

25HBR3
Base™ Series 13 Heat Pump
1 – 1/2 To 5 Nominal Tons
(Sizes 18 – 60)



Turn to the Experts.™

Product Data



INDUSTRY LEADING FEATURES / BENEFITS

Efficiency

- 13 SEER/ 11 EER / Up to 8.6 HSPF (Nominal)
- Microtube Technology™ refrigeration system
- Indoor air quality accessories available

Sound

- Sound level as low as 74 dBA
- Sound level as low as 72 dBA with accessory sound blanket.

Comfort

- System supports Thermidistat™ or standard thermostat controls

Reliability

- Scroll compressor
- Filter drier
- Loss of charge switch
- Balanced refrigeration system for maximum reliability

Durability

WeatherArmor™ protection package:

- Solid, Durable sheet metal construction
- Wire coil guard
- Baked-on powder paint

Applications

- Long-line - up to 250 feet (76.20 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 60 ft. (18.29 m) evaporator above condenser (See Longline Guide for more information.)
- Low ambient (down to -20°F/-28.9°C) 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

	2	3	4	5	6	7	8	9	10	11	12	13
N	N	A	A	A/N	N	N	N	A/N	A/N	A/N	N	N
2	5	H	B	R	3	3	6	A	0	0	3	0
Product Series	Product Family	Tier	Major Series	SEER		Cooling Capacity	Grille Variations	Open	Open		Voltage	Series
25 = HP	H = RES HP	B=Base	R = R-22	3=13 SEER			A = Standard G = Dense Coil Guard	0=Not Defined	0=Not Defined		3=208/230-1 5=208/230-3 6=460/3	0 = Original Series



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

STANDARD FEATURES

Feature	18	24	30	31	36	60
13 SEER	X	X	X	X	X	X
Scroll Compressor	X	X	X	X	X	X
Wire Coil Guard	X	X	X	X	X	X
Field Installed Filter Drier	X	X	X	X	X	X
Front Seating Service Valves	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X
Long Line capability	X	X	X	X	X	X
Low Ambient capability with Kit	X	X	X	X	X	X
Loss of Charge Switch	X	X	X	X	X	X

X = Standard

PHYSICAL DATA

UNIT SIZE – VOLTAGE, SERIES	18–33	24–31	30–31,51	31–30,50	36–32,52,62	42–32,52,62	48–32,52,62	60–33,53,63
Operating Weight lb (kg)	159 (72.12)	160 (72.58)	208 (94.35)	162 (73.48)	187 (84.82)	203 (92.08)	229 (103.87)	271 (12.92)
Shipping Weight lb (kg)	184 (83.46)	185 (83.92)	240 (108.86)	180 (81.65)	225 (102.06)	239 (119.75)	264 (119.75)	303 (137.44)
Compressor Type	Scroll							
REFRIGERANT	Freon® (R–22)							
Control	TXV (R–22 Hard Shutoff)							
Charge lb (kg)	5.5 (2.49)	6 (2.72)	7.5 (3.40)	6.2 (2.81)	7.8 (3.54)	10 (4.54)	12 (5.44)	13.5 (6.12)
Outdoor Heating Piston #	40	49	57	57	57	65	70	78
COND FAN	Propeller Type, Direct Drive							
Air Discharge	Vertical							
Air Qty (CFM)	2233	2614	2614	2614	3334	3810	4046	4046
Motor HP	1/12	1/10	1/10	1/10	1/8	1/5	1/4	1/4
Motor RPM	800	1100	1100	1100	800	800	800	800
COND COIL								
Face Area Sq ft (m)	15.09 (4.56)	15.09 (4.56)	25.87 (7.89)	15.09 (4.56)	20.12 (6.13)	25.15 (7.67)	17.60 (5.36)	20.12 (9.13)
Fins per In.	20	20	20	20	20	20	20	20
Rows	1	1	1	1	1	1	2	2
Circuits	5	6	6	5	6	7	8	9
VALVE CONNECT. (In. ID)								
Vapor	5/8	5/8	3/4	3/4	3/4	7/8	7/8	7/8
Liquid	3/8							
REFRIGERANT TUBES (In. OD)								
Rated Vapor*	5/8		3/4			7/8		1–1/8
Liquid	3/8							

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

Note: See unit Installation Instruction for proper installation.

VAPOR LINE SIZING AND COOLING CAPACITY LOSS

1-STAGE HEAT PUMP APPLICATIONS

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

when outdoor unit is above indoor unit, and 80 ft. (24.38 m) when the outdoor unit is below the indoor unit. Refer to Accessory Usage Guideline below for required accessories. See Longline Application Guideline for required piping and system modifications. Also, refer to the table below for vapor tube diameters based on the total length to minimize the cooling capacity loss.

Unit Nominal Size (Btuh)	Maximum Liquid Line Diameters (In. OD)	Vapor Line Diameters (In.) OD	Cooling Capacity Loss (%) Total Equivalent Line Length ft. (m)								
			Standard Application			Long Line Application Requires Accessories					
			26–50 (7.9–15.2)	51–80 (15.5–24.4)	81–100 (24.7–30.5)	101–125 (30.8–38.1)	126–150 (38.4–45.7)	151–175 (46.0–53.3)	176–200 (53.6–61.0)	201–225 (61.3–68.6)	226–250 (68.9–76.2)
18,000 R-22 HP	3/8	5/8	0	1	1	2	3	3	4	5	5
		3/4	0	0	0	0	1	1	1	1	2
		5/8	0	1	3	3	5	6	7	8	9
		3/4	0	0	0	1	1	1	2	2	3
		7/8	0	0	0	0	0	0	0	1	1
		5/8	1	3	5	6	8	10	11	13	15
		3/4	0	1	1	2	3	3	4	5	5
		7/8	0	0	0	1	1	1	2	2	2
		3/4	0	1	2	3	4	5	6	7	8
		7/8	0	0	1	1	2	2	3	3	4
		3/4	1	2	3	4	5	7	8	9	10
		7/8	0	1	1	2	2	3	4	4	5
		3/4	1	2	4	5	7	8	10	11	13
		7/8	0	1	2	2	3	4	5	5	6
		1–1/8	0	0	0	0	0	1	1	1	1
		7/8	1	2	3	4	5	7	8	9	10
		1–1/8	0	0	1	1	1	2	2	2	3

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

25HBR3

ACCESSORY THERMOSTATS

THERMOSTAT / SUBBASE PKG.	DESCRIPTION
TP-PRH-01	Performance Series Programmable Thermidistat
TP-NRH-01	Performance Series Non-programmable Thermidistat
TP-PHP-01	Performance Series Programmable HP Stat
TP-NHP-01	Performance Series Non-programmable HP Stat
TC-PHP-01	Comfort Series Programmable HP Stat
TC-NHP-01	Comfort Series Non-programmable HP Stat
TB-PHP-01	Base Series Programmable HP Stat
TB-NHP-01	Base Series Non-programmable HP Stat
TSTATCCPRH01-B*	Thermidistat™ Control — Non-Programmable/Programmable Thermostat with Humidity Control (For use in Dual Fuel, AC, HP, and 2S applications. Includes Outdoor Air Temperature Sensor.)
TSTATCCPHH01-B*	HybridHeat™ (Dual Fuel) Thermostat — Auto Changeover, 7-Day Programmable, °F/°C, Includes Outdoor Sensor (TSTATXXSEN01-B)
TSTATCCPHP01-B	Thermostat — Auto Changeover, 7-Day Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool
TSTATCCNHP01-C	Thermostat — Auto Changeover, Non-Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool
TSTATCCSHP01	Standard Programmable Thermostat—Manual Changeover, 5-2 Day Programmable, °F/°C, 1-Stage Heat/ 1-Stage Cool
TSTATCCBHP01*-B	Builder's Thermostat — Heat Pump, Non-Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool, Manual Changeover
TSTATXXSEN01-B**	Outdoor Air Temperature Sensor
TSTATXXNBP01	Backplate for Non-Programmable Thermostat
TSTATXXBP01	Backplate for Programmable Thermostat and Thermidistat™ Control
TSTATXXSBP01	Backplate for Standard Programmable Thermostat
TSTATXXBBP01	Backplate for Builder's Thermostat
TSTATXXCNV10†	Thermostat Conversion Kit (4 to 5 Wire) — 10 Pack

* Do not use in zoning heat pump applications.

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

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

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

ACCESSORIES

ORDER NUMBER	DESCRIPTION	18-33	24-31	30-31	30-51	31-30	31-50	36-32	36-52	36-62	42-32	42-52	42-62	48-32	48-52	48-62	60-33	60-53	60-63
HC32GE229	BALL BEARING MOTOR	X																	
HC34GE240	BALL BEARING MOTOR		X	X	X	X	X												
HC36GE232	BALL BEARING MOTOR							X	X										
HC40GE228	BALL BEARING MOTOR										X	X		X	X		X	X	
HC36GE462	BALL BEARING MOTOR									X									
HC38GE462	BALL BEARING MOTOR												X						
HC40GE467	BALL BEARING MOTOR															X			X
KAACH1201AAA	CRANKCASE HTR																		
KAACH1301AAA	CRANKCASE HTR																		
KAACH1601AAA	CRANKCASE HTR			X		X		X											
KAACH1701AAA	CRANKCASE HTR	X	X																
STANDARD	CRANKCASE HTR				S		S		S	S	S	S	S	S	S	S	S	S	S
KSACY0101AAA	CYCLE PROTECTOR	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
KSAHS1501AAA	HARD START	X	X	X		X		X			X			X					
KSAHS1601AAA	HARD START																X		
KSAHI0401R22	HIGH PRESS SW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KHAIR0101AAA	ISOLATION RELAY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSALA0201R22	LOW AMBIENT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSALA0601AAA	MOTORMASTER 230V	X	X	X	X	X	X	X	X		X	X		X	X		X	X	
KSALA0701AAA	MOTORMASTER 460V									X			X			X			X
KHAOT0201SEC	OUTDOOR TSTAT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KHAOT0301FST	OUTDOOR TSTAT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KHASS0606MPK*	SNOW STAND/RACK	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KHALS0401LLS	SOLENOID VALVE	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			
KSASH1801COP	SOUND BLKT	X	X																
KSASH2101COP	SOUND BLKT																X	X	X
KAACS0201PTC	START ASSIST PTC	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
KAAATD0101TDR	TIME DELAY	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							
KSATX0701HSO	TXV													X	X	X			
KSATX1001HSO	TXV																X	X	X

*Available through RCD

X = Accessory

S = Standard

ACCESSORY USAGE GUIDELINE

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

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

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

Accessory Description and Usage (Listed Alphabetically)

1. Ball-Bearing Fan Motor

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

Usage Guideline:

Required on all units when MotorMaster® is used.

2. Compressor Start Assist - Capacitor and Relay

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

Usage Guideline:

Required for reciprocating compressors in the following applications:

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

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

- Long line
- Low ambient cooling

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

3. Compressor Start Assist — PTC Type

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

Usage Guideline:

Suggested in installations with marginal power supply.

4. Crankcase Heater

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

Usage Guideline:

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

5. 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

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.

7. High Pressure Switch

A high pressure switch that protects unit against excessive pressure.

Usage Guideline:

Required in all heat pumps operated in dual fuel applications.

8. Isolation Relay

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

Usage Guideline:

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

9. Liquid-Line Solenoid Valve (LLS)

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

Usage Guideline:

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

10. 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 (-18°C) when properly installed.

Usage Guideline:

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

Accessory Description and Usage (Listed Alphabetically) - CONTINUED

11. 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 ± 5.5°C).

Usage Guideline:

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

Suggested for all commercial applications.

12. Outdoor Air Temperature Sensor

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

Usage Guideline:

Suggested for all Carrier thermostats listed in this publication.

13. Outdoor Thermostat

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

Usage Guideline:

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

Usage Guideline:

Some local codes may require limiting the heating head pressure in the vapor line in some applications.

14. Secondary Outdoor Thermostat

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

Usage Guideline:

Outdoor thermostat applications where electric heater is capable of 3-stage operation.

15. Snow Stand

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

Usage Guideline:

Suggested in the following applications:

- Heat pump installations in heavy snowfall areas.
- Heat pump installations in snow drift locations.
- Heat pump installations in areas of prolonged subfreezing temperatures.
- All commercial installations.

16. Sound Hood

Wraparound sound reducing cover for the compressor. Reduces the sound level up to 2 dBA.

Usage Guideline:

Suggested when unit is installed closer than 15 ft (4.57 m) to quiet areas, bedrooms, etc.

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

Usage Guideline:

Suggested in the following applications:

Heat pump installations in heavy snowfall areas.

Heat pump installations in snowdrift locations.

Heat pump installations in areas of prolonged subfreezing temperatures.

All commercial installations.

17. Thermostatic Expansion Valve (TXV) Bi-Flow

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

Usage Guideline:

Required in all heat pump applications

18. Time-Delay Relay

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

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

Usage Guideline:

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

ELECTRICAL DATA

UNIT SIZE	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE†	MIN WIRE SIZE†	MAX LENGTH ft (m)‡	MAX LENGTH ft (m)‡	MAX FUSE** or CKT BRK AMPS
		MAX	MIN	LRA	RLA			60° C	75° C	60° C	75° C	
18–33	208/230/1	253	197	41	9.0	0.5	11.7	14	14	67 (20.4)	64 (19.5)	20
24–31				54	11.3	0.75	14.8	14	14	53 (16.2)	51 (15.5)	25
30–31				72.5	14.8	0.75	19.2	12	12	65 (19.8)	62 (18.9)	30
31–30				72.5	13.5	0.75	17.6	14	14	45 (13.7)	43 (13.1)	30
36–32				88	16.0	0.9	20.9	12	12	60 (18.3)	57 (17.4)	30
42–32				104	20.2	1.2	26.5	10	10	75 (22.9)	72 (21.9)	40
48–32				137	21.2	1.2	27.6	10	10	72 (25.3)	69 (21.0)	40
60–33				148	25.0	1.2	32.5	8	8	96 (29.3)	91 (27.7)	50
30–51	208/230/3	253	197	63	10.4	0.75	13.75	14	14	66 (20.1)	63 (19.2)	20
31–50				63	9.0	0.75	12	14	14	76 (23.2)	72 (21.9)	20
36–52				77	10.7	0.9	14.3	14	14	64 (19.5)	60 (18.3)	20
42–52				88	12.8	1.2	17.2	14	14	53 (16.2)	50 (15.2)	25
48–52				91	13.8	1.2	18.4	14	14	49 (14.9)	47 (14.3)	30
60–53				123	17.3	1.2	22.8	12	12	63 (19.2)	60 (18.3)	40
36–62	460/3	506	414	39	5.1	0.5	6.9	14	14	264 (80.5)	251 (76.5)	15
42–62				44	6.1	0.5	8.1	14	14	225 (68.6)	214 (65.2)	15
48–62				46	7.1	0.6	9.4	14	14	193 (58.8)	184 (56.1)	15
60–63				49.5	6.7	0.6	10.4	14	14	175 (53.3)	166 (50.6)	20

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

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

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

** Time–Delay fuse.

FLA – Full Load Amps

LRA – Locked Rotor Amps

MCA– Minimum Circuit Amps

RLA – Rated Load Amps

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

A-WEIGHTED SOUND POWER

UNIT SIZE – VOLTAGE, SERIES	STANDARD RATING (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18–33	75	52.0	59.5	64.5	71.0	67.0	61.5	54.5
24–31	76	52.5	63.5	69.5	72.0	67.5	64.5	59.5
30–31, 51	76	52.0	64.0	70.0	71.0	68.0	66.5	65.0
31–30, 50	75	53.0	63.5	68.5	71.0	68.0	64.5	59.5
36–32, 52, 62	74	52.0	62.0	65.0	70.0	66.5	64.0	59.5
42–32, 52, 62	76	53.5	63.0	67.5	72.5	68.5	65.0	63.0
48–32, 52, 62	76	56.5	64.5	68.5	71.5	68.0	64.5	59.0
60–33, 53, 63	76	57.5	62.0	69.5	70.5	68.0	64.0	57.5

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

A-WEIGHTED SOUND POWER WITH SOUND HOOD

UNIT SIZE – VOLTAGE, SERIES	STANDARD RATING (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18–33	72	52.0	59.5	64.0	68.0	64.0	60.0	52.5
24–31	75	53.5	63.0	69.0	70.5	66.5	64.0	58.5
30–31, 51	75	53.0	64.5	69.5	70.5	67.5	64.5	60.5
31–30, 50	74	53.0	64.0	68.5	70.0	67.0	63.0	57.5
36–32, 52, 62	72	53.5	61.5	64.5	68.0	64.0	60.0	54.5
42–32, 52, 62	75	54.0	62.5	67.0	70.5	66.0	63.5	58.5
48–32, 52, 62	75	57.0	65.0	68.5	70.5	66.5	63.0	55.5
60–33, 53, 63	73	57.0	62.5	67.5	68.5	66.5	60.5	53.5

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

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE – VOLTAGE, SERIES	REQUIRED SUBCOOLING °F (°C)
18–33	9 (5)
24–31	11 (6.1)
30–31, 51	8 (4.4)
31–30, 50	10 (5.6)
36–32, 52, 62	11 (6.1)
42–32, 52, 62	11 (6.1)
48–32, 52, 62	12 (6.7)
60–33, 53, 63	12 (6.7)

DIMENSIONS

25HBR3

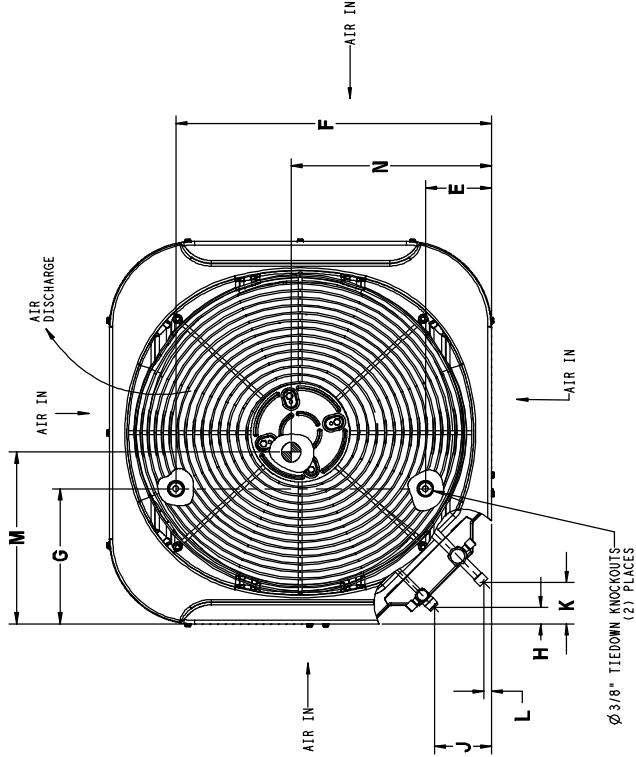
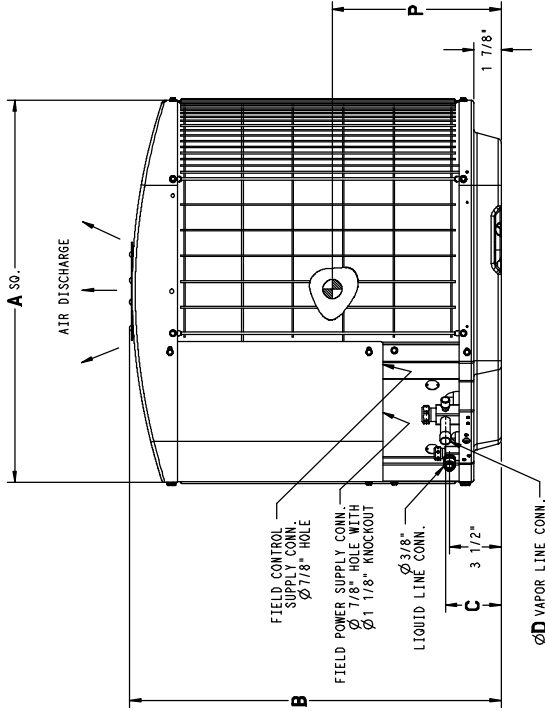
UNIT	SERIES	ELECTRICAL CHARACTERISTICS			A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT	SHIPPING WEIGHT	SHIPPING DIMENSIONS (L x W x H)		
25HBR318	3	X	0	0	31 3/16"	28 15/16"	3 3/4"	5/8"	6 9/16"	24 11/16"	9 1/8"	1 1/8"	3 13/16"	2 13/16"	1/2"	16 5/8"	14 3/8"	11 1/2"	159#	184#	32 3/8" X 35 1/2" X 32 9/16"		
25HBR324	1	X	0	0	31 3/16"	28 15/16"	3 3/4"	5/8"	6 9/16"	24 11/16"	9 1/8"	1 1/8"	3 13/16"	2 13/16"	1/2"	16 1/2"	15 1/8"	13 5/8"	160#	185#	32 3/8" X 35 1/2" X 32 9/16"		
25HBR330	1	X	0	X	31 3/16"	45 15/16"	3 3/4"	3/4"	6 9/16"	24 11/16"	9 1/8"	1 1/8"	3 13/16"	2 13/16"	1/2"	16 1/2"	15 1/2"	20 3/4"	208#	240#	32 3/8" X 35 1/2" X 49 9/16"		
25HBR331	0	X	0	X	31 3/16"	28 15/16"	3 3/4"	3/4"	6 9/16"	24 11/16"	9 1/8"	1 1/8"	3 13/16"	2 13/16"	1/2"	14 1/4"	14 1/2"	12 1/4"	162#	180#	32 3/8" X 35 1/2" X 32 9/16"		
25HBR336	2	X	0	X	35"	32 5/16"	3 3/4"	3/4"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 13/16"	1/2"	17"	16"	16"	181#	225#	36 1/8" X 39 5/16" X 35 15/16"		
25HBR342	2	X	0	X	35"	39 1/8"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 15/16"	5/8"	18 1/2"	18"	17 1/2"	203#	239#	36 1/8" X 39 5/16" X 42 3/4"		
25HBR348	2	X	0	X	35"	28 15/16"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 15/16"	5/8"	18 1/2"	18"	17 1/2"	229#	264#	36 1/8" X 39 5/16" X 32 9/16"		
25HBR360	1	X	0	X	35"	39 1/8"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 15/16"	5/8"	18 3/4"	20"	17"	295#	327#	36 1/8" X 39 5/16" X 42 3/4"		
	2	X	0	X	35"	35 3/4"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 15/16"	5/8"	17"	16"	14 3/4"	272#	292#	36 1/8" X 39 5/16" X 39 3/8"		
	3	X	0	X	35"	32 5/16"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 13/16"	5/8"	16"	13"	13 1/2"	271#	303#	36 1/8" X 39 5/16" X 35 15/16"		

