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CSPH*4812A**	1.01	0.97	59*PSA120E24**22	CSPH*4812A**	1.01	0.97	59*PSA120E24**22
CNPV*4821A**	1.01	0.97	58PH*090-16	CSPH*4212A**	1.01	0.97	59*N*A080V21**20	CSPH*4812A**	1.01	0.97	59*PSA120E24**22	CSPH*4812A**	1.01	0.97	59*PSA120E24**22
CNPV*4221A**	1.00	0.97	58PH*090-16	CSPH*4812A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4821A**	1.01	0.97	58PH*090-16	CAP**4221A**	1.00	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4221A**	1.00	0.97	58PH*090-16	CAP**4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4821A**	1.01	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4221A**	1.00	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4821A**	1.01	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4221A**	1.00	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4821A**	1.01	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4221A**	1.00	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4821A**	1.01	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4221A**	1.00	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4821A**	1.01	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4221A**	1.00	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4821A**	1.01	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4221A**	1.00	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4821A**	1.01	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4221A**	1.00	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4821A**	1.01	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4221A**	1.00	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4821A**	1.01	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4221A**	1.00	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4821A**	1.01	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4221A**	1.00	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4821A**	1.01	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4221A**	1.00	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24**22	CNPV*4821A**	1.01	0.97	59*PSA120E24**22
CNPV*4821A**	1.01	0.97	58PH*090-16	CNPV*4821A**	1.01	0.97	59*N*A080V21**20	CNPV*4821A**	1.01	0.97	59*PSA120E24				

DETAILED COOLING CAPACITIES* (CONT.)

CH13NA042 – A Outdoor Section With FB4CNF042 Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*4821A**	1.01	0.99	59MN7A060V21**20
CSPH*4212A**	1.01	0.99	59MN7A060V21**20
CSPH*4812A**	1.01	0.99	59MN7A060V21**20
CAP**4221A**	1.00	0.97	CVLAAR060120
CAP**4821A**	1.01	0.97	CVLAAR060120
CNPH*4221A**	1.00	0.97	CVLAAR060120
CNPH*4821A**	1.01	0.97	CVLAAR060120
CNPV*4221A**	1.00	0.97	CVLAAR060120
CNPV*4821A**	1.01	0.97	CVLAAR060120
CSPH*4212A**	1.01	0.97	CVLAAR060120
CSPH*4812A**	1.01	0.97	CVLAAR060120
CAP**4221A**	1.00	0.97	CVMAAR060120
CAP**4821A**	1.01	0.99	CVMAAR060120
CNPH*4821A**	1.01	0.97	CVMAAR060120
CNPV*4821A**	1.01	0.97	CVMAAR060120
CSPH*4212A**	1.01	0.97	CVMAAR060120
CSPH*4812A**	1.01	0.97	CVMAAR060120
CSPH*4212A**	1.01	0.97	OVLAAB060154
CSPH*4812A**	1.01	0.97	OVLAAB060154
CAP**4817A**	1.01	0.99	OVMAAB042112
CSPH*4212A**	1.01	0.99	OVMAAB042112
CSPH*4812A**	1.01	0.99	OVMAAB042112

See notes on pg. 31

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)											
CFM	EWB ° F (° C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)			
		Capacity MBtuh Total†	Sens‡	Capacity MBtuh Total†	Sens‡	Capacity MBtuh Total†	Sens‡	Capacity MBtuh Total†	Sens‡	Capacity MBtuh Total†	Sens‡		
CH13NA048 – A Outdoor Section With FB4CNP048 Indoor Section													
1400	57 (13.9)	43.34	43.34	3.32	41.63	3.72	39.85	39.85	37.99	37.99	35.98	35.98	5.13
	62 (16.7)	44.87	41.72	3.32	42.73	3.73	40.55	39.51	38.30	38.30	35.98	35.98	5.13
	67 (19.4)	49.06	34.99	3.33	46.72	3.75	44.31	32.90	41.81	31.82	39.14	30.68	5.17
	72 (22.2)	53.58	28.21	3.32	51.03	3.76	48.41	26.16	45.69	25.10	42.80	23.99	5.21
1600	57 (13.9)	45.02	45.02	3.38	43.19	3.79	41.30	41.30	39.32	39.32	37.19	37.19	5.21
	62 (16.7)	45.80	44.60	3.38	43.61	3.79	41.40	41.17	39.32	39.32	37.19	37.19	5.21
	67 (19.4)	49.95	37.13	3.38	47.51	3.81	45.00	35.00	42.40	33.90	39.64	32.73	5.23
	72 (22.2)	54.51	29.49	3.37	51.85	3.82	49.14	27.41	46.31	26.34	43.31	25.21	5.27
1800	57 (13.9)	46.41	46.41	3.44	44.48	3.85	42.50	42.50	40.41	40.41	38.18	38.18	5.28
	62 (16.7)	46.62	47.13	3.44	44.48	3.85	42.49	42.49	40.41	40.41	38.17	38.17	5.28
	67 (19.4)	50.61	39.17	3.44	48.08	3.87	45.50	37.00	42.82	35.87	39.99	34.68	5.30
	72 (22.2)	55.20	30.70	3.43	52.46	3.88	49.66	28.60	46.76	27.51	43.68	26.37	5.34

