

MODEL 113R
LEGACY™ RNC SERIES 13 AIR CONDITIONER
1 & 3 PHASE
1-1/2 TO 5 NOMINAL TONS (SIZE 018 TO 060)



Product Data



A06455

INDUSTRY LEADING FEATURES / BENEFITS

Efficiency

- 13 SEER/11 EER (Nominal)
- Microtube Technology™ refrigeration system
- Indoor air quality accessories available

Sound

- Sound level as low as 76 dBA
- As low as 73 dBA with optional accessory sound hood

Comfort

- System supports Thermidistat™ or standard thermostat controls

Reliability

- Front-seating service valves
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- Filter drier
- Balanced refrigeration system for maximum reliability

Durability

DuraGuard™ protection package:

- Solid, durable sheet metal construction
- Wire coil guard
- Baked-on, complete coverage, powder paint

Applications

- Long-line - up to 250 ft. total equivalent length, up to 200 ft. condenser above evaporator, or up to 80 ft. evaporator above condenser (See Long-Line Guide for more information.)
- Low ambient (down to -20°F) with accessory kit

Warranty

Single Phase

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

Three Phase

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

MODEL NUMBER NOMENCLATURE

1 N	2 N	3 N	4 A	5 A/N	6 N	7 N	8 N	9 N	10 A/N	11 A/N	12 N	14 A
1	1	3	R	N	A	0	3	6	0	0	0	A
Product Family 1=AC	Tier 1= Legacy- RNC	SEER 3=13 SEER	Major Series R=R-22	Voltage N=208/230-1 P = 208/230-3 E = 460/3 T = 575/3	Variations A = Standard	Cooling Capacity			Open 0=Not Defined	Open 0=Not Defined	Open 0=Not Defined	Minor Series A = Original Series



As an Energy Star® Partner, Bryant Heating & Cooling has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

Refer to the combination ratings in Product Data for system combinations that meet Energy Star guidelines.

STANDARD FEATURES

Feature	18	24	30	36	42	48	60
13 SEER	X	X	X	X	X	X	X
Scroll Compressor	X	X	X	X	X	X	X
Wire Coil Guard	X	X	X	X	X	X	X
Field-Installed Filter Drier	X	X	X	X	X	X	X
Front-Seating Service Valves	X	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X	X
Long-Line capability	X	X	X	X	X	X	X
Low Ambient capability with Kit	X	X	X	X	X	X	X

PHYSICAL DATA

UNIT SIZE—SERIES	18—A	24—B	30—B	36—A,B	42—A	48—A,B	60—A,C,D
Operating Weight (lb)	124	124	133	150	192	206	239
Shipping Weight (lb)	146	146	155	178	220	242	274
Compressor Type	Scroll						
REFRIGERANT	Freon® (R-22)						
Control	TXV (R-22 Hard Shutoff)						
Charge (lb)	4.90	4.88	5.25	5.80	7.15	7.73	9.25/10.13
COND FAN	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	1880	2200	2725	3170	3165	4050	4050
Motor HP	1/12	1/10	1/5	1/5	1/4	1/4	1/4
Motor RPM	1100	1100	1100	1100	1100	800	800
COND COIL							
Face Area (Sq ft)	11.49	11.49	13.13	15.09	21.56	22.63	30.18
Fins per In.	25	25	25	25	25	25	25
Rows	1	1	1	1	1	1	1
Circuits	3	3	4	4	5	6	8
VALVE CONNECT. (In. ID)							
Vapor	5/8	5/8	3/4	3/4	7/8	7/8	7/8
Liquid	3/8						
REFRIGERANT TUBES* (In. OD)							
Vapor (0–80 Ft Tube Length)	5/8	5/8	3/4	3/4	7/8	7/8	1–1/8
Liquid (0–80 Ft Tube Length)	3/8						

* For tubing sets between 80 and 200 ft. horizontal or 20 ft. vertical differential (250 ft. total equivalent length), consult the Long-Line Guideline.
Note: See unit Installation Instruction for proper installation.

VAPOR LINE SIZING AND COOLING CAPACITY LOSS

1-STAGE AIR CONDITIONER APPLICATIONS

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

is above indoor unit, and up to 60 ft. when the outdoor unit is below the indoor unit. Refer to Accessory Usage Guideline for required accessories. See Long-Line Application Guideline for required piping and system modifications. Refer to table below for the acceptable vapor tube diameters based on the total length to minimize the cooling capacity loss.

Unit Nominal Size (Btuh)	Acceptable Vapor Line Diameter O.D. (In.)	Cooling Capacity Loss (%) Total Equivalent Line Length (ft)										
		Standard Application			Long-Line Application Requires Accessories							
		25	50	80	80+	100	125	150	175	200	225	250
18,000 R-22 AC	5/8	0	1	1	1	2	3	3	4	5	5	6
	3/4	0	0	0	0	0	1	1	1	1	2	2
24,000 R-22 AC	5/8	0	1	3	3	3	5	6	7	8	9	10
	3/4	0	0	0	0	1	1	1	2	2	3	3
	7/8	0	0	0	0	0	0	0	0	1	1	1
30,000 R-22 AC	5/8	1	3	5	5	6	8	10	11	13	15	17
	3/4	0	1	1	1	2	3	3	4	5	5	6
	7/8	0	0	0	0	1	1	1	2	2	2	3
36,000 R-22 AC	3/4	0	1	2	2	3	4	5	6	7	8	9
	7/8	0	0	1	1	1	2	2	3	3	4	4
42,000 R-22 AC	3/4	1	2	3	3	4	5	7	8	9	10	11
	7/8	0	1	1	1	2	2	3	4	4	5	5
	1–1/8	0	0	0	0	0	0	0	1	1	1	1
48,000 R-22 AC	3/4	1	2	4	4	5	7	8	10	11	13	14
	7/8	0	1	2	2	2	3	4	5	5	6	7
	1–1/8	0	0	0	0	0	0	1	1	1	1	1
60,000 R-22 AC	7/8	1	2	3	3	4	5	7	8	9	10	11
	1–1/8	0	0	1	1	1	1	2	2	2	3	3

Standard Length = 80 ft. or less total equivalent length

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

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 Guideline.

ACCESSORIES

ORDER NUMBER	DESCRIPTION	(N) 018-A	(N) 024-B	(N) 030-B	(P) 030-B	(N) 036-B	(P) 036-B	(E) 036-B	(T) 036-A	(N) 042-A	(P) 042-A	(E) 042-A	(T) 042-A	(N) 048-B	(P) 048-B	(E) 048-B	(T) 048-A	(N) 060-C	(P) 060-C	(N) 060-D	(P) 060-D	(E) 060-C	(E) 060-D	(T) 060-A
KAACH1201AAA	CRANKCASE HTR									X	X	X	X			X	X	S	S			S		S
KAACH1301AAA	CRANKCASE HTR	X	X	X	X	X	X																	
KAACH1401AAA	CRANKCASE HTR																							
KAACH1501AAA	CRANKCASE HTR							X	X															
KSACV0101AAA	CYCLE PROTECTOR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KAAFT0101AAA	FREEZE THERMOSTAT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSASH1501AAA	HARD START (CAP/RELAY)	X	X			X																		
KSASH1701AAA	HARD START (CAP/RELAY)			X																				
KSAL0301R22	HIGH PRESS SW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSALA0201R22	LOW AMBIENT PSW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KAAALP0201R22	LOW PRESS SW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HC32GE234	MOTOR FAN BALL BEARING (230V)	X																						
HC34GE239	MOTOR FAN BALL BEARING (230V)		X																					
HC38GE227	MOTOR FAN BALL BEARING (230V)			X	X																			
HC38GE219	MOTOR FAN BALL BEARING (230V)					X	X																	
HC40GE226	MOTOR FAN BALL BEARING (230V)									X	X													
HC40GE228	MOTOR FAN BALL BEARING (230V)																							
HC38GE462*	MOTOR FAN BALL BEARING (460V)							X				X												
HC40GE466	MOTOR FAN BALL BEARING (460V)																							
HC40GE467	MOTOR FAN BALL BEARING (460V)															X						X	X	
KSALA0601AAA	MOTORMASTER 230V	X	X	X	X	X	X			X	X			X	X	X		X	X	X	X	X		
KSALA0701AAA	MOTORMASTER 460V							X				X				X						X	X	
KAAAL0101ALS	SOLENOID VALVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSASH0601COP	SOUND BLKT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSASH2101COP	SOUND BLKT																							
KAACS0201PTC	START ASSIST PTC	X	X	X		X								X				X	X	X	X	X	X	X
KSASF0101AAA	SUPPORT FEET	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KAAATD0101TDR	TIME DELAY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSATX0601HSO	TXV	X	X	X	X	X	X	X	X	X	X	X	X											
KSATX0701HSO	TXV															X	X							
KSATX1001HSO	TXV																							
KAAWS0101AAA	WINTER START	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

X = Accessory S = Standard

*LA01RA324 Fan Blade changeout required (must use with 3 ton 460V ball bearing motor fan) (RCD)

ACCESSORY THERMOSTATS

TERMOSTAT / SUBBASE PKG.	DESCRIPTION
TSTATBPPR01-B	Thermostat Control - Programmable / Non-Programmable Thermostat with Humidity control
TSTATBPPAC01-B	Thermostat - Auto Changeover, 7 - Day Programmable, °F/°C, 1 - Stage Heat, 1 - Stage Cool
TSTATBNNAC01-C	Thermostat - Auto Changeover, Non-Programmable, °F/°C, 1 - Stage Heat, 1 - Stage Cool
TSTATBBAAC01-B	Builder's Thermostat - Manual Changeover, Non-Programmable, °F/°C, 1 - Stage Heat, 1 - Stage Cool
TSTATBSEN01-B	Outdoor Air Temperature Sensor
TSTATXXBBP01	Backplate for Builder's Thermostat
TSTATXXNBP01	Backplate for Non-Programmable Thermostat
TSTATXXBP01	Backplate for Programmable Thermostat
TSTATXXCNV10	Thermostat Conversion Kit (4 to 5 wires) - 10 Pack

ACCESSORY USAGE GUIDELINE

ACCESSORY	REQUIRED FOR LOW-AMBIENT COOLING APPLICATIONS (Below 55° F)	REQUIRED FOR LONG LINE APPLICATIONS* (Over 80 ft.)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles)
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
Liquid-Line Solenoid Valve	No	See Long Line Application Guideline	No
Motor Master® Control or Low-ambient Pressure Switch	Yes	No	No
Thermostatic Expansion Valve (TXV) Hard Shutoff	Yes	Yes	Yes
Support Feet	Recommended	No	Recommended
Winter Start Control	Yes	No	No

* For tubing line sets between 80 and 200 ft. and/or 20 ft. vertical differential (250 ft. total equivalent length), refer to Residential Split-System Long Line Application Guideline.

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

Accessory Description and Usage (Listed Alphabetically)

1. Ball-Bearing Fan Motor

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

Usage Guideline:

Required on all units when using MotorMaster®

2. Compressor Start Assist - Capacitor and Relay

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

Usage Guideline:

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

Long line

Low-ambient cooling

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

3. Compressor Start Assist — PTC Type

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

Usage Guideline:

Suggested in installations with marginal power supply.

4. Crankcase Heater

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

Usage Guideline:

Required in Low-ambient cooling applications.

Required in long line applications.

Suggested in all commercial applications.

5. 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.

6. Evaporator Freeze Thermostat

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

Usage Guideline:

Required when low-ambient kit has been added.

7. Low-Ambient Pressure Switch Kit

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

Usage Guideline:

A Low-Ambient Pressure Switch must be used when cooling operation is at outdoor temperatures below 55°F (12.8°C) to a minimum of 0°F (-17.8°C).

Suggested for all commercial applications.

8. MotorMaster® Low-Ambient Controller

A fan-speed control device activated by a temperature sensor, designed to control condenser fan motor speed in response to the saturated, condensing temperature during operation in cooling mode only. For outdoor temperatures down to -20°F (-28.9°C), it maintains condensing temperature at 100°F ±10°F (37.8°C ± -12°C).

Usage Guideline:

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

Suggested for all commercial applications.

Accessory Description and Usage (Listed Alphabetically) (Cont.)

9. Outdoor Air Temperature Sensor

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

Usage Guideline:

Suggested for all Bryant thermostats listed in this publication.

10. Support Feet

Four stick-on plastic feet that raise the unit 4 in. 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.