X = YES
0 = NO

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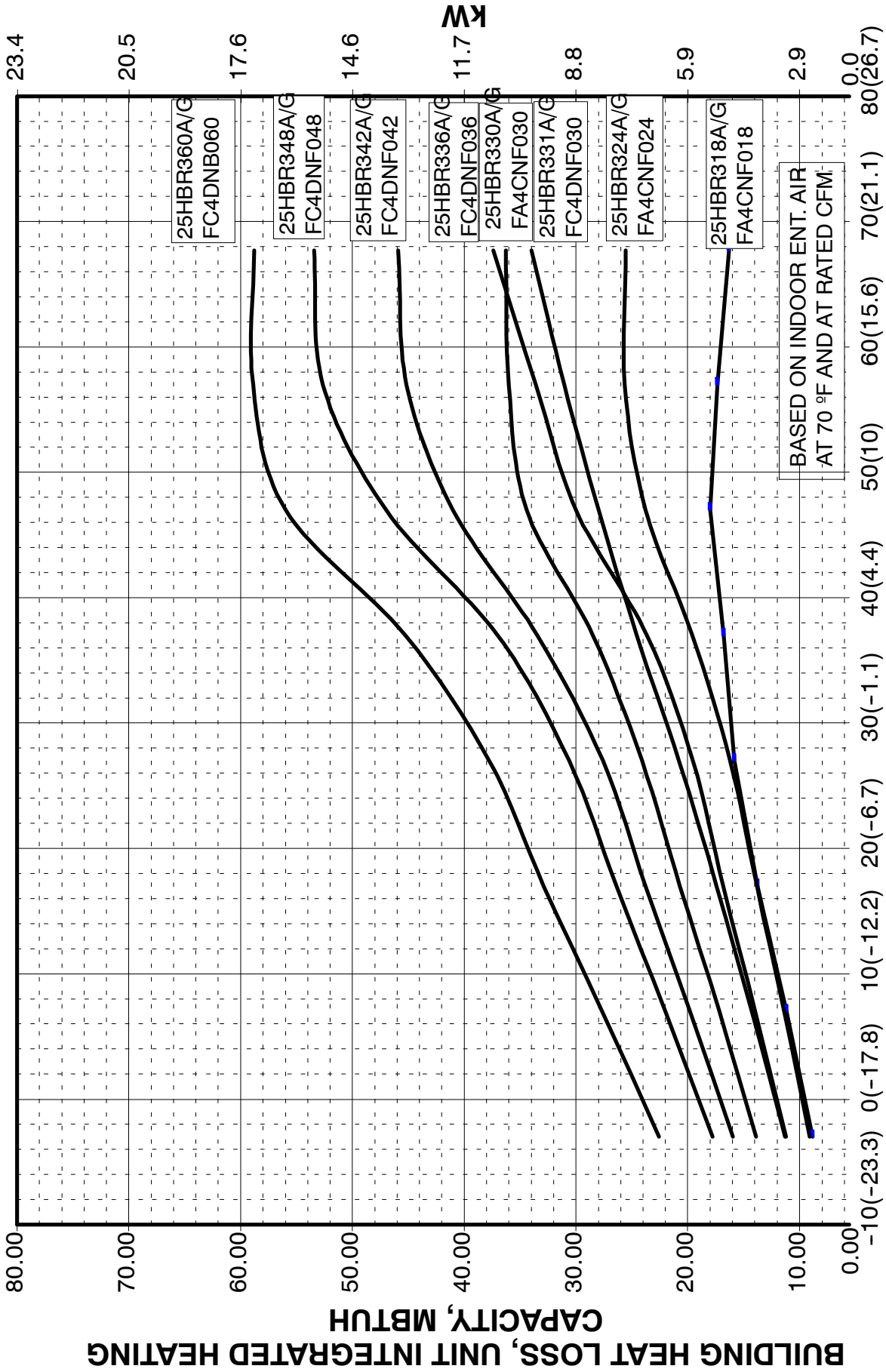
NOTES:

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 55°F, MAX. 125°F.
3. SERIES DESIGNATION IS THE 13TH POSITION OF THE UNIT MODEL NUMBER.
4. CENTER OF GRAVITY



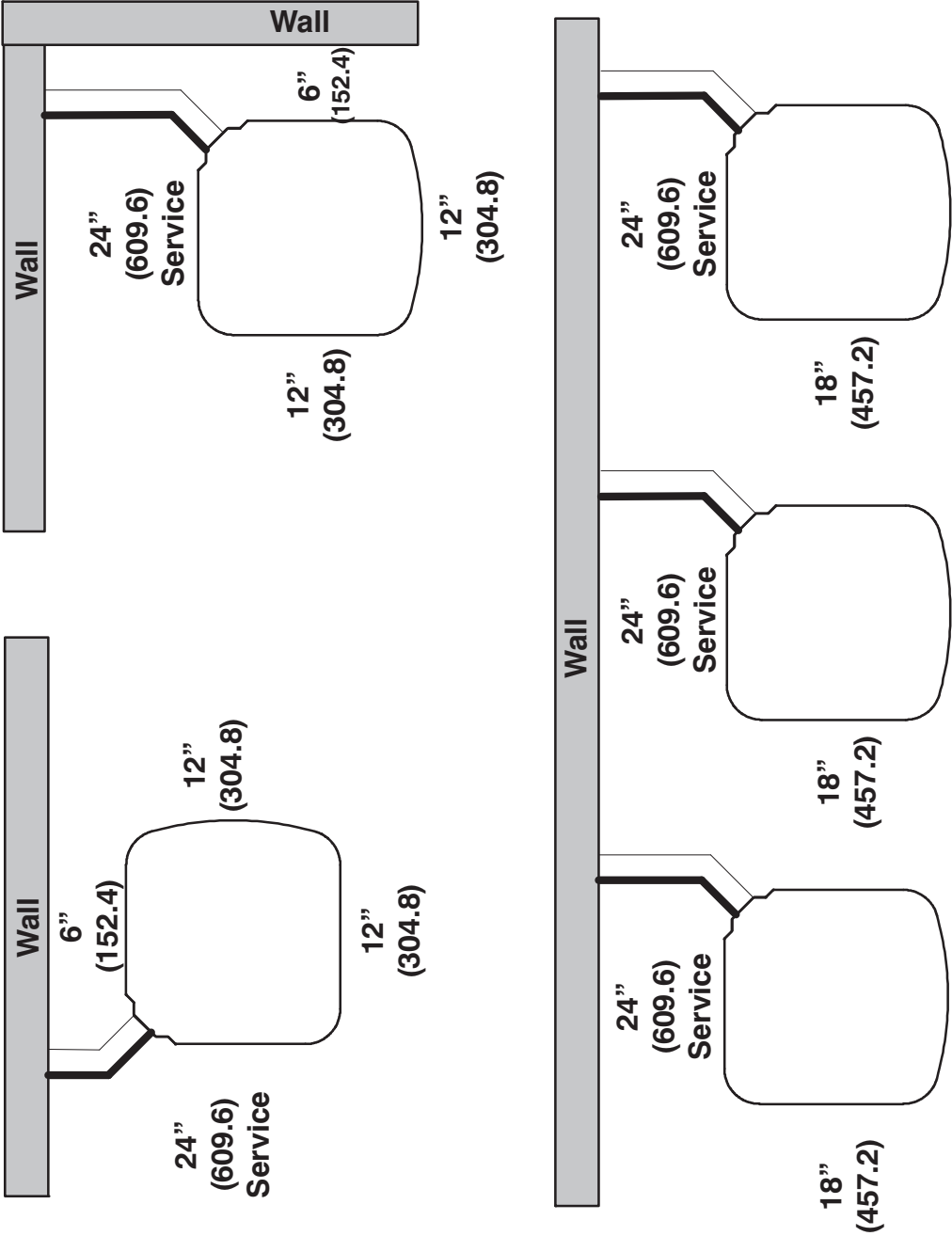
UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
-	26" X 26"
18, 24, 30, 31	31 1/2" X 31 1/2"
36, 42, 48, 60	35" X 35"

25HBR3 BALANCE POINT WORKSHEET



CLEARANCES

Clearances (various examples)



Note: Numbers in () = mm

COMBINATION RATINGS

Unit Size – voltage, Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									Furnace Model
			Cooling				Heating					
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF	
						E Capacity	E COP	H Capacity	H COP			
18–33	*FA4CN(FC)018	17,100	TDR&TXV	13.00		10.80	18,000	3.52	10,500	2.34	8.0	
	FA4CN(FC)024	17,200	TDR&TXV	13.00		10.80	16,000	3.30	10,500	2.34	7.9	
	FC4DNF018	17,500	TDR&TXV	14.00		11.70	17,500	3.80	10,100	2.52	8.5	
	FC4DNF024	17,600	TDR&TXV	14.00		12.00	15,400	3.60	10,000	2.56	8.5	
	FF1ENE018	17,100	TDR&TXV	13.00		10.80	18,000	3.54	10,500	2.36	8.0	
	FF1ENE024	17,300	TDR&TXV	13.00		10.80	15,600	3.32	10,500	2.38	8.0	
	FK4DNF001	17,500	TDR&TXV	14.00		12.00	14,600	3.48	9,900	2.54	8.4	
	FK4DNF002	17,700	TDR&TXV	14.00		12.50	14,600	3.58	9,900	2.58	8.6	
	CAR**1814A**	16,900	TDR&TXV	14.00		11.70	18,000	3.70	9,800	2.46	8.2	58CV(A,X)070–12
	CAR**1814A**	16,900	TXV		13.00	10.80	18,100	3.46	10,400	2.34	7.9	
	CAR**2414A**	17,300	TDR&TXV	14.00		12.00	15,600	3.70	9,900	2.50	8.4	58CV(A,X)070–12
	CAR**2414A**	17,400	TXV		13.00	10.80	15,700	3.34	10,500	2.40	8.1	
	CAR**2417A**	17,400	TDR&TXV	14.00		12.00	15,600	3.70	9,900	2.52	8.6	58CV(A,X)090–16
	CAR**2417A**	17,300	TDR&TXV	14.00		12.00	15,600	3.70	9,900	2.52	8.4	58MVB060–14
	CAR**2417A**	17,300	TDR&TXV	14.00		12.00	15,600	3.70	9,900	2.52	8.4	58UVB060–14
	CAR**2417A**	17,400	TXV		13.00	10.80	15,700	3.34	10,500	2.40	8.1	
	CNRV*1814A**	16,900	TDR&TXV	14.00		12.00	17,100	3.88	9,900	2.50	8.5	58CV(A,X)070–12
	CNRV*1814A**	16,900	TXV		13.00	10.80	17,200	3.52	10,500	2.40	8.1	
	CNRV*2414A**	17,300	TDR&TXV	14.00		12.00	15,600	3.84	9,900	2.52	8.5	58CV(A,X)070–12
	CNRV*2414A**	17,400	TXV		13.00	10.80	15,700	3.44	10,500	2.40	8.2	
	CNRV*2417A**	17,400	TDR&TXV	14.00		12.00	15,600	3.84	9,900	2.54	8.5	58CV(A,X)090–16
	CNRV*2417A**	17,300	TDR&TXV	14.00		12.00	15,600	3.84	9,900	2.52	8.5	58MVB060–14
	CNRV*2417A**	17,300	TDR&TXV	14.00		12.00	15,600	3.84	9,900	2.52	8.5	58UVB060–14
	CNRV*2417A**	17,400	TXV		13.00	10.80	15,700	3.44	10,500	2.40	8.2	
	CNRH*2417A**	17,400	TDR&TXV	14.00		12.00	15,600	3.84	9,900	2.52	8.5	58CV(A,X)070–12
	CNRH*2417A**	17,400	TDR&TXV	14.00		12.00	15,600	3.84	9,900	2.54	8.5	58CV(A,X)090–16
	CNRH*2417A**	17,300	TDR&TXV	14.00		12.00	15,600	3.84	9,900	2.52	8.5	58MVB040–14
	CNRH*2417A**	17,300	TDR&TXV	14.00		12.00	15,600	3.84	9,900	2.52	8.5	58MVB060–14
	CNRH*2417A**	17,400	TDR&TXV	14.00		12.00	15,600	3.82	9,900	2.52	8.5	58MVB080–14
	CNRH*2417A**	17,400	TXV		13.00	10.80	15,700	3.44	10,500	2.40	8.2	
	CNRF*2418A**	17,400	TXV		13.00	10.80	15,700	3.44	10,500	2.40	8.2	
CSRH*2412A**	17,300	TDR&TXV	14.00		12.00	14,800	3.62	9,900	2.52	8.5	58CV(A,X)070–12	
CSRH*2412A**	17,400	TDR&TXV	14.00		12.00	14,800	3.62	9,900	2.52	8.5	58CV(A,X)090–16	
CSRH*2412A**	17,300	TDR&TXV	14.00		12.00	14,800	3.62	9,900	2.52	8.5	58MVB040–14	
CSRH*2412A**	17,300	TDR&TXV	14.00		12.00	14,800	3.62	9,900	2.52	8.5	58MVB060–14	
CSRH*2412A**	17,400	TDR&TXV	14.00		12.00	14,800	3.60	9,900	2.52	8.5	58MVB080–14	
CSRH*2412A**	17,400	TXV		13.00	10.80	14,800	3.26	10,500	2.42	8.0		
24–31	*FA4CN(FC)024	22,600	TDR&TXV	13.00		10.80	23,800	3.52	14,400	2.36	7.9	
	FA4CN(FC)030	22,800	TDR&TXV	13.00		10.80	22,600	3.46	14,400	2.38	7.9	
	FC4DNF024	23,000	TDR&TXV	14.00		11.50	23,400	3.70	13,900	2.48	8.3	
	FC4DNF030	23,200	TDR&TXV	14.00		11.50	22,200	3.66	13,900	2.52	8.4	
	FF1ENE030	22,600	TDR&TXV	13.00		10.80	23,600	3.52	14,400	2.36	8.0	
	FK4DNF001	23,000	TDR&TXV	14.00		11.70	22,600	3.66	13,700	2.48	8.3	
	FK4DNF002	23,200	TDR&TXV	14.00		11.70	22,600	3.78	13,700	2.54	8.5	
	FK4DNF003	23,200	TDR&TXV	14.00		11.70	20,800	3.60	13,600	2.54	8.5	
	CAR**2414A**	22,800	TDR&TXV	14.00		11.50	23,800	3.72	13,700	2.46	8.3	58CV(A,X)070–12
	CAR**2414A**	22,800	TXV		13.00	10.80	23,800	3.56	14,400	2.38	8.1	
	CAR**2417A**	22,800	TDR&TXV	14.00		11.70	23,600	3.76	13,600	2.50	8.4	58CV(A,X)090–16
	CAR**2417A**	22,800	TDR&TXV	14.00		11.50	23,600	3.74	13,700	2.48	8.3	58MVB060–14
	CAR**2417A**	22,800	TDR&TXV	14.00		11.50	23,600	3.74	13,700	2.48	8.3	58UVB060–14
	CAR**2417A**	22,800	TXV		13.00	10.80	23,800	3.56	14,400	2.38	8.1	
	CAR**3014A**	22,800	TDR&TXV	14.00		11.50	22,000	3.58	13,700	2.48	8.2	58CV(A,X)070–12
	CAR**3014A**	22,800	TXV		13.00	10.80	20,800	3.30	14,500	2.38	7.8	
	CAR**3017A**	23,000	TDR&TXV	14.00		11.70	20,800	3.62	13,600	2.52	8.3	58CV(A,X)090–16
CAR**3017A**	22,800	TDR&TXV	14.00		11.70	20,800	3.60	13,700	2.50	8.3	58MVB060–14	
CAR**3017A**	22,800	TDR&TXV	14.00		11.70	20,800	3.60	13,700	2.50	8.3	58UVB060–14	
CAR**3017A**	22,800	TXV		13.00	10.80	20,800	3.30	14,500	2.38	7.8		
CNRV*2414A**	22,600	TDR&TXV	14.00		11.50	23,800	3.80	13,700	2.48	8.4	58CV(A,X)070–12	

See notes on pg. 18

25HBR3

COMBINATION RATINGS - CONTINUED

Unit Size – voltage, Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									
			Cooling				Heating					Furnace Model
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF	
E Capacity	E COP	H Capacity					H COP					
24–31	CNRV*2414A**	22,800	TXV		13.00	10.80	23,800	3.66	14,500	2.38	8.2	
	CNRV*2417A**	22,800	TDR&TXV	14.00		11.50	23,600	3.84	13,700	2.50	8.5	58CV(A,X)090–16
	CNRV*2417A**	22,800	TDR&TXV	14.00		11.50	23,600	3.82	13,700	2.48	8.4	58MVB060–14
	CNRV*2417A**	22,800	TDR&TXV	14.00		11.50	23,600	3.82	13,700	2.48	8.4	58UVB060–14
	CNRV*2417A**	22,800	TXV		13.00	10.80	23,800	3.66	14,500	2.38	8.2	
	CNRV*3014A**	22,800	TDR&TXV	14.00		11.50	20,600	3.58	13,700	2.48	8.2	58CV(A,X)070–12
	CNRV*3014A**	22,800	TXV		13.00	10.80	20,600	3.28	14,500	2.40	7.8	
	CNRV*3017A**	23,000	TDR&TXV	14.00		11.70	20,600	3.62	13,600	2.52	8.4	58CV(A,X)090–16
	CNRV*3017A**	22,800	TDR&TXV	14.00		11.70	20,600	3.60	13,700	2.50	8.3	58MVB060–14
	CNRV*3017A**	22,800	TDR&TXV	14.00		11.70	20,600	3.60	13,700	2.50	8.3	58UVB060–14
	CNRV*3017A**	22,800	TXV		13.00	10.80	20,600	3.28	14,500	2.40	7.8	
	CNRH*2417A**	22,600	TDR&TXV	14.00		11.50	23,600	3.80	13,700	2.48	8.4	58CV(A,X)070–12
	CNRH*2417A**	22,800	TDR&TXV	14.00		11.50	23,600	3.84	13,700	2.50	8.5	58CV(A,X)090–16
	CNRH*2417A**	22,800	TDR&TXV	14.00		11.50	23,600	3.82	13,800	2.48	8.4	58CV(A,X)110–20
	CNRH*2417A**	22,800	TDR&TXV	14.00		11.50	23,600	3.84	13,800	2.50	8.5	58CV(A,X)135–22
	CNRH*2417A**	22,800	TDR&TXV	14.00		11.50	23,600	3.84	13,700	2.50	8.5	58CV(A,X)155–22
	CNRH*2417A**	22,800	TDR&TXV	14.00		11.50	23,600	3.82	13,800	2.48	8.4	58MVB040–14
	CNRH*2417A**	22,800	TDR&TXV	14.00		11.50	23,600	3.82	13,700	2.48	8.4	58MVB060–14
	CNRH*2417A**	22,800	TDR&TXV	14.00		11.50	23,600	3.82	13,800	2.48	8.4	58MVB080–14
	CNRH*2417A**	22,800	TDR&TXV	14.00		11.50	23,600	3.82	13,800	2.48	8.4	58MVB080–20
	CNRH*2417A**	22,800	TDR&TXV	14.00		11.50	23,600	3.84	13,800	2.50	8.4	58MVB100–20
	CNRH*2417A**	22,600	TDR&TXV	14.00		11.50	23,600	3.80	13,700	2.48	8.4	58MVB120–20
	CNRH*2417A**	22,800	TXV		13.00	10.80	23,800	3.66	14,500	2.38	8.2	
	CNRH*3017A**	22,800	TDR&TXV	14.00		11.70	20,600	3.60	13,700	2.50	8.2	58CV(A,X)070–12
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.70	20,600	3.62	13,600	2.52	8.4	58CV(A,X)090–16
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.70	20,600	3.62	13,700	2.50	8.4	58CV(A,X)110–20
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.70	20,600	3.62	13,700	2.52	8.4	58CV(A,X)135–22
	CNRH*3017A**	23,000	TDR&TXV	14.00		11.70	20,600	3.62	13,700	2.52	8.4	58CV(A,X)155–22
	CNRH*3017A**	22,800	TDR&TXV	14.00		11.70	20,600	3.60	13,700	2.50	8.3	58MVB040–14
	CNRH*3017A**	22,800	TDR&TXV	14.00		11.70	20,600	3.60	13,700	2.50	8.3	58MVB060–14
	CNRH*3017A**	22,800	TDR&TXV	14.00		11.70	20,600	3.60	13,700	2.50	8.3	58MVB080–14
	CNRH*3017A**	22,800	TDR&TXV	14.00		11.70	20,600	3.60	13,700	2.50	8.3	58MVB080–20
	CNRH*3017A**	22,800	TDR&TXV	14.00		11.70	20,600	3.60	13,700	2.52	8.4	58MVB100–20
	CNRH*3017A**	22,800	TDR&TXV	14.00		11.70	20,600	3.60	13,700	2.50	8.2	58MVB120–20
	CNRH*3017A**	22,800	TXV		13.00	10.80	20,600	3.28	14,500	2.40	7.8	
	CNRF*2418A**	22,800	TXV		13.00	10.80	23,800	3.66	14,500	2.38	8.2	
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	23,000	3.74	13,800	2.48	8.4	58CV(A,X)070–12
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.70	23,000	3.76	13,700	2.50	8.4	58CV(A,X)090–16
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	23,000	3.74	13,800	2.48	8.4	58CV(A,X)110–20
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	23,000	3.76	13,800	2.50	8.4	58CV(A,X)135–22
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.70	23,000	3.76	13,800	2.50	8.4	58CV(A,X)155–22
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	23,000	3.74	13,800	2.48	8.4	58MVB040–14
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	23,000	3.74	13,800	2.48	8.4	58MVB060–14
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	23,000	3.74	13,800	2.48	8.4	58MVB080–14
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	23,000	3.74	13,800	2.48	8.4	58MVB080–20
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	23,000	3.76	13,800	2.50	8.4	58MVB100–20
	CSRH*2412A**	22,800	TDR&TXV	14.00		11.50	23,000	3.74	13,800	2.48	8.3	58MVB120–20
	CSRH*2412A**	22,800	TXV		13.00	10.80	23,000	3.56	14,500	2.40	8.2	
	CSRH*3012A**	22,800	TDR&TXV	14.00		11.70	20,200	3.58	13,700	2.48	8.3	58CV(A,X)070–12
	CSRH*3012A**	22,800	TDR&TXV	14.00		11.70	20,200	3.60	13,700	2.50	8.3	58CV(A,X)090–16
	CSRH*3012A**	22,800	TDR&TXV	14.00		11.70	20,200	3.58	13,700	2.50	8.3	58CV(A,X)110–20
	CSRH*3012A**	22,800	TDR&TXV	14.00		11.70	20,200	3.58	13,700	2.50	8.3	58CV(A,X)135–22
	CSRH*3012A**	22,800	TDR&TXV	14.00		11.70	20,200	3.58	13,700	2.50	8.3	58CV(A,X)155–22
	CSRH*3012A**	22,800	TDR&TXV	14.00		11.70	20,200	3.56	13,700	2.50	8.3	58MVB040–14
	CSRH*3012A**	22,800	TDR&TXV	14.00		11.70	20,200	3.58	13,700	2.50	8.3	58MVB060–14
	CSRH*3012A**	22,800	TDR&TXV	14.00		11.70	20,200	3.56	13,700	2.50	8.3	58MVB080–14
	CSRH*3012A**	22,800	TDR&TXV	14.00		11.70	20,200	3.58	13,700	2.50	8.3	58MVB080–20
	CSRH*3012A**	22,800	TDR&TXV	14.00		11.70	20,200	3.58	13,700	2.50	8.3	58MVB100–20
	CSRH*3012A**	22,800	TDR&TXV	14.00		11.70	20,200	3.58	13,700	2.48	8.3	58MVB120–20
	CSRH*3012A**	22,800	TXV		13.00	10.80	20,200	3.26	14,500	2.40	7.8	