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*FBACNF048	1.00	1.00	58CV(A.X)090 – 16	CNPV*6024A**	1.02	0.92	58CV(A.X)155 – 22	CNPV*4821A**	0.99	0.93	59*N*A080V21**20
FBACNF060	1.01	0.97		CSPH*4812A**	1.01	0.93	58CV(A.X)155 – 22	CSPH*4812A**	1.00	0.94	59*N*A080V21**20
FE4ANB.F005	1.02	0.94		CSPH*6012A**	1.02	0.92	58CV(A.X)155 – 22	CSPH*6012A**	1.01	0.93	59*N*A080V21**20
FE4ANB006	1.02	0.92		CAP**4821A**	1.00	0.96	58PH*090 – 16	CAP**4821A**	0.99	0.93	59*N*A100V21**22
FV4CNB.F005	1.02	0.94		CAP**6021A**	1.02	0.96	58PH*090 – 16	CAP**6021A**	1.01	0.95	59*N*A100V21**22
FV4CNB006	1.02	0.92		CNPH*4821A**	1.00	0.94	58PH*090 – 16	CNPH*4821A**	1.00	0.94	59*N*A100V21**22
FX4DNB.F049	1.02	0.94		CNPV*4821A**	1.00	0.94	58PH*090 – 16	CNPV*4821A**	1.00	0.94	59*N*A100V21**22
FX4DNB.F061	1.02	0.92		CSPH*4812A**	1.01	0.95	58PH*090 – 16	CSPH*4812A**	1.01	0.95	59*N*A100V21**22
CAP**4817A**	1.00	0.97		CSPH*6012A**	1.02	0.96	58PH*090 – 16	CSPH*6012A**	1.02	0.94	59*N*A100V21**22
CAP**6021A**	1.02	0.99		CAP**4821A**	1.00	0.94	58PH*110 – 20	CAP**4824A**	0.99	0.93	59*N*A120V24**22
CAP**6024A**	1.02	0.99		CAP**6021A**	1.02	0.94	58PH*110 – 20	CAP**6024A**	1.01	0.95	59*N*A120V24**22
CSPH*4812A**	1.00	0.96	58CV(A.X)090 – 16	CNPH*4821A**	1.00	0.94	58PH*110 – 20	CNPV*4821A**	1.01	0.95	59*PSA080E17**16
CAP**6025A**	1.02	0.99		CNPV*4821A**	1.00	0.94	58PH*135 – 20	CSPH*4812A**	1.00	0.97	59*PSA080E17**16
CNPV*6024A**	1.02	0.99		CNPV*4821A**	1.00	0.94	58PH*110 – 20	CSPH*6012A**	1.01	0.98	59*PSA080E17**16
CNPV*6024A**	1.02	0.99		CSPH*4812A**	1.01	0.95	58PH*110 – 20	CAP**4821A**	1.00	0.96	59*PSA080E21**20
CNPV*4821A**	1.00	0.94	58CV(A.X)110 – 20	CSPH*6012A**	1.02	0.94	58PH*110 – 20	CAP**6021A**	1.02	0.96	59*PSA080E21**20
CNPV*4821A**	1.00	0.94	58CV(A.X)110 – 20	CSPH*4812A**	1.02	0.94	58PH*135 – 20	CNPV*4821A**	1.00	0.94	59*PSA080E21**20
CSPH*4812A**	1.00	0.94	58CV(A.X)110 – 20	CAP**4821A**	0.99	0.95	58VLR120 – 20	CNPV*4821A**	1.01	0.95	59*PSA080E21**20
CSPH*6012A**	1.02	0.94	58CV(A.X)110 – 20	CAP**6021A**	1.01	0.95	58VLR120 – 20	CSPH*4812A**	1.02	0.96	59*PSA100E21**20
CAP**4824A**	1.00	0.94	58CV(A.X)135 – 22	CNPH*4821A**	1.00	0.94	58VLR120 – 20	CAP**6021A**	0.99	0.95	59*PSA100E21**20
CAP**6024A**	1.02	0.94	58CV(A.X)135 – 22	CNPV*4821A**	1.00	0.94	58VLR120 – 20	CAP**4821A**	1.00	0.96	59*PSA100E21**20
CNPV*4824A**	1.00	0.94	58CV(A.X)135 – 22	CAP**6021A**	1.01	0.95	58VLR120 – 20	CNPV*4821A**	1.00	0.94	59*PSA100E21**20
CNPV*6024A**	1.02	0.94	58CV(A.X)135 – 22	CAP**6024A**	1.00	0.94	58VLR120 – 20	CSPH*4812A**	1.01	0.95	59*PSA100E21**20
CSPH*4812A**	1.00	0.95	58CV(A.X)135 – 22	CNPV*4821A**	1.00	0.94	58VLR120 – 20	CAP**6021A**	1.02	0.96	59*PSA120E24**22
CSPH*6012A**	1.02	0.94	58CV(A.X)155 – 22	CSPH*4812A**	1.01	0.96	58VLR120 – 20	CAP**4824A**	1.00	0.96	59*PSA120E24**22
CAP**4824A**	1.00	0.94	58CV(A.X)155 – 22	CNPV*4821A**	1.00	0.96	58VLR120 – 20	CAP**6024A**	1.02	0.96	59*PSA120E24**22
CAP**6024A**	1.02	0.94	58CV(A.X)155 – 22	CSPH*6012A**	1.02	0.96	58VLR120 – 20	CAP**6025A**	1.02	0.96	59*PSA120E24**22
CNPV*4824A**	1.00	0.92	58CV(A.X)155 – 22	CAP**6021A**	1.01	0.95	59*N*A080V21**20	CNPV*6024A**	1.02	0.96	59*PSA120E24**22
CNPV*6024A**	1.02	0.92	58CV(A.X)155 – 22	CNPV*4821A**	1.01	0.95	59*N*A080V21**20	CNPV*4824A**	1.00	0.94	59*PSA120E24**22

CH13NA

DETAILED COOLING CAPACITIES* (CONT.)

CH13NA048 – A Outdoor Section With FB4CNF048 Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*6024A**	1.02	0.96	59*P5A120E24**22
CSPH*4812A**	1.01	0.95	59*P5A120E24**22
CSPH*6012A**	1.02	0.96	59*P5A120E24**22
CAP**4821A**	0.98	0.95	59MN7A060V21**20
CAP**6021A**	1.00	0.96	59MN7A060V21**20
CNPV*4821A**	0.99	0.95	59MN7A060V21**20
CNPV*4821A**	0.99	0.95	59MN7A060V21**20
CSPH*4812A**	0.99	0.95	59MN7A060V21**20
CSPH*6012A**	1.01	0.95	59MN7A060V21**20
CAP**4821A**	0.99	0.95	CVLAAR060120
CAP**6021A**	1.01	0.95	CVLAAR060120
CNPV*4821A**	1.00	0.94	CVLAAR060120
CNPV*4821A**	1.00	0.94	CVLAAR060120
CSPH*4812A**	1.01	0.95	CVLAAR060120
CSPH*6012A**	1.02	0.94	CVLAAR060120
CAP**4821A**	0.99	0.95	CVMAAR060120
CAP**6021A**	1.01	0.95	CVMAAR060120
CNPV*4821A**	1.00	0.96	CVMAAR060120
CNPV*4821A**	1.00	0.96	CVMAAR060120
CSPH*4812A**	1.02	0.96	CVMAAR060120
CSPH*6012A**	1.02	0.96	CVMAAR060120
CAP**6021A**	1.01	0.98	OVLAA048112
CSPH*6012A**	1.02	0.99	OVLAA048112
CSPH*4812A**	1.02	0.99	OVLAA060154
CSPH*6012A**	1.02	0.96	OVLAA060154

See notes on pg. 31

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)														
CFM	EWB ° F (° C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)		
		Capacity Total†	Capacity MBtuh Sens†	Total Sys. KW**	Capacity Total†	Capacity MBtuh Sens†	Total Sys. KW**	Capacity Total†	Capacity MBtuh Sens†	Total Sys. KW**	Capacity Total†	Capacity MBtuh Sens†	Total Sys. KW**	Capacity Total†	Capacity MBtuh Sens†	Total Sys. KW**
CH18NA060 – A Outdoor Section With FX4DN(B)061 Indoor Section																
1750	57 (13.9)	55.54	55.54	4.16	53.48	53.48	4.59	51.28	51.28	5.08	48.90	48.90	5.65	46.29	46.29	6.29
	62 (16.7)	57.44	52.66	4.18	54.88	51.38	4.61	52.18	50.00	5.10	49.30	48.49	5.65	46.30	46.30	6.29
	67 (19.4)	62.76	44.11	4.26	59.97	42.89	4.69	57.00	41.60	5.18	53.81	40.23	5.74	50.35	38.77	6.37
	72 (22.2)	68.52	35.51	4.35	65.52	34.33	4.79	62.31	33.07	5.28	58.87	31.74	5.84	55.14	30.30	6.47
2000	57 (13.9)	57.66	57.66	4.26	55.47	55.47	4.70	53.13	53.13	5.19	50.59	50.59	5.76	47.81	47.81	6.40
	62 (16.7)	58.62	56.27	4.28	56.00	54.88	4.71	53.27	52.93	5.19	50.59	50.59	5.76	47.81	47.81	6.40
	67 (19.4)	63.88	46.77	4.35	60.98	45.53	4.79	57.88	44.22	5.27	54.57	42.83	5.83	50.98	41.32	6.46
	72 (22.2)	69.71	37.09	4.44	66.59	35.89	4.88	63.26	34.61	5.37	59.70	33.24	5.93	55.84	31.77	6.56
2250	57 (13.9)	59.42	59.42	4.37	57.10	57.10	4.80	54.63	54.63	5.30	51.97	51.97	5.86	49.05	49.05	6.50
	62 (16.7)	59.64	59.42	4.37	57.10	57.10	4.80	54.63	54.63	5.30	51.96	51.96	5.86	49.04	49.04	6.50
	67 (19.4)	64.70	49.31	4.44	61.71	48.04	4.88	58.52	46.71	5.36	55.12	45.28	5.92	51.44	43.74	6.55
	72 (22.2)	70.61	38.58	4.54	67.39	37.35	4.97	63.96	36.04	5.46	60.30	34.65	6.02	56.34	33.14	6.65

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*FX4DN(B)061	1.00	1.00	
FE4ANB006	1.00	1.00	
FV4CNB006	1.00	1.00	

* Detailed cooling capacities are based on indoor and outdoor unit at the same elevation, per AHRI Standard 210/240 – 2008, and connected by 25 ft of tubing. If other than 25 ft of tubing is used and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