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

(VOLTAGE), UNIT SIZE – SERIES	REQUIRED SUBCOOLING (F)
(N) 018–A	10
(N) 024–B	14
(N) 030–B (P) 030–B	11
(N) 036–B (P) 036–B (E) 036–B (T) 036–A	9
(N) 042–A (P) 042–A (E) 042–A (T) 042–A	11
(N) 048–B (P) 048–B (E) 048–B (T) 048–A	8
(N) 060–C/D (P) 060–C/D (E) 060–C/D (T) 060–A	11

ELECTRICAL DATA

(VOLTAGE), UNIT SIZE – SERIES	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE†	MIN WIRE SIZE†	MAX LENGTH (FT)‡	MAX LENGTH (FT)‡	MAX FUSE** or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA		60° C	75° C	60° C	75° C	
(N) 018–A	208/230/1	253	197	40.3	7.7	0.5	10.1	14	14	78	74	15
(N) 024–B				54.0	10.4	0.75	13.8	14	14	57	54	20
(N) 030–B				68.0	14.1	1.1	18.7	14	14	42	40	30
(N) 036–B				77.0	14.4	1.1	19.1	12	12	65	62	30
(N) 042–A				104.0	19.2	1.4	25.4	10	10	79	75	40
(N) 048–B				137.0	20.2	1.2	26.4	10	10	76	72	40
(N) 060–C				141.0	25.3	1.2	32.9	8	8	94	90	50
(N) 060–D				150.0	22.4	1.2	29.2	8	8	94	90	50
(P) 030–B	208/230/3	253	197	58.0	9.9	1.1	13.5	14	14	67	64	20
(P) 036–B				88.0	10.0	1.4	13.9	14	14	65	62	20
(P) 042–A				88.0	12.8	1.4	17.4	12	12	83	79	25
(P) 048–B				83.1	13.1	1.2	17.6	12	12	82	78	25
(P) 060–C				104.0	15.8	1.2	21.0	10	10	110	104	30
(P) 060–D				123.0	17.3	1.2	22.8	10	10	101	96	35
(E) 036–B	460/3	506	414	38.0	5.8	0.7	7.9	14	14	230	219	15
(E) 042–A				44.0	6.0	0.7	8.2	14	14	222	211	15
(E) 048–B				41.0	6.1	0.6	8.2	14	14	222	211	15
(E) 060–C				52.0	7.3	0.6	9.7	14	14	187	178	15
(E) 060–D				55.0	8.4	0.6	11.1	14	14	164	156	15
(T) 036–A				28.0	4.0	0.5	5.5	14	14	303	288	15
(T) 042–A	575/3	632	518	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
(T) 048–A				33.0	4.6	0.5	6.3	14	14	260	247	15
(T) 060–A				38.9	5.6	0.5	7.5	14	14	227	216	15

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

† If wire is applied at ambient greater than 30°C (86°F), consult table 310–16 of the NEC (ANSI/NFPA 70). The ampacity of non-metallic-sheathed cable (NM), trade name ROMEX, shall be that of 60°C (140°F) conditions, per the NEC (ANSI/NFPA 70) Article 336–26. If other than uncoated (no-plated), 60° or 75°C (140° or 167°F) insulation, copper wire (solid wire for 10 AWG or smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (ANSI/NFPA 70).

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

** Time-Delay fuse.

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

FLA – Full Load Amps

LRA – Locked Rotor Amps

MCA – Minimum Circuit Amps

RLA – Rated Load Amps

A-WEIGHTED SOUND LEVEL (dBA)

(VOLTAGE), UNIT SIZE – SERIES	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
(N) 018–A	76	53.0	61.5	66.5	69.0	67.0	62.5	56.5
(N) 024–B	76	53.0	61.5	68.5	69.0	66.0	63.5	60.5
(N) 030–B (P) 030–B	76	51.0	63.0	67.0	69.0	67.0	65.5	62.0
(N) 036–B (P) 036–B (E) 036–B (T) 036–A	76	53.5	65.0	69.5	70.0	68.5	65.5	61.0
(N) 042–A (P) 042–A (E) 042–A (T) 042–A	79	60.5	68.5	71.5	75.5	69.5	65.5	66.0
(N) 048–B (P) 048–B (E) 048–B (T) 048–A	80	51.5	63.5	66.0	76.0	68.0	66.5	63.5
(N) 060–C/D (P) 060–C/D (E) 060–C/D (T) 060–A	80	53.0	62.5	67.0	72.5	67.5	67.5	66.0

A-WEIGHTED SOUND POWER (dBA) WITH ACCESSORY SOUND HOOD

(VOLTAGE), UNIT SIZE – SERIES	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
(N) 018–A	73	53.5	62.0	67.5	69.0	67.0	62.0	56.0
(N) 024–B	74	53.5	61.5	68.5	68.5	66.0	62.5	57.0
(N) 030–B (P) 030–B	73	53.5	62.5	67.0	68.5	66.0	62.5	58.0
(N) 036–B (P) 036–B (E) 036–B (T) 036–A	76	53.5	65.0	69.5	70.0	68.5	65.5	61.0
(N) 042–A (P) 042–A (E) 042–A (T) 042–A	78	61.5	68.0	71.5	74.5	68.5	63.0	61.5
(N) 048–B (P) 048–B (E) 048–B (T) 048–A	79	53.0	63.5	65.0	75.0	66.0	62.0	59.5
(N) 060–C/D (P) 060–C/D (E) 060–C/D (T) 060–A	76	53.5	61.0	67.0	71.5	64.5	62.5	62.0

DIMENSIONS

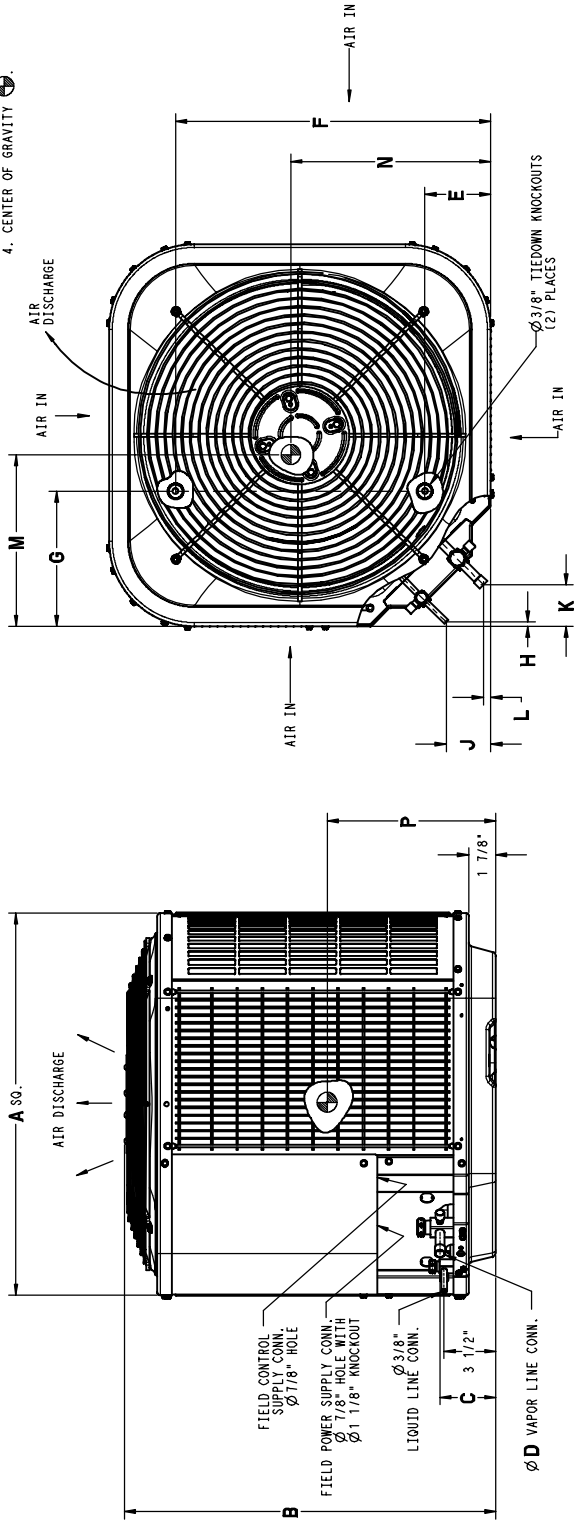
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UNIT	SERIES	ELECTRICAL CHARACTERISTICS			A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT	SHIPPING WEIGHT	SHIPPING DIMENSIONS (L x W x H)		
113R018	A	X	0	0	25 3/4"	28 7/16"	3 3/4"	5/8"	4 7/16"	21 1/4"	9 1/8"	5/16"	3"	2 13/16"	1/2"	12 7/8"	11 3/8"	14 1/8"	124#	146#	26 7/8" X 26 7/8" X 32 5/8"		
113R024	B	X	0	0	25 3/4"	28 7/16"	3 3/4"	5/8"	4 7/16"	21 1/4"	9 1/8"	5/16"	3"	2 13/16"	1/2"	12 7/8"	11 3/8"	14 1/8"	124#	146#	26 7/8" X 26 7/8" X 32 5/8"		
113R030	B	X	0	X	25 3/4"	31 13/16"	3 3/4"	3/4"	4 7/16"	21 1/4"	9 1/8"	5/16"	3"	2 13/16"	1/2"	12 7/8"	11 3/8"	13 3/4"	133#	155#	26 7/8" X 26 7/8" X 36 1/16"		
113R036	A	0	X	0	31 3/16"	28 15/16"	3 3/4"	3/4"	6 9/16"	24 11/16"	9 1/8"	5/16"	3"	2 13/16"	1/2"	17 3/8"	15 7/8"	14 1/8"	150#	177#	32 5/16" X 32 5/16" X 32 5/8"		
	B	X	0	X	X																		
113R042	A	X	X	X	31 3/16"	39 1/8"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	16 7/8"	16"	18 3/4"	192#	220#	32 5/16" X 32 5/16" X 42 7/8"		
113R048	B	0	X	0	35"	35 3/4"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	18 1/4"	18 1/2"	17 1/2"	206#	240#	36 1/8" X 36 1/8" X 39 7/16"		
113R060	A	0	X	0	35"																		
	C,D	X	0	X		45 15/16"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	18 3/4"	17"	20 1/8"	239#	274#	36 1/8" X 36 1/8" X 49 5/8"		

X = YES
0 = NO

NOTES:

1. ALLOW 30" CLEARANCE TO SERVICE SIDE OF UNIT.
48" ABOVE UNIT, 6" ON ONE SIDE, 12" ON REMAINING SIDE,
AND 24" BETWEEN UNITS FOR PROPER AIRFLOW.
2. MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING
MODE IS 35°F, MAX. 125°F.
3. SERIES DESIGNATION IS THE 14TH POSITION OF THE
UNIT MODEL NUMBER.
4. CENTER OF GRAVITY



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

NOTE: Optional dense coil guard shown.

COMBINATION RATINGS

(VOLTAGE) UNIT SIZE – SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
(N) 018–A	*CAR**1814A**	17,300	TXV		13.00	11.00	
	CAR**1814A**	17,000	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CAR**2414A**	17,700	TXV		13.00	11.00	
	CAR**2414A**	17,400	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CAR**2417A**	17,700	TXV		13.00	11.00	
	CAR**2417A**	17,400	TDR&TXV	14.00		11.50	355AAV042060
	CAR**2417A**	17,400	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRV*1814A**	17,300	TXV		13.00	11.00	
	CNRV*1814A**	17,000	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CNRV*2414A**	17,700	TXV		13.00	11.00	
	CNRV*2414A**	17,400	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CNRV*2417A**	17,700	TXV		13.00	11.00	
	CNRV*2417A**	17,400	TDR&TXV	14.00		11.50	355AAV042060
	CNRV*2417A**	17,400	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRH*2417A**	17,700	TXV		13.00	11.00	
	CNRH*2417A**	17,400	TDR&TXV	14.00		11.50	355AAV042040
	CNRH*2417A**	17,400	TDR&TXV	14.00		11.50	355AAV042060
	CNRH*2417A**	17,400	TDR&TXV	14.00		11.50	355AAV042080
	CNRH*2417A**	17,400	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CNRH*2417A**	17,400	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRF*2418A**	17,700	TXV		13.00	11.00	
	CSRH*2412A**	17,700	TXV		13.00	11.00	
	CSRH*2412A**	17,400	TDR&TXV	14.00		11.50	355AAV042040
	CSRH*2412A**	17,400	TDR&TXV	14.00		11.50	355AAV042060
	CSRH*2412A**	17,400	TDR&TXV	14.00		11.50	355AAV042080
	CSRH*2412A**	17,400	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CSRH*2412A**	17,400	TDR&TXV	14.00		11.50	315(A,J)AV048090
	FA4CN(F,C)018	17,400	TDR&TXV	13.00		11.00	
	FA4CN(F,C)024	17,400	TDR&TXV	13.00		11.00	
	FC4DNF018	17,700	TDR&TXV	14.00		11.50	
	FC4DNF024	17,800	TDR&TXV	14.00		11.50	
	FF1ENE018	17,400	TDR&TXV	13.20		11.00	
	FF1ENE024	17,600	TDR&TXV	13.20		11.00	
	FK4DNF001	17,500	TDR&TXV	14.00		11.50	
	FK4DNF002	17,800	TDR&TXV	14.00		11.50	
(N) 024–B	*CAR**2414A**	23,000	TXV		13.00	11.00	
	CAR**2414A**	22,800	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CAR**2417A**	23,200	TXV		13.00	11.00	
	CAR**2417A**	23,000	TDR&TXV	14.00		11.50	355AAV042060
	CAR**2417A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CAR**3014A**	23,400	TXV		13.00	11.00	
	CAR**3014A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CAR**3017A**	23,400	TXV		13.00	11.00	
	CAR**3017A**	23,000	TDR&TXV	14.00		11.50	355AAV042060
	CAR**3017A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRV*2414A**	23,000	TXV		13.00	11.00	
	CNRV*2414A**	22,800	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CNRV*2417A**	23,200	TXV		13.00	11.00	
	CNRV*2417A**	23,000	TDR&TXV	14.00		11.50	355AAV042060
	CNRV*2417A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRV*3014A**	23,400	TXV		13.00	11.00	
	CNRV*3014A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CNRV*3017A**	23,400	TXV		13.00	11.00	