See notes on pg. 18

COMBINATION RATINGS - CONTINUED

Unit Size – voltage, Serie	Indoor Model	Cooling Capacity	ARI Standard Ratings									Furnace Model	
			Cooling				Heating						
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF		
E Capacity	E COP	H Capacity					H COP						
30–31,51	*FA4CN(F,C)030	28,400	TDR&TXV	13.00		10.80	30,200	3.46	18,700	2.42	8.1		
	FC4DN(F,B)036	28,800	TDR&TXV	13.50		11.20	29,200	3.56	18,300	2.48	8.2		
	FC4DNF030	28,600	TDR&TXV	13.50		11.20	29,800	3.60	18,100	2.50	8.3		
	FF1ENE030	28,200	TDR&TXV	13.00		10.50	30,000	3.44	18,700	2.42	8.0		
	FF1ENE036	28,800	TDR&TXV	13.00		10.80	29,400	3.44	18,800	2.44	8.1		
	FK4DNF001	28,400	TDR&TXV	13.50		11.20	29,600	3.50	18,100	2.48	8.1		
	FK4DNF002	28,600	TDR&TXV	14.00		11.50	29,800	3.66	18,100	2.54	8.4		
	FK4DNF003	28,800	TDR&TXV	14.00		11.70	29,000	3.60	17,900	2.56	8.4		
	FK4DNF005	29,800	TDR&TXV	14.00		12.00	25,000	3.46	18,000	2.64	8.5		
	CAR**3014A**	28,400	TDR&TXV	13.50		11.20	29,200	3.52	18,100	2.50	8.2	58CV(A,X)070–12	
	CAR**3014A**	28,600	TXV		13.00	10.50	29,600	3.44	18,900	2.44	8.1		
	CAR**3017A**	28,400	TDR&TXV	14.00		11.50	29,200	3.54	17,900	2.52	8.2	58CV(A,X)090–16	
	CAR**3017A**	28,400	TDR&TXV	14.00		11.50	29,200	3.52	18,000	2.50	8.2	58MVB060–14	
	CAR**3017A**	28,400	TDR&TXV	14.00		11.50	29,200	3.52	18,000	2.50	8.2	58UVB060–14	
	CAR**3017A**	28,600	TXV		13.00	10.50	29,600	3.44	18,900	2.44	8.1		
	CAR**3614A**	28,400	TDR&TXV	14.00		11.50	29,200	3.54	18,100	2.50	8.2	58CV(A,X)070–12	
	CAR**3614A**	28,400	TXV		13.00	10.50	29,400	3.44	18,900	2.44	8.1		
	CAR**3617A**	28,600	TDR&TXV	14.00		11.50	29,000	3.58	17,900	2.52	8.3	58CV(A,X)090–16	
	CAR**3617A**	28,400	TDR&TXV	14.00		11.50	29,000	3.54	18,000	2.52	8.3	58MVB060–14	
	CAR**3617A**	28,400	TDR&TXV	14.00		11.50	29,000	3.54	18,000	2.52	8.3	58UVB060–14	
	CAR**3617A**	28,600	TXV		13.00	10.50	29,400	3.44	18,900	2.44	8.1		
	CAR**3621A**	28,600	TDR&TXV	14.00		11.50	29,000	3.60	18,000	2.54	8.3	58CV(A,X)110–20	
	CAR**3621A**	28,600	TDR&TXV	14.00		11.50	29,000	3.58	18,000	2.52	8.3	58MVB080–14	
	CAR**3621A**	28,600	TDR&TXV	14.00		11.50	29,000	3.56	18,000	2.52	8.3	58MVB080–20	
	CAR**3621A**	28,600	TDR&TXV	14.00		11.50	29,000	3.58	18,000	2.52	8.3	58MVB100–20	
	CAR**3621A**	28,600	TDR&TXV	14.00		11.50	29,000	3.58	18,000	2.52	8.3	58UVB080–14	
	CAR**3621A**	28,600	TDR&TXV	14.00		11.50	29,000	3.56	18,000	2.52	8.3	58UVB080–20	
	CAR**3621A**	28,600	TDR&TXV	14.00		11.50	29,000	3.58	18,000	2.52	8.3	58UVB100–20	
	CAR**3621A**	28,600	TXV		13.00	10.50	29,400	3.44	18,900	2.44	8.1		
	CNRH*3618A**	28,600	TXV		13.00	10.50	29,600	3.46	18,900	2.44	8.1		
	CNRH*3017A**	28,400	TDR&TXV	14.00		11.50	29,200	3.52	18,100	2.50	8.2	58CV(A,X)070–12	
	CNRH*3017A**	28,400	TDR&TXV	14.00		11.50	29,200	3.56	18,000	2.52	8.3	58CV(A,X)090–16	
	CNRH*3017A**	28,600	TDR&TXV	14.00		11.50	29,200	3.56	18,000	2.52	8.3	58CV(A,X)110–20	
	CNRH*3017A**	28,600	TDR&TXV	14.00		11.50	29,200	3.56	18,000	2.52	8.3	58CV(A,X)135–22	
	CNRH*3017A**	28,600	TDR&TXV	14.00		11.50	29,200	3.58	18,000	2.54	8.3	58CV(A,X)155–22	
	CNRH*3017A**	28,400	TDR&TXV	14.00		11.50	29,200	3.52	18,100	2.50	8.2	58MVB040–14	
	CNRH*3017A**	28,400	TDR&TXV	14.00		11.50	29,200	3.54	18,000	2.50	8.2	58MVB060–14	
	CNRH*3017A**	28,400	TDR&TXV	14.00		11.50	29,200	3.54	18,100	2.50	8.2	58MVB080–14	
	CNRH*3017A**	28,400	TDR&TXV	14.00		11.50	29,200	3.54	18,000	2.50	8.2	58MVB080–20	
	CNRH*3017A**	28,400	TDR&TXV	14.00		11.50	29,200	3.54	18,000	2.52	8.3	58MVB100–20	
	CNRH*3017A**	28,400	TDR&TXV	14.00		11.50	29,200	3.54	18,000	2.50	8.2	58MVB120–20	
	CNRH*3017A**	28,600	TXV		13.00	10.50	29,600	3.44	18,900	2.44	8.1		
	CNRH*3617A**	28,400	TDR&TXV	14.00		11.50	29,000	3.52	18,100	2.50	8.2	58CV(A,X)070–12	
	CNRH*3617A**	28,400	TDR&TXV	14.00		11.50	29,000	3.56	18,000	2.52	8.3	58CV(A,X)090–16	
	CNRH*3617A**	28,600	TDR&TXV	14.00		11.50	29,000	3.56	18,000	2.52	8.3	58CV(A,X)110–20	
	CNRH*3617A**	28,600	TDR&TXV	14.00		11.50	29,000	3.56	18,000	2.52	8.3	58CV(A,X)135–22	
	CNRH*3617A**	28,600	TDR&TXV	14.00		11.50	29,000	3.58	18,000	2.54	8.3	58CV(A,X)155–22	
CNRH*3617A**	28,400	TDR&TXV	14.00		11.50	29,000	3.52	18,100	2.50	8.2	58MVB040–14		
CNRH*3617A**	28,400	TDR&TXV	14.00		11.50	29,000	3.54	18,000	2.50	8.2	58MVB060–14		
CNRH*3617A**	28,400	TDR&TXV	14.00		11.50	29,000	3.54	18,100	2.50	8.2	58MVB080–14		
CNRH*3617A**	28,400	TDR&TXV	14.00		11.50	29,000	3.54	18,000	2.50	8.2	58MVB080–20		
CNRH*3617A**	28,400	TDR&TXV	14.00		11.50	29,000	3.54	18,000	2.52	8.3	58MVB100–20		
CNRH*3617A**	28,400	TDR&TXV	14.00		11.50	29,000	3.54	18,000	2.50	8.2	58MVB120–20		
CNRH*3617A**	28,600	TXV		13.00	10.50	29,400	3.44	18,900	2.44	8.1			
CNRV*3014A**	28,400	TDR&TXV	13.50		11.20	29,200	3.52	18,100	2.48	8.2	58CV(A,X)070–12		

See notes on pg. 18

COMBINATION RATINGS - CONTINUED

25HBR3

Unit Size – Voltage, Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									Furnace Model
			Cooling				Heating					
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF	
E Capacity	E COP	H Capacity					H COP					
30–31,51	CNRV*3014A**	28,600	TXV		13.00	10.50	29,600	3.44	18,900	2.44	8.1	
	CNRV*3017A**	28,400	TDR&TXV	14.00		11.50	29,200	3.56	18,000	2.52	8.3	58CV(A,X)090–16
	CNRV*3017A**	28,400	TDR&TXV	14.00		11.50	29,200	3.52	18,000	2.50	8.2	58MVB060–14
	CNRV*3017A**	28,400	TDR&TXV	14.00		11.50	29,200	3.52	18,000	2.50	8.2	58UVB060–14
	CNRV*3017A**	28,600	TXV		13.00	10.50	29,600	3.44	18,900	2.44	8.1	
	CNRV*3617A**	28,400	TDR&TXV	14.00		11.50	29,000	3.56	18,000	2.52	8.3	58CV(A,X)090–16
	CNRV*3617A**	28,400	TDR&TXV	14.00		11.50	29,000	3.52	18,000	2.50	8.2	58MVB060–14
	CNRV*3617A**	28,400	TDR&TXV	14.00		11.50	29,000	3.52	18,000	2.50	8.2	58UVB060–14
	CNRV*3617A**	28,600	TXV			10.50	29,400	3.46	18,900	2.44	8.1	
	CNRV*3621A**	28,600	TDR&TXV	14.00		11.50	29,000	3.56	18,000	2.52	8.3	58CV(A,X)110–20
	CNRV*3621A**	28,400	TDR&TXV	14.00		11.50	29,000	3.54	18,100	2.50	8.2	58MVB080–14
	CNRV*3621A**	28,400	TDR&TXV	14.00		11.50	29,000	3.54	18,000	2.50	8.2	58MVB080–20
	CNRV*3621A**	28,400	TDR&TXV	14.00		11.50	29,000	3.54	18,000	2.52	8.3	58MVB100–20
	CNRV*3621A**	28,400	TDR&TXV	14.00		11.50	29,000	3.54	18,100	2.50	8.2	58UVB080–14
	CNRV*3621A**	28,400	TDR&TXV	14.00		11.50	29,000	3.54	18,000	2.50	8.2	58UVB080–20
	CNRV*3621A**	28,400	TDR&TXV	14.00		11.50	29,000	3.54	18,000	2.52	8.3	58UVB100–20
	CNRV*3621A**	28,600	TXV		13.00	10.50	29,400	3.46	18,900	2.44	8.1	
	CSRH*3012A**	28,400	TDR&TXV	14.00		11.50	29,200	3.54	18,100	2.50	8.2	58CV(A,X)070–12
	CSRH*3012A**	28,400	TDR&TXV	14.00		11.50	29,200	3.56	18,000	2.52	8.3	58CV(A,X)090–16
	CSRH*3012A**	28,400	TDR&TXV	14.00		11.50	29,200	3.56	18,100	2.52	8.3	58CV(A,X)110–20
	CSRH*3012A**	28,600	TDR&TXV	14.00		11.50	29,200	3.58	18,000	2.52	8.3	58CV(A,X)135–22
	CSRH*3012A**	28,600	TDR&TXV	14.00		11.50	29,200	3.58	18,000	2.52	8.3	58CV(A,X)155–22
	CSRH*3012A**	28,400	TDR&TXV	14.00		11.50	29,200	3.54	18,100	2.50	8.2	58MVB040–14
	CSRH*3012A**	28,400	TDR&TXV	14.00		11.50	29,200	3.54	18,100	2.50	8.2	58MVB060–14
	CSRH*3012A**	28,400	TDR&TXV	14.00		11.50	29,200	3.54	18,100	2.50	8.2	58MVB080–14
	CSRH*3012A**	28,400	TDR&TXV	14.00		11.50	29,200	3.54	18,100	2.50	8.3	58MVB080–20
	CSRH*3012A**	28,400	TDR&TXV	14.00		11.50	29,200	3.56	18,100	2.52	8.3	58MVB100–20
	CSRH*3012A**	28,400	TDR&TXV	14.00		11.50	29,200	3.54	18,000	2.50	8.2	58MVB120–20
	CSRH*3012A**	28,800	TXV		13.00	10.50	29,600	3.46	18,900	2.44	8.1	
	CSRH*3612A**	28,600	TDR&TXV	14.00		11.50	28,800	3.62	18,100	2.54	8.4	58CV(A,X)070–12
	CSRH*3612A**	28,600	TDR&TXV	14.00		11.70	28,800	3.64	18,000	2.56	8.5	58CV(A,X)090–16
	CSRH*3612A**	28,600	TDR&TXV	14.00		11.70	28,600	3.66	18,100	2.56	8.5	58CV(A,X)110–20
	CSRH*3612A**	28,600	TDR&TXV	14.00		11.70	28,600	3.66	18,000	2.58	8.5	58CV(A,X)135–22
	CSRH*3612A**	28,600	TDR&TXV	14.00		11.70	28,600	3.66	18,000	2.58	8.5	58CV(A,X)155–22
	CSRH*3612A**	28,600	TDR&TXV	14.00		11.50	28,800	3.62	18,100	2.54	8.4	58MVB040–14
	CSRH*3612A**	28,600	TDR&TXV	14.00		11.70	28,800	3.62	18,100	2.54	8.4	58MVB060–14
	CSRH*3612A**	28,600	TDR&TXV	14.00		11.70	28,800	3.62	18,100	2.56	8.4	58MVB080–14
	CSRH*3612A**	28,600	TDR&TXV	14.00		11.70	28,800	3.62	18,100	2.56	8.4	58MVB080–20
	CSRH*3612A**	28,600	TDR&TXV	14.00		11.70	28,800	3.64	18,100	2.56	8.5	58MVB100–20
	CSRH*3612A**	28,600	TDR&TXV	14.00		11.70	28,800	3.64	18,000	2.56	8.4	58MVB120–20
	CSRH*3612A**	28,400	TXV		13.00	10.80	29,000	3.50	19,000	2.48	8.3	
31–30,50	*FC4DNF030	29,400	TDR&TXV	13.00		10.80	28,000	3.48	17,500	2.40	7.7	
	FC4DN(F,B)036	29,600	TDR&TXV	13.00		10.80	27,400	3.40	17,700	2.38	7.7	
	FK4DN(B,F)003	29,400	TDR&TXV	13.50		11.50	27,200	3.48	17,100	2.42	7.8	
	FK4DN(B,F)005	30,000	TDR&TXV	14.00		11.50	23,400	3.30	17,200	2.50	7.8	
	FK4DNF001	28,800	TDR&TXV	13.20		11.00	28,000	3.42	17,300	2.36	7.7	
	FK4DNF002	29,200	TDR&TXV	13.50		11.20	28,000	3.54	17,300	2.42	7.8	
	CAR**3014A**	28,800	TDR&TXV	13.20		11.00	27,600	3.40	17,300	2.36	7.7	58CV(A,X)070–12
	CAR**3017A**	29,000	TDR&TXV	13.50		11.20	27,600	3.44	17,200	2.40	7.7	58CV(A,X)090–16
	CAR**3017A**	28,800	TDR&TXV	13.20		11.00	27,600	3.42	17,200	2.38	7.7	58MVB060–14
	CAR**3017A**	28,800	TDR&TXV	13.20		11.00	27,600	3.42	17,200	2.38	7.7	58UVB060–14
	CAR**3614A**	29,000	TDR&TXV	13.20		11.00	27,400	3.42	17,300	2.38	7.7	58CV(A,X)070–12
	CAR**3617A**	29,000	TDR&TXV	13.50		11.20	27,400	3.44	17,200	2.40	7.7	58CV(A,X)090–16
	CAR**3617A**	29,000	TDR&TXV	13.20		11.00	27,400	3.42	17,200	2.38	7.7	58MVB060–14
	CAR**3617A**	29,000	TDR&TXV	13.20		11.00	27,400	3.42	17,200	2.38	7.7	58UVB060–14
	CAR**3621A**	29,200	TDR&TXV	13.50		11.20	27,400	3.46	17,200	2.42	7.7	58CV(A,X)110–20
	CAR**3621A**	29,000	TDR&TXV	13.50		11.20	27,400	3.44	17,200	2.40	7.7	58MVB080–14

See notes on pg. 18

COMBINATION RATINGS - CONTINUED

Unit Size – Voltage, Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									
			Cooling				Heating					Furnace Model
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF	
E Capacity	E COP	H Capacity					H COP					
31–30,50	CAR**3621A**	29,000	TDR&TXV	13.50		11.20	27,400	3.44	17,200	2.40	7.7	58MVB080–20
	CAR**3621A**	29,200	TDR&TXV	13.50		11.20	27,400	3.44	17,200	2.40	7.7	58MVB100–20
	CAR**3621A**	29,000	TDR&TXV	13.50		11.20	27,400	3.44	17,200	2.40	7.7	58UVB080–14
	CAR**3621A**	29,000	TDR&TXV	13.50		11.20	27,400	3.44	17,200	2.40	7.7	58UVB080–20
	CAR**3621A**	29,200	TDR&TXV	13.50		11.20	27,400	3.44	17,200	2.40	7.7	58UVB100–20
	CNRH*3017A**	29,000	TDR&TXV	13.20		11.00	27,600	3.42	17,300	2.38	7.7	58CV(A,X)070–12
	CNRH*3017A**	29,000	TDR&TXV	13.50		11.20	27,600	3.44	17,200	2.40	7.7	58CV(A,X)090–16
	CNRH*3017A**	29,000	TDR&TXV	13.20		11.00	27,600	3.44	17,200	2.40	7.7	58CV(A,X)110–20
	CNRH*3017A**	29,000	TDR&TXV	13.50		11.20	27,600	3.46	17,200	2.40	7.7	58CV(A,X)135–22
	CNRH*3017A**	29,000	TDR&TXV	13.50		11.20	27,400	3.46	17,200	2.40	7.7	58CV(A,X)155–22
	CNRH*3017A**	28,800	TDR&TXV	13.20		11.00	27,600	3.40	17,300	2.38	7.7	58MVB040–14
	CNRH*3017A**	28,800	TDR&TXV	13.20		11.00	27,600	3.42	17,200	2.38	7.7	58MVB060–14
	CNRH*3017A**	29,000	TDR&TXV	13.20		11.00	27,600	3.42	17,300	2.38	7.7	58MVB080–14
	CNRH*3017A**	29,000	TDR&TXV	13.20		11.00	27,600	3.42	17,300	2.38	7.7	58MVB080–20
	CNRH*3017A**	29,000	TDR&TXV	13.20		11.00	27,600	3.44	17,200	2.38	7.7	58MVB100–20
	CNRH*3017A**	29,000	TDR&TXV	13.20		11.00	27,600	3.42	17,200	2.38	7.7	58MVB120–20
	CNRH*3617A**	29,000	TDR&TXV	13.20		11.00	27,600	3.42	17,300	2.38	7.7	58CV(A,X)070–12
	CNRH*3617A**	29,000	TDR&TXV	13.50		11.20	27,600	3.44	17,200	2.40	7.7	58CV(A,X)090–16
	CNRH*3617A**	29,000	TDR&TXV	13.20		11.00	27,600	3.44	17,200	2.40	7.7	58CV(A,X)110–20
	CNRH*3617A**	29,000	TDR&TXV	13.50		11.20	27,600	3.46	17,200	2.40	7.7	58CV(A,X)135–22
	CNRH*3617A**	29,000	TDR&TXV	13.50		11.20	27,400	3.46	17,200	2.40	7.7	58CV(A,X)155–22
	CNRH*3617A**	28,800	TDR&TXV	13.20		11.00	27,600	3.40	17,300	2.38	7.7	58MVB040–14
	CNRH*3617A**	28,800	TDR&TXV	13.20		11.00	27,600	3.42	17,200	2.38	7.7	58MVB060–14
	CNRH*3617A**	29,000	TDR&TXV	13.20		11.00	27,600	3.42	17,300	2.38	7.7	58MVB080–14
	CNRH*3617A**	29,000	TDR&TXV	13.20		11.00	27,600	3.42	17,300	2.38	7.7	58MVB080–20
	CNRH*3617A**	29,000	TDR&TXV	13.20		11.00	27,600	3.44	17,200	2.38	7.7	58MVB100–20
	CNRH*3617A**	29,000	TDR&TXV	13.20		11.00	27,600	3.42	17,200	2.38	7.7	58MVB120–20
	CNRV*3017A**	29,000	TDR&TXV	13.50		11.20	27,600	3.44	17,200	2.40	7.7	58CV(A,X)090–16
	CNRV*3017A**	28,800	TDR&TXV	13.20		11.00	27,600	3.42	17,200	2.38	7.7	58MVB060–14
	CNRV*3017A**	28,800	TDR&TXV	13.20		11.00	27,600	3.42	17,200	2.38	7.7	58UVB060–14
	CNRV*3617A**	29,000	TDR&TXV	13.50		11.20	27,600	3.44	17,200	2.40	7.7	58CV(A,X)090–16
	CNRV*3617A**	28,800	TDR&TXV	13.20		11.00	27,600	3.42	17,200	2.38	7.7	58MVB060–14
	CNRV*3617A**	28,800	TDR&TXV	13.20		11.00	27,600	3.42	17,200	2.38	7.7	58UVB060–14
	CNRV*3621A**	29,000	TDR&TXV	13.20		11.00	27,600	3.44	17,200	2.40	7.7	58CV(A,X)110–20
	CNRV*3621A**	29,000	TDR&TXV	13.20		11.00	27,600	3.42	17,300	2.38	7.7	58MVB080–14
	CNRV*3621A**	29,000	TDR&TXV	13.20		11.00	27,600	3.42	17,300	2.38	7.7	58MVB080–20
	CNRV*3621A**	29,000	TDR&TXV	13.20		11.00	27,600	3.44	17,200	2.40	7.7	58MVB100–20
	CNRV*3621A**	29,000	TDR&TXV	13.20		11.00	27,600	3.42	17,300	2.38	7.7	58UVB080–14
	CNRV*3621A**	29,000	TDR&TXV	13.20		11.00	27,600	3.42	17,300	2.38	7.7	58UVB080–20
	CNRV*3621A**	29,000	TDR&TXV	13.20		11.00	27,600	3.44	17,200	2.40	7.7	58UVB100–20
	CSRH*3012A**	29,000	TDR&TXV	13.20		11.00	27,600	3.40	17,300	2.38	7.7	58CV(A,X)070–12
	CSRH*3012A**	29,200	TDR&TXV	13.50		11.20	27,400	3.44	17,200	2.40	7.7	58CV(A,X)090–16
	CSRH*3012A**	29,200	TDR&TXV	13.20		11.00	27,400	3.44	17,300	2.40	7.7	58CV(A,X)110–20
	CSRH*3012A**	29,200	TDR&TXV	13.50		11.20	27,400	3.44	17,200	2.40	7.7	58CV(A,X)135–22
	CSRH*3012A**	29,200	TDR&TXV	13.50		11.20	27,400	3.44	17,200	2.40	7.7	58CV(A,X)155–22
	CSRH*3012A**	29,000	TDR&TXV	13.20		11.00	27,600	3.40	17,300	2.38	7.7	58MVB040–14
	CSRH*3012A**	29,000	TDR&TXV	13.20		11.00	27,600	3.40	17,300	2.38	7.7	58MVB060–14
	CSRH*3012A**	29,200	TDR&TXV	13.20		11.00	27,600	3.40	17,300	2.38	7.7	58MVB080–14
	CSRH*3012A**	29,200	TDR&TXV	13.20		11.00	27,400	3.42	17,300	2.38	7.7	58MVB080–20
	CSRH*3012A**	29,200	TDR&TXV	13.20		11.00	27,400	3.42	17,300	2.38	7.7	58MVB100–20
	CSRH*3012A**	29,000	TDR&TXV	13.20		11.00	27,400	3.42	17,200	2.38	7.7	58MVB120–20
	CSRH*3612A**	29,600	TDR&TXV	13.50		11.50	27,000	3.46	17,300	2.42	7.8	58CV(A,X)070–12
	CSRH*3612A**	29,800	TDR&TXV	13.50		11.50	26,800	3.48	17,200	2.44	7.8	58CV(A,X)090–16
	CSRH*3612A**	29,800	TDR&TXV	13.50		11.50	26,800	3.48	17,300	2.44	7.8	58CV(A,X)110–20
	CSRH*3612A**	29,800	TDR&TXV	13.50		11.50	26,800	3.50	17,200	2.44	7.9	58CV(A,X)135–22
	CSRH*3612A**	29,800	TDR&TXV	13.50		11.50	26,800	3.50	17,200	2.44	7.9	58CV(A,X)155–22
	CSRH*3612A**	29,600	TDR&TXV	13.50		11.50	27,000	3.46	17,300	2.42	7.8	58MVB040–14
	CSRH*3612A**	29,600	TDR&TXV	13.50		11.50	27,000	3.46	17,300	2.42	7.8	58MVB060–14
	CSRH*3612A**	29,800	TDR&TXV	13.50		11.50	27,000	3.46	17,300	2.42	7.8	58MVB080–14
	CSRH*3612A**	29,600	TDR&TXV	13.50		11.50	27,000	3.46	17,300	2.42	7.8	58MVB080–20
	CSRH*3612A**	29,800	TDR&TXV	13.50		11.50	27,000	3.48	17,300	2.42	7.8	58MVB100–20
	CSRH*3612A**	29,600	TDR&TXV	13.50		11.50	27,000	3.46	17,200	2.42	7.8	58MVB120–20
*FC4DN(F,B)036	34,600	TDR&TXV	13.00		11.00	34,400	3.46	20,600	2.44	8.0		
FA4CN(F,C)036	34,000	TDR&TXV	11.50		10.00	34,600	3.30	21,200	2.32	7.5		
FA4CN(F,C)042	34,400	TDR&TXV	12.00		10.00	30,400	3.16	21,200	2.36	7.5		
FC4DN(F,B)042	35,400	TDR&TXV	13.00		11.00	30,400	3.28	20,800	2.46	7.9		
FK4DN(B,F)003	34,400	TDR&TXV	13.50		11.20	34,600	3.52	20,000	2.46	8.0		