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

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

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

HEAT PUMP HEATING PERFORMANCE

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)																																	
		-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†	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*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*				
CH13NA018-A Outdoor Section With FB4CNF018 Indoor Section																																			
65 (18.3)	525	5.98	5.50	1.06	7.95	7.31	1.11	10.05	9.16	1.16	12.36	10.97	1.22	14.69	13.36	1.28	16.61	18.39	1.33	18.39	18.39	1.39	19.94	1.44											
	600	6.06	5.57	1.06	8.05	7.40	1.11	10.16	9.27	1.15	12.52	11.12	1.20	14.71	13.39	1.25	16.49	18.04	1.29	18.04	18.04	1.33	19.28	1.37											
	675	6.13	5.64	1.06	8.14	7.48	1.11	10.26	9.36	1.15	12.66	11.24	1.19	14.70	13.37	1.23	16.30	18.30	1.27	17.61	17.61	1.30	19.27	1.37											
70 (21.1)	525	5.77	5.31	1.11	7.75	7.12	1.16	9.83	8.97	1.22	12.09	10.74	1.28	14.52	13.21	1.35	16.46	18.46	1.40	18.29	18.29	1.46	19.91	1.52											
	600	5.86	5.39	1.11	7.85	7.22	1.16	9.96	9.08	1.21	12.26	10.89	1.26	14.57	13.26	1.32	16.40	18.40	1.36	18.07	18.07	1.41	19.38	1.45											
	675	5.93	5.46	1.11	7.91	7.27	1.16	10.06	9.17	1.20	12.40	11.01	1.25	14.58	13.27	1.29	16.26	18.26	1.33	17.70	17.70	1.37	18.78	1.40											
75 (23.9)	525	5.54	5.09	1.16	7.53	6.92	1.22	9.60	8.75	1.28	11.82	10.50	1.34	14.26	12.98	1.42	16.28	18.28	1.48	18.14	18.14	1.54	19.83	1.61											
	600	5.62	5.17	1.16	7.64	7.02	1.21	9.73	8.87	1.27	11.99	10.65	1.32	14.39	13.10	1.39	16.27	18.27	1.43	17.97	17.97	1.49	19.40	1.53											
	675	5.70	5.25	1.16	7.73	7.10	1.21	9.84	8.97	1.26	12.13	10.77	1.31	14.47	13.17	1.36	16.20	18.20	1.41	17.72	17.72	1.45	18.86	1.48											

CH13NA018-A Outdoor Section With FB4CNF018 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**2417A**	0.98	0.98	CVMAAR036105
CNPH*2417A**	0.99	0.98	CVMAAR036105
CNPV*2417A**	0.99	0.98	CVMAAR036105
CSPH*2412A**	0.97	0.98	CVMAAR036105
CAP**2417A**	0.98	0.97	OVLAAB036098
CNPH*2417A**	0.99	0.97	OVLAAB036098
CNPV*2417A**	0.99	0.97	OVLAAB036098
CSPH*2412A**	0.97	0.96	OVLAAB036098
CAP**2417A**	0.98	0.96	OVMAAB036098
CNPH*2417A**	0.99	0.96	OVMAAB036098
CNPV*2417A**	0.99	0.96	OVMAAB036098
CSPH*2412A**	0.97	0.96	OVMAAB036098

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*FB4CNF018	1.00	1.00	
FB4CNF024	1.00	1.00	
FE4ANF024	0.95	0.94	
FF1ENP019	0.98	0.96	
FF1ENP025	0.97	0.98	
FV4CNF002	0.95	1.02	
FX4DNF025	0.96	0.95	
CAP**2414A**	0.98	1.00	58CV(A.X)070-12
CNPV*1814A**	0.99	1.01	58CV(A.X)070-12
CNPV*2414A**	0.93	0.99	58CV(A.X)070-12
CSPH*2412A**	0.97	0.99	58CV(A.X)070-12
CAP**2417A**	0.98	0.99	58CV(A.X)090-16
CNPH*2417A**	0.99	0.99	58CV(A.X)090-16
CNPV*2417A**	0.99	0.99	58CV(A.X)090-16
CSPH*2412A**	0.97	0.98	58CV(A.X)090-16
CAP**2414A**	0.98	0.97	58PH*045-08
CNPV*1814A**	1.00	1.00	58PH*045-08
CNPV*2414A**	0.99	0.97	58PH*045-08
CSPH*2412A**	0.97	0.97	58PH*045-08
CAP**2417A**	0.98	0.96	58VLR105-12
CNPH*2417A**	0.99	0.95	58VLR105-12
CNPV*2417A**	0.99	0.95	58VLR105-12
CSPH*2412A**	0.96	0.94	58VLR105-12
CAP**2417A**	0.98	0.98	58VMR105-12
CNPH*2417A**	0.99	0.98	58VMR105-12
CNPV*2417A**	0.99	0.98	58VMR105-12
CSPH*2412A**	0.97	0.98	58VMR105-12
CAP**2417A**	0.98	0.99	59N*A060V17**14
CNPH*2417A**	0.99	0.99	59N*A060V17**14
CNPV*2417A**	0.99	0.99	59N*A060V17**14
CSPH*2412A**	0.97	0.99	59N*A060V17**14
CAP**2417A**	0.98	1.00	59N*A080V17**14
CNPH*2417A**	0.99	0.99	59N*A080V17**14
CNPV*2417A**	0.98	0.99	59N*A080V17**14
CSPH*2412A**	0.97	0.99	59N*A080V17**14
CAP**2417A**	0.98	0.96	59MNTA060V21**20
CNPH*2417A**	0.99	0.95	CVLAAR036105
CNPV*2417A**	0.99	0.95	CVLAAR036105
CSPH*2412A**	0.96	0.94	CVLAAR036105

See notes on pg.43

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)			
		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*	
EDB °F (°C)	CFM	CH13NA024-A Outdoor Section With F64CNF024 Indoor Section																															
65 (18.3)	700	8.24	7.58	1.40	10.68	9.81	1.48	13.21	12.04	1.55	15.86	14.08	1.61	18.69	17.01	1.67	21.18	21.18	1.71	23.49	23.49	1.77	25.56	25.56	1.84								
	800	8.38	7.71	1.40	10.83	9.96	1.48	13.39	12.20	1.54	16.05	14.26	1.59	18.87	17.17	1.63	21.20	21.20	1.67	23.29	23.29	1.72	25.20	25.20	1.76								
	900	8.50	7.82	1.41	10.97	10.08	1.48	13.54	12.34	1.53	16.21	14.40	1.58	18.98	17.27	1.61	21.17	21.17	1.64	23.06	23.06	1.68	24.76	24.76	1.72								
70 (21.1)	700	7.89	7.26	1.46	10.35	9.51	1.55	12.89	11.75	1.62	15.59	13.84	1.69	18.38	16.72	1.76	20.94	20.94	1.80	23.26	23.26	1.87	25.34	25.34	1.93								
	800	8.03	7.39	1.46	10.51	9.66	1.55	13.07	11.92	1.61	15.79	14.02	1.67	18.58	16.91	1.72	21.00	21.00	1.76	23.13	23.13	1.81	25.08	25.08	1.86								
	900	8.15	7.50	1.47	10.65	9.78	1.55	13.23	12.06	1.60	15.94	14.15	1.65	18.73	17.05	1.70	21.02	21.02	1.73	22.97	22.97	1.77	24.74	24.74	1.81								
75 (23.9)	700	7.49	6.89	1.53	10.00	9.19	1.62	12.55	11.44	1.70	15.26	13.55	1.77	18.07	16.44	1.85	20.67	20.67	1.90	23.02	23.02	1.97	25.08	25.08	2.04								
	800	7.64	7.03	1.53	10.16	9.34	1.62	12.74	11.61	1.69	15.47	13.74	1.75	18.29	16.64	1.81	20.78	20.78	1.85	22.99	22.99	1.91	24.90	24.90	1.96								
	900	7.77	7.15	1.54	10.30	9.46	1.62	12.90	11.76	1.68	15.65	13.90	1.74	18.45	16.79	1.79	20.83	20.83	1.82	22.90	22.90	1.87	24.65	24.65	1.91								