See notes on pg. 17

COMBINATION RATINGS CONTINUED

113R

(VOLTAGE) UNIT SIZE – SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
(N) 024 – B	CNRV*3017A**	23,000	TDR&TXV	14.00		11.50	355AAV042060
	CNRV*3017A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRH*2417A**	23,200	TXV		13.00	11.00	
	CNRH*2417A**	23,000	TDR&TXV	14.00		11.50	355AAV042040
	CNRH*2417A**	23,000	TDR&TXV	14.00		11.50	355AAV042060
	CNRH*2417A**	23,000	TDR&TXV	14.00		11.50	355AAV042080
	CNRH*2417A**	23,000	TDR&TXV	14.00		11.50	355AAV060080
	CNRH*2417A**	23,000	TDR&TXV	14.00		11.50	355AAV060100
	CNRH*2417A**	23,000	TDR&TXV	14.00		11.50	355AAV060120
	CNRH*2417A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CNRH*2417A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRH*2417A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CNRH*2417A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CNRH*2417A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CNRH*3017A**	23,400	TXV		13.00	11.00	
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.50	355AAV042040
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.50	355AAV042060
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.50	355AAV042080
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.50	355AAV060080
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.50	355AAV060100
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.50	355AAV060120
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CNRF*2418A**	23,000	TXV		13.00	11.00	
	CSRH*2412A**	23,000	TXV		13.00	11.00	
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	355AAV042040
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	355AAV042060
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	355AAV042080
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	355AAV060080
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	355AAV060100
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	355AAV060120
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CSRH*3012A**	23,400	TXV		13.00	11.00	
	CSRH*3012A**	23,000	TDR&TXV	14.00		11.50	355AAV042040
	CSRH*3012A**	23,000	TDR&TXV	14.00		11.50	355AAV042060
	CSRH*3012A**	23,000	TDR&TXV	14.00		11.50	355AAV042080
	CSRH*3012A**	23,000	TDR&TXV	14.00		11.50	355AAV060080
	CSRH*3012A**	23,000	TDR&TXV	14.00		11.50	355AAV060100
	CSRH*3012A**	23,000	TDR&TXV	14.00		11.50	355AAV060120
	CSRH*3012A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CSRH*3012A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CSRH*3012A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CSRH*3012A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CSRH*3012A**	23,000	TDR&TXV	14.00		11.50	315(A,J)AV066155
	FA4CN(F,C)024	22,800	TDR&TXV	13.00		11.00	
	FA4CN(F,C)030	23,000	TDR&TXV	13.00		11.00	
	FC4DNF024	23,200	TDR&TXV	13.50		11.20	
	FC4DNF030	23,400	TDR&TXV	14.00		11.50	
	FF1ENE024	22,600	TDR&TXV	13.00		11.00	
	FF1ENE030	23,200	TDR&TXV	13.00		11.00	
	FK4DNF001	23,000	TDR&TXV	14.00		11.50	
	FK4DNF002	23,400	TDR&TXV	14.00		11.50	
	FK4DNF003	23,200	TDR&TXV	14.00		11.50	

See notes on pg. 17

COMBINATION RATINGS CONTINUED

(VOLTAGE) UNIT SIZE – SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
(N) 030–B (P) 030–B	*CAR**3014A**	28,000	TXV		13.00	11.00	
	CAR**3014A**	27,800	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CAR**3017A**	28,000	TXV		13.00	11.00	
	CAR**3017A**	27,800	TDR&TXV	14.00		11.50	355AAV042060
	CAR**3017A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CAR**3614A**	28,000	TXV		13.00	11.00	
	CAR**3614A**	27,800	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CAR**3617A**	28,200	TXV		13.00	11.00	
	CAR**3617A**	28,000	TDR&TXV	14.00		11.50	355AAV042060
	CAR**3617A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CAR**3621A**	28,200	TXV		13.00	11.00	
	CAR**3621A**	28,200	TDR&TXV	14.00		11.50	355AAV042080
	CAR**3621A**	28,000	TDR&TXV	14.00		11.50	355AAV060080
	CAR**3621A**	28,200	TDR&TXV	14.00		11.50	355AAV060100
	CAR**3621A**	28,200	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CNRV*3014A**	28,000	TXV		13.00	11.00	
	CNRV*3014A**	27,800	TDR&TXV	13.50		11.20	315(A,J)AV036070
	CNRV*3017A**	28,000	TXV		13.00	11.00	
	CNRV*3017A**	27,800	TDR&TXV	14.00		11.50	355AAV042060
	CNRV*3017A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRV*3617A**	28,200	TXV		13.00	11.00	
	CNRV*3617A**	28,000	TDR&TXV	14.00		11.50	355AAV042060
	CNRV*3617A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRV*3621A**	28,200	TXV		13.00	11.00	
	CNRV*3621A**	28,000	TDR&TXV	14.00		11.50	355AAV042080
	CNRV*3621A**	28,000	TDR&TXV	14.00		11.50	355AAV060080
	CNRV*3621A**	28,000	TDR&TXV	14.00		11.50	355AAV060100
	CNRV*3621A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CNRH*3017A**	28,000	TXV		13.00	11.00	
	CNRH*3017A**	27,800	TDR&TXV	14.00		11.50	355AAV042040
	CNRH*3017A**	27,800	TDR&TXV	14.00		11.50	355AAV042060
	CNRH*3017A**	27,800	TDR&TXV	14.00		11.50	355AAV042080
	CNRH*3017A**	27,800	TDR&TXV	14.00		11.50	355AAV060080
	CNRH*3017A**	27,800	TDR&TXV	14.00		11.50	355AAV060100
	CNRH*3017A**	27,800	TDR&TXV	14.00		11.50	355AAV060120
	CNRH*3017A**	27,800	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CNRH*3017A**	27,800	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRH*3017A**	27,800	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CNRH*3017A**	27,800	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CNRH*3017A**	27,800	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CNRH*3617A**	28,200	TXV		13.00	11.00	
	CNRH*3617A**	28,000	TDR&TXV	14.00		11.50	355AAV042040
	CNRH*3617A**	28,000	TDR&TXV	14.00		11.50	355AAV042060
	CNRH*3617A**	28,000	TDR&TXV	14.00		11.50	355AAV042080
	CNRH*3617A**	28,000	TDR&TXV	14.00		11.50	355AAV060080
	CNRH*3617A**	28,000	TDR&TXV	14.00		11.50	355AAV060100
	CNRH*3617A**	28,000	TDR&TXV	14.00		11.50	355AAV060120
	CNRH*3617A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CNRH*3617A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRH*3617A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CNRH*3617A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CNRH*3617A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CNRF*3618A**	28,200	TXV		13.00	11.00	
	CSRH*3012A**	28,000	TXV		13.00	11.00	
	CSRH*3012A**	27,800	TDR&TXV	14.00		11.50	355AAV042040
	CSRH*3012A**	27,800	TDR&TXV	14.00		11.50	355AAV042060
	CSRH*3012A**	27,800	TDR&TXV	14.00		11.50	355AAV042080
	CSRH*3012A**	27,800	TDR&TXV	14.00		11.50	355AAV060080
	CSRH*3012A**	27,800	TDR&TXV	14.00		11.50	355AAV060100

See notes on pg. 17

COMBINATION RATINGS CONTINUED

(VOLTAGE) UNIT SIZE- SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
(N) 030-B (P) 030-B	CSRH*3012A**	27,800	TDR&TXV	14.00		11.50	355AAV060120
	CSRH*3012A**	27,800	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CSRH*3012A**	27,800	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CSRH*3012A**	27,800	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CSRH*3012A**	27,800	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CSRH*3012A**	27,800	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CSRH*3612A**	28,200	TXV		13.00	11.00	
	CSRH*3612A**	28,000	TDR&TXV	14.00		11.50	355AAV042040
	CSRH*3612A**	28,000	TDR&TXV	14.00		11.50	355AAV042060
	CSRH*3612A**	28,000	TDR&TXV	14.00		11.50	355AAV042080
	CSRH*3612A**	28,000	TDR&TXV	14.00		11.50	355AAV060080
	CSRH*3612A**	28,000	TDR&TXV	14.00		11.50	355AAV060100
	CSRH*3612A**	28,000	TDR&TXV	14.00		11.50	355AAV060120
	CSRH*3612A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CSRH*3612A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CSRH*3612A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CSRH*3612A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CSRH*3612A**	28,000	TDR&TXV	14.00		11.50	315(A,J)AV066155
	FA4CN(F,C)030	28,000	TDR&TXV	13.00		11.00	
	FA4CN(F,C)036	27,800	TDR&TXV	13.00		10.70	
	FC4DNF030	28,400	TDR&TXV	13.50		11.20	
	FC4DN(F,B)036	28,600	TDR&TXV	14.00		11.50	
	FF1ENE030	27,800	TDR&TXV	13.00		11.00	
	FF1ENE036	28,200	TDR&TXV	13.00		11.00	
	FK4DNF001	28,000	TDR&TXV	14.00		11.50	
	FK4DNF002	28,400	TDR&TXV	14.00		11.50	
	FK4DNF003	28,400	TDR&TXV	14.00		11.50	
	FK4DNF005	29,200	TDR&TXV	14.00		11.50	
	*CAR**3617A**	34,000	TXV		13.00	11.00	
	CAR**3614A**	33,000	TXV		13.00	11.00	
	CAR**3614A**	33,000	TDR&TXV	13.50		11.20	315(A,J)AV036070
	CAR**3617A**	34,000	TDR&TXV	13.50		11.20	355AAV042060
	CAR**3617A**	34,200	TDR&TXV	13.50		11.20	315(A,J)AV048090
	CAR**3621A**	34,200	TXV		13.00	11.00	
	CAR**3621A**	34,000	TDR&TXV	13.50		11.20	355AAV042080
	CAR**3621A**	34,000	TDR&TXV	13.50		11.20	355AAV060080
	CAR**3621A**	34,200	TDR&TXV	13.50		11.20	355AAV060100
	CAR**3621A**	34,200	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CAR**4221A**	34,600	TXV		13.00	11.00	
	CAR**4221A**	34,200	TDR&TXV	13.50		11.20	355AAV042080
	CAR**4221A**	34,400	TDR&TXV	13.50		11.20	355AAV060080
	CAR**4221A**	34,400	TDR&TXV	14.00		11.50	355AAV060100
	CAR**4221A**	34,600	TDR&TXV	14.00		11.50	315(A,J)AV060110
(N) 036-B (P) 036-B (E) 036-B (T) 036-A	CAR**4224A**	34,600	TXV		13.00	11.00	
	CAR**4224A**	34,200	TDR&TXV	13.50		11.20	355AAV042040
	CAR**4224A**	34,400	TDR&TXV	14.00		11.50	355AAV060120
	CAR**4224A**	34,600	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CAR**4224A**	34,600	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CNRV*3617A**	34,000	TXV		13.00	11.00	
	CNRV*3617A**	34,000	TDR&TXV	13.50		11.20	355AAV042060
	CNRV*3617A**	34,000	TDR&TXV	13.50		11.20	315(A,J)AV048090
	CNRV*3621A**	34,200	TXV		13.00	11.00	
	CNRV*3621A**	33,800	TDR&TXV	13.50		11.20	355AAV042080
	CNRV*3621A**	33,800	TDR&TXV	13.50		11.20	355AAV060080
	CNRV*3621A**	33,800	TDR&TXV	13.50		11.20	355AAV060100
	CNRV*3621A**	33,800	TDR&TXV	13.50		11.20	315(A,J)AV060110
	CNRV*4221A**	34,600	TXV		13.00	11.00	
	CNRV*4221A**	34,200	TDR&TXV	14.00		11.50	355AAV042080
	CNRV*4221A**	34,200	TDR&TXV	14.00		11.50	355AAV060080
	CNRV*4221A**	34,200	TDR&TXV	14.00		11.50	355AAV060100
	CNRV*4221A**	34,200	TDR&TXV	14.00		11.50	315(A,J)AV060110

See notes on pg. 17

COMBINATION RATINGS CONTINUED

(VOLTAGE) UNIT SIZE- SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
(N) 036-B (P) 036-B (E) 036-B (T) 036-A	CNRH*3617A**	34,000	TXV		13.00	11.00	
	CNRH*3617A**	33,800	TDR&TXV	13.50		11.20	355AAV042040
	CNRH*3617A**	33,800	TDR&TXV	13.50		11.20	355AAV042060
	CNRH*3617A**	33,800	TDR&TXV	13.50		11.20	355AAV042080
	CNRH*3617A**	33,800	TDR&TXV	13.50		11.20	355AAV060080
	CNRH*3617A**	33,800	TDR&TXV	13.50		11.20	355AAV060100
	CNRH*3617A**	33,800	TDR&TXV	13.50		11.20	355AAV060120
	CNRH*3617A**	33,800	TDR&TXV	13.50		11.20	315(A,J)AV036070
	CNRH*3617A**	33,800	TDR&TXV	13.50		11.20	315(A,J)AV048090
	CNRH*3617A**	33,800	TDR&TXV	13.50		11.20	315(A,J)AV060110
	CNRH*3617A**	33,800	TDR&TXV	13.50		11.20	315(A,J)AV066135
	CNRH*3617A**	33,800	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CNRH*4221A**	34,600	TXV		13.00	11.00	
	CNRH*4221A**	34,200	TDR&TXV	14.00		11.50	355AAV042040
	CNRH*4221A**	34,200	TDR&TXV	14.00		11.50	355AAV042060
	CNRH*4221A**	34,200	TDR&TXV	14.00		11.50	355AAV042080
	CNRH*4221A**	34,200	TDR&TXV	14.00		11.50	355AAV060080
	CNRH*4221A**	34,200	TDR&TXV	14.00		11.50	355AAV060100
	CNRH*4221A**	34,200	TDR&TXV	14.00		11.50	355AAV060120
	CNRH*4221A**	34,200	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CNRH*4221A**	34,200	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRH*4221A**	34,200	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CNRH*4221A**	34,200	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CNRH*4221A**	34,200	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CNRF*3618A**	34,000	TXV		13.00	11.00	
	CSRH*3612A**	34,000	TXV		13.00	11.00	
	CSRH*3612A**	33,800	TDR&TXV	13.50		11.20	355AAV042040
	CSRH*3612A**	33,800	TDR&TXV	14.00		11.50	355AAV042060
	CSRH*3612A**	33,800	TDR&TXV	13.50		11.20	355AAV042080
	CSRH*3612A**	33,800	TDR&TXV	14.00		11.50	355AAV060080
	CSRH*3612A**	33,800	TDR&TXV	14.00		11.50	355AAV060100
	CSRH*3612A**	33,800	TDR&TXV	14.00		11.50	355AAV060120
	CSRH*3612A**	33,800	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CSRH*3612A**	33,800	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CSRH*3612A**	33,800	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CSRH*3612A**	33,800	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CSRH*3612A**	33,800	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CSRH*4212A**	34,600	TXV		13.20	11.00	
	CSRH*4212A**	34,200	TDR&TXV	14.00		11.50	355AAV042040
	CSRH*4212A**	34,200	TDR&TXV	14.00		11.50	355AAV042060
	CSRH*4212A**	34,200	TDR&TXV	14.00		11.50	355AAV042080
	CSRH*4212A**	34,200	TDR&TXV	14.00		11.50	355AAV060080
	CSRH*4212A**	34,200	TDR&TXV	14.00		11.50	355AAV060100
	CSRH*4212A**	34,200	TDR&TXV	14.00		11.50	355AAV060120
	CSRH*4212A**	34,200	TDR&TXV	14.00		11.50	315(A,J)AV036070
	CSRH*4212A**	34,200	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CSRH*4212A**	34,200	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CSRH*4212A**	34,200	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CSRH*4212A**	34,200	TDR&TXV	14.00		11.50	315(A,J)AV066155
	FA4CN(F,C)036	33,600	TDR&TXV	13.00		11.00	
	FA4CN(F,C)042	34,600	TDR&TXV	13.00		11.00	
	FC4DN(F,B)036	34,600	TDR&TXV	13.50		11.20	
	FC4DN(F,B)042	35,400	TDR&TXV	14.00		11.50	
	FF1ENE036	34,400	TDR&TXV	13.00		11.00	
	FK4DNF001	33,800	TDR&TXV	13.50		11.20	
	FK4DNF002	34,200	TDR&TXV	13.50		11.20	
	FK4DNF003	34,400	TDR&TXV	14.00		11.50	
	FK4DNF005	35,800	TDR&TXV	14.00		11.50	
	FK4DNB006	36,200	TDR&TXV	14.00		11.50	