See notes on pg. 18

COMBINATION RATINGS - CONTINUED

Unit Size – Voltage, Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									
			Cooling				Heating					Furnace Model
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF	
							E Capacity	E COP	H Capacity	H COP		
25HBR3 36–32, 52, 62	FK4DNF002	34,000	TDR&TXV	13.00		10.80	36,000	3.60	20,400	2.42	8.0	
	CAR**3617A**	34,000	TDR&TXV	13.20		11.00	35,000	3.50	20,200	2.42	8.0	58CV(A,X)090–16
	CAR**3617A**	34,000	TDR&TXV	13.00		10.80	35,000	3.48	20,200	2.42	7.9	58MVB060–14
	CAR**3617A**	34,000	TDR&TXV	13.00		10.80	35,000	3.48	20,200	2.42	7.9	58UVB060–14
	CAR**3621A**	34,200	TDR&TXV	13.20		11.00	34,800	3.50	20,200	2.44	8.0	58CV(A,X)110–20
	CAR**3621A**	34,000	TDR&TXV	13.20		11.00	35,000	3.50	20,200	2.42	8.0	58MVB100–20
	CAR**3621A**	34,000	TDR&TXV	13.20		11.00	35,000	3.50	20,200	2.42	8.0	58UVB100–20
	CAR**4221A**	34,400	TDR&TXV	13.20		11.00	34,200	3.52	20,200	2.46	8.0	58CV(A,X)110–20
	CAR**4221A**	34,200	TDR&TXV	13.00		10.80	34,600	3.48	20,400	2.42	8.0	58MVB080–14
	CAR**4221A**	34,200	TDR&TXV	13.20		11.00	34,400	3.50	20,200	2.44	8.0	58MVB080–20
	CAR**4221A**	34,400	TDR&TXV	13.20		11.00	34,400	3.52	20,200	2.44	8.0	58MVB100–20
	CAR**4221A**	34,200	TDR&TXV	13.00		10.80	34,600	3.48	20,400	2.42	8.0	58UVB080–14
	CAR**4221A**	34,200	TDR&TXV	13.20		11.00	34,400	3.50	20,200	2.44	8.0	58UVB080–20
	CAR**4221A**	34,400	TDR&TXV	13.20		11.00	34,400	3.52	20,200	2.44	8.0	58UVB100–20
	CAR**4224A**	34,400	TDR&TXV	13.50		11.20	34,200	3.54	20,200	2.46	8.1	58CV(A,X)135–22
	CAR**4224A**	34,600	TDR&TXV	13.50		11.20	34,200	3.56	20,000	2.48	8.1	58CV(A,X)155–22
	CAR**4224A**	34,200	TDR&TXV	13.00		10.80	34,600	3.48	20,200	2.42	8.0	58MVB040–14
	CAR**4224A**	34,400	TDR&TXV	13.20		11.00	34,400	3.52	20,200	2.44	8.0	58MVB120–20
	CAR**4224A**	34,400	TDR&TXV	13.20		11.00	34,400	3.52	20,200	2.44	8.0	58UVB120–20
	CNRH*3617A**	34,000	TDR&TXV	13.00		10.80	35,200	3.48	20,200	2.42	7.9	58CV(A,X)090–16
42–32, 52, 62	*FC4DN(F,B)042	41,000	TDR&TXV	13.00		10.80	41,000	3.50	24,600	2.44	8.0	
	FC4DN(F,B)048	42,000	TDR&TXV	13.50		11.20	38,500	3.52	24,400	2.50	8.2	
	FK4DN(B,F)003	39,500	TDR&TXV	13.20		11.00	42,000	3.44	24,000	2.40	7.8	
	FK4DN(B,F)005	41,500	TDR&TXV	13.50		11.20	37,200	3.40	24,000	2.50	8.2	
	CAR**4221A**	39,500	TDR&TXV	13.20		11.00	42,000	3.48	24,200	2.40	8.0	58CV(A,X)110–20
	CAR**4221A**	39,500	TDR&TXV	13.00		10.80	42,000	3.44	24,200	2.38	7.8	58MVB080–20
	CAR**4221A**	39,500	TDR&TXV	13.00		10.80	42,000	3.44	24,200	2.38	7.8	58MVB080–20
	CAR**4221A**	39,500	TDR&TXV	13.00		10.80	42,000	3.46	24,200	2.40	8.0	58UVB100–20
	CAR**4221A**	39,500	TDR&TXV	13.00		10.80	42,000	3.46	24,200	2.40	8.0	58UVB100–20
	CAR**4224A**	39,500	TDR&TXV	13.20		11.00	41,500	3.50	24,000	2.44	8.0	58CV(A,X)135–22
	CAR**4224A**	39,500	TDR&TXV	13.50		11.20	41,500	3.50	24,000	2.44	8.0	58CV(A,X)155–22
	CAR**4224A**	39,500	TDR&TXV	13.00		10.80	42,000	3.42	24,200	2.38	7.8	58MVB040–14
	CAR**4224A**	39,500	TDR&TXV	13.20		11.00	42,000	3.46	24,000	2.40	8.0	58MVB120–20
	CAR**4224A**	39,500	TDR&TXV	13.20		11.00	42,000	3.46	24,000	2.40	8.0	58UVB120–20
	CAR**4817A**	40,500	TDR&TXV	13.20		11.00	39,000	3.46	24,200	2.44	8.1	58CV(A,X)090–16
	CAR**4817A**	40,500	TDR&TXV	13.20		11.00	39,500	3.44	24,400	2.42	8.0	58MVB060–14
	CAR**4817A**	40,500	TDR&TXV	13.20		11.00	39,500	3.44	24,400	2.42	8.0	58UVB060–14
	CAR**4821A**	40,500	TDR&TXV	13.20		11.00	40,000	3.50	24,200	2.44	8.1	58CV(A,X)110–20
	CAR**4821A**	40,000	TDR&TXV	13.00		10.80	40,500	3.44	24,400	2.40	8.0	58MVB080–14
	CAR**4821A**	40,000	TDR&TXV	13.20		11.00	40,000	3.46	24,400	2.42	8.0	58MVB080–20
	CAR**4821A**	40,000	TDR&TXV	13.20		11.00	40,000	3.48	24,200	2.44	8.0	58MVB100–20
	CAR**4821A**	40,000	TDR&TXV	13.00		10.80	40,500	3.44	24,400	2.40	8.0	58UVB080–14
	CAR**4821A**	40,000	TDR&TXV	13.20		11.00	40,000	3.46	24,400	2.42	8.0	58MVB080–20
	CAR**4821A**	40,000	TDR&TXV	13.20		11.00	40,000	3.48	24,200	2.44	8.0	58UVB100–20
	CAR**4824A**	40,500	TDR&TXV	13.50		11.20	40,000	3.52	24,000	2.46	8.2	58CV(A,X)135–22
	CAR**4824A**	40,500	TDR&TXV	13.50		11.20	40,000	3.52	24,000	2.46	8.2	58CV(A,X)155–22
	CAR**4824A**	40,000	TDR&TXV	13.00		10.80	40,500	3.44	24,400	2.40	8.0	58MVB040–14
	CAR**4824A**	40,000	TDR&TXV	13.20		11.00	40,000	3.48	24,200	2.44	8.0	58MVB120–20
	CAR**4824A**	40,000	TDR&TXV	13.20		11.00	40,000	3.48	24,200	2.44	8.0	58UVB120–20
	CNRH*4221A**	39,500	TDR&TXV	13.00		10.80	42,000	3.44	24,200	2.40	7.9	58CV(A,X)070–12
	CNRH*4221A**	39,500	TDR&TXV	13.20		11.00	41,500	3.50	24,000	2.42	8.0	58CV(A,X)090–16
	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	41,500	3.54	24,000	2.44	8.0	58CV(A,X)110–20
	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	41,500	3.56	23,800	2.46	8.0	58CV(A,X)135–22

See notes on pg. 18

COMBINATION RATINGS - CONTINUED

Unit Size – Voltage, Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									
			Cooling				Heating					Furnace Model
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF	
E Capacity	E COP	H Capacity					H COP					
42 – 32, 52, 62	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	41,500	3.56	23,800	2.46	8.0	58CV(A,X)155 – 22
	CNRH*4221A**	39,500	TDR&TXV	13.00		10.80	42,000	3.46	24,200	2.40	8.0	58MVB040 – 14
	CNRH*4221A**	39,500	TDR&TXV	13.20		11.00	42,000	3.48	24,000	2.42	8.0	58MVB060 – 14
	CNRH*4221A**	39,500	TDR&TXV	13.00		10.80	42,000	3.44	24,200	2.40	7.8	58MVB080 – 14
	CNRH*4221A**	39,500	TDR&TXV	13.20		11.00	42,000	3.48	24,200	2.40	8.0	58MVB080 – 20
	CNRH*4221A**	39,500	TDR&TXV	13.20		11.00	42,000	3.50	24,000	2.42	8.0	58MVB100 – 20
	CNRH*4221A**	39,500	TDR&TXV	13.20		11.00	41,500	3.50	24,000	2.42	8.0	58MVB120 – 20
	CNRH*4821A**	40,000	TDR&TXV	13.00		10.80	41,500	3.48	24,400	2.40	8.0	58CV(A,X)070 – 12
	CNRH*4821A**	40,500	TDR&TXV	13.50		11.20	41,000	3.54	24,200	2.44	8.1	58CV(A,X)090 – 16
	CNRH*4821A**	40,500	TDR&TXV	13.50		11.20	41,000	3.56	24,200	2.46	8.2	58CV(A,X)110 – 20
	CNRH*4821A**	40,500	TDR&TXV	13.50		11.20	41,000	3.58	24,000	2.48	8.2	58CV(A,X)135 – 22
	CNRH*4821A**	40,500	TDR&TXV	13.50		11.20	41,000	3.58	24,000	2.48	8.2	58CV(A,X)155 – 22
	CNRH*4821A**	40,000	TDR&TXV	13.00		10.80	41,500	3.50	24,400	2.42	8.0	58MVB040 – 14
	CNRH*4821A**	40,500	TDR&TXV	13.20		11.00	41,000	3.52	24,200	2.42	8.0	58MVB060 – 14
	CNRH*4821A**	40,000	TDR&TXV	13.00		10.80	41,500	3.48	24,400	2.40	8.0	58MVB080 – 14
	CNRH*4821A**	40,500	TDR&TXV	13.20		11.00	41,000	3.50	24,400	2.42	8.0	58MVB080 – 20
	CNRH*4821A**	40,500	TDR&TXV	13.20		11.00	41,000	3.54	24,200	2.44	8.1	58MVB100 – 20
	CNRH*4821A**	40,500	TDR&TXV	13.20		11.00	41,000	3.54	24,200	2.44	8.1	58MVB120 – 20
	CNRV*4221A**	40,000	TDR&TXV	13.50		11.20	41,500	3.54	24,000	2.44	8.0	58CV(A,X)110 – 20
	CNRV*4221A**	39,500	TDR&TXV	13.00		10.80	42,000	3.44	24,200	2.40	7.8	58MVB080 – 14
	CNRV*4221A**	39,500	TDR&TXV	13.20		11.00	42,000	3.48	24,200	2.40	8.0	58MVB080 – 20
	CNRV*4221A**	39,500	TDR&TXV	13.20		11.00	42,000	3.50	24,000	2.42	8.0	58MVB100 – 20
	CNRV*4221A**	39,500	TDR&TXV	13.00		10.80	42,000	3.44	24,200	2.40	7.8	58UVB080 – 14
	CNRV*4221A**	39,500	TDR&TXV	13.20		11.00	42,000	3.48	24,200	2.40	8.0	58UVB080 – 20
	CNRV*4221A**	39,500	TDR&TXV	13.20		11.00	42,000	3.50	24,000	2.42	8.0	58UVB100 – 20
	CNRV*4821A**	40,500	TDR&TXV	13.50		11.20	41,000	3.56	24,200	2.46	8.2	58CV(A,X)110 – 20
	CNRV*4821A**	40,000	TDR&TXV	13.00		10.80	41,500	3.48	24,400	2.40	8.0	58MVB080 – 14
	CNRV*4821A**	40,500	TDR&TXV	13.20		11.00	41,000	3.50	24,400	2.42	8.0	58MVB080 – 20
	CNRV*4821A**	40,500	TDR&TXV	13.20		11.00	41,000	3.54	24,200	2.44	8.0	58MVB100 – 20
	CNRV*4821A**	40,000	TDR&TXV	13.00		10.80	41,500	3.48	24,400	2.40	8.0	58UVB080 – 14
	CNRV*4821A**	40,500	TDR&TXV	13.20		11.00	41,000	3.50	24,400	2.42	8.0	58UVB080 – 20
	CNRV*4821A**	40,500	TDR&TXV	13.20		11.00	41,000	3.54	24,200	2.44	8.0	58UVB100 – 20
	CNRV*4824A**	40,500	TDR&TXV	13.50		11.20	41,000	3.58	24,000	2.48	8.2	58CV(A,X)135 – 22
	CNRV*4824A**	40,500	TDR&TXV	13.50		11.20	41,000	3.58	24,000	2.48	8.2	58CV(A,X)155 – 22
	CNRV*4824A**	40,000	TDR&TXV	13.00		10.80	41,500	3.50	24,400	2.42	8.0	58MVB040 – 14
	CNRV*4824A**	40,500	TDR&TXV	13.20		11.00	41,000	3.54	24,200	2.44	8.1	58MVB120 – 20
	CNRV*4824A**	40,500	TDR&TXV	13.20		11.00	41,000	3.54	24,200	2.44	8.1	58UVB120 – 20
	CSRH*4212A**	40,500	TDR&TXV	13.00		10.80	41,500	3.48	24,400	2.40	8.0	58CV(A,X)070 – 12
	CSRH*4212A**	40,500	TDR&TXV	13.20		11.00	41,000	3.54	24,200	2.44	8.1	58CV(A,X)090 – 16
	CSRH*4212A**	40,500	TDR&TXV	13.20		11.00	41,000	3.54	24,200	2.44	8.2	58CV(A,X)110 – 20
	CSRH*4212A**	40,500	TDR&TXV	13.50		11.20	41,000	3.58	24,200	2.46	8.2	58CV(A,X)135 – 22
	CSRH*4212A**	40,500	TDR&TXV	13.50		11.20	41,000	3.58	24,000	2.46	8.2	58CV(A,X)155 – 22
	CSRH*4212A**	40,000	TDR&TXV	13.00		10.80	41,500	3.48	24,400	2.40	8.0	58MVB040 – 14
	CSRH*4212A**	40,500	TDR&TXV	13.20		11.00	41,000	3.52	24,400	2.42	8.0	58MVB060 – 14
	CSRH*4212A**	40,000	TDR&TXV	13.00		10.80	41,500	3.48	24,400	2.40	8.0	58MVB080 – 14
	CSRH*4212A**	40,500	TDR&TXV	13.20		11.00	41,000	3.50	24,400	2.42	8.0	58MVB080 – 20
	CSRH*4212A**	40,500	TDR&TXV	13.20		11.00	41,000	3.52	24,400	2.42	8.0	58MVB100 – 20
	CSRH*4212A**	40,500	TDR&TXV	13.20		11.00	41,000	3.52	24,200	2.44	8.0	58MVB120 – 20
	CSRH*4812A**	40,500	TDR&TXV	13.00		10.80	41,000	3.48	24,400	2.40	8.0	58CV(A,X)070 – 12
	CSRH*4812A**	40,500	TDR&TXV	13.50		11.20	41,000	3.54	24,200	2.44	8.2	58CV(A,X)090 – 16
	CSRH*4812A**	41,000	TDR&TXV	13.50		11.20	40,500	3.54	24,200	2.44	8.2	58CV(A,X)110 – 20
	CSRH*4812A**	41,000	TDR&TXV	13.50		11.20	40,500	3.58	24,200	2.48	8.2	58CV(A,X)135 – 22
	CSRH*4812A**	41,000	TDR&TXV	13.50		11.20	40,500	3.58	24,200	2.48	8.2	58CV(A,X)155 – 22
CSRH*4812A**	40,500	TDR&TXV	13.00		10.80	41,000	3.48	24,400	2.40	8.0	58MVB040 – 14	
CSRH*4812A**	40,500	TDR&TXV	13.20		11.00	41,000	3.52	24,400	2.42	8.0	58MVB060 – 14	
CSRH*4812A**	40,500	TDR&TXV	13.00		10.80	41,000	3.48	24,400	2.40	8.0	58MVB080 – 14	
CSRH*4812A**	40,500	TDR&TXV	13.20		11.00	41,000	3.50	24,400	2.42	8.0	58MVB080 – 20	
CSRH*4812A**	40,500	TDR&TXV	13.20		11.00	41,000	3.50	24,400	2.42	8.0	58MVB080 – 20	
CSRH*4812A**	40,500	TDR&TXV	13.20		11.00	41,000	3.52	24,400	2.42	8.0	58MVB100 – 20	
CSRH*4812A**	40,500	TDR&TXV	13.20		11.00	41,000	3.52	24,200	2.44	8.1	58MVB120 – 20	

See notes on pg. 18

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See notes on pg. 18

COMBINATION RATINGS - CONTINUED

Unit Size – Voltage, Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									
			Cooling				Heating					Furnace Model
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF	
E Capacity	E COP	H Capacity					H COP					
48–32, 52,62	CSRH*6012A**	46,500	TDR&TXV	13.50		11.20	46,000	3.50	29,600	2.56	7.8	58CV(A,X)110–20
	CSRH*6012A**	46,500	TDR&TXV	13.50		11.20	46,000	3.52	29,400	2.58	8.0	58CV(A,X)135–22
	CSRH*6012A**	47,000	TDR&TXV	13.50		11.50	46,000	3.54	29,400	2.60	8.0	58CV(A,X)155–22
	CSRH*6012A**	46,500	TDR&TXV	13.20		11.20	46,500	3.44	29,800	2.54	7.8	58MVB080–20
	CSRH*6012A**	46,500	TDR&TXV	13.20		11.00	46,000	3.46	29,600	2.54	7.8	58MVB100–20
	CSRH*6012A**	46,500	TDR&TXV	13.50		11.20	46,000	3.46	29,600	2.54	7.8	58MVB120–20
	CSRH*6012A**	47,000	TXV		13.00	10.80	44,500	3.36	30,600	2.52	7.8	
60–33, 53, 63, 13	*FC4DN(F,B)060	56,000	TDR&TXV	13.00		11.00	56,000	3.60	35,000	2.54	7.9	
	FK4DNB006	55,500	TDR&TXV	13.00		11.00	56,000	3.62	34,400	2.54	7.9	
	CAR**6021A**	55,000	TDR&TXV	13.00		11.00	55,000	3.48	34,400	2.48	7.7	58PH*110–20
	CAR**6024A**	55,000	TDR&TXV	13.00		11.00	55,500	3.50	34,400	2.50	7.7	58CV(A,X)155–22
	CNRH*6024A**	55,000	TDR&TXV	13.00		11.00	57,000	3.50	34,400	2.48	7.7	58CV(A,X)135–22
	CNRH*6024A**	55,000	TDR&TXV	13.00		11.00	56,500	3.54	34,200	2.50	7.7	58CV(A,X)155–22
	CNRH*6024A**	55,000	TDR&TXV	13.00		11.00	57,000	3.52	34,400	2.48	7.7	58PH*110–20
	CNRV*6024A**	55,000	TDR&TXV	13.00		11.00	57,000	3.50	34,400	2.48	7.7	58CV(A,X)135–22
	CNRV*6024A**	55,000	TDR&TXV	13.00		11.00	56,500	3.54	34,200	2.50	7.7	58CV(A,X)155–22
	CSRH*6012A**	55,000	TDR&TXV	13.00		11.00	57,000	3.58	34,400	2.50	7.8	58CV(A,X)135–22
	CSRH*6012A**	55,000	TDR&TXV	13.00		11.00	56,500	3.60	34,400	2.52	7.8	58CV(A,X)155–22
	CSRH*6012A**	55,000	TDR&TXV	13.00		11.00	57,000	3.58	34,400	2.50	7.8	58PH*110–20
	CSRH*6012A**	55,000	TDR&TXV	13.00		11.00	57,000	3.56	34,400	2.48	7.7	58PH*135–20

* 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 (–9°C) db 15°F (–10°C) wb air entering outdoor unit.