HEATING INDOOR MODEL				FURNACE MODEL			
	CAPACITY	POWER			CAPACITY	POWER	
*FB4CNF024	1.00	1.00		58VLR105-12	1.00	0.95	58VLR105-12
FB4CNF030	1.00	0.96		58VLR105-12	1.00	0.96	58VLR105-12
FE4ANIB.FI003	0.99	0.94		58VLR105-12	1.00	0.95	58VLR105-12
FE4ANF002	0.99	0.95		58VLR105-12	1.00	0.96	58VLR105-12
FF1ENP025	1.01	0.99		58VLR105-12	1.00	0.95	58VLR105-12
FF1ENP031	1.01	0.98		58VMR105-12	0.99	0.99	58VMR105-12
FF1ENP031	0.99	0.94		58VMR105-12	0.99	0.97	58VMR105-12
FV4CNF002	0.99	0.95		58VMR105-12	1.00	0.99	58VMR105-12
FV4DNIB.FI031	1.01	0.96		58VMR105-12	0.99	0.97	58VMR105-12
FX4DNF025	1.01	0.96		58VMR105-12	1.00	0.99	58VMR105-12
CAP**2414A**	0.99	0.99		58VMR105-12	0.99	0.97	58VMR105-12
CAP**3014A**	0.99	0.97		58VMR105-12	1.00	0.99	58VMR105-12
CNPV*2414A**	0.99	0.97		58VMR105-12	1.00	0.97	58VMR105-12
CNPV*3014A**	0.99	0.97		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.97		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.97		59*N*A060V17**14	1.00	0.98	59*N*A060V17**14
CAP**3017A**	0.99	0.96		59*N*A060V17**14	1.00	0.99	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	1.00	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	1.00	0.99	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	1.00	0.97	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CSPH*2412A**	1.00	0.98		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CSPH*3012A**	1.00	0.96		59*N*A060V17**14	0.99	0.99	59*N*A060V17**14
CAP**2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CAP**3017A**	0.99	0.97		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*2417A**	0.99	0.96		59*N*A060V17**14	0.99	0.98	59*N*A060V17**14
CNPV*3017A**	0.99	0.96		59*N*A060V17**14	0.99	0.97	59*N*A060V17**14
CNPV*2417A**	0.99	0					

HEAT PUMP HEATING PERFORMANCE

CH13NA024 – A Outdoor Section With FB4CNIF024 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**3017A**	0.99	0.95	OVMAAB042112
CNPH*2417A**	1.00	0.97	OVMAAB042112
CNPH*3017A**	0.99	0.95	OVMAAB042112
CNPV*2417A**	1.00	0.97	OVMAAB042112
CNPV*3017A**	0.99	0.95	OVMAAB042112
CSPH*2412A**	1.00	0.97	OVMAAB042112
CSPH*3012A**	1.00	0.96	OVMAAB042112

See notes on pg.43

HEAT PUMP HEATING PERFORMANCE

CH13NA030 – A Outdoor Section With FB4CNIF030 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*3017A**	1.04	1.07	OVMAAB036098
CNPH*3617A**	1.04	1.07	OVMAAB036098
CNPV*3017A**	1.04	1.07	OVMAAB036098
CNPV*3617A**	1.04	1.07	OVMAAB036098
CSPH*3012A**	1.05	1.05	OVMAAB036098
CSPH*3612A**	1.04	1.02	OVMAAB036098
CAP**3017A**	1.03	1.03	OVMAAB042112
CAP**3617A**	1.03	1.03	OVMAAB042112
CNPH*3017A**	1.03	1.04	OVMAAB042112
CNPH*3617A**	1.03	1.04	OVMAAB042112
CNPV*3017A**	1.03	1.04	OVMAAB042112
CNPV*3617A**	1.03	1.04	OVMAAB042112
CSPH*3012A**	1.04	1.03	OVMAAB042112
CSPH*3612A**	1.03	1.00	OVMAAB042112

See notes on pg.43

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†	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*								
CH13NA036-A Outdoor Section With F64CNF036 Indoor Section																									
65 (18.3)	1050	13.10	12.05	2.16	16.57	15.23	2.25	20.30	18.51	2.35	24.33	21.61	2.45	28.66	26.08	2.57	33.16	33.16	2.69	37.42	37.42	2.81	41.70	41.70	2.94
	1200	13.34	12.27	2.17	16.84	15.47	2.25	20.60	18.78	2.34	24.67	21.91	2.43	29.03	26.42	2.54	33.45	33.45	2.64	37.56	37.56	2.74	41.70	41.70	2.85
	1350	13.55	12.46	2.19	17.07	15.68	2.26	20.85	19.01	2.34	24.95	22.16	2.43	29.32	26.68	2.52	33.63	33.63	2.60	37.60	37.60	2.69	41.55	41.55	2.79
70 (21.1)	1050	12.54	11.53	2.26	16.04	14.74	2.36	19.80	18.05	2.46	23.84	21.18	2.56	28.17	25.64	2.69	32.68	32.68	2.82	36.93	36.93	2.94	41.14	41.14	3.08
	1200	12.78	11.75	2.27	16.31	14.99	2.36	21.42	19.53	2.14	24.19	21.48	2.55	28.56	25.99	2.66	33.00	33.00	2.76	37.11	37.11	2.87	41.23	41.23	2.99
	1350	12.99	11.95	2.29	16.55	15.21	2.37	20.36	18.57	2.45	24.48	21.74	2.54	28.88	26.28	2.64	33.22	33.22	2.73	37.19	37.19	2.82	41.17	41.17	2.93
75 (23.9)	1050	11.91	10.96	2.37	15.48	14.22	2.47	19.26	17.56	2.57	23.32	20.71	2.69	27.67	25.18	2.82	32.27	32.27	2.96	36.54	36.54	3.08	40.57	40.57	3.23
	1200	12.15	11.18	2.38	15.75	14.48	2.47	19.59	17.86	2.56	23.68	21.03	2.66	28.07	25.54	2.79	32.52	32.52	2.90	36.68	36.68	3.01	40.72	40.72	3.13
	1350	12.37	11.38	2.40	15.99	14.70	2.48	19.84	18.09	2.56	23.98	21.29	2.66	28.39	25.84	2.77	32.79	32.79	2.86	36.75	36.75	2.96	40.73	40.73	3.07