See notes on pg. 17

COMBINATION RATINGS CONTINUED

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(VOLTAGE) UNIT SIZE- SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
(N) 042-A (P) 042-A (E) 042-A (T) 042-A	*CAR**4221A**	40,500	TXV		13.00	11.00	
	CAR**4221A**	40,000	TDR&TXV	13.50		11.20	355AAV042080
	CAR**4221A**	40,000	TDR&TXV	13.50		11.20	355AAV060080
	CAR**4221A**	40,000	TDR&TXV	13.50		11.20	355AAV060100
	CAR**4221A**	40,500	TDR&TXV	13.50		11.20	315(A,J)AV060110
	CAR**4224A**	40,500	TXV		13.00	11.00	
	CAR**4224A**	40,000	TDR&TXV	13.50		11.20	355AAV042040
	CAR**4224A**	40,000	TDR&TXV	13.50		11.20	355AAV060120
	CAR**4224A**	40,500	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CAR**4224A**	40,500	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CAR**4817A**	40,500	TXV		13.00	11.00	
	CAR**4817A**	40,000	TDR&TXV	13.50		11.20	355AAV042060
	CAR**4817A**	40,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CAR**4821A**	41,500	TXV		13.00	11.00	
	CAR**4821A**	40,500	TDR&TXV	13.50		11.20	355AAV042080
	CAR**4821A**	41,000	TDR&TXV	13.50		11.20	355AAV060080
	CAR**4821A**	41,000	TDR&TXV	14.00		11.50	355AAV060100
	CAR**4821A**	41,000	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CAR**4824A**	41,500	TXV		13.00	11.00	
	CAR**4824A**	40,500	TDR&TXV	13.50		11.20	355AAV042040
	CAR**4824A**	41,000	TDR&TXV	14.00		11.50	355AAV060120
	CAR**4824A**	41,000	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CAR**4824A**	41,000	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CNRV*4221A**	40,500	TXV		13.00	11.00	
	CNRV*4221A**	40,000	TDR&TXV	13.50		11.20	355AAV042080
	CNRV*4221A**	40,000	TDR&TXV	13.50		11.20	355AAV060080
	CNRV*4221A**	40,000	TDR&TXV	14.00		11.50	355AAV060100
	CNRV*4221A**	40,000	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CNRV*4821A**	41,500	TXV		13.00	11.00	
	CNRV*4821A**	41,000	TDR&TXV	13.50		11.20	355AAV042080
	CNRV*4821A**	41,000	TDR&TXV	13.50		11.20	355AAV060080
	CNRV*4821A**	41,000	TDR&TXV	14.00		11.50	355AAV060100
	CNRV*4821A**	41,000	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CNRV*4824A**	41,500	TXV		13.00	11.00	
	CNRV*4824A**	41,000	TDR&TXV	13.50		11.20	355AAV042040
	CNRV*4824A**	41,000	TDR&TXV	14.00		11.50	355AAV060120
	CNRV*4824A**	41,000	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CNRV*4824A**	41,000	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CNRH*4221A**	40,500	TXV		13.00	11.00	
	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	355AAV042040
	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	355AAV042060
	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	355AAV042080
	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	355AAV060080
	CNRH*4221A**	40,000	TDR&TXV	14.00		11.50	355AAV060100
	CNRH*4221A**	40,000	TDR&TXV	14.00		11.50	355AAV060120
	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	315(A,J)AV036070
	CNRH*4221A**	40,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRH*4221A**	40,000	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CNRH*4221A**	40,000	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CNRH*4221A**	40,000	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CNRH*4821A**	41,500	TXV		13.00	11.00	
	CNRH*4821A**	41,000	TDR&TXV	13.50		11.20	355AAV042040
	CNRH*4821A**	41,000	TDR&TXV	13.50		11.20	355AAV042060
	CNRH*4821A**	41,000	TDR&TXV	13.50		11.20	355AAV042080
	CNRH*4821A**	41,000	TDR&TXV	13.50		11.20	355AAV060080
	CNRH*4821A**	41,000	TDR&TXV	14.00		11.50	355AAV060100
	CNRH*4821A**	41,000	TDR&TXV	14.00		11.50	355AAV060120
	CNRH*4821A**	41,000	TDR&TXV	13.50		11.20	315(A,J)AV036070
	CNRH*4821A**	41,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CNRH*4821A**	41,000	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CNRH*4821A**	41,000	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CNRH*4821A**	41,000	TDR&TXV	14.00		11.50	315(A,J)AV066155

See notes on pg. 17

COMBINATION RATINGS CONTINUED

(VOLTAGE) UNIT SIZE- SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
(N) 042-A (P) 042-A (E) 042-A (T) 042-A	CNRF*4818A**	40,500	TXV		13.00	11.00	
	CSRH*4212A**	40,500	TXV		13.00	11.00	
	CSRH*4212A**	40,000	TDR&TXV	13.50		11.20	355AAV042040
	CSRH*4212A**	40,000	TDR&TXV	13.50		11.20	355AAV042060
	CSRH*4212A**	40,000	TDR&TXV	13.50		11.20	355AAV042080
	CSRH*4212A**	40,000	TDR&TXV	13.50		11.20	355AAV060080
	CSRH*4212A**	40,000	TDR&TXV	14.00		11.50	355AAV060100
	CSRH*4212A**	40,000	TDR&TXV	14.00		11.50	355AAV060120
	CSRH*4212A**	40,000	TDR&TXV	13.50		11.20	315(A,J)AV036070
	CSRH*4212A**	40,000	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CSRH*4212A**	40,000	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CSRH*4212A**	40,000	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CSRH*4212A**	40,000	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CSRH*4812A**	41,000	TXV		13.00	11.00	
	CSRH*4812A**	40,500	TDR&TXV	13.50		11.20	355AAV042040
	CSRH*4812A**	40,500	TDR&TXV	13.50		11.20	355AAV042060
	CSRH*4812A**	40,500	TDR&TXV	13.50		11.20	355AAV042080
	CSRH*4812A**	40,500	TDR&TXV	13.50		11.20	355AAV060080
	CSRH*4812A**	40,500	TDR&TXV	14.00		11.50	355AAV060100
	CSRH*4812A**	40,500	TDR&TXV	14.00		11.50	355AAV060120
	CSRH*4812A**	40,500	TDR&TXV	13.50		11.20	315(A,J)AV036070
	CSRH*4812A**	40,500	TDR&TXV	14.00		11.50	315(A,J)AV048090
	CSRH*4812A**	40,500	TDR&TXV	14.00		11.50	315(A,J)AV060110
	CSRH*4812A**	40,500	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CSRH*4812A**	40,500	TDR&TXV	14.00		11.50	315(A,J)AV066155
	FA4CN(F,C)042	41,000	TDR&TXV	13.00		11.00	
	FA4CN(F,C)048	41,500	TDR&TXV	13.00		11.00	
	FC4DN(F,B)042	41,500	TDR&TXV	13.50		11.20	
	FC4DN(F,B)048	42,500	TDR&TXV	14.00		11.50	
	FK4DNF003	40,000	TDR&TXV	14.00		11.50	
	FK4DNF005	42,000	TDR&TXV	14.00		11.50	
	FK4DNB006	42,500	TDR&TXV	14.00		11.50	
	*CAR**4821A**	46,000	TXV		13.00	11.00	
	CAR**4817A**	45,000	TXV		13.00	11.00	
	CAR**4817A**	44,500	TDR&TXV	13.20		11.00	315(A,J)AV048090
	CAR**4821A**	45,000	TDR&TXV	13.20		11.00	355AAV060080
	CAR**4821A**	45,500	TDR&TXV	13.20		11.80	355AAV060100
	CAR**4821A**	45,500	TDR&TXV	13.20		11.00	315(A,J)AV060110
	CAR**4824A**	46,500	TXV		13.00	11.00	
	CAR**4824A**	45,000	TDR&TXV	13.20		11.00	355AAV060120
	CAR**4824A**	45,500	TDR&TXV	13.50		11.20	315(A,J)AV066135
	CAR**4824A**	45,500	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CAR**6021A**	47,500	TXV		13.00	11.00	
	CAR**6021A**	46,500	TDR&TXV	13.50		11.20	355AAV060080
	CAR**6021A**	46,500	TDR&TXV	13.50		11.20	355AAV060100
	CAR**6021A**	46,500	TDR&TXV	13.50		11.20	315(A,J)AV060110
	CAR**6024A**	47,500	TXV		13.00	11.00	
	CAR**6024A**	46,500	TDR&TXV	13.50		11.20	355AAV060120
	CAR**6024A**	46,500	TDR&TXV	13.50		11.20	315(A,J)AV066135
	CAR**6024A**	47,000	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CNRV*4821A**	46,000	TXV		13.00	11.00	
	CNRV*4821A**	45,000	TDR&TXV	13.20		11.00	355AAV060080
	CNRV*4821A**	45,000	TDR&TXV	13.20		11.00	355AAV060100
	CNRV*4821A**	45,000	TDR&TXV	13.50		11.20	315(A,J)AV060110
	CNRV*4824A**	46,500	TXV		13.00	11.00	
	CNRV*4824A**	45,500	TDR&TXV	13.20		11.00	355AAV060120
	CNRV*4824A**	45,500	TDR&TXV	13.50		11.20	315(A,J)AV066135
	CNRV*4824A**	46,000	TDR&TXV	13.50		11.20	315(A,J)AV066155
	CNRV*6024A**	47,500	TXV		13.00	11.00	

See notes on pg. 17

COMBINATION RATINGS CONTINUED

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(VOLTAGE) UNIT SIZE- SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
(N) 048-B (P) 048-B (E) 048-B (T) 048-A	CNRV*6024A**	46,500	TDR&TXV	13.50		11.20	355AAV060120
	CNRV*6024A**	46,500	TDR&TXV	13.50		11.20	315(A,J)AV066135
	CNRV*6024A**	47,000	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CNRH*4821A**	46,000	TXV		13.00	11.00	
	CNRH*4821A**	45,000	TDR&TXV	13.20		11.00	355AAV060080
	CNRH*4821A**	45,000	TDR&TXV	13.20		11.00	355AAV060100
	CNRH*4821A**	45,000	TDR&TXV	13.20		11.00	355AAV060120
	CNRH*4821A**	45,000	TDR&TXV	13.50		11.20	315(A,J)AV048090
	CNRH*4821A**	45,000	TDR&TXV	13.50		11.20	315(A,J)AV060110
	CNRH*4821A**	45,000	TDR&TXV	13.50		11.20	315(A,J)AV066135
	CNRH*4821A**	45,500	TDR&TXV	13.50		11.20	315(A,J)AV066155
	CNRH*6024A**	47,500	TXV		13.00	11.00	
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	355AAV060080
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	355AAV060100
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	355AAV060120
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	315(A,J)AV048090
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	315(A,J)AV060110
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	315(A,J)AV066135
	CNRH*6024A**	47,000	TDR&TXV	14.00		11.50	315(A,J)AV066155
	CNRF*4818A**	45,000	TXV		13.00	11.00	
	CSRH*4812A**	46,000	TXV		13.00	11.00	
	CSRH*4812A**	45,000	TDR&TXV	13.20		11.00	355AAV060080
	CSRH*4812A**	45,000	TDR&TXV	13.20		11.00	355AAV060100
	CSRH*4812A**	45,000	TDR&TXV	13.20		11.00	355AAV060120
	CSRH*4812A**	45,000	TDR&TXV	13.50		11.20	315(A,J)AV048090
	CSRH*4812A**	45,000	TDR&TXV	13.50		11.20	315(A,J)AV060110
	CSRH*4812A**	45,000	TDR&TXV	13.50		11.20	315(A,J)AV066135
	CSRH*4812A**	45,000	TDR&TXV	13.50		11.20	315(A,J)AV066155
	CSRH*6012A**	47,500	TXV		13.00	11.00	
	CSRH*6012A**	46,500	TDR&TXV	13.50		11.20	355AAV060080
	CSRH*6012A**	46,500	TDR&TXV	13.50		11.20	355AAV060100
	CSRH*6012A**	46,500	TDR&TXV	13.50		11.20	355AAV060120
	CSRH*6012A**	46,500	TDR&TXV	13.50		11.20	315(A,J)AV048090
	CSRH*6012A**	46,500	TDR&TXV	13.50		11.20	315(A,J)AV060110
	CSRH*6012A**	46,500	TDR&TXV	14.00		11.50	315(A,J)AV066135
	CSRH*6012A**	46,500	TDR&TXV	14.00		11.50	315(A,J)AV066155
	FA4CN(F,C)048	47,000	TDR&TXV	13.00		11.00	
	FA4CN(F,C)060	48,000	TDR&TXV	13.00		11.00	
	FC4DN(F,B)048	47,500	TDR&TXV	13.50		11.20	
	FC4DN(F,B)060	48,500	TDR&TXV	14.00		11.50	
	FK4DNF005	47,000	TDR&TXV	14.00		11.50	
	FK4DNB006	47,500	TDR&TXV	14.00		11.50	
	*CAR**6024A**	57,000	TXV		13.00	11.00	
(N) 060-C/D (P) 060-C/D (E) 060-C/D (T) 060-A	CAR**6021A**	56,000	TXV		13.00	11.00	
	CAR**6024A**	56,000	TDR&TXV	13.20		11.00	315(A,J)AV066135
	CAR**6024A**	56,000	TDR&TXV	13.20		11.00	315(A,J)AV066155
	CNRV*6024A**	57,000	TXV		13.00	11.00	
	CNRV*6024A**	56,000	TDR&TXV	13.20		11.00	315(A,J)AV066135
	CNRV*6024A**	56,000	TDR&TXV	13.20		11.00	315(A,J)AV066155
	CNRH*6024A**	57,000	TXV		13.00	11.00	
	CNRH*6024A**	56,000	TDR&TXV	13.20		11.00	315(A,J)AV066135
	CNRH*6024A**	56,000	TDR&TXV	13.20		11.00	315(A,J)AV066155
	CNRH*6024A**	56,000	TDR&TXV	13.20		11.00	315(A,J)AV066155