SEER — Seasonal Energy Efficiency Ratio

COP — Coefficient of Performance

TDR — Time–Delay Relay

HSPF — Heating Seasonal Performance Factor

EER — Energy Efficiency Ratio

25HBR3

DETAILED COOLING CAPACITIES

EVAPORATOR AIR			CONDENSER ENTERING AIR TEMPERATURES °F (°C)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
CFM	EWB °F (°C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		Capacity MBtuht		Total System KW**	Capacity MBtuht		Total System KW**	Capacity MBtuht		Total System KW**	Capacity MBtuht		Total System KW**	Capacity MBtuht		Total System KW**	Capacity MBtuht		Total System KW**																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total

Cooling Indoor Model	Capacity	Power	Furnace Model
CSRH*2412A**	1.02	0.92	58MV/B080-14
CAR**2417A**	1.01	0.91	58UV/B060-14
CNRV*2417A**	1.01	0.91	58UV/B060-14
CAR**1814A**	1.00	0.90	58PH*045-08
CNRV*1814A**	1.02	0.92	58PH*045-08

See notes on pg. 26

Cooling Indoor Model	Capacity	Power	Furnace Model
CAR**1814A**	0.99	0.99	
CAR**2414A**	1.02	1.02	
CAR**2417A**	1.02	1.02	
CNR*2418A**	1.02	1.02	
CNRH*2417A**	1.02	1.02	
CNRV*1814A**	0.99	0.99	
CNRV*2414A**	1.02	1.02	
CNRV*2417A**	1.02	1.02	
CSRH*2412A**	1.02	1.02	
*FA4CN(F)C018	1.00	1.00	
FA4CN(F)C024	1.01	1.01	
FC4DNF018	1.02	0.94	
FC4DNF024	1.03	0.93	
FF1ENE018	1.00	1.00	
FF1ENE024	1.01	1.01	
FK4DNF001	1.02	0.92	
FK4DNF002	1.04	0.89	
CAR**1814A**	0.99	0.91	58CV(A.X)070-12
CAR**2414A**	1.01	0.91	58CV(A.X)070-12
CNRH*2417A**	1.02	0.92	58CV(A.X)070-12
CNRV*1814A**	0.99	0.89	58CV(A.X)070-12
CNRV*2414A**	1.01	0.91	58CV(A.X)070-12
CSRH*2412A**	1.01	0.91	58CV(A.X)070-12
CAR**2417A**	1.02	0.92	58CV(A.X)090-16
CNRH*2417A**	1.02	0.92	58CV(A.X)090-16
CNRV*2417A**	1.02	0.92	58CV(A.X)090-16
CSRH*2412A**	1.02	0.92	58CV(A.X)090-16
CNRH*2417A**	1.01	0.91	58MV/B040-14
CSRH*2412A**	1.01	0.91	58MV/B040-14
CAR**2417A**	1.01	0.91	58MV/B060-14
CNRH*2417A**	1.01	0.91	58MV/B060-14
CNRV*2417A**	1.01	0.91	58MV/B060-14
CSRH*2412A**	1.01	0.91	58MV/B060-14
CNRH*2417A**	1.02	0.92	58MV/B080-14

DETAILED COOLING CAPACITIES - CONTINUED

EVAPORATOR AIR			CONDENSER ENTERING AIR TEMPERATURES °F (°C)																
CFM	EWB °F (°C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)		125 (51.7)		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**	Capacity MBtu/h†	Total System KW**						
700	72 (22.2)	26.55	13.79	1.69	25.58	13.41	1.88	24.57	13.03	2.08	23.52	12.63	2.31	22.41	12.22	2.57	21.24	11.79	2.84
	67 (19.4)	24.11	17.20	1.67	23.20	16.81	1.86	22.26	16.42	2.07	21.27	16.00	2.30	20.24	15.57	2.55	19.15	15.12	2.82
	63 (17.2)†	22.37	16.59	1.66	21.51	16.20	1.85	20.61	15.80	2.06	19.67	15.37	2.28	18.69	14.93	2.53	17.65	14.47	2.80
	62 (16.7)	22.00	20.58	1.66	21.18	20.15	1.85	20.32	19.70	2.05	19.44	19.21	2.28	18.57	18.57	2.53	17.73	17.73	2.80
	57 (13.9)	21.50	21.50	1.66	20.82	20.82	1.85	20.11	20.11	2.05	19.36	19.36	2.28	18.57	18.57	2.53	17.73	17.73	2.80
800	72 (22.2)	27.00	14.44	1.73	25.99	14.06	1.91	24.95	13.67	2.12	23.86	13.27	2.35	22.71	12.85	2.61	21.51	12.42	2.88
	67 (19.4)	24.52	18.28	1.71	23.58	17.89	1.90	22.60	17.49	2.11	21.58	17.07	2.34	20.51	16.62	2.59	19.40	16.16	2.86
	63 (17.2)†	22.75	17.61	1.70	21.86	17.21	1.89	20.93	16.80	2.10	19.97	16.36	2.32	18.95	15.91	2.57	17.89	15.44	2.84
	62 (16.7)	22.48	21.96	1.70	21.64	21.50	1.89	20.83	20.83	2.09	20.04	20.04	2.32	19.21	19.21	2.57	18.34	18.34	2.84
	57 (13.9)	22.30	22.30	1.70	21.59	21.59	1.89	20.83	20.83	2.09	20.05	20.05	2.32	19.21	19.21	2.57	18.34	18.34	2.84
900	72 (22.2)	27.33	15.05	1.77	26.29	14.68	1.95	25.22	14.29	2.16	24.10	13.88	2.39	22.93	13.46	2.65	21.69	13.02	2.92
	67 (19.4)	24.82	19.32	1.75	23.85	18.92	1.94	22.85	18.51	2.15	21.81	18.07	2.37	20.72	17.62	2.62	19.58	17.15	2.90
	63 (17.2)†	23.03	18.57	1.74	22.12	18.16	1.93	21.17	17.74	2.13	20.18	17.30	2.36	19.15	16.84	2.61	18.07	16.35	2.88
	62 (16.7)	22.97	22.97	1.74	22.22	22.22	1.93	21.43	21.43	2.14	20.61	20.61	2.37	19.74	19.74	2.62	18.83	18.83	2.89
	57 (13.9)	22.97	22.97	1.74	22.22	22.22	1.93	21.44	21.44	2.14	20.61	20.61	2.37	19.75	19.75	2.62	18.83	18.83	2.89

Cooling Indoor Model	Capacity	Power	Furnace Model
*FA4CNC(F)024	1.00	1.00	
FA4CNC(F)030	1.01	1.01	
FC4DNF024	1.02	0.96	
FC4DNF030	1.03	0.96	
FF1ENE030	1.00	1.00	
FK4DNF001	1.02	0.94	
FK4DNF002	1.03	0.95	
FK4DNF003	1.03	0.95	
CAR**2414A**	1.01	1.01	
CAR**2417A**	1.01	1.01	
CAR**3014A**	1.01	1.01	
CAR**3017A**	1.01	1.01	
CNRF*2418A**	1.01	1.01	
CNRH*2417A**	1.01	1.01	
CNRH*3017A**	1.01	1.01	
CNRV*2414A**	1.01	1.01	
CNRV*2417A**	1.01	1.01	
CNRV*3014A**	1.01	1.01	
CNRV*3017A**	1.01	1.01	
CSRH*2412A**	1.01	1.01	
CSRH*3012A**	1.01	1.01	
CAR**2414A**	1.01	0.95	58CV(A.X)070-12
CAR**3014A**	1.01	0.95	58CV(A.X)070-12
CNRH*2417A**	1.00	0.94	58CV(A.X)070-12
CNRH*3017A**	1.01	0.93	58CV(A.X)070-12
CNRV*2414A**	1.00	0.94	58CV(A.X)070-12
CNRV*3014A**	1.01	0.95	58CV(A.X)070-12
CSRH*2412A**	1.01	0.95	58CV(A.X)070-12
CSRH*3012A**	1.01	0.95	58CV(A.X)070-12
CAR**2414A**	1.01	0.93	58CV(A.X)090-16
CAR**2417A**	1.01	0.93	58CV(A.X)090-16
CAR**3017A**	1.02	0.94	58CV(A.X)090-16
CNRH*2417A**	1.01	0.95	58CV(A.X)090-16
CNRH*3017A**	1.02	0.94	58CV(A.X)090-16
CNRV*2417A**	1.01	0.94	58CV(A.X)090-16
CNRV*3017A**	1.02	0.94	58CV(A.X)090-16
CSRH*2412A**	1.01	0.93	58CV(A.X)090-16

Cooling Indoor Model	Capacity	Power	Furnace Model
CSRH*3012A**	1.01	0.93	58CV(A.X)090-16
CNRH*2417A**	1.01	0.95	58CV(A.X)110-20
CNRH*3017A**	1.02	0.94	58CV(A.X)110-20
CSRH*2412A**	1.01	0.95	58CV(A.X)110-20
CSRH*3012A**	1.01	0.93	58CV(A.X)110-20
CNRH*2417A**	1.01	0.95	58CV(A.X)135-22
CNRH*3017A**	1.02	0.94	58CV(A.X)135-22
CSRH*2412A**	1.01	0.95	58CV(A.X)135-22
CSRH*3012A**	1.01	0.93	58CV(A.X)135-22
CNRH*2417A**	1.01	0.95	58CV(A.X)155-22
CNRH*3017A**	1.02	0.94	58CV(A.X)155-22
CSRH*2412A**	1.01	0.93	58CV(A.X)155-22
CNRH*2417A**	1.01	0.95	58MB040-14
CNRH*3017A**	1.01	0.93	58MB040-14
CSRH*2412A**	1.01	0.95	58MB040-14
CSRH*3012A**	1.01	0.93	58MB040-14
CAR**2417A**	1.01	0.95	58MB060-14
CAR**3017A**	1.01	0.93	58MB060-14
CNRH*2417A**	1.01	0.95	58MB060-14
CNRH*3017A**	1.01	0.93	58MB060-14
CNRV*2417A**	1.01	0.95	58MB060-14
CNRV*3017A**	1.01	0.93	58MB060-14
CSRH*2412A**	1.01	0.95	58MB060-14
CSRH*3012A**	1.01	0.93	58MB060-14
CNRH*2417A**	1.01	0.95	58MB060-20
CNRH*3017A**	1.01	0.93	58MB060-20
CSRH*2412A**	1.01	0.95	58MB060-20
CSRH*3012A**	1.01	0.93	58MB060-20
CNRH*2417A**	1.01	0.95	58MB100-20
CNRH*3017A**	1.01	0.93	58MB100-20
CSRH*2412A**	1.01	0.95	58MB100-20

Cooling Indoor Model	Capacity	Power	Furnace Model
CSRH*3012A**	1.01	0.93	58MB100-20
CNRH*2417A**	1.00	0.94	58MB120-20
CNRH*3017A**	1.01	0.93	58MB120-20
CSRH*2412A**	1.01	0.95	58MB120-20
CSRH*3012A**	1.01	0.93	58MB120-20
CAR**2417A**	1.01	0.95	58UVB060-14
CAR**3017A**	1.01	0.93	58UVB060-14
CNRV*2417A**	1.01	0.95	58UVB060-14
CNRV*3017A**	1.01	0.93	58UVB060-14
CAR**2414A**	1.01	0.95	58PH*045-08
CNRV*2414A**	1.01	0.95	58PH*045-08
CNRH*2417A**	1.01	0.95	58PH*045-08

See notes on pg. 26

DETAILED COOLING CAPACITIES - CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg °F (°C)																
CFM	EWB °F (°C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)		125 (51.7)						
		Capacity MBtuh		Total 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						
25HBR330A Outdoor Section With FA4CNEF030 Indoor Section																		
875	72 (22.2)	33.50	17.16	2.08	32.17	16.64	2.33	30.80	16.11	2.60	29.39	15.58	27.93	15.03	3.23	26.40	14.46	3.59
	67 (19.4)	30.45	21.24	2.09	29.23	20.71	2.33	27.96	20.17	2.60	26.66	19.62	25.30	19.05	3.23	23.88	18.46	3.58
	63 (17.2)	28.25	20.51	2.09	27.10	19.98	2.33	25.91	19.44	2.60	24.68	18.88	23.40	18.30	3.22	22.06	17.70	3.57
	62 (16.7)	27.76	25.27	2.09	26.65	24.71	2.33	25.51	24.12	2.60	24.34	23.49	23.14	22.81	3.22	21.95	21.95	3.57
	57 (13.9)	26.84	26.84	2.09	25.94	25.94	2.33	25.01	25.01	2.60	24.04	24.04	23.02	23.02	3.22	21.95	21.95	3.57
1000	72 (22.2)	34.09	17.92	2.13	32.70	17.40	2.37	31.27	16.86	2.65	29.82	16.32	28.31	15.76	3.28	26.73	15.18	3.63
	67 (19.4)	31.00	22.51	2.13	29.72	21.97	2.38	28.40	21.42	2.65	27.06	20.86	25.65	20.28	3.27	24.19	19.67	3.62
	63 (17.2)	28.77	21.70	2.13	27.57	21.16	2.38	26.33	20.61	2.65	25.06	20.04	23.74	19.44	3.27	22.36	18.83	3.62
	62 (16.7)	28.35	26.94	2.13	27.22	26.92	2.38	26.07	25.65	2.65	24.90	24.90	23.81	23.81	3.27	22.68	22.68	3.62
	57 (13.9)	27.86	27.86	2.13	26.91	26.91	2.38	25.92	25.92	2.65	24.89	24.89	23.82	23.82	3.27	22.69	22.69	3.62
1125	72 (22.2)	34.54	18.65	2.17	33.11	18.12	2.42	31.63	17.57	2.69	30.14	17.03	28.58	16.46	3.32	26.96	15.88	3.68
	67 (19.4)	31.42	23.74	2.18	30.10	23.19	2.42	28.74	22.63	2.69	27.35	22.05	25.92	21.45	3.32	24.43	20.83	3.67
	63 (17.2)	29.16	22.85	2.18	27.93	22.30	2.42	26.66	21.73	2.69	25.36	21.15	24.00	20.54	3.31	22.59	19.90	3.66
	62 (16.7)	28.88	28.40	2.18	27.73	27.73	2.42	26.66	26.66	2.69	25.59	25.59	24.47	24.47	3.32	23.28	23.28	3.67
	57 (13.9)	28.70	28.70	2.18	27.70	27.70	2.42	26.67	26.67	2.69	25.60	25.60	24.47	24.47	3.32	23.29	23.29	3.67

Cooling Indoor Model	Capacity	Power	Furnace Model
*FA4CNF Cj030	1.00	1.00	
FC4DN(FB)036	1.01	0.98	
FC4DNF030	1.01	0.97	
FF1ENE030	0.99	1.02	
FF1ENE036	1.01	1.01	
FK4DNF001	1.00	0.96	
FK4DNF002	1.01	0.95	
FK4DNF003	1.01	0.94	
FK4DNF005	1.05	0.94	
CAR**3014A**	1.01	1.04	
CAR**3017A**	1.01	1.04	
CAR**3614A**	1.00	1.03	
CAR**3617A**	1.01	1.04	
CAR**3618A**	1.01	1.04	
CNRH**3017A**	1.01	1.04	
CNRH**3617A**	1.01	1.04	
CNRV**3014A**	1.01	1.04	
CNRV**3017A**	1.01	1.04	
CNRH**3617A**	1.01	1.04	
CNRV**3617A**	1.01	1.04	
CNRH**3012A**	1.00	1.00	58CV(A.X)070-12
CAR**3014A**	1.00	0.96	58CV(A.X)070-12
CAR**3614A**	1.00	0.94	58CV(A.X)070-12
CNRH**3017A**	1.00	0.94	58CV(A.X)070-12
CNRH**3617A**	1.00	0.94	58CV(A.X)070-12
CNRV**3014A**	1.00	0.96	58CV(A.X)070-12
CNRV**3012A**	1.00	0.94	58CV(A.X)070-12
CNRH**3612A**	1.01	0.95	58CV(A.X)090-16
CAR**3017A**	1.00	0.94	58CV(A.X)090-16
CAR**3617A**	1.01	0.95	58CV(A.X)090-16
CNRH**3017A**	1.00	0.94	58CV(A.X)090-16
CNRH**3617A**	1.00	0.94	58CV(A.X)090-16
CNRV**3017A**	1.00	0.94	58CV(A.X)090-16
CNRH**3612A**	1.01	0.93	58CV(A.X)110-20
CAR**3621A**	1.01	0.95	58CV(A.X)110-20
CNRH**3017A**	1.01	0.95	58CV(A.X)110-20

Cooling Indoor Model	Capacity	Power	Furnace Model
CNRH**3617A**	1.01	0.95	58CV(A.X)110-20
CNRV**3621A**	1.01	0.95	58CV(A.X)110-20
CNRH**3621A**	1.01	0.94	58CV(A.X)110-20
CNRH**3612A**	1.01	0.93	58CV(A.X)110-20
CNRH**3017A**	1.01	0.95	58CV(A.X)135-22
CNRH**3617A**	1.01	0.95	58CV(A.X)135-22
CNRH**3012A**	1.01	0.95	58CV(A.X)135-22
CNRH**3612A**	1.01	0.93	58CV(A.X)135-22
CNRH**3017A**	1.01	0.95	58CV(A.X)155-22
CNRH**3617A**	1.01	0.95	58CV(A.X)155-22
CNRH**3012A**	1.01	0.93	58CV(A.X)155-22
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	58MV060-14
CNRH**3617A**	1.00	0.94	58MV060-14
CNRH**3012A**	1.00	0.94	58MV060-14
CNRH**3612A**	1.00	0.94	58MV060-14
CNRH**3017A**	1.00	0.94	

DETAILED COOLING CAPACITIES - CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg °F (°C)					105 (40.6)					115 (46.1)					125 (51.7)				
CFM	EWB °F (°C)	75 (23.9)		85 (29.4)		Total System 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		Total	Sens	
875	72 (22.2)	34.30	17.69	2.05	33.02	17.20	2.31	31.74	16.71	2.60	30.40	16.20	2.93	29.00	15.68	3.28	27.51	15.13	3.66		
	67 (19.4)	31.31	21.90	2.06	30.12	21.39	2.32	28.92	20.88	2.61	27.66	20.35	2.93	26.33	19.80	3.27	24.93	19.22	3.65		
	63 (17.2) [†]	29.13	21.18	2.06	28.00	20.67	2.32	26.85	20.15	2.61	25.65	19.60	2.93	24.38	19.03	3.27	23.05	18.44	3.64		
	62 (16.7)	28.65	26.04	2.06	27.56	25.50	2.32	26.46	24.93	2.61	25.31	24.31	2.92	24.13	23.64	3.27	22.94	22.94	3.64		
	57 (13.9)	27.77	27.77	2.06	26.88	26.88	2.32	25.97	25.97	2.61	25.01	25.01	2.92	24.00	24.00	3.27	22.94	22.94	3.64		
	72 (22.2)	34.91	18.50	2.08	33.58	18.00	2.34	32.26	17.51	2.63	30.88	17.00	2.95	29.42	16.47	3.31	27.89	15.91	3.69		
1000	67 (19.4)	31.88	23.23	2.08	30.64	22.72	2.34	29.40	22.20	2.64	28.10	21.66	2.95	26.73	21.10	3.30	25.30	20.51	3.68		
	63 (17.2) [†]	29.68	22.43	2.09	28.51	21.91	2.35	27.32	21.38	2.64	26.08	20.83	2.95	24.78	20.25	3.30	23.41	19.64	3.67		
	62 (16.7)	29.28	27.77	2.09	28.17	27.17	2.35	27.07	26.52	2.64	25.94	25.94	2.95	24.86	24.86	3.30	23.74	23.74	3.67		
	57 (13.9)	28.82	28.82	2.09	27.89	27.89	2.35	26.93	26.93	2.64	25.93	25.93	2.95	24.87	24.87	3.30	23.75	23.75	3.67		
	72 (22.2)	35.38	19.28	2.11	34.01	18.78	2.37	32.65	18.28	2.66	31.24	17.77	2.98	29.74	17.23	3.33	28.17	16.67	3.71		
	67 (19.4)	32.33	24.52	2.11	31.05	24.00	2.37	29.78	23.47	2.66	28.44	22.92	2.98	27.05	22.34	3.33	25.59	21.73	3.71		
1125	63 (17.2) [†]	30.11	23.64	2.12	28.91	23.11	2.38	27.69	22.57	2.67	26.42	22.00	2.98	25.09	21.41	3.33	23.70	20.78	3.70		
	62 (16.7)	29.85	29.27	2.12	28.75	28.75	2.37	27.73	27.73	2.66	26.68	26.68	2.98	25.57	25.57	3.33	24.41	24.41	3.70		
	57 (13.9)	29.71	29.71	2.12	28.73	28.73	2.37	27.73	27.73	2.66	26.68	26.68	2.98	25.58	25.58	3.33	24.41	24.41	3.70		

Cooling Indoor Model	Capacity	Power	Furnace Model
*FC4DNF030	1.00	1.00	
FC4DN(FB)036	1.01	1.01	
FK4DN(B,F)003	1.00	0.94	
FK4DN(B,F)005	1.02	0.96	
FK4DNF001	0.98	0.96	
FK4DNF002	0.99	0.96	
CAR**3014A**	0.98	0.96	58CV(A,X)070-12
CAR**3614A**	0.99	0.97	58CV(A,X)070-12
CNRH*3017A**	0.99	0.97	58CV(A,X)070-12
CNRH*3617A**	0.99	0.97	58CV(A,X)070-12
CNRH*3012A**	0.99	0.97	58CV(A,X)070-12
CSRH*3012A**	1.01	0.95	58CV(A,X)070-12
CSRH*3612A**	0.99	0.95	58CV(A,X)090-16
CAR**3017A**	0.99	0.95	58CV(A,X)090-16
CAR**3617A**	0.99	0.95	58CV(A,X)090-16
CNRH*3017A**	0.99	0.95	58CV(A,X)090-16
CNRH*3617A**	0.99	0.95	58CV(A,X)090-16
CNRV*3017A**	0.99	0.95	58CV(A,X)090-16
CNRV*3617A**	0.99	0.95	58CV(A,X)090-16
CSRH*3012A**	0.99	0.96	58CV(A,X)090-16
CSRH*3612A**	1.01	0.95	58CV(A,X)110-20
CAR**3017A**	0.99	0.97	58CV(A,X)110-20
CAR**3621A**	0.99	0.97	58CV(A,X)110-20
CNRH*3017A**	0.99	0.97	58CV(A,X)110-20
CNRH*3617A**	0.99	0.97	58CV(A,X)110-20
CNRV*3012A**	0.99	0.97	58CV(A,X)110-20
CNRV*3612A**	0.99	0.97	58CV(A,X)110-20
CSRH*3012A**	0.99	0.96	58CV(A,X)115-22
CSRH*3612A**	1.01	0.95	58CV(A,X)115-22
CAR**3017A**	0.99	0.95	58CV(A,X)155-22
CAR**3617A**	0.99	0.95	58CV(A,X)155-22
CNRH*3012A**	0.99	0.96	58CV(A,X)155-22
CSRH*3612A**	1.01	0.95	58CV(A,X)155-22