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*FB4CNF036	1.00	1.00		CNPV*4217A**	1.00	0.98	58PH*070-16	CNPV*3621A**	0.99	1.00	58WMR120-20
FB4CNF042	1.00	0.95		CSPH*3612A**	1.01	0.99	58PH*070-16	CNPV*4221A**	0.99	0.99	58WMR120-20
FE4ANB.F003	0.99	0.97		CSPH*4212A**	1.01	0.97	58PH*070-16	CSPH*3612A**	1.00	0.98	58WMR120-20
FE4ANB.F005	1.00	0.93		CAP**3621A**	0.99	0.97	58PH*090-16	CSPH*4212A**	1.00	0.97	58WMR120-20
FE4ANF002	1.00	0.99		CAP**4221A**	1.00	0.97	58PH*090-16	CAP**3617A**	0.99	1.02	59N*A060V17**14
FF1ENP037	1.01	1.03		CNPV*4221A**	1.00	0.97	58PH*090-16	CNPV*3617A**	0.99	1.03	59N*A060V17**14
FV4CNB.F003	0.99	0.97		CNPV*3621A**	0.99	0.99	58PH*090-16	CNPV*3617A**	0.99	1.03	59N*A060V17**14
FV4CNB.F005	1.00	0.93		CNPV*4221A**	1.00	0.97	58PH*090-16	CNPV*4212A**	1.00	1.01	59N*A060V17**14
FV4CNF002	1.00	0.99		CSPH*3612A**	1.00	0.96	58PH*090-16	CSPH*3612A**	1.00	1.01	59N*A060V17**14
FX4DNB.F0037	1.01	0.95		CSPH*4212A**	1.00	0.95	58PH*090-16	CSPH*4212A**	1.00	0.99	59N*A060V17**14
FX4DNB.F043	1.01	0.95		CAP**3621A**	1.00	0.97	58PH*110-20	CAP**3617A**	0.99	1.01	59N*A080V21**20
CSPH*4212A**	1.03	1.01		CAP**4221A**	1.00	0.96	58PH*110-20	CNPV*3617A**	0.99	1.02	59N*A080V21**20
CAP**3614A**	0.99	1.01		CNPV*4221A**	1.00	0.97	58PH*110-20	CNPV*3617A**	0.99	1.02	59N*A080V21**20
CSPH*3612A**	1.00	0.98		CNPV*3621A**	0.99	0.98	58PH*110-20	CNPV*4217A**	0.99	0.99	59N*A080V17**14
CSPH*4212A**	1.00	0.97		CNPV*4221A**	1.00	0.97	58PH*110-20	CSPH*3612A**	0.99	0.99	59N*A080V17**14
CAP**3617A**	0.99	0.99		CSPH*3612A**	1.00	0.95	58PH*110-20	CSPH*4212A**	1.00	0.98	59N*A080V17**14
CNPV*3617A**	0.99	1.00		CSPH*4212A**	1.00	0.94	58PH*110-20	CAP**3621A**	0.98	0.98	59N*A080V21**20
CNPV*3617A**	1.00	1.00		CAP**3617A**	1.00	1.00	58VLR105-12	CAP**4221A**	0.99	0.98	59N*A080V21**20
CSPH*4217A**	1.00	0.97		CNPV*3617A**	1.00	1.01	58VLR105-12	CNPV*4221A**	0.99	0.98	59N*A080V21**20
CSPH*3612A**	1.00	0.97		CNPV*3617A**	1.00	1.01	58VLR105-12	CNPV*3621A**	0.99	1.00	59N*A080V21**20
CSPH*4212A**	1.00	0.96		CNPV*4217A**	1.00	0.97	58VLR105-12	CNPV*4221A**	0.99	0.98	59N*A080V21**20
CAP**3621A**	0.99	0.98		CSPH*3612A**	1.00	0.97	58VLR105-12	CSPH*3612A**	0.99	0.97	59N*A080V21**20
CNPV*4221A**	0.99	0.98		CSPH*4212A**	1.01	0.97	58VLR105-12	CSPH*4212A**	0.99	0.96	59N*A080V21**20
CNPV*3621A**	0.99	1.00		CAP**3621A**	0.99	0.98	58VLR120-20	CAP**3621A**	0.99	0.98	59N*A100V21**22
CNPV*4221A**	0.99	1.00		CAP**4221A**	0.99	0.97	58VLR120-20	CAP**4221A**	0.99	0.97	59N*A100V21**22
CSPH*3612A**	0.99	0.98		CNPV*4221A**	0.99	0.98	58VLR120-20	CNPV*4221A**	0.99	0.98	59N*A100V21**22
CSPH*4212A**	1.00	0.97		CNPV*3621A**	0.99	0.98	58VLR120-20	CNPV*3621A**	0.99	0.99	59N*A100V21**22
CAP**4224A**	0.99	0.97		CNPV*4221A**	0.99	0.98	58VLR120-20	CNPV*4212A**	0.99	0.98	59N*A100V21**22
CSPH*3612A**	1.00	0.97		CSPH*3612A**	1.00	0.96	58VLR120-20	CSPH*3612A**	1.00	0.97	59N*A100V21**22
CSPH*4212A**	1.00	0.97		CSPH*4212A**	1.00	0.96	58VLR120-20	CSPH*4212A**	1.00	0.96	59N*A100V21**22
CAP**3612A**	1.00	0.96		CAP**3617A**	0.99	1.01	58WMR105-12	CAP**4224A**	0.99	0.98	59N*A120V24**22
CSPH*4212A**	0.99	0.96		CNPV*3617A**	0.99	1.02	58WMR105-12	CSPH*3612A**	0.99	0.97	59N*A120V24**22
CSPH*3612A**	0.99	0.95		CNPV*3617A**	0.99	1.02	58WMR105-12	CSPH*4212A**	0.99	0.96	59N*A120V24**22
CSPH*4212A**	1.00	0.95		CNPV*4217A**	1.00	0.99	58WMR105-12	CAP**3617A**	1.00	1.01	59*PSA060E17**14
CSPH*3612A**	1.01	1.01		CSPH*3612A**	1.00	0.99	58WMR105-12	CNPV*3617A**	1.00	1.02	59*PSA060E17**14
CSPH*4212A**	1.02	1.00		CSPH*4212A**	1.00	0.98	58WMR105-12	CNPV*3617A**	1.00	1.02	59*PSA060E17**14
CAP**3617A**	1.00	1.01		CAP**3621A**	0.99	0.99	58WMR120-20	CNPV*4217A**	1.00	0.99	59*PSA060E17**14
CNPV*3617A**	1.00	1.02		CNPV*4221A**	0.99	0.99	58WMR120-20	CSPH*3612A**	1.01	0.99	59*PSA060E17**14
CNPV*3617A**	1.00	1.02		CNPV*4221A**	0.99	0.99	58WMR120-20	CSPH*4212A**	1.01	0.98	59*PSA060E17**14

CH13NA

HEAT PUMP HEATING PERFORMANCE

CH13NA036 – A Outdoor Section With FB4CNF036 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**3617A**	1.00	1.02	OVMAAB036098
CNPH*3617A**	1.00	1.03	OVMAAB036098
CNPV*3617A**	1.00	1.03	OVMAAB036098
CNPV*4217A**	1.01	1.00	OVMAAB036098
CSPH*3612A**	1.01	0.99	OVMAAB036098
CSPH*4212A**	1.01	0.98	OVMAAB036098
CAP**3617A**	0.99	1.00	OVMAAB042112
CNPH*3617A**	1.00	1.02	OVMAAB042112
CNPV*3617A**	1.00	1.02	OVMAAB042112
CNPV*4217A**	1.00	0.98	OVMAAB042112
CSPH*3612A**	1.00	0.98	OVMAAB042112
CSPH*4212A**	1.00	0.97	OVMAAB042112