See notes on pg. 17

COMBINATION RATINGS CONTINUED

(VOLTAGE) UNIT SIZE – SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
(N) 060 – C/D (P) 060 – C/D (E) 060 – C/D (T) 060 – A							
	CSRH*6012A**	57,000	TXV		13.00	11.00	
	CSRH*6012A**	56,500	TDR&TXV	13.20		11.00	315(A,J)AV066135
	CSRH*6012A**	56,500	TDR&TXV	13.50		11.20	315(A,J)AV066155
	FA4CN(F,C)060	56,500	TDR&TXV	13.00		11.00	
	FC4DN(F,B)060	57,500	TDR&TXV	13.20		11.00	
	FK4DNB006	57,000	TDR&TXV	13.50		11.20	

* Tested combination

† In most cases, only 1 method should be used to achieve TDR function. Using more than 1 method in a system may cause degradation in performance. Use either the accessory Time–Delay Relay KAATD0101TDR or a furnace equipped with TDR. Most Bryant furnaces are equipped with TDR.

NOTES:

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

EER — Energy Efficiency Ratio

SEER — Seasonal Energy Efficiency Ratio

TDR — Time–Delay Relay

TXV — Thermostatic Expansion Valve

DETAILED COOLING CAPACITIES††

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES (°F)																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtuh†		Total Sys- tem kW**	Capacity MBtuh†		Total System kW**	Capacity MBtuh†		Total System kW**	Capacity MBtuh†		Total System kW**	Capacity MBtuh†		Total System kW**	Capacity MBtuh†		Total System kW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
113RN(A,G)018—A Outdoor Section With CAR**1814A** Indoor Section																			
525	72	20.98	11.15	1.15	20.00	10.79	1.30	19.13	10.46	1.48	18.43	10.20	1.72	17.93	10.02	2.02	17.49	9.86	2.32
	67	18.66	13.55	1.16	17.75	13.18	1.30	16.93	12.84	1.47	16.28	12.58	1.71	15.78	12.37	1.99	15.27	12.17	2.26
	62	16.83	15.95	1.16	16.03	15.54	1.29	15.34	15.16	1.46	14.81	14.81	1.69	14.41	14.41	1.97	14.01	14.01	2.22
	57	16.56	16.56	1.16	15.89	15.89	1.29	15.30	15.30	1.46	14.81	14.81	1.69	14.41	14.41	1.97	14.01	14.01	2.22
600	72	21.43	11.76	1.17	20.42	11.38	1.32	19.51	11.05	1.50	18.78	10.79	1.74	18.27	10.60	2.04	17.84	10.45	2.36
	67	19.08	14.50	1.18	18.14	14.12	1.32	17.30	13.78	1.50	16.63	13.50	1.73	16.12	13.30	2.02	15.62	13.10	2.30
	62	17.40	17.15	1.18	16.64	16.64	1.32	16.01	16.01	1.49	15.50	15.50	1.72	15.10	15.10	2.01	14.69	14.69	2.27
	57	17.35	17.35	1.18	16.65	16.65	1.32	16.02	16.02	1.49	15.50	15.50	1.72	15.10	15.10	2.01	14.69	14.69	2.27
675	72	21.78	12.32	1.20	20.73	11.94	1.34	19.79	11.60	1.53	19.04	11.34	1.77	18.52	11.15	2.08	17.45	10.78	1.65
	67	19.41	15.40	1.20	18.45	15.01	1.34	17.59	14.66	1.52	16.90	14.38	1.76	16.39	14.17	2.05	15.90	13.97	2.34
	62	18.01	18.01	1.20	17.27	17.27	1.34	16.61	16.61	1.52	16.08	16.08	1.75	15.67	15.67	2.04	15.26	15.26	2.32
	57	18.02	18.02	1.20	17.28	17.28	1.34	16.61	16.61	1.52	16.08	16.08	1.75	15.67	15.67	2.04	15.26	15.26	2.32

Multipliers for Determining the Performance With Other Indoor Sections

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAR**1814A**	1.00	1.00	
CAR**2414A**	1.02	1.02	
CAR**2417A**	1.02	1.02	
CNRF*2418A**	1.02	1.02	
CNRH*2417A**	1.02	1.02	
CNRV*1814A**	1.00	1.00	
CNRV*2414A**	1.02	1.02	
CNRV*2417A**	1.02	1.02	
CSRH*2412A**	1.02	1.02	
FA4CN(F,C)018	1.01	1.01	
FA4CN(F,C)024	1.01	1.01	
FC4DNF018	1.02	0.98	
FC4DNF024	1.03	0.98	
FF1ENE018	1.01	1.01	
FF1ENE024	1.02	1.02	
FK4DNF001	1.01	0.97	
FK4DNF002	1.03	0.98	

Cooling Indoor Model	Capacity	Power	Furnace Model
CAR**1814A**	0.98	0.94	315(A,J)AV036070
CAR**2414A**	1.01	0.96	315(A,J)AV036070
CNRH*2417A**	1.01	0.96	315(A,J)AV036070
CNRV*1814A**	0.98	0.94	315(A,J)AV036070
CNRV*2414A**	1.01	0.96	315(A,J)AV036070
CSRH*2412A**	1.01	0.96	315(A,J)AV036070
CAR**2417A**	1.01	0.96	315(A,J)AV048090
CNRH*2417A**	1.01	0.96	315(A,J)AV048090
CNRV*2417A**	1.01	0.96	315(A,J)AV048090
CSRH*2412A**	1.01	0.96	315(A,J)AV048090
CNRH*2417A**	1.01	0.96	355AAV042040
CSRH*2412A**	1.01	0.96	355AAV042040
CAR**2417A**	1.01	0.96	355AAV042060
CNRH*2417A**	1.01	0.96	355AAV042060
CNRV*2417A**	1.01	0.96	355AAV042060
CSRH*2412A**	1.01	0.96	355AAV042060
CNRH*2417A**	1.01	0.96	355AAV042080
CSRH*2412A**	1.01	0.96	355AAV042080

See notes on pg. 24

DETAILED COOLING CAPACITIES††

EVAPORA- TOR AIR		CONDENSER ENTERING AIR TEMPERATURES (°F)																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtuh†		Total Sys- tem kW**	Capacity MBtuh†		Total Sys- tem kW**	Capacity MBtuh†		Total Sys- tem kW**	Capacity MBtuh†		Total Sys- tem kW**	Capacity MBtuh†		Total Sys- tem kW**	Capacity MBtuh†		Total Sys- tem kW**
		Total	Sen- s ‡		Total	Sen- s ‡		Total	Sen- s ‡		Total	Sen- s ‡		Total	Sen- s ‡		Total	Sen- s ‡	
113RN(A,G)024–B Outdoor Section With CAR**2414A** Indoor Section																			
700	72	27.45	14.58	1.73	26.33	14.15	1.88	25.24	13.74	2.05	24.15	13.34	2.25	23.07	12.95	2.48	21.97	12.55	2.73
	67	24.61	17.79	1.72	23.57	17.36	1.87	22.55	16.94	2.03	21.54	16.52	2.23	20.52	16.11	2.44	19.47	15.69	2.68
	62	22.31	21.00	1.71	21.38	20.54	1.85	20.47	20.08	2.02	19.60	19.60	2.20	18.85	18.85	2.41	18.06	18.06	2.64
	57	21.90	21.90	1.71	21.13	21.13	1.85	20.38	20.38	2.01	19.62	19.62	2.20	18.85	18.85	2.41	18.06	18.06	2.64
800	72	28.01	15.35	1.77	26.85	14.92	1.92	25.71	14.50	2.09	24.59	14.10	2.29	23.47	13.69	2.52	22.33	13.29	2.78
	67	25.14	19.01	1.76	24.06	18.57	1.91	23.00	18.14	2.08	21.95	17.72	2.27	20.91	17.30	2.48	19.84	16.87	2.73
	62	22.97	22.58	1.75	22.06	22.06	1.89	21.28	21.28	2.06	20.48	20.48	2.25	19.67	19.67	2.46	18.84	18.84	2.70
	57	22.89	22.89	1.75	22.09	22.09	1.89	21.28	21.28	2.06	20.48	20.48	2.25	19.67	19.67	2.46	18.84	18.84	2.70
900	72	28.43	16.07	1.80	27.23	15.64	1.96	26.05	15.22	2.13	24.90	14.81	2.33	23.75	14.40	2.56	22.58	13.99	2.82
	67	25.54	20.17	1.80	24.43	19.73	1.95	23.35	19.29	2.12	22.28	18.86	2.31	21.21	18.43	2.53	20.13	17.99	2.77
	62	23.72	23.72	1.79	22.88	22.88	1.94	22.04	22.04	2.11	21.20	21.20	2.30	20.36	20.36	2.51	19.49	19.49	2.76
	57	23.73	23.73	1.79	22.88	22.88	1.94	22.04	22.04	2.11	21.20	21.20	2.30	20.36	20.36	2.51	19.49	19.49	2.76

Multipliers for Determining the Performance With Other Indoor Sections

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAR**2414A**	1.00	1.00	
CAR**2417A**	1.01	1.01	
CAR**3014A**	1.02	1.02	
CAR**3017A**	1.02	1.02	
CNRH*2418A**	1.00	1.00	
CNRH*2417A**	1.01	1.01	
CNRH*3017A**	1.02	1.02	
CNRV*2414A**	1.00	1.00	
CNRV*2417A**	1.01	1.01	
CNRV*3014A**	1.02	1.02	
CNRV*3017A**	1.02	1.02	
CSRH*2412A**	1.00	1.00	
CSRH*3012A**	1.02	1.02	
FA4CN(F,C)024	0.99	0.99	
FA4CN(F,C)030	1.00	1.00	
FC4DNF024	1.01	0.99	
FC4DNF030	1.02	0.97	
FF1DNA024	0.97	0.99	
FF1ENE024	0.98	0.98	
FF1ENE030	1.01	1.01	
FK4DNF001	1.00	0.96	
FK4DNF002	1.02	0.97	
FK4DNF003	1.01	0.96	
CAR**2414A**	0.99	0.95	315(A,J)AV036070
CAR**3014A**	1.00	0.96	315(A,J)AV036070
CNRH*2417A**	1.00	0.96	315(A,J)AV036070
CNRH*3017A**	1.00	0.96	315(A,J)AV036070
CNRV*2414A**	0.99	0.95	315(A,J)AV036070
CNRV*3014A**	1.00	0.96	315(A,J)AV036070
CSRH*2412A**	0.99	0.95	315(A,J)AV036070
CSRH*3012A**	1.00	0.96	315(A,J)AV036070
CAR**2417A**	1.00	0.96	315(A,J)AV048090
CAR**3017A**	1.00	0.96	315(A,J)AV048090
CNRH*2417A**	1.00	0.96	315(A,J)AV048090
CNRH*3017A**	1.00	0.96	315(A,J)AV048090
CNRV*2417A**	1.00	0.96	315(A,J)AV048090
CNRV*3017A**	1.00	0.96	315(A,J)AV048090
CSRH*2412A**	0.99	0.95	315(A,J)AV048090
CSRH*3012A**	1.00	0.96	315(A,J)AV048090
CNRH*2417A**	1.00	0.96	315(A,J)AV060110
CNRH*3017A**	1.00	0.96	315(A,J)AV060110
CSRH*2412A**	0.99	0.95	315(A,J)AV060110
CSRH*3012A**	1.00	0.96	315(A,J)AV060110
CNRH*2417A**	1.00	0.96	315(A,J)AV066135
CNRH*3017A**	1.00	0.96	315(A,J)AV066135
CSRH*2412A**	0.99	0.95	315(A,J)AV066135
CSRH*3012A**	1.00	0.96	315(A,J)AV066135
CNRH*2417A**	1.00	0.96	315(A,J)AV066155
CNRH*3017A**	1.00	0.96	315(A,J)AV066155
CSRH*2412A**	0.99	0.95	315(A,J)AV066155
CSRH*3012A**	1.00	0.96	315(A,J)AV066155