Cooling Indoor Model	Capacity	Power	Furnace Model
CNRH*3017A**	0.98	0.96	58MV(B)040-14
CNRH*3617A**	0.98	0.96	58MV(B)040-14
CSRH*3012A**	0.99	0.97	58MV(B)040-14
CSRH*3612A**	1.01	0.95	58MV(B)040-14
CNRH*3017A**	0.98	0.96	58MV(B)060-14
CNRH*3617A**	0.98	0.96	58MV(B)060-14
CAR**3017A**	0.98	0.96	58MV(B)060-14
CAR**3617A**	0.99	0.97	58MV(B)060-14
CNRV*3017A**	0.98	0.96	58MV(B)060-14
CNRV*3617A**	0.98	0.96	58MV(B)060-14
CSRH*3012A**	0.99	0.97	58MV(B)060-14
CSRH*3612A**	1.01	0.95	58MV(B)060-14
CAR**3621A**	0.99	0.95	58MV(B)080-14
CNRH*3017A**	0.99	0.97	58MV(B)080-14
CNRH*3617A**	0.99	0.97	58MV(B)080-14
CNRV*3017A**	0.99	0.97	58MV(B)080-14
CNRV*3617A**	0.99	0.97	58MV(B)080-14
CSRH*3012A**	0.99	0.98	58MV(B)080-14
CSRH*3612A**	1.01	0.95	58MV(B)080-14
CAR**3621A**	0.99	0.95	58MV(B)080-20
CNRH*3017A**	0.99	0.97	58MV(B)080-20
CNRH*3617A**	0.99	0.97	58MV(B)080-20
CNRV*3017A**	0.99	0.97	58MV(B)080-20
CNRV*3617A**	0.99	0.97	58MV(B)080-20
CSRH*3012A**	0.99	0.98	58MV(B)080-20
CSRH*3612A**	1.01	0.95	58MV(B)080-20
CAR**3017A**	0.99	0.97	58MV(B)100-20
CAR**3617A**	0.99	0.97	58MV(B)100-20
CNRH*3017A**	0.99	0.97	58MV(B)100-20
CNRH*3617A**	0.99	0.97	58MV(B)100-20
CNRV*3012A**	0.99	0.98	58MV(B)100-20
CNRV*3612A**	1.01	0.95	58MV(B)100-20
CAR**3017A**	0.99	0.97	58MV(B)120-20
CAR**3617A**	0.99	0.97	58MV(B)120-20
CNRH*3012A**	0.99	0.97	58MV(B)120-20
CSRH*3612A**	1.01	0.95	58MV(B)120-20

Cooling Indoor Model	Capacity	Power	Furnace Model
CAR**3017A**	0.98	0.96	58UV(B)060-14
CAR**3617A**	0.99	0.97	58UV(B)060-14
CNRV*3017A**	0.98	0.96	58UV(B)060-14
CNRV*3617A**	0.98	0.96	58UV(B)060-14
CAR**3621A**	0.99	0.95	58UV(B)080-14
CNRV*3621A**	0.99	0.97	58UV(B)080-14
CAR**3621A**	0.99	0.95	58UV(B)080-20
CNRV*3621A**	0.99	0.97	58UV(B)080-20
CAR**3621A**	1.01	0.99	58PH*090-16
CNRH*3017A**	0.99	0.98	58PH*090-16
CNRH*3617A**	0.99	0.98	58PH*090-16
CNRH*3621A**	0.99	0.98	58PH*090-16
CSRH*3621A**	1.02	0.96	58PH*090-16

See notes on pg. 26

DETAILED COOLING CAPACITIES - CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg °F (°C)																	
CFM	EWB °F (°C)	75 (23.9)			85 (29.4)			95 (36)			105 (40.6)			115 (46.1)			125 (51.7)		
		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	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
1050	72 (22.2)	40.55	21.08	2.54	39.07	20.52	2.82	37.54	19.94	3.13	35.95	19.34	3.47	34.28	18.72	3.84	32.54	18.08	4.24
	67 (19.4)	36.84	26.14	2.52	35.46	25.56	2.80	34.04	24.96	3.11	32.55	24.34	3.44	31.00	23.70	3.81	29.38	23.03	4.21
	63 (17.2)†	34.17	25.22	2.51	32.87	24.64	2.78	31.52	24.03	3.09	30.12	23.40	3.42	28.65	22.74	3.79	27.12	22.06	4.19
	62 (16.7)	33.63	31.11	2.51	32.39	30.47	2.78	31.11	29.79	3.09	29.79	29.05	3.42	28.43	28.43	3.79	27.18	27.18	4.19
	57 (13.9)	32.80	32.80	2.50	31.78	31.78	2.78	30.71	30.71	3.09	29.59	29.59	3.42	28.42	28.42	3.79	27.19	27.19	4.19
1200	72 (22.2)	41.29	22.08	2.58	39.75	21.51	2.86	38.16	20.93	3.17	36.51	20.32	3.51	34.79	19.69	3.88	32.99	19.05	4.28
	67 (19.4)	37.51	27.77	2.56	36.08	27.18	2.84	34.60	26.57	3.15	33.07	25.93	3.48	31.47	25.28	3.85	29.81	24.59	4.25
	63 (17.2)†	34.80	26.74	2.55	33.46	26.15	2.82	32.07	25.53	3.13	30.62	24.88	3.47	29.11	24.21	3.83	27.54	23.51	4.23
	62 (16.7)	34.40	33.15	2.55	33.15	32.42	2.82	31.86	31.86	3.13	30.66	30.66	3.47	29.42	29.42	3.83	28.13	28.13	4.23
	57 (13.9)	34.04	34.04	2.54	32.96	32.96	2.82	31.84	31.84	3.13	30.66	30.66	3.47	29.43	29.43	3.83	28.13	28.13	4.23
1350	72 (22.2)	41.86	23.05	2.62	40.28	22.46	2.90	38.65	21.87	3.21	36.95	21.27	3.55	35.18	20.64	3.92	33.33	19.98	4.32
	67 (19.4)	38.04	29.35	2.60	36.57	28.75	2.88	35.05	28.12	3.18	33.48	27.47	3.52	31.85	26.79	3.89	30.15	26.08	4.29
	63 (17.2)†	35.31	28.22	2.59	33.93	27.61	2.86	32.50	26.97	3.17	31.02	26.31	3.50	29.48	25.62	3.87	27.87	24.88	4.27
	62 (16.7)	35.11	35.11	2.59	33.95	33.95	2.86	32.78	32.78	3.17	31.55	31.55	3.51	30.26	30.26	3.88	28.91	28.91	4.28
	57 (13.9)	35.09	35.09	2.59	33.96	33.96	2.86	32.79	32.79	3.17	31.56	31.56	3.51	30.27	30.27	3.88	28.91	28.91	4.28

Cooling Indoor Model	Capacity	Power	Furnace Model
CAR**4224A**	0.99	1.01	58MVB040-14
CNRH*4221A**	0.99	0.99	58MVB040-14
CSRH*3612A**	1.00	1.00	58MVB040-14
CSRH*4212A**	1.01	1.01	58MVB040-14
CAR**3617A**	0.98	1.00	58MVB060-14
CNRH*3617A**	0.98	0.99	58MVB060-14
CNRH*4221A**	0.99	0.98	58MVB060-14
CNRH*3617A**	0.98	0.99	58MVB060-14
CSRH*3612A**	1.01	1.01	58MVB060-14
CSRH*4212A**	1.01	0.99	58MVB060-14
CAR**4221A**	0.99	1.01	58MVB080-14
CNRH*4221A**	0.99	0.99	58MVB080-14
CNRH*4221A**	0.99	0.99	58MVB080-14
CSRH*3612A**	1.00	1.02	58MVB080-14
CAR**4221A**	1.01	1.01	58MVB080-14
CNRH*4221A**	0.99	0.99	58MVB080-20
CNRH*4221A**	0.99	0.99	58MVB080-20
CNRH*4221A**	0.98	0.99	58MVB080-20
CNRH*4221A**	1.01	1.01	58MVB080-20
CNRH*4221A**	0.98	0.98	58MVB100-20
CAR**4221A**	0.99	0.99	58MVB100-20
CNRH*3617A**	0.98	0.99	58MVB100-20
CNRH*4221A**	0.99	0.98	58MVB100-20
CNRH*3612A**	1.01	1.01	58MVB100-20
CSRH*3612A**	1.01	0.99	58MVB100-20
CSRH*4212A**	1.01	0.99	58MVB100-20
CAR**4224A**	0.99	0.98	58MVB120-20
CNRH*4221A**	1.01	1.01	58MVB120-20
CSRH*3612A**	1.01	1.01	58MVB120-20

Cooling Indoor Model	Capacity	Power	Furnace Model
*FC4DN(FB)036	1.00	1.00	
FA4CN(FC)036	0.98	1.08	
FA4CN(FC)042	0.99	1.09	
FC4DN(FB)042	1.02	1.02	
FK4DN(B,F)003	0.99	0.98	
FK4DN(F)002	0.98	1.00	
CNRH*4221A**	0.99	0.99	58CV(A.X)070-12
CSRH*3612A**	1.01	1.01	58CV(A.X)070-12
CSRH*4212A**	1.01	1.01	58CV(A.X)070-12
CAR**3617A**	0.98	0.98	58CV(A.X)090-16
CNRH*3617A**	0.98	1.00	58CV(A.X)090-16
CNRH*4221A**	1.00	0.98	58CV(A.X)090-16
CNRH*3617A**	0.98	1.00	58CV(A.X)090-16
CSRH*3612A**	1.01	0.99	58CV(A.X)090-16
CAR**3621A**	1.02	1.00	58CV(A.X)090-16
CNRH*4221A**	0.99	0.99	58CV(A.X)110-20
CAR**4221A**	0.99	0.99	58CV(A.X)110-20
CNRH*3617A**	0.98	1.00	58CV(A.X)110-20
CNRH*4221A**	1.00	0.98	58CV(A.X)110-20
CNRH*3621A**	0.98	1.00	58CV(A.X)110-20
CNRH*4221A**	1.00	0.98	58CV(A.X)110-20
CSRH*3612A**	1.01	0.99	58CV(A.X)110-20
CSRH*4212A**	1.02	1.00	58CV(A.X)110-20
CAR**4224A**	0.99	0.98	58CV(A.X)135-22
CNRH*3617A**	0.98	1.00	58CV(A.X)135-22
CNRH*4221A**	1.00	0.99	58CV(A.X)135-22
CSRH*3612A**	1.01	0.98	58CV(A.X)135-22
CAR**4224A**	1.00	0.98	58CV(A.X)155-22
CNRH*3617A**	0.98	0.98	58CV(A.X)155-22
CNRH*4221A**	1.00	0.98	58CV(A.X)155-22
CSRH*3612A**	1.01	0.99	58CV(A.X)155-22
CSRH*4212A**	1.02	1.00	58CV(A.X)155-22

See notes on pg. 26

DETAILED COOLING CAPACITIES - CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																							
CFM	EWB °F (°C)	75 (23.9)				85 (29.4)				95 (35)				105 (40.6)				115 (46.1)				125 (51.7)			
		Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**			
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
25HBR342A Outdoor Section With FC4DN(FB)042 Indoor Section																									
1225	72 (22.2)	47.89	24.43	3.12	46.10	23.74	3.43	44.28	23.05	3.78	42.40	22.35	4.16	40.47	21.63	4.59	38.49	20.80	5.06						
	67 (19.4)	43.67	30.25	3.09	42.01	29.54	3.40	40.32	28.83	3.74	38.58	28.11	4.12	36.80	27.36	4.55	34.98	26.62	5.02						
	63 (17.2) ^{††}	40.53	29.22	3.03	38.97	28.21	3.36	37.38	27.79	3.71	35.75	27.06	4.09	34.09	26.32	4.52	32.40	25.58	4.98						
	62 (16.7)	39.82	35.96	3.06	38.31	35.21	3.37	36.78	34.43	3.70	35.23	33.62	4.09	33.67	32.76	4.51	32.15	32.15	4.98						
	57 (13.9)	38.58	38.58	3.05	37.35	37.35	3.35	36.10	36.10	3.70	34.82	34.82	4.08	33.50	33.50	4.51	32.15	32.15	4.98						
1400	72 (22.2)	48.74	25.55	3.18	46.87	24.86	3.49	44.99	24.16	3.84	43.04	23.45	4.22	41.04	22.72	4.65	38.99	21.98	5.12						
	67 (19.4)	44.49	32.11	3.14	42.76	31.39	3.45	41.00	30.67	3.80	39.19	29.93	4.18	37.34	29.17	4.60	35.46	28.41	5.07						
	63 (17.2) ^{††}	41.32	30.97	3.12	39.69	30.25	3.42	38.04	29.51	3.77	36.35	28.77	4.15	34.63	28.01	4.57	32.88	27.25	5.04						
	62 (16.7)	40.71	38.40	3.11	39.17	37.57	3.42	37.63	36.68	3.76	36.11	36.11	4.14	34.70	34.70	4.57	33.26	33.26	5.04						
	57 (13.9)	40.08	40.08	3.11	38.79	38.79	3.42	37.47	37.47	3.76	36.11	36.11	4.14	34.71	34.71	4.57	33.27	33.27	5.04						
1575	72 (22.2)	49.37	26.61	3.23	47.45	25.91	3.54	45.52	25.21	3.89	43.52	24.49	4.27	41.46	23.76	4.70	39.36	23.01	5.17						
	67 (19.4)	45.09	33.88	3.20	43.31	33.15	3.51	41.50	32.41	3.85	39.64	31.65	4.23	37.75	30.88	4.66	35.82	30.09	5.13						
	63 (17.2) ^{††}	41.93	32.64	3.17	40.25	31.90	3.48	38.55	31.15	3.82	36.81	30.38	4.20	35.04	29.61	4.62	33.25	28.81	5.09						
	62 (16.7)	41.52	40.50	3.17	40.00	40.00	3.47	38.60	38.60	3.82	37.17	37.17	4.21	35.70	35.70	4.63	34.18	34.18	5.11						
	57 (13.9)	41.35	41.35	3.17	39.99	39.99	3.47	38.60	38.60	3.82	37.17	37.17	4.21	35.70	35.70	4.63	34.19	34.19	5.10						

Cooling Indoor Model	Capacity	Power	Furnace Model
CAR**4821A**	0.98	0.98	58UVB080-14
CNRV*4221A**	0.96	0.96	58UVB080-14
CNRV*4821A**	0.98	0.98	58UVB080-14
CAR**4221A**	0.96	0.96	58UVB080-20
CAR**4821A**	0.98	0.96	58UVB080-20
CNRV*4221A**	0.96	0.95	58UVB080-20
CNRV*4821A**	0.99	0.97	58UVB080-20
CAR**4221A**	0.96	0.96	58UVB100-20
CAR**4821A**	0.98	0.96	58UVB100-20
CNRV*4221A**	0.96	0.95	58UVB100-20
CNRV*4821A**	0.99	0.97	58UVB100-20
CAR**4224A**	0.96	0.95	58UVB120-20
CAR**4824A**	0.98	0.95	58UVB120-20
CNRV*4824A**	0.99	0.96	58UVB120-20
CAR**4221A**	0.98	0.96	58PH*090-16
CAR**4821A**	0.99	0.97	58PH*090-16
CNRH*4221A**	0.96	0.95	58PH*090-16
CNRH*4821A**	0.99	0.97	58PH*090-16
CNRV*4221A**	0.96	0.95	58PH*090-16
CNRV*4821A**	0.26	0.25	58PH*090-16
CSRH*4212A**	1.00	0.98	58PH*090-16
CSRH*4812A**	1.00	0.98	58PH*090-16
CAR**4221A**	0.98	0.96	58PH*110-20
CAR**4821A**	0.99	0.97	58PH*110-20
CNRH*4221A**	0.96	0.96	58PH*110-20
CNRH*4821A**	0.98	0.98	58PH*110-20
CNRV*4221A**	1.00	0.98	58PH*110-20
CNRV*4821A**	0.98	0.98	58PH*110-20
CSRH*4212A**	1.00	0.98	58PH*110-20
CSRH*4812A**	1.00	0.98	58PH*110-20
CAR**4224A**	0.98	0.96	58PH*135-20
CAR**4824A**	0.99	0.97	58PH*135-20
CNRH*4221A**	0.96	0.95	58PH*135-20
CNRH*4821A**	1.00	0.98	58PH*135-20
CNRV*4824A**	1.00	0.98	58PH*135-20
CSRH*4212A**	1.00	0.98	58PH*135-20
CSRH*4812A**	1.00	0.98	58PH*135-20

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	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	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
25HBR48A Outdoor Section With FC4DN(FB)048 Indoor Section																			
1400	72 (22.2)	54.36	28.62	3.39	52.40	27.85	3.77	50.36	27.05	4.20	48.22	26.22	4.67	45.96	25.35	5.18	43.60	24.46	5.74
	67 (19.4)	49.43	35.40	3.36	47.60	34.60	3.74	45.69	33.76	4.17	43.69	32.91	4.63	41.59	32.01	5.14	39.39	31.08	5.69
	63 (17.2)†	45.89	34.20	3.34	44.17	33.39	3.72	42.36	32.54	4.14	40.46	31.68	4.60	38.48	30.77	5.11	36.39	29.82	5.65
	62 (16.7)	45.06	42.14	3.34	43.38	41.29	3.72	41.63	40.39	4.14	39.82	39.43	4.60	37.96	37.68	5.10	36.18	36.18	5.65
	57 (12.9)	43.70	43.70	3.33	42.35	42.35	3.71	40.93	40.93	4.13	39.43	39.43	4.60	37.85	37.85	5.10	36.18	36.18	5.65
1600	72 (22.2)	55.40	29.99	3.45	53.36	29.21	3.83	51.24	28.40	4.26	49.03	27.56	4.73	46.70	26.69	5.25	44.25	25.78	5.81
	67 (19.4)	50.38	37.63	3.42	48.48	36.82	3.80	46.50	35.97	4.23	44.43	35.10	4.69	42.25	34.19	5.21	39.99	33.24	5.76
	63 (17.2)†	46.79	36.30	3.40	45.00	35.47	3.78	43.12	34.61	4.20	41.16	33.73	4.67	39.11	32.80	5.17	36.97	31.82	5.72
	62 (16.7)	46.08	45.08	3.40	44.37	44.15	3.78	42.62	42.33	4.20	40.92	40.92	4.67	39.26	37.50	5.17	37.50	37.50	5.73
	57 (13.9)	45.44	45.44	3.39	44.01	44.01	3.78	42.51	42.51	4.20	40.93	40.93	4.67	39.26	39.26	5.17	37.50	37.50	5.73
1800	72 (22.2)	56.19	31.29	3.51	54.09	30.50	3.89	51.91	29.68	4.32	49.63	28.84	4.79	47.23	27.95	5.31	44.73	27.04	5.87
	67 (19.4)	51.10	39.94	3.48	49.14	38.94	3.86	47.11	38.09	4.29	44.75	37.20	4.75	42.76	36.26	5.27	40.44	35.29	5.82
	63 (17.2)†	47.47	38.29	3.46	45.63	37.45	3.84	43.70	36.58	4.26	41.69	35.67	4.73	39.59	34.72	5.23	37.40	33.73	5.78
	62 (16.7)	47.01	46.74	3.46	45.40	45.40	3.84	43.83	43.83	4.27	42.17	42.17	4.73	40.43	40.43	5.24	38.59	38.59	5.80
	57 (13.9)	46.91	46.91	3.46	45.41	45.41	3.84	43.83	43.83	4.27	42.18	42.18	4.73	40.44	40.44	5.24	38.60	38.60	5.80

Cooling Indoor Model	Capacity	Power	Furnace Model
CSRH*6012A**	1.01	0.97	58PH*135-20

See notes on pg. 26

Cooling Indoor Model	Capacity	Power	Furnace Model
CNRH*6024A**	0.99	0.99	58MBV100-20
CNRV*4821A**	0.97	0.99	58MBV100-20
CSRH*4812A**	0.98	1.00	58MBV100-20
CSRH*6012A**	1.00	1.00	58MBV100-20
CAR**4824A**	0.97	0.99	58MBV120-20
CAR**6024A**	0.99	0.99	58MBV120-20
CNRH*4821A**	0.97	0.99	58MBV120-20
CNRH*6024A**	0.99	0.99	58MBV120-20
CNRV*4824A**	0.97	0.99	58MBV120-20
CNRV*6024A**	0.99	0.99	58MBV120-20
CSRH*4812A**	0.98	1.00	58MBV120-20
CSRH*6012A**	1.00	0.98	58MBV120-20
CAR**6021A**	0.99	0.99	58UVB080-20
CAR**4821A**	0.97	0.99	58UVB100-20
CAR**6021A**	0.99	0.99	58UVB100-20
CNRV*4821A**	0.97	0.99	58UVB100-20
CAR**4824A**	0.97	0.99	58UVB120-20
CAR**6024A**	0.99	0.99	58UVB120-20
CNRV*4824A**	0.97	0.99	58UVB120-20
CNRV*6024A**	0.99	0.99	58UVB120-20
CAR**4821A**	0.98	0.98	58PH*090-16
CNRH*4821A**	0.98	0.98	58PH*090-16
CNRV*6024A**	1.00	1.00	58PH*090-16
CNRV*4821A**	0.98	0.98	58PH*090-16
CSRH*4812A**	0.99	0.99	58PH*090-16
CSRH*6012A**	1.01	0.97	58PH*090-16
CAR**4821A**	0.98	0.98	58PH*110-20
CNRH*4821A**	0.98	0.98	58PH*110-20
CNRH*6024A**	1.00	0.96	58PH*110-20
CNRV*4821A**	0.98	0.98	58PH*110-20
CSRH*4812A**	0.98	0.98	58PH*110-20
CSRH*6012A**	1.01	0.97	58PH*110-20
CAR**4824A**	0.98	0.98	58PH*135-20
CNRH*4821A**	0.98	0.98	58PH*135-20
CNRH*6024A**	1.00	0.96	58PH*135-20
CNRV*4824A**	0.98	0.98	58PH*135-20
CNRV*6024A**	1.00	0.96	58PH*135-20
CSRH*4812A**	0.98	0.98	58PH*135-20