See notes on pg.43

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**3617A**	0.99	1.01	59*P5A080E17**16
CNPH*3617A**	0.99	1.01	59*P5A080E17**16
CNPV*3617A**	0.99	1.01	59*P5A080E17**16
CNPV*4217A**	1.00	0.99	59*P5A080E17**16
CSPH*3612A**	1.00	0.98	59*P5A080E17**16
CSPH*4212A**	1.00	0.97	59*P5A080E17**16
CAP**3621A**	0.99	1.01	59MN7A060V21**20
CAP**4221A**	0.99	0.99	59MN7A060V21**20
CNPH*4221A**	0.99	1.00	59MN7A060V21**20
CNPV*3621A**	0.99	1.02	59MN7A060V21**20
CNPV*4221A**	0.99	1.00	59MN7A060V21**20
CSPH*3612A**	0.99	0.98	59MN7A060V21**20
CSPH*4212A**	1.00	0.98	59MN7A060V21**20
CAP**3617A**	1.00	1.00	CVLAAR036105
CNPH*3617A**	1.00	1.01	CVLAAR036105
CNPV*3617A**	1.00	1.01	CVLAAR036105
CNPV*4217A**	1.00	0.97	CVLAAR036105
CSPH*3612A**	1.00	0.97	CVLAAR036105
CSPH*4212A**	1.01	0.97	CVLAAR036105
CAP**3621A**	0.99	0.98	CVLAAR060120
CAP**4221A**	0.99	0.97	CVLAAR060120
CNPH*4221A**	0.99	0.98	CVLAAR060120
CNPV*3621A**	0.99	0.99	CVLAAR060120
CNPV*4221A**	0.99	0.98	CVLAAR060120
CSPH*3612A**	0.99	0.96	CVLAAR060120
CSPH*4212A**	1.00	0.96	CVLAAR060120
CAP**3617A**	0.99	1.01	CVMAAR036105
CNPH*3617A**	0.99	1.02	CVMAAR036105
CNPV*3617A**	0.99	1.02	CVMAAR036105
CNPV*4217A**	1.00	0.99	CVMAAR036105
CSPH*3612A**	1.00	0.99	CVMAAR036105
CSPH*4212A**	1.00	0.98	CVMAAR036105
CAP**3621A**	0.99	0.99	CVMAAR060120
CAP**4221A**	0.99	0.99	CVMAAR060120
CNPH*4221A**	0.99	0.99	CVMAAR060120
CNPV*3621A**	0.99	1.00	CVMAAR060120
CNPV*4221A**	0.99	0.99	CVMAAR060120
CSPH*3612A**	1.00	0.98	CVMAAR060120
CSPH*4212A**	1.00	0.97	CVMAAR060120
CAP**3617A**	1.00	1.02	OVLAAB036098
CNPH*3617A**	1.00	1.04	OVLAAB036098
CNPV*3617A**	1.00	1.04	OVLAAB036098
CNPV*4217A**	1.00	1.00	OVLAAB036098
CSPH*3612A**	1.00	0.99	OVLAAB036098
CSPH*4212A**	1.01	0.99	OVLAAB036098
CAP**3621A**	1.00	0.99	OVLAAB048112
CAP**4221A**	1.00	0.99	OVLAAB048112
CNPH*4221A**	1.00	0.99	OVLAAB048112
CNPV*3621A**	1.00	1.01	OVLAAB048112
CNPV*4221A**	1.00	0.99	OVLAAB048112
CSPH*3612A**	1.01	0.98	OVLAAB048112
CSPH*4212A**	1.01	0.97	OVLAAB048112
CSPH*3612A**	1.02	0.95	OVLAAB060154
CSPH*4212A**	1.02	0.94	OVLAAB060154

HEAT PUMP HEATING PERFORMANCE

OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)										CH13NA042-A Outdoor Section With F64CNF042 Indoor Section															
INDOOR AIR		-3 (-19.4)			7 (-13.9)			17 (-8.3)			27 (-2.8)			37 (2.8)			47 (8.3)			57 (13.9)			67 (19.4)		
EDB ° F (° C)	CFM	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†	Capacity MBtuh		Total Sys. KW†
		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
65 (18.3)	1225	16.50	15.18	2.35	20.70	19.02	2.49	25.09	22.87	2.65	29.65	26.33	2.82	34.58	31.47	2.98	39.24	39.24	3.09	43.69	43.69	3.20	48.12	48.12	3.30
	1400	16.79	15.44	2.36	21.01	19.30	2.50	25.43	23.19	2.65	30.03	26.67	2.81	34.96	31.81	2.95	39.41	39.41	3.04	43.59	43.59	3.13	47.74	47.74	3.21
	1575	17.04	15.67	2.37	21.27	19.55	2.51	25.73	23.46	2.65	30.34	26.95	2.80	35.23	32.06	2.93	39.45	39.45	3.01	43.38	43.38	3.09	47.21	47.21	3.15
70 (21.1)	1225	15.96	14.66	2.49	20.18	18.55	2.63	24.58	22.41	2.78	29.24	25.97	2.95	34.06	30.99	3.11	38.78	38.78	3.23	43.24	43.24	3.34	47.59	47.59	3.46
	1400	16.25	14.95	2.50	20.50	18.84	2.63	24.93	22.73	2.77	29.60	26.29	2.93	34.48	31.38	3.08	39.00	39.00	3.17	43.20	43.20	3.27	47.37	47.37	3.36
	1575	16.50	15.16	2.52	20.78	19.09	2.64	25.24	23.01	2.78	29.89	26.55	2.93	34.79	31.66	3.06	39.11	39.11	3.15	43.07	43.07	3.23	46.98	46.98	3.30
76 (23.9)	1225	15.36	14.13	2.64	19.62	18.03	2.77	24.03	21.91	2.91	28.71	25.50	3.08	33.55	30.53	3.25	38.29	38.29	3.37	42.81	42.81	3.50	47.05	47.05	3.62
	1400	15.64	14.39	2.65	19.95	18.33	2.77	24.40	22.25	2.91	29.11	25.86	3.06	33.99	30.94	3.22	38.52	38.52	3.32	43.04	43.04	3.43	46.92	46.92	3.52
	1575	15.90	14.63	2.67	20.23	18.59	2.78	24.71	22.53	2.91	29.46	26.16	3.06	34.32	31.23	3.19	38.70	38.70	3.29	43.01	43.01	3.38	46.64	46.64	3.46