See notes on pg. 24

Cooling Indoor Model	Capacity	Power	Furnace Model
CNRH*2417A**	1.00	0.96	355AAV042040
CNRH*3017A**	1.00	0.96	355AAV042040
CSRH*2412A**	0.99	0.95	355AAV042040
CSRH*3012A**	1.00	0.96	355AAV042040
CAR**2417A**	1.00	0.96	355AAV042060
CAR**3017A**	1.00	0.96	355AAV042060
CNRH*2417A**	1.00	0.96	355AAV042060
CNRH*3017A**	1.00	0.96	355AAV042060
CNRV*2417A**	1.00	0.96	355AAV042060
CNRV*3017A**	1.00	0.96	355AAV042060
CSRH*2412A**	0.99	0.95	355AAV042060
CSRH*3012A**	1.00	0.96	355AAV042060
CNRH*2417A**	1.00	0.96	355AAV042080
CNRH*3017A**	1.00	0.96	355AAV042080
CSRH*2412A**	0.99	0.95	355AAV042080
CSRH*3012A**	1.00	0.96	355AAV042080
CNRH*2417A**	1.00	0.96	355AAV060080
CNRH*3017A**	1.00	0.96	355AAV060080
CSRH*2412A**	0.99	0.95	355AAV060080
CSRH*3012A**	1.00	0.96	355AAV060080
CNRH*2417A**	1.00	0.96	355AAV060100
CNRH*3017A**	1.00	0.96	355AAV060100
CSRH*2412A**	0.99	0.95	355AAV060100
CSRH*3012A**	1.00	0.96	355AAV060100
CNRH*2417A**	1.00	0.96	355AAV060120
CNRH*3017A**	1.00	0.96	355AAV060120
CSRH*2412A**	0.99	0.95	355AAV060120
CSRH*3012A**	1.00	0.96	355AAV060120

DETAILED COOLING CAPACITIES^{††} CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES (°F)																							
CFM	EWB	75				85				95				105				115				125			
		Capacity MBtu/h†		Total Sys-tem kW**	Capacity MBtu/h†		Total Sys-tem kW**	Capacity MBtu/h†		Total Sys-tem kW**	Capacity MBtu/h†		Total Sys-tem kW**	Capacity MBtu/h†		Total Sys-tem kW**	Capacity MBtu/h†		Total Sys-tem kW**						
		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡							
113R(N,P)(A,G)030 – B Outdoor Section With CAR**3014A** Indoor Section																									
875	72	32.73	17.68	2.07	31.58	17.25	2.27	30.40	16.81	2.49	29.17	16.35	2.74	27.87	15.88	3.02	26.52	15.40	3.32						
	67	29.73	21.90	2.05	28.68	21.46	2.25	27.58	21.01	2.47	26.44	20.55	2.72	25.26	20.07	3.00	24.03	19.57	3.30						
	62	27.35	26.08	2.04	26.42	25.60	2.24	25.47	25.09	2.46	24.51	24.51	2.71	23.62	23.62	2.99	22.66	22.66	3.29						
	57	27.02	27.02	2.03	26.23	26.23	2.23	25.40	25.40	2.46	24.53	24.53	2.71	23.62	23.62	2.99	22.66	22.66	3.29						
1000	72	33.23	18.58	2.12	32.04	18.14	2.32	30.82	17.70	2.54	29.54	17.24	2.79	28.21	16.76	3.07	26.81	16.27	3.37						
	67	30.23	23.36	2.10	29.13	22.92	2.30	28.00	22.46	2.52	26.83	21.98	2.77	25.61	21.49	3.05	24.34	20.98	3.35						
	62	28.08	27.87	2.09	27.21	27.21	2.29	26.33	26.33	2.51	25.40	25.40	2.76	24.44	24.44	3.04	23.43	23.43	3.35						
	57	28.06	28.06	2.09	27.21	27.21	2.29	26.33	26.33	2.51	25.41	25.41	2.76	24.44	24.44	3.04	23.43	23.43	3.35						
1125	72	33.59	19.42	2.17	32.36	18.98	2.37	31.11	18.54	2.59	29.80	18.07	2.84	28.43	17.59	3.12	27.00	17.09	3.42						
	67	30.60	24.75	2.15	29.48	24.29	2.35	28.32	23.82	2.57	27.12	23.33	2.82	25.88	22.82	3.10	24.59	22.29	3.40						
	62	28.91	28.91	2.14	28.02	28.02	2.34	27.09	27.09	2.57	26.12	26.12	2.82	25.11	25.11	3.09	24.04	24.04	3.40						
	57	28.91	28.91	2.14	28.02	28.02	2.34	27.09	27.09	2.57	26.12	26.12	2.82	25.11	25.11	3.09	24.05	24.05	3.40						

Multipliers for Determining the Performance With Other Indoor Sections

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAR**3014A**	1.00	1.00	
CAR**3017A**	1.00	1.00	
CAR**3614A**	1.00	1.00	
CAR**3617A**	1.01	1.01	
CAR**3621A**	1.01	1.01	
CNRF*3618A**	1.01	1.01	
CNRH*3017A**	1.00	1.00	
CNRH*3617A**	1.01	1.01	
CNRV*3014A**	1.00	1.00	
CNRV*3017A**	1.00	1.00	
CNRV*3617A**	1.01	1.01	
CNRV*3621A**	1.01	1.01	
CSRH*3012A**	1.00	1.00	
CSRH*3612A**	1.01	1.01	
FA4CN(F,C)030	1.00	1.00	
FA4CN(F,C)036	0.99	1.02	
FC4DN(F,B)036	1.02	0.98	
FC4DNF030	1.01	1.00	
FF1ENE030	0.99	0.99	
FF1ENE036	1.01	1.01	
FK4DNF001	1.00	0.96	
FK4DNF002	1.01	0.97	
FK4DNF003	1.01	0.97	
FK4DNF005	1.04	1.00	
CAR**3014A**	0.99	0.95	315(A,J)AV036070
CAR**3614A**	0.99	0.95	315(A,J)AV036070
CNRH*3017A**	0.99	0.95	315(A,J)AV036070
CNRH*3617A**	1.00	0.96	315(A,J)AV036070
CNRV*3014A**	0.99	0.98	315(A,J)AV036070
CSRH*3012A**	0.99	0.95	315(A,J)AV036070
CSRH*3612A**	1.00	0.96	315(A,J)AV036070
CAR**3017A**	1.00	0.96	315(A,J)AV048090
CAR**3617A**	1.00	0.96	315(A,J)AV048090
CNRH*3017A**	0.99	0.95	315(A,J)AV048090
CNRH*3617A**	1.00	0.96	315(A,J)AV048090
CNRV*3017A**	1.00	0.96	315(A,J)AV048090
CNRV*3617A**	1.00	0.96	315(A,J)AV048090
CSRH*3012A**	0.99	0.95	315(A,J)AV048090
CSRH*3612A**	1.00	0.96	315(A,J)AV048090
CAR**3621A**	1.01	0.96	315(A,J)AV060110
CNRH*3017A**	0.99	0.95	315(A,J)AV060110
CNRH*3617A**	1.00	0.96	315(A,J)AV060110
CNRV*3621A**	1.00	0.96	315(A,J)AV060110
CSRH*3012A**	0.99	0.95	315(A,J)AV060110
CSRH*3612A**	1.00	0.96	315(A,J)AV060110
CNRH*3017A**	0.99	0.95	315(A,J)AV066135
CNRH*3617A**	1.00	0.96	315(A,J)AV066135
CSRH*3012A**	0.99	0.95	315(A,J)AV066135
CSRH*3612A**	1.00	0.96	315(A,J)AV066135
CNRH*3017A**	0.99	0.95	315(A,J)AV066155
CNRH*3617A**	1.00	0.96	315(A,J)AV066155
CSRH*3012A**	0.99	0.95	315(A,J)AV066155
CSRH*3612A**	1.00	0.96	315(A,J)AV066155

See notes on pg. 24

Cooling Indoor Model	Capacity	Power	Furnace Model
CNRH*3017A**	0.99	0.95	355AAV042040
CNRH*3617A**	1.00	0.96	355AAV042040
CSRH*3012A**	0.99	0.95	355AAV042040
CSRH*3612A**	1.00	0.96	355AAV042040
CAR**3017A**	0.99	0.95	355AAV042060
CAR**3617A**	1.00	0.96	355AAV042060
CNRH*3017A**	0.99	0.95	355AAV042060
CNRH*3617A**	1.00	0.96	355AAV042060
CNRV*3017A**	0.99	0.95	355AAV042060
CNRV*3617A**	1.00	0.96	355AAV042060
CSRH*3012A**	0.99	0.95	355AAV042060
CSRH*3612A**	1.00	0.96	355AAV042060
CAR**3621A**	1.01	0.96	355AAV042080
CNRH*3017A**	0.99	0.95	355AAV042080
CNRH*3617A**	1.00	0.96	355AAV042080
CNRV*3621A**	1.00	0.96	355AAV042080
CSRH*3012A**	0.99	0.95	355AAV042080
CSRH*3612A**	1.00	0.96	355AAV042080
CAR**3621A**	1.00	0.96	355AAV060080
CNRH*3017A**	0.99	0.95	355AAV060080
CNRH*3617A**	1.00	0.96	355AAV060080
CNRV*3621A**	1.00	0.96	355AAV060080
CSRH*3012A**	0.99	0.95	355AAV060080
CSRH*3612A**	1.00	0.96	355AAV060080
CAR**3621A**	1.01	0.96	355AAV060100
CNRH*3017A**	0.99	0.95	355AAV060100
CNRH*3617A**	1.00	0.96	355AAV060100
CNRV*3621A**	1.00	0.96	355AAV060100
CSRH*3012A**	0.99	0.95	355AAV060100
CSRH*3612A**	1.00	0.96	355AAV060100
CNRH*3017A**	0.99	0.95	355AAV060120
CNRH*3617A**	1.00	0.96	355AAV060120
CSRH*3012A**	0.99	0.95	355AAV060120
CSRH*3612A**	1.00	0.96	355AAV060120

DETAILED COOLING CAPACITIES^{††} CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES (°F)																							
CFM	EWB	75				85				95				105				115				125			
		Capacity MBtu/h†		Total System kW**	Capacity MBtu/h†		Total System kW**	Capacity MBtu/h†		Total System kW**	Capacity MBtu/h†		Total System kW**	Capacity MBtu/h†		Total System kW**	Capacity MBtu/h†		Total System kW**						
		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡							
113R(N,P,E,T)(A,G)036–A,B Outdoor Section With CAR**3617A** Indoor Section																									
1000	72	39.90	21.09	2.60	38.51	20.56	2.84	37.08	20.02	3.10	35.60	19.47	3.40	34.07	18.90	3.73	32.47	18.32	4.10						
	67	36.23	25.87	2.56	34.96	25.33	2.80	33.65	24.79	3.07	32.29	24.23	3.37	30.88	23.65	3.70	29.42	23.06	4.06						
	62	33.18	30.64	2.53	32.05	30.08	2.77	30.87	29.50	3.04	29.68	28.88	3.34	28.47	28.21	3.67	27.32	27.32	4.04						
	57	32.42	32.42	2.53	31.48	31.48	2.77	30.51	30.51	3.04	29.49	29.49	3.34	28.43	28.43	3.67	27.32	27.32	4.04						
1150	72	40.59	22.14	2.66	39.13	21.60	2.90	37.65	21.05	3.17	36.12	20.49	3.47	34.52	19.92	3.80	32.87	19.33	4.16						
	67	36.89	27.56	2.63	35.56	27.02	2.87	34.20	26.47	3.13	32.80	25.90	3.43	31.34	25.31	3.76	29.83	24.71	4.13						
	62	34.02	32.89	2.60	32.87	32.27	2.84	31.68	31.68	3.11	30.64	30.64	3.41	29.51	29.51	3.74	28.33	28.33	4.11						
	57	33.77	33.77	2.60	32.77	32.77	2.84	31.73	31.73	3.11	30.65	30.65	3.41	29.52	29.52	3.74	28.33	28.33	4.11						
1300	72	41.08	23.11	2.72	39.58	22.56	2.96	38.05	22.01	3.23	36.47	21.45	3.53	34.83	20.87	3.86	33.14	20.27	4.22						
	67	37.38	29.16	2.69	36.01	28.61	2.93	34.61	28.05	3.20	33.17	27.47	3.49	31.68	26.87	3.82	30.14	26.25	4.19						
	62	34.84	34.84	2.67	33.82	33.82	2.91	32.72	32.72	3.18	31.58	31.58	3.48	30.39	30.39	3.81	29.14	29.14	4.18						
	57	34.88	34.88	2.67	33.82	33.82	2.91	32.72	32.72	3.18	31.58	31.58	3.48	30.39	30.39	3.81	29.14	29.14	4.18						