Cooling Indoor Model	Capacity	Power	Furnace Model
*FC4DN1F/B048	1.00	1.00	
CSRH**6012A**	1.01	1.03	
FC4DN1F/B060	1.03	1.01	
FK4DN1B/F005	1.00	0.98	
FK4DNB006	1.02	0.94	
CNRH**4817A**	0.98	1.00	58CV(A.X090-16
CNRH**4821A**	0.97	0.99	58CV(A.X090-16
CNRH**6024A**	0.99	0.99	58CV(A.X090-16
CSRH**4812A**	0.98	1.00	58CV(A.X090-16
CSRH**6012A**	1.00	0.98	58CV(A.X090-16
CAR**4821A**	0.97	0.99	58CV(A.X110-20
CAR**6021A**	1.00	0.98	58CV(A.X110-20
CNRH**4821A**	0.98	0.98	58CV(A.X110-20
CNRH**6024A**	0.99	0.97	58CV(A.X110-20
CNRV**4821A**	0.98	0.98	58CV(A.X110-20
CSRH**4812A**	0.98	0.98	58CV(A.X110-20
CSRH**6012A**	1.00	0.98	58CV(A.X110-20
CAR**4824A**	0.97	0.97	58CV(A.X135-22
CAR**6024A**	1.00	0.98	58CV(A.X135-22
CNRH**4821A**	0.98	0.98	58CV(A.X135-22
CNRH**6024A**	1.00	0.98	58CV(A.X135-22
CNRV**4824A**	0.98	0.98	58CV(A.X135-22
CNRH**4812A**	1.00	0.98	58CV(A.X135-22
CSRH**4812A**	0.99	0.99	58CV(A.X135-22
CSRH**6012A**	1.00	0.98	58CV(A.X135-22
CAR**4824A**	0.98	0.96	58CV(A.X155-22
CAR**6024A**	1.00	0.98	58CV(A.X155-22
CNRH**4821A**	0.98	0.96	58CV(A.X155-22
CNRH**6024A**	1.00	0.98	58CV(A.X155-22
CNRV**4824A**	0.98	0.96	58CV(A.X155-22
CNRV**6024A**	1.00	0.98	58CV(A.X155-22
CSRH**4812A**	0.99	0.97	58CV(A.X155-22
CSRH**6012A**	1.01	0.97	58CV(A.X155-22
CAR**6021A**	0.99	0.99	58MBV080-20
CNRH**6024A**	0.99	0.99	58MBV080-20
CSRH**4812A**	0.98	1.00	58MBV080-20
CSRH**6012A**	1.00	0.98	58MBV080-20
CAR**4821A**	0.97	0.99	58MBV100-20
CAR**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.97	0.99	58MBV100-20
CNRV**4821A**	0.98	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNRV**6021A**	0.99	0.99	58MBV100-20
CNRH**4821A**	0.99	0.99	58MBV100-20
CNRH**6021A**	0.99	0.99	58MBV100-20
CNRV**4821A**	0.99	0.99	58MBV100-20
CNR			

DETAILED COOLING CAPACITIES - CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg °F (°C)											
		75 (23.9)				85 (29.4)				95 (35)			
		Capacity MBtuh		Total System KW		Capacity MBtuh		Total System KW		Capacity MBtuh		Total System KW	
CFM	EWB °F (°C)	Total	Sens	Total	Sens	Total	Sens	Total	Sens	Total	Sens	Total	Sens
25HBR360(A,G)33 Outdoor Section With FC4DNF060 Indoor Section													
1750	72 (22.2)	65.33	34.20	4.14	62.96	33.29	4.57	5.06	32.37	58.02	31.41	5.60	6.19
	67 (19.4)	59.64	42.73	4.09	57.44	41.78	4.52	5.00	40.82	52.81	39.83	5.54	6.12
	63 (17.2) ^{††}	55.45	41.28	4.05	53.38	40.33	4.48	4.96	39.36	49.00	38.36	5.49	6.07
	62 (16.7)	54.50	51.11	4.04	52.50	50.09	4.47	4.95	49.02	48.34	47.86	5.49	6.07
	57 (13.9)	53.24	53.24	4.03	51.61	51.61	4.46	4.95	49.91	48.13	48.13	5.48	6.07
2000	72 (22.2)	66.39	35.82	4.23	63.94	34.90	4.66	5.15	33.97	58.82	33.01	5.69	6.28
	67 (19.4)	60.63	45.43	4.17	58.36	44.47	4.61	5.09	43.50	53.57	42.49	5.63	6.21
	63 (17.2) ^{††}	56.44	43.83	4.13	54.29	42.86	4.57	5.05	42.86	49.76	40.84	5.58	6.16
	62 (16.7)	55.69	54.60	4.13	53.68	53.28	4.56	5.05	49.84	48.84	48.84	5.58	6.17
	57 (13.9)	55.26	55.26	4.12	53.53	53.53	4.56	5.05	51.73	48.85	48.85	5.58	6.17
2250	72 (22.2)	67.17	37.37	4.31	64.65	36.44	4.75	5.23	35.50	59.40	34.53	5.77	6.36
	67 (19.4)	61.37	48.01	4.26	59.03	47.04	4.69	5.18	46.05	54.13	45.02	5.71	6.30
	63 (17.2) ^{††}	57.17	46.25	4.22	54.96	45.27	4.65	5.13	50.32	44.25	43.20	5.66	6.25
	62 (16.7)	56.94	56.94	4.22	55.12	55.12	4.65	5.14	53.23	51.26	51.26	5.68	6.27
	57 (13.9)	56.94	56.94	4.22	55.12	55.12	4.65	5.14	53.24	51.26	51.26	5.68	6.27

Cooling Indoor Model	Capacity	Power	Furnace Model
*FC4DN(FB)060	1.00	1.00	
FK4DNB006	0.99	0.99	
CNHR*6024A**	0.98	0.98	58CV(A,X)135-22
CNRV*6024A**	0.98	0.98	58CV(A,X)135-22
CSRH*6012A**	0.98	0.98	58CV(A,X)135-22
CAR**6024A**	0.98	0.98	58CV(A,X)155-22
CNRH*6024A**	0.98	0.98	58CV(A,X)155-22
CNRV*6024A**	0.98	0.98	58CV(A,X)155-22
CSRH*6012A**	0.98	0.98	58CV(A,X)155-22
CAR**6021A**	0.98	0.98	58PH*110-20
CNRH*6024A**	0.98	0.98	58PH*110-20
CSRH*6012A**	0.98	0.98	58PH*110-20
CSRH*6012A**	0.98	0.98	58PH*135-20

* Tested combination.

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

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

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

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

EWB — Entering Wet Bulb

NOTES:

1. 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.
2. When the required data falls between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

HEAT PUMP HEATING PERFORMANCE

INDOOR AIR			OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C)																							
EDB	CFM	-3 (-19.4)		7 (-13.9)		17 (-8.3)		27 (-2.8)		37 (2.8)		47 (8.3)		57 (13.9)		67 (19.4)										
		Capacity MBtuh	Total System 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†	Capacity MBtuh	Total System KW†	Capacity MBtuh	Total System KW†									
		Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*									
			525	9.66	8.89	1.25	12.20	11.21	1.31	15.14	13.80	1.38	17.80	15.81	1.44	18.43	16.77	1.46	17.03	17.03	1.42	15.87	15.87	1.38		
65		600	9.85	9.06	1.27	12.42	11.41	1.32	15.39	14.04	1.38	17.70	15.72	1.43	17.72	16.12	1.43	17.05	17.05	1.41	16.00	16.00	1.39	14.42	14.42	1.35
		675	10.02	9.22	1.29	12.62	11.60	1.33	15.62	14.24	1.39	17.60	15.63	1.43	17.01	15.48	1.42	16.40	16.40	1.41	15.20	15.20	1.38	13.52	13.52	1.35
		525	9.43	8.68	1.31	11.94	10.97	1.37	14.84	13.53	1.44	17.79	15.80	1.52	19.11	17.39	1.56	18.81	18.81	1.54	18.21	18.21	1.52	17.62	17.62	1.50
70		600	9.62	8.85	1.33	12.15	11.17	1.38	15.10	13.77	1.45	17.62	15.83	1.51	18.44	16.78	1.52	18.00	18.00	1.51	17.34	17.34	1.49	16.32	16.32	1.47
		675	9.79	9.01	1.35	12.35	11.35	1.40	15.32	13.97	1.46	17.80	15.81	1.51	17.96	16.34	1.51	17.40	17.40	1.50	16.62	16.62	1.48	15.45	15.45	1.45
75		525	9.19	8.45	1.37	11.68	10.73	1.44	14.53	13.25	1.51	17.67	15.70	1.60	19.47	17.72	1.65	19.53	19.53	1.65	19.14	19.14	1.63	18.57	18.57	1.61
		600	9.38	8.63	1.39	11.89	10.93	1.45	14.78	13.48	1.51	17.81	15.81	1.59	19.06	17.34	1.62	18.78	18.78	1.61	18.15	18.15	1.59	17.76	17.76	1.58
		675	9.55	8.79	1.41	12.08	11.10	1.46	15.00	13.68	1.52	17.87	15.87	1.59	18.61	16.94	1.61	18.22	18.22	1.59	17.74	17.74	1.58	16.92	16.92	1.56

Heating Indoor Model		Capacity	Power	Furnace Model
*FA4CN/FC/018		1.00	1.00	
FC4DNF018		0.97	0.90	
FC4DNF024		0.86	0.84	
FF1ENE018		1.00	1.00	
FF1ENE024		0.87	0.92	
FK4DNF001		0.81	0.82	
FK4DNF002		0.81	0.80	
CAR**1814A**		1.01	1.03	
CAR**2414A**		0.87	0.92	
CAR**2417A**		0.87	0.92	
CNR*2418A**		0.87	0.89	
CNRH*2417A**		0.87	0.89	
CNRV*1814A**		0.96	0.96	
CNRV*2414A**		0.87	0.89	
CNRV*2417A**		0.87	0.89	
CNRV*2417A**		0.87	0.89	
CSRH*2412A**		0.82	0.89	
CAR**1814A**		1.00	0.95	58CV(A.X)070-12
CAR**2414A**		0.87	0.83	58CV(A.X)070-12
CNRH*2417A**		0.87	0.80	58CV(A.X)070-12
CNRV*1814A**		0.95	0.86	58CV(A.X)070-12
CNRV*2414A**		0.87	0.80	58CV(A.X)070-12
CSRH*2412A**		0.82	0.80	58CV(A.X)070-12
CAR**2417A**		0.87	0.83	58CV(A.X)090-16
CNRH*2417A**		0.87	0.80	58CV(A.X)090-16
CNRV*2417A**		0.87	0.80	58CV(A.X)090-16
CSRH*2412A**		0.82	0.80	58CV(A.X)090-16
CNRH*2417A**		0.87	0.80	58MV/B040-14
CAR**2417A**		0.87	0.83	58MV/B060-14
CNRH*2417A**		0.87	0.80	58MV/B060-14
CNRV*2417A**		0.87	0.80	58MV/B060-14
CSRH*2412A**		0.82	0.80	58MV/B060-14
CNRH*2417A**		0.87	0.80	58MV/B060-14
CSRH*2412A**		0.82	0.80	58MV/B060-14
CAR**2417A**		0.87	0.83	58MV/B060-14
CNRH*2417A**		0.87	0.80	58MV/B060-14
CSRH*2412A**		0.82	0.80	58MV/B060-14
CAR**2417A**		0.87	0.83	58MV/B060-14
CNRV*2417A**		0.87	0.80	58MV/B060-14
CAR**1814A**		1.00	0.92	58PH*045-08
CNRV*1814A**		0.99	0.94	58PH*045-08

HEAT PUMP HEATING PERFORMANCE - CONTINUED

[illegible]

Heating Indoor Model	Capacity	Power	Furnace Model
*FA4CN(F)C024	1.00	1.00	
FA4CN(F)C030	0.95	0.93	
FC4DNF024	0.98	0.97	
FC4DNF030	0.93	0.90	
FF1ENE030	0.99	0.99	
FK4DNF001	0.95	0.92	
FK4DNF002	0.95	0.88	
FK4DNF003	0.87	0.86	
CAR**2414A**	1.00	0.99	
CAR**2417A**	1.00	0.99	
CAR**3014A**	0.87	0.83	
CAR**3017A**	0.87	0.93	
CNRH*2418A**	1.00	0.96	
CNRH*2417A**	1.00	0.96	
CNRH*3017A**	0.87	0.93	
CNRH*3017A**	0.87	0.93	
CNRH*2414A**	1.00	0.96	
CNRH*2417A**	1.00	0.96	
CNRH*3014A**	0.87	0.93	
CNRH*3017A**	0.87	0.93	
CSRH*2412A**	0.97	0.96	
CSRH*3012A**	0.85	0.92	
CAR**2414A**	1.00	0.95	58CV(A,X)070-12
CAR**3014A**	0.92	0.91	58CV(A,X)070-12
CNRH*2417A**	0.99	0.92	58CV(A,X)070-12
CNRH*3017A**	0.87	0.85	58CV(A,X)070-12
CNRH*2414A**	1.00	0.92	58CV(A,X)070-12
CNRH*3014A**	0.87	0.85	58CV(A,X)070-12
CSRH*2412A**	0.97	0.91	58CV(A,X)070-12
CSRH*3012A**	0.85	0.84	58CV(A,X)070-12
CAR**2417A**	0.99	0.93	58CV(A,X)090-16
CAR**3017A**	0.87	0.85	58CV(A,X)090-16
CNRH*2417A**	0.99	0.91	58CV(A,X)090-16
CNRH*3017A**	0.87	0.84	58CV(A,X)090-16
CNRH*2417A**	0.99	0.91	58CV(A,X)090-16
CNRH*3017A**	0.87	0.84	58CV(A,X)090-16
CSRH*2412A**	0.97	0.90	58CV(A,X)090-16
CSRH*3012A**	0.85	0.83	58CV(A,X)090-16
CNRH*2417A**	0.99	0.91	58CV(A,X)110-20
CNRH*3017A**	0.87	0.84	58CV(A,X)110-20

Heating Indoor Model	Capacity	Power	Furnace Model
CSRH*2412A**	0.97	0.91	58CV(A,X)110-20
CSRH*3012A**	0.85	0.84	58CV(A,X)110-20
CNRH*2417A**	0.99	0.91	58CV(A,X)135-22
CNRH*3017A**	0.87	0.84	58CV(A,X)135-22
CSRH*2412A**	0.97	0.91	58CV(A,X)135-22
CSRH*3012A**	0.85	0.83	58CV(A,X)135-22
CNRH*2417A**	0.99	0.91	58CV(A,X)155-22
CNRH*3017A**	0.87	0.85	58MB040-14
CSRH*2412A**	0.97	0.91	58MB040-14
CSRH*3012A**	0.85	0.84	58MB040-14
CAR**2417A**	0.99	0.93	58MB060-14
CAR**3017A**	0.87	0.85	58MB060-14
CNRH*2417A**	0.99	0.91	58MB060-14
CNRH*3017A**	0.87	0.85	58MB060-14
CNRV*2417A**	0.99	0.91	58MB060-14
CNRV*3017A**	0.87	0.85	58MB060-14
CSRH*2412A**	0.97	0.91	58MB060-14
CSRH*3012A**	0.85	0.83	58MB060-14
CNRH*2417A**	0.99	0.91	58MB080-14
CNRH*3017A**	0.87	0.85	58MB080-14
CSRH*2412A**	0.97	0.91	58MB080-14
CSRH*3012A**	0.85	0.84	58MB080-14
CNRH*2417A**	0.99	0.91	58MB080-20
CNRH*3017A**	0.87	0.85	58MB080-20
CSRH*2412A**	0.97	0.91	58MB080-20
CSRH*3012A**	0.85	0.84	58MB080-20
CNRH*2417A**	0.99	0.91	58MB100-20
CNRH*3017A**	0.87	0.84	58MB100-20
CSRH*2412A**	0.97	0.91	58MB100-20
CSRH*3012A**	0.85	0.84	58MB100-20
CNRH*2417A**	0.99	0.92	58MB120-20
CNRH*3017A**	0.87	0.85	58MB120-20
CSRH*2412A**	0.97	0.91	58MB120-20
CSRH*3012A**	0.85	0.84	58MB120-20

Heating Indoor Model	Capacity	Power	Furnace Model
CAR**2417A**	0.99	0.93	58UVB060-14
CAR**3017A**	0.87	0.85	58UVB060-14
CNRV*2417A**	0.99	0.91	58UVB060-14
CNRV*3017A**	0.87	0.85	58UVB060-14
CAR**2414A**	0.96	0.92	58PH*045-08
CNRV*2414A**	0.97	0.91	58PH*045-08
CNRH*2417A**	0.97	0.91	58PH*045-08

See notes on pg. 34

HEAT PUMP HEATING PERFORMANCE - CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C)																							
		-3 (-19.4)		7 (-13.9)		17 (-8.3)		27 (-2.8)		37 (2.8)		47 (8.3)		57 (13.9)		67 (19.4)									
EDB	CFM	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†	Capacity MBtuh		Total System KW†						
		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*				
25HBR330A Outdoor Section With FA4CNF930 Indoor Section																									
65	875	12.29	11.31	1.99	15.26	14.02	2.07	18.47	16.84	2.15	22.03	19.57	2.25	26.00	23.66	2.38	30.08	30.08	2.50	33.89	33.89	2.61	38.13	38.13	2.78
	1000	12.52	11.51	2.02	15.50	14.24	2.09	18.74	17.09	2.15	22.33	19.84	2.25	26.35	23.96	2.37	30.08	30.08	2.44	33.69	33.69	2.56	36.45	36.45	2.65
	1125	12.72	11.70	2.05	15.69	14.42	2.11	18.98	17.30	2.17	22.60	20.07	2.26	26.64	24.24	2.37	29.95	29.95	2.42	33.52	33.52	2.53	34.52	34.52	2.56
70	875	11.96	11.00	2.08	14.96	13.75	2.17	18.17	16.57	2.25	21.71	19.28	2.36	25.65	23.34	2.50	29.88	29.88	2.64	33.78	33.78	2.75	37.90	37.90	2.92
	1000	12.18	11.21	2.10	15.20	13.97	2.18	18.43	16.80	2.26	22.01	19.55	2.35	25.99	23.65	2.48	30.00	30.00	2.58	33.60	33.60	2.69	37.40	37.40	2.83
	1125	12.39	11.40	2.13	15.42	14.17	2.20	18.66	17.01	2.27	22.27	19.78	2.36	26.28	23.92	2.47	29.96	29.96	2.55	33.48	33.48	2.66	35.74	35.74	2.73
75	875	11.60	10.67	2.16	14.65	13.46	2.26	17.88	16.30	2.36	21.38	18.99	2.47	25.30	23.02	2.61	29.59	29.59	2.78	33.66	33.66	2.89	37.69	37.69	3.06
	1000	11.82	10.88	2.18	14.89	13.68	2.28	18.14	16.54	2.36	21.69	19.26	2.46	25.64	23.33	2.59	29.79	29.79	2.72	33.58	33.58	2.83	37.52	37.52	2.98
	1125	12.03	11.07	2.21	15.11	13.88	2.30	18.37	16.75	2.37	21.94	19.49	2.47	25.93	23.59	2.59	29.91	29.91	2.68	33.41	33.41	2.79	36.71	36.71	2.91