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*FB4CNF042	1.00	1.00		CSPH*4812A**	1.00	0.99	58PH*090-16	CSPH*4812A**	1.00	0.99	58PH*110-20	CSPH*4812A**	1.00	0.99	58PH*110-20
FE4ANB.F003	0.97	1.00		CAP**4221A**	0.99	1.00	58PH*110-20	CAP**4221A**	0.99	1.00	58PH*110-20	CAP**4221A**	0.99	1.00	58PH*110-20
FE4ANB.F005	0.99	0.96		CAP**4821A**	0.99	0.98	58PH*110-20	CAP**4821A**	0.99	0.98	58PH*110-20	CAP**4821A**	0.99	0.98	58PH*110-20
FV4CNB.F003	0.97	1.00		CNPH*4221A**	0.99	1.01	58PH*110-20	CNPH*4221A**	0.99	1.01	58PH*110-20	CNPH*4221A**	0.99	1.01	58PH*110-20
FV4CNB.F005	0.99	0.96		CNPH*4812A**	0.99	0.97	58PH*110-20	CNPH*4812A**	0.99	0.97	58PH*110-20	CNPH*4812A**	0.99	0.97	58PH*110-20
FX4DNB.F043	1.00	0.99		CNPV*4221A**	0.99	1.01	58PH*110-20	CNPV*4221A**	0.99	1.01	58PH*110-20	CNPV*4221A**	0.99	1.01	58PH*110-20
FX4DNB.F049	1.00	0.95		CNPV*4821A**	0.99	0.97	58PH*110-20	CNPV*4821A**	0.99	0.97	58PH*110-20	CNPV*4821A**	0.99	0.97	58PH*110-20
CSPH*4812A**	1.00	1.02	58CV(A.X)070-12	CSPH*4812A**	0.99	0.98	58PH*135-20	CSPH*4812A**	0.99	0.98	58PH*135-20	CSPH*4812A**	0.99	0.98	58PH*135-20
CSPH*4812A**	1.00	1.01	58CV(A.X)070-12	CAP**4224A**	0.99	1.00	58PH*135-20	CAP**4224A**	0.99	1.00	58PH*135-20	CAP**4224A**	0.99	1.00	58PH*135-20
CAP**4817A**	1.00	0.98	58CV(A.X)090-16	CAP**4824A**	1.00	0.99	58PH*135-20	CAP**4824A**	1.00	0.99	58PH*135-20	CAP**4824A**	1.00	0.99	58PH*135-20
CNPV*4217A**	0.99	1.00	58CV(A.X)090-16	CNPV*4824A**	1.00	0.99	58PH*135-20	CNPV*4824A**	1.00	0.99	58PH*135-20	CNPV*4824A**	1.00	0.99	58PH*135-20
CSPH*4812A**	0.99	0.99	58CV(A.X)090-16	CSPH*4812A**	0.99	0.98	58PH*135-20	CSPH*4812A**	0.99	0.98	58PH*135-20	CSPH*4812A**	0.99	0.98	58PH*135-20
CSPH*4812A**	1.00	0.99	58CV(A.X)090-16	CSPH*4812A**	1.00	0.99	58PH*135-20	CSPH*4812A**	1.00	0.99	58PH*135-20	CSPH*4812A**	1.00	0.99	58PH*135-20
CAP**4221A**	0.99	1.02	58CV(A.X)110-20	CAP**4221A**	0.97	1.00	58VLR120-20	CAP**4221A**	0.97	1.00	58VLR120-20	CAP**4221A**	0.97	1.00	58VLR120-20
CAP**4821A**	0.99	0.99	58CV(A.X)110-20	CAP**4821A**	0.99	0.99	58VLR120-20	CAP**4821A**	0.99	0.99	58VLR120-20	CAP**4821A**	0.99	0.99	58VLR120-20
CNPH*4221A**	0.99	1.02	58CV(A.X)110-20	CNPH*4221A**	0.99	1.02	58VLR120-20	CNPH*4221A**	0.99	1.02	58VLR120-20	CNPH*4221A**	0.99	1.02	58VLR120-20
CNPV*4821A**	0.99	0.98	58CV(A.X)110-20	CNPV*4821A**	0.99	0.99	58VLR120-20	CNPV*4821A**	0.99	0.99	58VLR120-20	CNPV*4821A**	0.99	0.99	58VLR120-20
CNPV*4821A**	0.99	1.02	58CV(A.X)110-20	CNPV*4821A**	0.99	1.02	58VLR120-20	CNPV*4821A**	0.99	1.02	58VLR120-20	CNPV*4821A**	0.99	1.02	58VLR120-20
CSPH*4812A**	0.99	0.98	58CV(A.X)135-22	CSPH*4812A**	0.99	0.99	58VLR120-20	CSPH*4812A**	0.99	0.99	58VLR120-20	CSPH*4812A**	0.99	0.99	58VLR120-20
CSPH*4812A**	0.99	0.98	58CV(A.X)135-22	CSPH*4812A**	0.99	0.98	58VLR120-20	CSPH*4812A**	0.99	0.98	58VLR120-20	CSPH*4812A**	0.99	0.98	58VLR120-20
CAP**4224A**	1.00	0.99	58CV(A.X)135-22	CAP**4224A**	0.99	1.00	58VLR120-20	CAP**4224A**	0.99	1.00	58VLR120-20	CAP**4224A**	0.99	1.00	58VLR120-20
CAP**4824A**	0.99	0.98	58CV(A.X)135-22	CAP**4824A**	0.99	0.98	58VLR120-20	CAP**4824A**	0.99	0.98	58VLR120-20	CAP**4824A**	0.99	0.98	58VLR120-20
CNPV*4824A**	0.99	0.98	58CV(A.X)135-22	CNPV*4824A**	0.99	0.99	58VLR120-20	CNPV*4824A**	0.99	0.99	58VLR120-20	CNPV*4824A**	0.99	0.99	58VLR120-20
CSPH*4812A**	0.99	0.98	58CV(A.X)135-22	CSPH*4812A**	0.99	0.99	58VLR120-20	CSPH*4812A**	0.99	0.99	58VLR120-20	CSPH*4812A**	0.99	0.99	58VLR120-20
CSPH*4812A**	0.99	0.97	58CV(A.X)135-22	CSPH*4812A**	0.99	0.98	58VLR120-20	CSPH*4812A**	0.99	0.98	58VLR120-20	CSPH*4812A**	0.99	0.98	58VLR120-20
CAP**4224A**	0.97	1.00	58CV(A.X)155-22	CAP**4224A**	0.99	1.00	58VLR120-20	CAP**4224A**	0.99	1.00	58VLR120-20	CAP**4224A**	0.99	1.00	58VLR120-20
CAP**4824A**	0.99	0.98	58CV(A.X)155-22	CAP**4824A**	0.99	0.98	58VLR120-20	CAP**4824A**	0.99	0.98	58VLR120-20	CAP**4824A**	0.99	0.98	58VLR120-20
CNPV*4824A**	0.99	0.98	58CV(A.X)155-22	CNPV*4824A**	0.99	0.99	58VLR120-20	CNPV*4824A**	0.99	0.99	58VLR120-20	CNPV*4824A**	0.99	0.99	58VLR120-20
CSPH*4812A**	0.99	0.97	58CV(A.X)155-22	CSPH*4812A**	0.99	0.98	58VLR120-20	CSPH*4812A**	0.99	0.98	58VLR120-20	CSPH*4812A**	0.99	0.98	58VLR120-20
CSPH*4812A**	0.99	1.01	58PH*090-16	CSPH*4812A**	0.99	1.00	58PH*090-16	CSPH*4812A**	0.99	1.00	58PH*090-16	CSPH*4812A**	0.99	1.00	58PH*090-16
CAP**4821A**	0.99	0.98	58PH*090-16	CAP**4821A**	0.99	0.98	58PH*090-16	CAP**4821A**	0.99	0.98	58PH*090-16	CAP**4821A**	0.99	0.98	58PH*090-16
CNPH*4821A**	1.00	1.02	58PH*090-16	CNPH*4821A**	1.00	1.02	58PH*090-16	CNPH*4821A**	1.00	1.02	58PH*090-16	CNPH*4821A**	1.00	1.02	58PH*090-16
CNPV*4821A**	0.99	0.99	58PH*090-16	CNPV*4821A**	0.99	0.99	58PH*090-16	CNPV*4821A**	0.99	0.99	58PH*090-16	CNPV*4821A**	0.99	0.99	58PH*090-16
CNPV*4821A**	1.00	0.99	58PH*090-16	CNPV*4821A**	1.00	0.99	58PH*090-16	CNPV*4821A**	1.00	0.99	58PH*090-16	CNPV*4821A**	1.00	0.99	58PH*090-16
CSPH*4812A**	0.99	0.98	58PH*090-16	CSPH*4812A**	0.99	0.98	58PH*090-16	CSPH*4812A**	0.99	0.98	58PH*090-16	CSPH*4812A**	0.99	0.98	58PH*090-16

CH13NA

HEAT PUMP HEATING PERFORMANCE

CH13NA042 – A Outdoor Section With FB4CNIF042 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**4821A**	0.99	0.99	CVLAAR060120
CNPH*4221A**	0.99	1.02	CVLAAR060120
CNPH*4821A**	0.99	0.99	CVLAAR060120
CNPV*4221A**	0.99	1.02	CVLAAR060120
CNPV*4821A**	0.99	0.99	CVLAAR060120
CSPH*4212A**	0.99	0.99	CVLAAR060120
CSPH*4812A**	0.99	0.98	CVLAAR060120
CAP**4221A**	0.99	1.02	CVMAAR060120
CAP**4821A**	0.99	1.00	CVMAAR060120
CNPH*4821A**	0.99	0.99	CVMAAR060120
CNPV*4821A**	0.99	0.99	CVMAAR060120
CSPH*4212A**	0.99	0.99	CVMAAR060120
CSPH*4812A**	0.99	0.99	CVMAAR060120
CSPH*4212A**	1.01	0.99	OVLAA060154
CSPH*4812A**	1.01	0.98	OVLAA060154
CAP**4817A**	1.01	1.01	OVMAAB042112
CSPH*4212A**	1.00	1.01	OVMAAB042112
CSPH*4812A**	1.00	1.01	OVMAAB042112