Multipliers for Determining the Performance With Other Indoor Sections

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAR**3617A**	1.00	1.00	
CAR**3614A**	0.97	0.97	
CAR**3621A**	1.01	1.01	
CAR**4221A**	1.02	1.02	
CAR**4224A**	1.02	1.02	
CNRF*3618A**	1.00	1.00	
CNRH*3617A**	1.00	1.00	
CNRH*4221A**	1.02	1.02	
CNRV*3617A**	1.00	1.00	
CNRV*3621A**	1.01	1.01	
CNRV*4221A**	1.02	1.02	
CSRH*3612A**	1.00	1.00	
CSRH*4212A**	1.02	1.02	
FA4CN(F,C)036	0.99	0.99	
FA4CN(F,C)042	1.02	1.02	
FC4DN(F,B)036	1.02	1.00	
FC4DN(F,B)042	1.04	1.00	
FF1ENE036	1.01	1.01	
FK4DNB006	1.06	1.02	
FK4DNF001	0.99	0.98	
FK4DNF002	1.01	0.99	
FK4DNF003	1.01	0.97	
FK4DNF005	1.05	1.01	
CAR**3614A**	0.97	0.95	315(A,J)AV036070
CNRH*3617A**	0.99	0.98	315(A,J)AV036070
CNRH*4221A**	1.01	0.96	315(A,J)AV036070
CSRH*3612A**	0.99	0.95	315(A,J)AV036070
CSRH*4212A**	1.01	0.96	315(A,J)AV036070
CAR**3617A**	1.01	0.99	315(A,J)AV048090
CNRH*3617A**	0.99	0.98	315(A,J)AV048090
CNRH*4221A**	1.01	0.96	315(A,J)AV048090
CNRV*3617A**	1.00	0.98	315(A,J)AV048090
CSRH*3612A**	0.99	0.95	315(A,J)AV048090
CSRH*4212A**	1.01	0.96	315(A,J)AV048090
CAR**3621A**	1.01	0.96	315(A,J)AV060110
CAR**4221A**	1.02	0.97	315(A,J)AV060110
CNRH*3617A**	0.99	0.98	315(A,J)AV060110
CNRH*4221A**	1.01	0.96	315(A,J)AV060110
CNRV*3621A**	0.99	0.98	315(A,J)AV060110
CNRV*4221A**	1.01	0.96	315(A,J)AV060110
CSRH*3612A**	0.99	0.95	315(A,J)AV060110
CSRH*4212A**	1.01	0.96	315(A,J)AV060110
CAR**4224A**	1.02	0.97	315(A,J)AV066135
CNRH*3617A**	0.99	0.98	315(A,J)AV066135
CNRH*4221A**	1.01	0.96	315(A,J)AV066135
CSRH*3612A**	0.99	0.95	315(A,J)AV066135
CSRH*4212A**	1.01	0.96	315(A,J)AV066135
CAR**4224A**	1.02	0.97	315(A,J)AV066155
CNRH*3617A**	0.99	0.95	315(A,J)AV066155
CNRH*4221A**	1.01	0.96	315(A,J)AV066155
CSRH*3612A**	0.99	0.95	315(A,J)AV066155
CSRH*4212A**	1.01	0.96	315(A,J)AV066155

See notes on pg. 24

Cooling Indoor Model	Capacity	Power	Furnace Model
CAR**4224A**	1.01	0.99	355AAV042040
CNRH*3617A**	0.99	0.98	355AAV042040
CNRH*4221A**	1.01	0.96	355AAV042040
CSRH*3612A**	0.99	0.98	355AAV042040
CSRH*4212A**	1.01	0.96	355AAV042040
CAR**3617A**	1.00	0.98	355AAV042060
CNRH*3617A**	0.99	0.98	355AAV042060
CNRH*4221A**	1.01	0.96	355AAV042060
CNRV*3617A**	1.00	0.98	355AAV042060
CSRH*3612A**	0.99	0.95	355AAV042060
CSRH*4212A**	1.01	0.96	355AAV042060
CAR**3621A**	1.00	0.98	355AAV042080
CAR**4221A**	1.01	0.99	355AAV042080
CNRH*3617A**	0.99	0.98	355AAV042080
CNRH*4221A**	1.01	0.96	355AAV042080
CNRV*3621A**	0.99	0.98	355AAV042080
CNRV*4221A**	1.01	0.96	355AAV042080
CSRH*3612A**	0.99	0.98	355AAV042080
CSRH*4212A**	1.01	0.96	355AAV042080
CAR**3621A**	1.00	0.98	355AAV060080
CAR**4221A**	1.01	0.99	355AAV060080
CNRH*3617A**	0.99	0.98	355AAV060080
CNRH*4221A**	1.01	0.96	355AAV060080
CNRV*3621A**	0.99	0.98	355AAV060080
CNRV*4221A**	1.01	0.96	355AAV060080
CSRH*3612A**	0.99	0.95	355AAV060080
CSRH*4212A**	1.01	0.96	355AAV060080
CAR**3621A**	1.01	0.99	355AAV060100
CAR**4221A**	1.01	0.97	355AAV060100
CNRH*3617A**	0.99	0.98	355AAV060100
CNRH*4221A**	1.01	0.96	355AAV060100
CNRV*3621A**	0.99	0.98	355AAV060100
CNRV*4221A**	1.01	0.96	355AAV060100
CSRH*3612A**	0.99	0.95	355AAV060100
CSRH*4212A**	1.01	0.96	355AAV060100
CAR**4224A**	1.01	0.97	355AAV060120
CNRH*3617A**	0.99	0.98	355AAV060120
CNRH*4221A**	1.01	0.96	355AAV060120
CSRH*3612A**	0.99	0.95	355AAV060120
CSRH*4212A**	1.01	0.96	355AAV060120

113R

DETAILED COOLING CAPACITIES^{††} CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES (°F)																	
		75			85			95			105			115			125		
		Capacity MBtu/h†		Total System kW**	Capacity MBtu/h†		Total System kW**	Capacity MBtu/h†		Total System kW**	Capacity MBtu/h†		Total System kW**	Capacity MBtu/h†		Total System kW**	Capacity MBtu/h†		Total System kW**
CFM	EWB	Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡	
113R(N,P,E,T)(A,G)042 – A Outdoor Section With CAR**4221A** Indoor Section																			
1225	72	47.31	25.07	2.97	45.67	24.45	3.26	43.98	23.81	3.59	42.20	23.15	3.95	40.35	22.46	4.34	38.40	21.75	4.77
	67	42.97	30.79	2.94	41.46	30.16	3.23	39.89	29.51	3.55	38.27	28.84	3.91	36.57	28.16	4.30	34.79	27.44	4.73
	62	39.35	36.51	2.91	38.02	35.86	3.20	36.64	35.17	3.52	35.23	34.43	3.88	33.73	33.73	4.27	32.42	32.42	4.70
	57	38.54	38.54	2.91	37.44	37.44	3.20	36.29	36.29	3.52	35.07	35.07	3.88	33.78	33.78	4.27	32.42	32.42	4.70
1400	72	48.07	26.24	3.05	46.36	25.60	3.33	44.59	24.95	3.66	42.75	24.28	4.02	40.83	23.58	4.41	38.81	22.86	4.84
	67	43.67	32.66	3.01	42.12	32.03	3.30	40.50	31.38	3.62	38.82	30.71	3.98	37.07	30.01	4.37	35.24	29.27	4.80
	62	40.28	39.02	2.99	38.95	38.30	3.28	37.57	37.57	3.60	36.33	36.33	3.96	34.97	34.97	4.35	33.53	33.53	4.78
	57	40.04	40.04	2.98	38.86	38.86	3.27	37.63	37.63	3.60	36.34	36.34	3.96	34.97	34.97	4.35	33.53	33.53	4.78
1575	72	48.64	27.35	3.12	46.87	26.71	3.41	45.05	26.05	3.73	43.15	25.37	4.09	41.18	24.67	4.48	39.11	23.94	4.91
	67	44.25	34.52	3.08	42.65	33.87	3.37	40.99	33.21	3.69	39.26	32.52	4.05	37.46	31.80	4.44	35.60	31.04	4.87
	62	41.22	41.22	3.06	40.03	40.03	3.35	38.73	38.73	3.67	37.37	37.37	4.03	35.94	35.94	4.43	34.43	34.43	4.86
	57	41.28	41.28	3.06	40.04	40.04	3.35	38.73	38.73	3.67	37.37	37.37	4.03	35.94	35.94	4.43	34.43	34.43	4.86

Multipliers for Determining the Performance With Other Indoor Sections

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAR**4221A**	1.00	1.00	
CAR**4224A**	1.00	1.00	
CAR**4817A**	1.00	1.00	
CAR**4821A**	1.02	1.02	
CAR**4824A**	1.02	1.02	
CNRH*4818A**	1.00	1.00	
CNRH*4221A**	1.00	1.00	
CNRH*4821A**	1.02	1.02	
CNRV*4221A**	1.00	1.00	
CNRV*4821A**	1.02	1.02	
CNRV*4824A**	1.02	1.02	
CSRH*4212A**	1.00	1.00	
CSRH*4812A**	1.01	1.01	
FA4CN(F,C)042	1.01	1.01	
FA4CN(F,C)048	1.02	1.02	
FC4DN(F,B)042	1.02	1.01	
FC4DN(F,B)048	1.05	1.00	
FK4DNB006	1.05	1.00	
FK4DNF003	0.99	0.94	
FK4DNF005	1.04	0.99	
CNRH*4221A**	0.99	0.97	315(A,J)AV036070
CNRH*4821A**	1.01	0.99	315(A,J)AV036070
CSRH*4212A**	0.99	0.97	315(A,J)AV036070
CSRH*4812A**	1.00	0.98	315(A,J)AV036070
CAR**4817A**	0.99	0.94	315(A,J)AV048090
CNRH*4221A**	0.99	0.94	315(A,J)AV048090
CNRH*4821A**	1.01	0.97	315(A,J)AV048090
CSRH*4212A**	0.99	0.94	315(A,J)AV048090
CSRH*4812A**	1.00	0.96	315(A,J)AV048090
CAR**4221A**	1.00	0.98	315(A,J)AV060110
CAR**4821A**	1.01	0.97	315(A,J)AV060110
CNRH*4221A**	0.99	0.94	315(A,J)AV060110
CNRH*4821A**	1.01	0.97	315(A,J)AV060110
CNRV*4221A**	0.99	0.94	315(A,J)AV060110
CNRV*4821A**	1.01	0.97	315(A,J)AV060110
CSRH*4212A**	0.99	0.94	315(A,J)AV060110
CSRH*4812A**	1.00	0.96	315(A,J)AV060110
CAR**4224A**	1.00	0.96	315(A,J)AV066135
CAR**4824A**	1.01	0.97	315(A,J)AV066135
CNRH*4221A**	0.99	0.94	315(A,J)AV066135
CNRH*4821A**	1.01	0.97	315(A,J)AV066135
CNRV*4824A**	1.01	0.97	315(A,J)AV066135
CSRH*4212A**	0.99	0.94	315(A,J)AV066135
CSRH*4812A**	1.00	0.96	315(A,J)AV066135
CAR**4224A**	1.00	0.96	315(A,J)AV066155
CAR**4824A**	1.01	0.97	315(A,J)AV066155
CNRH*4221A**	0.99	0.94	315(A,J)AV066155
CNRH*4821A**	1.01	0.97	315(A,J)AV066155
CNRV*4824A**	1.01	0.97	315(A,J)AV066155
CSRH*4212A**	0.99	0.94	315(A,J)AV066155
CSRH*4812A**	1.00	0.96	315(A,J)AV066155

Cooling Indoor Model	Capacity	Power	Furnace Model
CAR**4224A**	0.99	0.97	355AAV042040
CAR**4824A**	1.00	0.98	355AAV042040
CNRH*4221A**	0.99	0.97	355AAV042040
CNRH*4821A**	1.01	0.99	355AAV042040
CNRV*4824A**	1.01	0.99	355AAV042040
CSRH*4212A**	0.99	0.97	355AAV042040
CSRH*4812A**	1.00	0.98	355AAV042040
CAR**4817A**	0.99	0.97	355AAV042060
CNRH*4221A**	0.99	0.97	355AAV042060
CNRH*4821A**	1.01	0.99	355AAV042060
CSRH*4212A**	0.99	0.97	355AAV042060
CSRH*4812A**	1.00	0.98	355AAV042060
CAR**4221A**	0.99	0.97	355AAV042080
CAR**4821A**	1.00	0.98	355AAV042080
CNRH*4221A**	0.99	0.97	355AAV042080
CNRH*4821A**	1.01	0.99	355AAV042080
CNRV*4221A**	0.99	0.97	355AAV042080
CNRV*4821A**	1.01	0.99	355AAV042080
CSRH*4212A**	0.99	0.97	355AAV042080
CSRH*4812A**	1.00	0.98	355AAV042080
CAR**4221A**	0.99	0.97	355AAV060080
CAR**4821A**	1.01	0.99	355AAV060080
CNRH*4221A**	0.99	0.97	355AAV060080
CNRH*4821A**	1.01	0.99	355AAV060080
CNRV*4221A**	0.99	0.97	355AAV060080
CNRV*4821A**	1.01	0.99	355AAV060080
CSRH*4212A**	0.99	0.97	355AAV060080
CSRH*4812A**	1.00	0.98	355AAV060080
CAR**4221A**	0.99	0.97	355AAV060100
CAR**4821A**	1.01	0.97	355AAV060100
CNRH*4221A**	0.99	0.94	355AAV060100
CNRH*4821A**	1.01	0.97	355AAV060100
CNRV*4221A**	0.99	0.94	355AAV060100
CNRV*4821A**	1.01	0.97	355AAV060100
CSRH*4212A**	0.99	0.94	355AAV060100
CSRH*4812A**	1.00	0.96	355AAV060100
CAR**4224A**	0.99	0.97	355AAV060120
CAR**4824A**	1.01	0.97	355AAV060120
CNRH*4221A**	0.99	0.94	355AAV060120
CNRH*4821A**	1.01	0.97	355AAV060120
CNRV*4824A**	1.01	0.97	355AAV060120
CSRH*4212A**	0.99	0.94	355AAV060120
CSRH*4812A**	1.00	0.96	355AAV060120

See notes on pg. 24

DETAILED COOLING CAPACITIES^{††} CONTINUED

EVAPORA-TOR AIR		CONDENSER ENTERING AIR TEMPERATURES (°F)																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtu/h†		Total Sys-tem kW**	Capacity MBtu/h†		Total Sys-tem kW**	Capacity MBtu/h†		Total Sys-tem kW**	Capacity MBtu/h†		Total Sys-tem kW**	Capacity MBtu/h†		Total Sys-tem kW**	Capacity MBtu/h†		Total Sys-tem kW**
		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡	
113R(N,P,E,T)(A,G)048—A,B Outdoor Section With CAR**4821A** Indoor Section																			
1400	72	54.29	28.34	3.42	52.13	27.51	3.71	49.95	26.68	4.04	47.78	25.86	4.41	45.58	25.04	4.82	43.34	24.21	5.27
	67	49.26	34.53	3.38	47.24	33.67	3.67	45.19	32.81	3.99	43.16	31.97	4.35	41.08	31.12	4.74	38.98	30.27	5.18
	62	44.79	40.67	3.34	42.95	39.78	3.63	41.11	38.89	3.94	39.27	37.98	4.29	37.46	37.03	4.68	35.80	35.80	5.11
	57	43.36	43.36	3.33	41.90	41.90	3.61	40.41	40.41	3.93	38.91	38.91	4.28	37.37	37.37	4.67	35.80	35.80	5.11
1600	72	55.34	29.69	3.50	53.08	28.85	3.80	50.82	28.01	4.13	48.57	27.18	4.50	46.28	26.35	4.90	43.96	25.51	5.36
	67	50.23	36.68	3.46	48.13	35.81	3.75	46.00	34.94	4.07	43.90	34.09	4.43	41.76	33.24	4.83	39.60	32.37	5.27
	62	45.90	43.58	3.43	44.03	42.64	3.71	42.18	41.65	4.03	40.47	40.47	4.38	38.85	38.85	4.78	37.19	37.19	5.22
	57	45.23	45.23	3.42	43.66	43.66	3.71	42.08	42.08	4.03	40.48	40.48	4.39	38.86	38.86	4.78	37.19	37.19	5.22
1800	72	56.11	30.96	3.58	53.78	30.10	3.88	51.45	29.25	4.21	49.13	28.41	4.58	46.79	27.58	4.99	44.41	26.73	5.44
	67	50.96	38.71	3.54	48.79	37.84	3.83	46.61	36.97	4.16	44.45	36.10	4.52	42.27	35.24	4.92	40.06	34.36	5.36
	62	46.90	46.19	3.51	45.07	45.07	3.80	43.45	43.45	4.12	41.77	41.77	4.48	40.06	40.06	4.88	38.32	38.32	5.32
	57	46.76	46.76	3.51	45.12	45.12	3.80	43.45	43.45	4.12	41.77	41.77	4.48	40.07	40.07	4.88	38.33	38.33	5.32

Multipliers for Determining the Performance With Other Indoor Sections

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAR**4821A**	1.00	1.00	
CAR**4817A**	0.98	0.98	
CAR**4824A**	1.01	1.01	
CAR**6021A**	1.03	1.03	
CAR**6024A**	1.03	1.03	
CNRF*4818A**	0.98	0.98	
CNRH*4821A**	1.00	1.00	
CNRH*6024A**	1.03	1.03	
CNRV*4821A**	1.00	1.00	
CNRV*4824A**	1.01	1.01	
CNRV*6024A**	1.03	1.03	
CSRH*4812A**	1.00	1.00	
CSRH*6012A**	1.03	1.03	
FA4CN(F,C)048	1.02	1.02	
FA4CN(F,C)060	1.04	1.04	
FC4DN(F,B)048	1.03	1.01	
FC4DN(F,B)060	1.05	1.01	
FK4DNB006	1.03	0.99	
FK4DNF005	1.02	0.98	
CAR**4817A**	0.97	0.97	315(A,J)AV048090
CNRH*4821A**	0.98	0.96	315(A,J)AV048090
CNRH*6024A**	1.01	0.99	315(A,J)AV048090
CSRH*4812A**	0.98	0.96	315(A,J)AV048090
CSRH*6012A**	1.01	0.99	315(A,J)AV048090
CAR**4821A**	0.99	0.99	315(A,J)AV060110
CAR**6021A**	1.01	0.99	315(A,J)AV060110
CNRH*4821A**	0.98	0.96	315(A,J)AV060110
CNRH*6024A**	1.01	0.99	315(A,J)AV060110
CNRV*4821A**	0.98	0.96	315(A,J)AV060110
CSRH*4812A**	0.98	0.96	315(A,J)AV060110
CSRH*6012A**	1.01	0.99	315(A,J)AV060110
CAR**4824A**	0.99	0.97	315(A,J)AV066135
CAR**6024A**	1.01	0.99	315(A,J)AV066135
CNRH*4821A**	0.98	0.96	315(A,J)AV066135
CNRH*6024A**	1.01	0.99	315(A,J)AV066135
CNRV*4824A**	0.99	0.97	315(A,J)AV066135
CNRV*6024A**	1.01	0.99	315(A,J)AV066135
CSRH*4812A**	0.98	0.96	315(A,J)AV066135
CSRH*6012A**	1.01	0.97	315(A,J)AV066135
CAR**4824A**	0.99	0.95	315(A,J)AV066155
CAR**6024A**	1.02	0.98	315(A,J)AV066155
CNRH*4821A**	0.99	0.97	315(A,J)AV066155
CNRH*6024A**	1.02	0.98	315(A,J)AV066155
CNRV*4824A**	1.00	0.98	315(A,J)AV066155
CNRV*6024A**	1.02	0.98	315(A,J)AV066155
CSRH*4812A**	0.98	0.96	315(A,J)AV066155
CSRH*6012A**	1.01	0.97	315(A,J)AV066155

See notes on pg. 24

Cooling Indoor Model	Capacity	Power	Furnace Model
CAR**4821A**	0.98	0.98	355AAV060080
CAR**6021A**	1.01	0.99	355AAV060080
CNRH*4821A**	0.98	0.98	355AAV060080
CNRH*6024A**	1.01	0.99	355AAV060080
CNRV*4821A**	0.98	0.98	355AAV060080
CSRH*4812A**	0.98	0.98	355AAV060080
CSRH*6012A**	1.01	0.99	355AAV060080
CAR**4821A**	0.99	0.92	355AAV060100
CAR**6021A**	1.01	0.99	355AAV060100
CNRH*4821A**	0.98	0.98	355AAV060100
CNRH*6024A**	1.01	0.99	355AAV060100
CNRV*4821A**	0.98	0.98	355AAV060100
CSRH*4812A**	0.98	0.98	355AAV060100
CSRH*6012A**	1.01	0.99	355AAV060100
CAR**4824A**	0.98	0.98	355AAV060120
CAR**6024A**	1.01	0.99	355AAV060120
CNRH*4821A**	0.98	0.98	355AAV060120
CNRH*6024A**	1.01	0.99	355AAV060120
CNRV*4824A**	0.99	0.99	355AAV060120
CNRV*6024A**	1.01	0.99	355AAV060120
CSRH*4812A**	0.98	0.98	355AAV060120
CSRH*6012A**	1.01	0.99	355AAV060120

113R

DETAILED COOLING CAPACITIES†† CONTINUED

EVAPORA- TOR AIR		CONDENSER ENTERING AIR TEMPERATURES (°F)																							
		75				85				95				105				115				125			
CFM	EWB	Capacity MBtuh†		Total Sys- tem kW**	Capacity MBtuh†		Total Sys- tem kW**	Capacity MBtuh†		Total Sys- tem kW**	Capacity MBtuh†		Total Sys- tem kW**	Capacity MBtuh†		Total Sys- tem kW**	Capacity MBtuh†		Total Sys- tem kW**	Capacity MBtuh†		Total Sys- tem kW**			
		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡				
113R(N,P,E,T)(A,G)060 – C Outdoor Section With CAR**6024A** Indoor Section																									
1750	72	66.68	35.26	4.16	64.21	34.32	4.58	61.64	33.35	5.04	58.95	32.35	5.55	56.14	31.31	6.10	53.18	30.23	6.69						
	67	60.79	43.36	4.12	58.51	42.40	4.54	56.12	41.41	5.00	53.64	40.39	5.50	51.03	39.33	6.05	48.29	38.22	6.63						
	62	55.74	51.41	4.10	53.68	50.41	4.51	51.54	49.35	4.97	49.34	48.22	5.47	47.05	47.05	6.00	44.99	44.99	6.58						
	57	54.40	54.40	4.09	52.72	52.72	4.51	50.94	50.94	4.96	49.07	49.07	5.46	47.10	47.10	6.00	44.99	44.99	6.58						
2000	72	67.80	36.97	4.26	65.22	36.02	4.68	62.55	35.04	5.14	59.77	34.02	5.65	56.85	32.97	6.20	53.79	31.88	6.80						
	67	61.85	46.12	4.22	59.47	45.15	4.64	57.00	44.15	5.10	54.43	43.11	5.61	51.74	42.03	6.15	48.92	40.90	6.74						
	62	57.03	55.06	4.20	54.95	53.96	4.61	52.81	52.81	5.07	50.87	50.87	5.58	48.77	48.77	6.12	46.54	46.54	6.70						
	57	56.54	56.54	4.19	54.74	54.74	4.61	52.85	52.85	5.07	50.88	50.88	5.58	48.78	48.78	6.12	46.55	46.55	6.70						
2250	72	68.61	38.59	4.35	65.94	37.62	4.77	63.20	36.63	5.24	60.34	35.61	5.75	57.34	34.54	6.30	54.20	33.44	6.90						
	67	62.64	48.76	4.32	60.19	47.77	4.74	57.65	46.75	5.20	55.02	45.69	5.71	52.27	44.59	6.25	49.39	43.43	6.84						
	62	58.24	58.24	4.30	56.40	56.40	4.72	54.41	54.41	5.18	52.33	52.33	5.68	50.12	50.12	6.23	47.79	47.79	6.82						
	57	58.29	58.29	4.30	56.40	56.40	4.72	54.42	54.42	5.18	52.33	52.33	5.68	50.13	50.13	6.23	47.80	47.80	6.82						

EVAPORA- TOR AIR		CONDENSER ENTERING AIR TEMPERATURES (°F)																					
		75			85			95			105			115			125						
CFM	EWB	Capacity MBtuh†		Total Sys-tem kW**	Capacity MBtuh†		Total Sys-tem kW**	Capacity MBtuh†		Total Sys-tem kW**	Capacity MBtuh†		Total Sys-tem kW**	Capacity MBtuh†		Total Sys-tem kW**	Capacity MBtuh†		Total Sys-tem kW**				
		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡					
113R(N,P,E,T)(A,G)060–A,D Outdoor Section With CAR**6024A** Indoor Section																							
1750	72	66.53	35.15	4.08	64.10	34.23	4.54	61.58	33.28	5.06	58.96	32.30	5.63	56.21	31.28	6.25	53.33	30.23	6.92				
	67	60.70	43.23	4.06	58.47	42.29	4.53	56.13	41.32	5.04	53.71	40.33	5.60	51.17	39.29	6.22	48.50	38.22	6.88				
	62	55.68	51.26	4.05	53.67	50.29	4.51	51.58	49.26	5.02	49.44	48.17	5.58	47.23	46.96	6.19	45.15	45.15	6.85				
	57	54.31	54.31	4.05	52.67	52.67	4.51	50.94	50.94	5.02	49.13	49.13	5.58	47.20	47.20	6.19	45.16	45.16	6.85				
2000	72	67.63	36.85	4.18	65.10	35.91	4.64	62.47	34.95	5.16	59.76	33.96	5.73	56.91	32.93	6.35	53.93	31.87	7.02				
	67	61.74	45.97	4.16	59.42	45.03	4.63	57.00	44.04	5.14	54.50	43.03	5.71	51.88	41.98	6.32	49.13	40.88	6.98				
	62	56.95	54.90	4.15	54.92	53.83	4.61	52.79	52.79	5.13	50.91	50.91	5.69	48.87	48.87	6.30	46.70	46.70	6.96				
	57	56.44	56.44	4.15	54.69	54.69	4.61	52.84	52.84	5.13	50.92	50.92	5.69	48.87	48.87	6.30	46.71	46.71	6.96				
2250	72	68.43	38.46	4.28	65.81	37.51	4.74	63.11	36.53	5.26	60.32	35.53	5.83	57.40	34.50	6.45	54.34	33.42	7.12				
	67	62.52	48.60	4.26	60.13	47.63	4.73	57.64	46.63	5.24	55.08	45.60	5.81	52.40	44.53	6.42	49.59	43.40	7.09				
	62	58.13	58.13	4.25	56.33	56.33	4.72	54.39	54.39	5.23	52.36	52.36	5.79	50.21	50.21	6.41	47.94	47.94	7.07				
	57	58.18	58.18	4.25	56.34	56.34	4.72	54.39	54.39	5.23	52.37	52.37	5.79	50.22	50.22	6.41	47.95	47.95	7.07				

Multipliers for Determining the Performance With Other Indoor Sections

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAR**6024A**	1.00	1.00	
CAR**6021A**	0.98	0.98	
CNRH*6024A**	1.00	1.00	
CNRV*6024A**	1.00	1.00	
CSRH*6012A**	1.00	1.00	
FA4CN(F,C)060	0.99	0.99	
FC4DN(F,B)060	1.01	1.01	
FK4DNB006	1.00	0.98	
CAR**6024A**	0.98	0.98	315(A,J)AV066135
CNRH*6024A**	0.98	0.98	315(A,J)AV066135
CNRV*6024A**	0.98	0.98	315(A,J)AV066135
CSRH*6012A**	0.99	0.99	315(A,J)AV066135
CAR**6024A**	0.98	0.98	315(A,J)AV066155
CNRH*6024A**	0.98	0.98	315(A,J)AV066155
CNRV*6024A**	0.98	0.98	315(A,J)AV066155

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

* Tested combination

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

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

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

†† Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per ARI standard 210/240–94. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

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

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

Delivery, Storage, and Handling

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

Warranty (for inclusion by specifying engineer)

- U.S. and Canada only.

PRODUCTS

Equipment

Factory-assembled, single-piece, air-cooled air conditioner unit. Contained within the unit enclosure is all factory wiring, piping, controls, compressor, refrigerant charge, and special features required prior to field start-up.

Unit Cabinet

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

Fans

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

AIR-COOLED, SPLIT-SYSTEM AIR CONDITIONER

113R

1-1/2 TO 5 NOMINAL TONS

Compressor

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

Condenser Coil

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

Refrigeration Components

- Refrigeration circuit components will include liquid-line shutoff valve with sweat connections, vapor-line shutoff valve with sweat connections, system charge of R-22 refrigerant, and compressor oil.
- Unit will be equipped with filter drier.

Operating Characteristics

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

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