See notes on pg.43

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)		
		Capacity MBtuh		Total Sys. KWh	Capacity MBtuh		Total Sys. KWh	Capacity MBtuh		Total Sys. KWh	Capacity MBtuh		Total Sys. KWh	Capacity MBtuh		Total Sys. KWh	Capacity MBtuh		Total Sys. KWh	Capacity MBtuh		Total Sys. KWh	Capacity MBtuh		Total Sys. KWh
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*	Total	Integ*
CH131NA048-A Outdoor Section With FB4CNP048 Indoor Section																									
1400		19.51	17.94	2.85	24.31	22.34	2.96	29.33	26.75	3.09	34.59	30.72	3.23	39.59	36.03	3.32	43.98	43.98	3.43	48.36	48.36	3.54	52.16	52.16	3.64
65 (18.3)		19.80	18.22	2.87	24.64	22.65	2.98	29.70	27.08	3.09	34.93	31.02	3.20	39.69	36.11	3.29	43.77	43.77	3.38	47.47	47.47	3.46	48.90	48.90	3.48
1800		20.08	18.47	2.91	24.94	22.91	3.00	30.02	27.37	3.11	35.20	31.26	3.20	39.67	36.10	3.28	43.40	43.40	3.35	45.69	45.69	3.39	46.67	46.67	3.39
1400		19.03	17.51	2.97	23.63	21.89	3.09	28.84	26.30	3.22	34.10	30.29	3.37	39.13	35.61	3.48	43.59	43.59	3.60	47.82	47.82	3.72	51.56	51.56	3.82
70 (21.1)		19.34	17.79	3.00	24.17	22.21	3.10	29.23	26.65	3.22	34.49	30.64	3.35	39.28	35.75	3.44	43.50	43.50	3.51	47.26	47.26	3.63	49.18	49.18	3.66
1600		19.61	18.04	3.03	24.48	22.49	3.13	29.56	26.96	3.24	34.80	30.91	3.35	39.37	35.82	3.43	43.31	43.31	3.54	46.39	46.39	3.58	47.58	47.58	3.59
1800		19.61	18.04	3.03	24.48	22.49	3.13	29.56	26.96	3.24	34.80	30.91	3.35	39.37	35.82	3.43	43.31	43.31	3.54	46.39	46.39	3.58	47.58	47.58	3.59
1400		18.48	17.00	3.11	23.28	21.40	3.23	28.31	25.81	3.37	33.63	29.87	3.53	38.65	35.18	3.64	43.12	43.12	3.77	47.48	47.48	3.90	51.18	51.18	4.01
75 (23.9)		18.79	17.29	3.13	23.64	21.72	3.24	28.71	26.17	3.37	34.04	30.24	3.51	38.96	35.38	3.60	43.15	43.15	3.71	47.19	47.19	3.81	48.98	48.98	3.85
1600		19.08	17.55	3.16	23.96	22.01	3.26	29.05	26.49	3.38	34.36	30.52	3.50	38.98	35.47	3.59	43.08	43.08	3.68	46.82	46.82	3.76	48.22	48.22	3.78

[illegible]

HEAT PUMP HEATING PERFORMANCE

CH13NA048 – A Outdoor Section With FB4CNIF048 Indoor Section

HEATING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**6021A**	0.99	1.00	59MN7A060V21**20
CNPH*4821A**	0.99	1.01	59MN7A060V21**20
CNPV*4821A**	0.99	1.01	59MN7A060V21**20
CSPH*4812A**	0.99	1.01	59MN7A060V21**20
CSPH*6012A**	0.99	0.99	59MN7A060V21**20
CAP**4821A**	0.99	0.99	CVLAAR060120
CAP**6021A**	0.99	0.97	CVLAAR060120
CNPH*4821A**	0.99	0.99	CVLAAR060120
CNPV*4821A**	0.99	0.99	CVLAAR060120
CSPH*4812A**	0.99	0.98	CVLAAR060120
CSPH*6012A**	0.99	0.96	CVLAAR060120
CAP**4821A**	0.99	1.00	CVMAAR060120
CAP**6021A**	1.00	0.99	CVMAAR060120
CNPH*4821A**	0.99	0.99	CVMAAR060120
CNPV*4821A**	0.99	0.99	CVMAAR060120
CSPH*4812A**	1.00	1.00	CVMAAR060120
CSPH*6012A**	1.00	0.98	CVMAAR060120
CAP**6021A**	1.01	1.02	OVLAAB048112
CSPH*6012A**	1.01	1.01	OVLAAB048112
CSPH*4812A**	1.02	1.00	OVLAAB060154
CSPH*6012A**	1.02	0.98	OVLAAB060154

See notes on pg.43

HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES ° F (° C)																		
		-3 (-19.4)		7 (-13.9)		17 (-8.3)		27 (-2.8)		37 (2.8)		47 (8.3)		57 (13.9)		67 (19.4)				
		Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†	Capacity MBtuh	Total Sys. KW†			
EDB °F (° C)	CFM	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*			
		CH13NNA060-A Outdoor Section With PF4MNA061 Indoor Section																		
65 (18.3)	1750	23.44	21.56	3.50	29.34	26.96	3.66	35.48	32.35	3.81	42.10	37.39	3.98	48.97	44.56	4.10	55.64	67.11	67.11	4.58
	2000	23.86	21.95	3.54	29.79	27.37	3.68	35.93	32.76	3.81	42.65	37.88	3.96	49.31	44.87	4.07	55.85	63.31	63.31	4.37
	2250	24.24	22.30	3.59	30.19	27.74	3.72	36.35	33.14	3.84	43.06	38.25	3.96	49.56	45.10	4.06	55.88	60.70	60.70	4.26
70 (21.1)	1750	22.60	20.79	3.65	28.59	26.27	3.82	34.80	31.73	3.98	41.43	36.79	4.16	48.38	44.02	4.30	55.00	65.94	65.94	4.78
	2000	23.03	21.19	3.69	29.05	26.70	3.84	35.30	32.18	3.99	41.98	37.28	4.15	48.75	44.36	4.26	55.28	62.80	62.80	4.58
	2250	23.41	21.54	3.73	29.47	27.08	3.88	35.73	32.58	4.01	42.46	37.71	4.15	49.03	44.62	4.25	55.41	61.68	61.68	4.50
75 (23.9)	1750	21.71	19.97	3.80	27.80	25.54	3.99	34.09	31.08	4.17	40.72	36.16	4.36	47.74	43.44	4.51	54.34	61.36	61.36	4.95
	2000	22.14	20.37	3.84	28.27	25.97	4.01	34.59	31.54	4.17	41.28	36.66	4.34	48.18	43.84	4.47	54.66	61.54	61.54	4.85
	2250	22.52	20.72	3.89	28.68	26.35	4.05	35.03	31.94	4.19	41.76	37.09	4.35	48.49	44.13	4.45	54.88	63.78	63.78	4.75

HEATING		CAPACITY		POWER		FURNACE MODEL	
INDOOR MODEL							
*FX4DN(B/F)061		1.00		1.00			
FE4ANB006		1.00		1.00			
FV4CNB006		1.00		1.00			

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

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

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

EDB = Entering Dry Bulb

GUIDE SPECIFICATIONS

GENERAL

System Description

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

Quality Assurance

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

Delivery, Storage, and Handling

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

Warranty (for inclusion by specifying engineer)

- U.S. and Canada only.

PRODUCTS

Equipment

Factory assembled, single piece, air-cooled air conditioner unit. Contained within the unit enclosure is all factory wiring, piping, controls, compressor, refrigerant charge 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.
- 3 phase equipment available with dense grille only.
- Single phase equipment available with wide (W) or dense (A) grille option.

AIR-COOLED, SPLIT-SYSTEM AIR CONDITIONER

CH13NA

1-1/2 TO 5 NOMINAL TONS

Fans

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

Compressor

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

Condenser Coil

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

Refrigeration Components

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

Operating Characteristics

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

Electrical Requirements

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

Special Features

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

SYSTEM DESIGN SUMMARY

1. Intended for outdoor installation with free air inlet and outlet. Outdoor fan external static pressure available is less than 0.01-IN. W.C.
2. Minimum outdoor operating air temperature without low-ambient operation accessory is 55°F (12.8°C).
3. Maximum outdoor operating air temperature is 125°F (51.7°C).
4. For reliable operation, unit should be level in all horizontal planes.
5. For interconnecting refrigerant tube lengths greater than 80 ft (23.4 m) and/or 35 ft (10.7 m) vertical differential, consult Residential Piping and Longline Guideline and Service Manual available from equipment distributor.
6. If any refrigerant tubing is buried, provide a 6 in. (152.4 mm) vertical rise to the valve connections at the unit. Refrigerant tubing lengths up to 36 in. (914.4 mm) may be buried without further consideration. Do not bury refrigerant lines longer than 36 in. (914.4 mm).
7. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
8. Do not apply capillary tube indoor coils to these units.
9. Factory-supplied filter drier must be installed.