25HBR30A Outdoor Section With FA4CNF030 Indoor Section

Heating Indoor Model	Capacity	Power	Furnace Model	Heating Indoor Model	Capacity	Power	Furnace Model
*FA4CN(F)C030	1.00	1.00	58CV(A)X1070-12	CNRV*3621A**	0.96	0.93	58CV(A)X110-20
FC4DN(F)B036	0.97	0.94		CSRH*3012A**	0.97	0.94	58CV(A)X110-20
FC4DNF030	0.99	0.95		CSRH*3612A**	0.95	0.90	58CV(A)X110-20
FF1ENE030	0.99	1.00		CNRH*3017A**	0.97	0.94	58CV(A)X135-22
FF1ENE036	0.97	0.98	58CV(A)X135-22	CNRH*3617A**	0.96	0.93	58CV(A)X135-22
FK4DNF001	0.98	0.97		CSRH*3012A**	0.97	0.93	58CV(A)X135-22
FK4DNF002	0.99	0.93		CSRH*3612A**	0.95	0.89	58CV(A)X135-22
FK4DNF003	0.96	0.92		CNRH*3017A**	0.97	0.93	58CV(A)X155-22
FK4DNF005	0.83	0.82	58CV(A)X155-22	CNRH*3617A**	0.96	0.93	58CV(A)X155-22
CAR**3014A**	0.98	0.98		CSRH*3012A**	0.97	0.93	58CV(A)X155-22
CAR**3017A**	0.98	0.99		CSRH*3612A**	0.95	0.89	58CV(A)X155-22
CAR**3614A**	0.97	0.98		CNRH*3017A**	0.97	0.95	58MVBO40-14
CAR**3617A**	0.97	0.98	58MVBO40-14	CNRH*3617A**	0.96	0.94	58MVBO40-14
CAR**3621A**	0.97	0.98		CSRH*3012A**	0.97	0.95	58MVBO40-14
CNRH*3618A**	0.98	0.98		CSRH*3612A**	0.95	0.91	58MVBO40-14
CNRH*3017A**	0.98	0.98		CAR**3017A**	0.97	0.95	58MVBO60-14
CNRH*3617A**	0.97	0.98	58MVBO60-14	CAR**3617A**	0.96	0.93	58MVBO60-14
CNRV*3014A**	0.98	0.98		CNRH*3017A**	0.97	0.95	58MVBO60-14
CNRV*3017A**	0.98	0.98		CNRH*3617A**	0.96	0.94	58MVBO60-14
CNRV*3617A**	0.97	0.97		CNRV*3017A**	0.97	0.95	58MVBO60-14
CNRV*3621A**	0.97	0.97	58MVBO60-14	CNRV*3617A**	0.96	0.94	58MVBO60-14
CSRH*3012A**	0.98	0.98		CSRH*3012A**	0.97	0.94	58MVBO60-14
CSRH*3612A**	0.96	0.95		CSRH*3612A**	0.95	0.91	58MVBO60-14
CAR**3014A**	0.97	0.95		CAR**3621A**	0.96	0.93	58MVBO60-14
CAR**3614A**	0.97	0.94	58MVBO60-14	CNRH*3017A**	0.97	0.94	58MVBO60-14
CNRH*3017A**	0.97	0.95		CNRH*3617A**	0.96	0.94	58MVBO60-14
CNRH*3017A**	0.97	0.95		CNRV*3017A**	0.96	0.94	58MVBO60-14
CNRH*3617A**	0.96	0.94		CSRH*3621A**	0.97	0.94	58MVBO60-14
CNRV*3014A**	0.97	0.95	58CV(A)X070-12	CSRH*3012A**	0.97	0.93	58CV(A)X070-12
CNRV*3017A**	0.97	0.95		CAR**3014A**	0.97	0.94	58CV(A)X070-12
CNRV*3617A**	0.96	0.94		CAR**3614A**	0.97	0.94	58CV(A)X070-12
CNRH*3012A**	0.97	0.94		CNRH*3017A**	0.97	0.94	58CV(A)X070-12
CNRH*3612A**	0.96	0.94	58CV(A)X070-12	CNRH*3617A**	0.96	0.94	58CV(A)X070-12
CNRV*3014A**	0.97	0.95		CNRV*3017A**	0.97	0.94	58CV(A)X070-12
CNRV*3017A**	0.97	0.95		CNRV*3617A**	0.96	0.94	58CV(A)X070-12
CNRV*3617A**	0.97	0.95		CSRH*3621A**	0.97	0.94	58CV(A)X070-12
CNRH*3012A**	0.97	0.94	58PH*070-16	CSRH*3012A**	0.96	0.90	58PH*070-16
CNRH*3612A**	0.96	0.92		CSRH*3612A**	0.97	0.92	58PH*070-16
CAR**3014A**	0.97	0.94		CAR**3621A**	0.97	0.92	58PH*070-16
CAR**3614A**	0.97	0.94		CNRH*3017A**	0.97	0.94	58PH*070-16
CNRH*3017A**	0.97	0.94	58PH*070-16	CNRH*3617A**	0.97	0.94	58PH*070-16
CNRH*3617A**	0.96	0.94		CNRV*3017A**	0.97	0.94	58PH*070-16
CNRV*3017A**	0.96	0.94		CNRV*3617A**	0.97	0.94	58PH*070-16
CNRV*3617A**	0.96	0.94		CSRH*3621A**	0.97	0.94	58PH*070-16
CNRH*3012A**	0.97	0.94	58PH*070-16	CSRH*3012A**	0.96	0.90	58PH*070-16
CNRH*3612A**	0.96	0.92		CSRH*3612A**	0.97	0.92	58PH*070-16
CAR**3014A**	0.97	0.94		CAR**3621A**	0.97	0.92	58PH*070-16
CAR**3614A**	0.97	0.94		CNRH*3017A**	0.97	0.94	58PH*070-16
CNRH*3017A**	0.97	0.94	58PH*070-16	CNRH*3617A**	0.97	0.94	58PH*070-16
CNRH*3617A**	0.96	0.94		CNRV*3017A**	0.97	0.94	58PH*070-16
CNRV*3017A**	0.96	0.94		CNRV*3617A**	0.97	0.94	58PH*070-16
CNRV*3617A**	0.96	0.94		CSRH*3621A**	0.97	0.94	58PH*070-16
CNRH*3012A**	0.97	0.94	58PH*070-16	CSRH*3012A**	0.96	0.90	58PH*070-16
CNRH*3612A**	0.96	0.92		CSRH*3612A**	0.97	0.92	58PH*070-16
CAR**3014A**	0.97	0.94		CAR**3621A**	0.97	0.92	58PH*070-16
CAR**3614A**	0.97	0.94		CNRH*3017A**	0.97	0.94	58PH*070-16
CNRH*3017A**	0.97	0.94	58PH*070-16	CNRH*3617A**	0.97	0.94	58PH*070-16
CNRH*3617A**	0.96	0.94		CNRV*3017A**	0.97	0.94	58PH*070-16
CNRV*3017A**	0.96	0.94		CNRV*3617A**	0.97	0.94	58PH*070-16
CNRV*3617A**	0.96	0.94		CSRH*3621A**	0.97	0.94	58PH*070-16
CNRH*3012A**	0.97	0.94	58PH*070-16	CSRH*3012A**	0.96	0.90	58PH*070-16
CNRH*3612A**	0.96	0.92		CSRH*3612A**	0.97	0.92	58PH*070-16
CAR**3014A**	0.97	0.94		CAR**3621A**	0.97	0.92	58PH*070-16
CAR**3614A**	0.97	0.94		CNRH*3017A**	0.97	0.94	58PH*070-16
CNRH*3017A**	0.97	0.94	58PH*070-16	CNRH*3617A**	0.97	0.94	58PH*070-16
CNRH*3617A**	0.96	0.94		CNRV*3017A**	0.97	0.94	58PH*070-16
CNRV*3017A**	0.96	0.94		CNRV*3617A**	0.97	0.94	58PH*070-16
CNRV*3617A**	0.96	0.94		CSRH*3621A**	0.97	0.94	58PH*070-16
CNRH*3012A**	0.97	0.94	58PH*070-16	CSRH*3012A**	0.96	0.90	58PH*070-16
CNRH*3612A**	0.96	0.92		CSRH*3612A**	0.97	0.92	58PH*070-16
CAR**3014A**	0.97	0.94		CAR**3621A**	0.97	0.92	58PH*070-16
CAR**3614A**	0.97	0.94		CNRH*3017A**	0.97	0.94	58PH*070-16
CNRH*3017A**	0.97	0.94	58PH*070-16	CNRH*3617A**	0.97	0.94	58PH*070-16
CNRH*3617A**	0.96	0.94		CNRV*3017A**	0.97	0.94	58PH*070-16
CNRV*3017A**	0.96	0.94		CNRV*3617A**	0.97	0.94	58PH*070-16
CNRV*3617A**	0.96	0.94		CSRH*3621A**	0.97	0.94	58PH*070-16
CNRH*3012A**	0.97	0.94	58PH*070-16	CSRH*3012A**	0.96	0.90	58PH*070-16
CNRH*3612A**	0.96	0.92		CSRH*3612A**	0.97	0.92	58PH*070-16
CAR**3014A**	0.97	0.94		CAR**3621A**	0.97	0.92	58PH*070-16
CAR**3614A**	0.97	0.94		CNRH*3017A**	0.97	0.94	58PH*070-16
CNRH*3017A**	0.97	0.94	58PH*070-16	CNRH*3617A**	0.97	0.94	58PH*070-16
CNRH*3617A**	0.96	0.94		CNRV*3017A**	0.97	0.94	58PH*070-16
CNRV*3017A**	0.96	0.94		CNRV*3617A**	0.97	0.94	58PH*070-16
CNRV*3617A**	0.96	0.94		CSRH*3621A**	0.97	0.94	58PH*070-16
CNRH*3012A**	0.97	0.94	58PH*070-16	CSRH*3012A**	0.96	0.90	58PH*070-16
CNRH*3612A**	0.96	0.92		CSRH*3612A**	0.97	0.92	58PH*070-16
CAR**3014A**	0.97	0.94		CAR**3621A**	0.97	0.92	58PH*070-16
CAR**3614A**	0.97	0.94		CNRH*3017A**	0.97	0.94	58PH*070-16
CNRH*3017A**	0.97	0.94	58PH*070-16	CNRH*3617A**	0.97	0.94	58PH*070-16
CNRH*3617A**	0.96	0.94		CNRV*3017A**	0.97	0.94	58PH*070-16
CNRV*3017A**	0.96	0.94		CNRV*3617A**	0.97	0.94	58PH*070-16
CNRV*3617A**	0.96	0.94		CSRH*3621A**	0.97	0.94	58PH*070-16
CNRH*3012A**	0.97	0.94	58PH*070-16	CSRH*3012A**	0.96	0.90	58PH*070-16
CNRH*3612A**	0.96	0.92		CSRH*3612A**	0.97	0.92	58PH*070-16
CAR**3014A**	0.97	0.94		CAR**3621A**	0.97	0.92	58PH*070-16
CAR**3614A**	0.97	0.94		CNRH*3017A**	0.97	0.94	58PH*070-16
CNRH*3017A**	0.97	0.94	58PH*070-16	CNRH*3617A**	0.97	0.94	58PH*070-16
CNRH*3617A**	0.96	0.94		CNRV*3017A**	0.97	0.94	58PH*070-16
CNRV*3017A**	0.96	0.94		CNRV*3617A**	0.97	0.94	58PH*070-16
CNRV*3617A**	0.96	0.94		CSRH*3621A**	0.97	0.94	58PH*070-16
CNRH*3012A**	0.97	0.94	58PH*070-16	CSRH*3012A**	0.96	0.90	58PH*070-16
CNRH*3612A**	0.96	0.92		CSRH*3612A**	0.97	0.92	58PH*070-16
CAR**3014A**	0.97	0.94		CAR**3621A**	0.97	0.92	58PH*070-16
CAR**3614A**	0.97	0.94		CNRH*3017A**	0.97	0.94	58PH*070-16
CNRH*3017A**	0.97	0.94	58PH*070-16	CNRH*3617A**	0.97	0.94	58PH*070-16
CNRH*3617A**	0.96	0.94		CNRV*3017A**	0.97	0.94	58PH*070-16
CNRV*3017A**	0.96	0.94		CNRV*3617A**	0.97	0.94	58PH*070-16
CNRV*3617A**	0.96	0.94		CSRH*3621A**	0.97	0.94	58PH*070-16
CNRH*3012A**	0.97	0.94	58PH*070-16	CSRH*3012A**	0.96	0.90	58PH*070-16
CNRH*3612A**	0.96	0.92		CSRH*3612A**	0.97	0.92	58PH*070-16
CAR**3014A**	0.97	0.94		CAR**3621A**	0.97	0.92	58PH*070-16
CAR**3614A**	0.97	0.94		CNRH*3017A**	0.97	0.94	58PH*070-16
CNRH*3017A**	0.97	0.94	58PH*070-16	CNRH*3617A**	0.97	0.94	58PH*070-16
CNRH*3617A**	0.96	0.94		CNRV*3017A**	0.97	0.94	58PH*070-16
CNRV*3017A**	0.96	0.94		CNRV*3617A**	0.97	0.94	58PH*070-16
CNRV*3617A**	0.96	0.94		CSRH*3621A**	0.97	0.94	58PH*070-16
CNRH*3012A**	0.97	0.94	58PH*070-16	CSRH*3012A**	0.96	0.90	58PH*070-16
CNRH*3612A**	0.96	0.92		CSRH*3612A**	0.97	0.92	58PH*070-16
CAR**3014A**	0.97	0.94		CAR**3621A**	0.97	0.92	58PH*070-16
CAR**3614A**	0.97	0.94		CNRH*3017A**	0.97	0.94	58PH*070-16
CNRH*3017A**	0.97	0.94	58PH*070-16	CNRH*3617A**	0.97	0.94	58PH*070-16
CNRH*3617A**	0.96	0.94		CNRV*3017A**	0.97	0.94	58PH*070-16
CNRV*3017A**	0.96	0.94		CNRV*3617A**	0.97	0.94	58PH*070-16
CNRV*3617A**	0.96	0.94		CSRH*3621A**	0.97	0.94	58PH*070-16
CNRH*3012A**	0.97	0.94	58PH*070-16	CSRH*3012A**	0.96	0.90	58PH*070-16
CNRH*3612A**	0.96	0.92		CSRH*3612A**	0.97	0.92	58PH*070-16
CAR**3014A**	0.97	0.94		CAR**3621A**	0.97	0.92	58PH*070-16
CAR**3614A**	0.97	0.94		CNRH*3017A**	0.97	0.94	58PH*070-16
CNRH*3017A**	0.97	0.94	58PH*070-16	CNRH*3617A**	0.97	0.94	58PH*070-16
CNRH*3617A**	0.96	0.94		CNRV*3017A**	0.97	0.94	58PH*070-16
CNRV*3017A**	0.96	0.94		CNRV*3617A**	0.97	0.94	58PH*070-16
CNRV*3617A**	0.96	0.94		CSRH*3621A**	0.97	0.94	58PH*070-16
CNRH*3012A**	0.97	0.94	58PH*070-16	CSRH*3012A**	0.96	0.90	58PH*070-16
CNRH*3612A**	0.96	0.92		CSRH*3612A**	0.97	0.92	58PH*070-16
CAR**3014A**	0.97	0.94		CAR**3621A**	0.97	0.92	58PH*070-16
CAR**3614A**	0.97	0.94		CNRH*3017A**	0.97	0.94	58PH*070-16
CNRH*3017A**	0.97	0.94	58PH*070-16	CNRH*3617A**	0.97	0.94	58PH*070-16
CNRH*3617A**	0.96	0.94		CNRV*3017A**	0.97	0.94	58PH*070-16
CNRV*3017A**	0.96	0.94		CNRV*3617A**	0.97	0.94	58PH*070-16
CNRV*3617A**	0.96	0.94		CSRH*3621A**	0.97	0.94	58PH*070-16
CNRH*3012A**	0.97	0.94	58PH*070-16	CSRH*3012A**	0.96	0.90	58PH*0

HEAT PUMP HEATING PERFORMANCE - CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C)																							
		-3 (-19.4)			7 (-13.9)			17 (-8.3)			27 (-2.8)			37 (2.8)			47 (8.3)			57 (13.9)			67 (19.4)		
		Capacity MBtuh		Total System 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†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†
EDB	CFM	Total	Integ*	Total	Total	Integ*	Total	Total	Integ*	Total	Total	Integ*	Total	Total	Integ*	Total	Total	Integ*	Total	Total	Integ*	Total	Total	Integ*	
		Capacity MBtuh	Integ*		Capacity MBtuh	Integ*		Capacity MBtuh	Integ*		Capacity MBtuh	Integ*		Capacity MBtuh	Integ*		Capacity MBtuh	Integ*		Capacity MBtuh	Integ*		Capacity MBtuh	Integ*	Capacity MBtuh
65	875	11.46	10.54	1.88	14.39	13.22	1.96	17.50	15.96	2.04	20.88	18.54	2.12	24.62	22.40	2.24	28.18	26.18	2.31	31.36	31.36	2.41	34.55	34.55	2.51
	1000	11.63	10.70	1.89	14.57	13.39	1.96	17.70	16.14	2.02	21.11	18.75	2.10	24.86	22.62	2.20	28.01	26.01	2.25	30.96	30.96	2.33	33.74	33.74	2.41
	1125	11.78	10.84	1.90	14.73	13.53	1.96	17.87	16.29	2.02	21.31	18.93	2.09	25.03	22.77	2.16	27.80	27.80	2.22	30.49	30.49	2.28	31.91	31.91	2.32
70	875	11.09	10.21	1.97	14.07	12.93	2.05	17.22	15.70	2.14	20.57	18.27	2.23	24.29	22.10	2.35	28.09	28.09	2.44	31.34	31.34	2.54	34.61	34.61	2.66
	1000	11.27	10.37	1.98	14.26	13.10	2.05	17.41	15.88	2.13	20.80	18.47	2.21	24.56	22.35	2.31	28.00	28.00	2.38	31.04	31.04	2.47	33.98	33.98	2.56
	1125	11.43	10.51	1.99	14.42	13.25	2.06	17.59	16.04	2.12	21.00	18.65	2.19	24.77	22.54	2.29	27.87	27.87	2.34	30.68	30.68	2.42	32.94	32.94	2.48
75	875	10.71	9.86	2.05	13.73	12.62	2.15	16.91	15.42	2.25	20.29	18.02	2.34	23.95	21.79	2.47	27.90	27.90	2.58	31.28	31.28	2.69	34.62	34.62	2.81
	1000	10.89	10.02	2.06	13.92	12.80	2.15	17.12	15.61	2.23	20.51	18.22	2.32	24.23	22.05	2.43	28.00	28.00	2.51	31.05	31.05	2.60	34.11	34.11	2.70
	1125	11.05	10.17	2.07	14.09	12.94	2.15	17.30	15.77	2.23	20.70	18.39	2.30	24.46	22.26	2.41	27.94	27.94	2.47	30.78	30.78	2.55	33.54	33.54	2.63

25HBR331A Outdoor Section With FC4DN(FB)030 Indoor Section

Heating Indoor Model	Capacity	Power	Furnace Model
*FC4DNF030	1.00	1.00	
FC4DN(FB)036	0.98	1.00	
FK4DN(B,F)003	0.97	0.97	
FK4DN(B,F)005	0.84	0.88	
FK4DNF001	1.00	1.02	
FK4DNF002	1.00	0.98	
CAR**3014A**	0.99	1.01	58CV(A,X)070-12
CAR**3614A**	0.98	1.00	58CV(A,X)070-12
CNRH**3017A**	0.99	1.00	58CV(A,X)070-12
CNRH**3617A**	0.99	1.00	58CV(A,X)070-12
CSRH**3012A**	0.99	1.01	58CV(A,X)070-12
CSRH**3612A**	0.96	0.97	58CV(A,X)070-12
CAR**3017A**	0.99	1.00	58CV(A,X)090-16
CAR**3617A**	0.98	0.99	58CV(A,X)090-16
CNRH**3017A**	0.99	1.00	58CV(A,X)090-16
CNRH**3617A**	0.99	1.00	58CV(A,X)090-16
CNRV**3017A**	0.99	1.00	58CV(A,X)090-16
CNRV**3617A**	0.99	1.00	58CV(A,X)090-16
CSRH**3012A**	0.98	0.99	58CV(A,X)090-16
CSRH**3612A**	0.96	0.98	58CV(A,X)090-16
CAR**3017A**	0.98	0.96	58CV(A,X)090-16
CAR**3617A**	0.98	0.98	58CV(A,X)110-20
CNRH**3017A**	0.99	1.00	58CV(A,X)110-20
CNRH**3617A**	0.99	1.00	58CV(A,X)110-20
CNRV**3621A**	0.99	0.99	58CV(A,X)110-20
CSRH**3012A**	0.98	0.99	58CV(A,X)110-20
CSRH**3612A**	0.96	0.95	58CV(A,X)110-20
CNRH**3017A**	0.99	0.99	58CV(A,X)135-22
CNRH**3617A**	0.99	0.99	58CV(A,X)135-22
CSRH**3012A**	0.98	0.99	58CV(A,X)135-22
CSRH**3612A**	0.96	0.95	58CV(A,X)135-22
CAR**3017A**	0.98	0.98	58CV(A,X)155-22
CAR**3617A**	0.98	0.99	58CV(A,X)155-22
CNRH**3017A**	0.99	1.01	58MB040-14
CNRH**3617A**	0.99	1.01	58MB040-14
CSRH**3012A**	0.96	0.97	58MB040-14
CSRH**3612A**	0.99	1.00	58MB040-14
CAR**3017A**	0.98	0.99	58MB090-16
CAR**3617A**	0.98	0.99	58MB090-16

Heating Indoor Model	Capacity	Power	Furnace Model
CNRH**3017A**	0.99	1.00	58MB090-14
CNRH**3617A**	0.99	1.00	58MB090-14
CNRV**3017A**	0.99	1.00	58MB090-14
CNRV**3617A**	0.99	1.00	58MB090-14
CSRH**3012A**	0.99	1.01	58MB090-14
CSRH**3612A**	0.99	1.01	58MB090-14
CAR**3612A**	0.96	0.97	58MB090-14
CAR**3621A**	0.98	0.99	58MB090-14
CNRH**3017A**	0.99	1.00	58MB090-14
CNRH**3617A**	0.99	1.00	58MB090-14
CNRV**3621A**	0.99	1.00	58MB090-14
CSRH**3012A**	0.98	0.97	58MB090-14
CSRH**3612A**	0.96	0.97	58MB090-14
CAR**3621A**	0.98	0.99	58MB090-20
CNRH**3017A**	0.99	1.00	58MB090-20
CNRH**3617A**	0.99	1.00	58MB090-20
CNRV**3621A**	0.99	1.00	58MB090-20
CSRH**3012A**	0.98	1.00	58MB090-20
CSRH**3612A**	0.96	0.97	58MB090-20
CAR**3621A**	0.98	0.99	58MB100-20
CNRH**3017A**	0.99	1.00	58MB100-20
CNRH**3617A**	0.99	1.00	58MB100-20
CNRV**3621A**	0.99	1.00	58MB100-20
CSRH**3012A**	0.98	0.99	58MB100-20
CSRH**3612A**	0.96	0.97	58MB100-20
CAR**3621A**	0.98	0.99	58MB120-20
CNRH**3017A**	0.99	1.00	58MB120-20
CNRH**3617A**	0.99	1.00	58MB120-20
CNRV**3621A**	0.99	1.00	58MB120-20
CSRH**3012A**	0.98	1.00	58MB120-20
CSRH**3612A**	0.96	0.97	58MB120-20
CAR**3017A**	0.98	1.00	58UVB090-14
CAR**3617A**	0.98	0.99	58UVB090-14
CNRV**3017A**	0.99	1.00	58UVB090-14
CNRV**3617A**	0.99	1.00	58UVB090-14
CSRH**3012A**	0.98	0.99	58UVB090-20
CSRH**3612A**	0.96	0.99	58UVB090-20
CAR**3621A**	0.98	1.01	58PH*070-16
CAR**3617A**	0.98	0.99	58PH*070-16

Heating Indoor Model	Capacity	Power	Furnace Model
CSRH**3612A**	0.96	0.97	58PH*070-16
CAR**3621A**	0.97	0.97	58PH*090-16
CNRH**3017A**	0.99	0.99	58PH*090-16
CNRH**3617A**	0.99	0.99	58PH*090-16
CNRV**3621A**	0.99	0.99	58PH*090-16
CSRH**3612A**	0.96	0.95	58PH*090-16

See notes on pg. 34

HEAT PUMP HEATING PERFORMANCE - CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C)																							
		-3 (-19.4)			7 (-13.9)			17 (-8.3)			27 (-2.8)			37 (2.9)			47 (8.3)			57 (13.9)			67 (19.4)		
		Capacity MBtuh		Total System KWh†	Capacity MBtuh		Total System KWh†	Capacity MBtuh		Total System KWh†	Capacity MBtuh		Total System KWh†	Capacity MBtuh		Total System KWh†	Capacity MBtuh		Total System KWh†	Capacity MBtuh		Total System KWh†	Capacity MBtuh		Total System KWh†
EDB	CFM	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*		
		Capacity MBtuh	Total System KWh†	Capacity MBtuh	Total System KWh†	Capacity MBtuh	Total System KWh†	Capacity MBtuh	Total System KWh†	Capacity MBtuh	Total System KWh†	Capacity MBtuh	Total System KWh†	Capacity MBtuh	Total System KWh†	Capacity MBtuh	Total System KWh†	Capacity MBtuh	Total System KWh†	Capacity MBtuh	Total System KWh†	Capacity MBtuh	Total System KWh†		
25HBR336A Outdoor Section With FC4DN(FB)036 Indoor Section																									
65	1050	15.24	14.02	2.26	18.79	17.27	2.36	22.78	20.77	2.48	27.24	24.19	2.64	31.58	28.74	2.77	34.86	34.86	2.90	37.45	37.45	3.00	37.82	37.82	3.00
	1200	15.43	14.19	2.27	19.01	17.47	2.36	23.03	21.00	2.47	27.54	24.46	2.63	31.12	28.32	2.72	34.10	34.10	2.83	34.64	34.64	2.84	34.66	34.66	2.84
	1350	15.58	14.34	2.28	19.20	17.65	2.37	23.25	21.20	2.48	27.70	24.61	2.61	30.73	27.97	2.70	32.56	32.56	2.76	32.53	32.53	2.75	32.30	32.30	2.74
	1050	14.91	13.71	2.35	18.48	16.98	2.46	22.45	20.47	2.59	26.88	23.87	2.76	31.59	28.75	2.81	35.04	35.04	3.04	38.56	38.56	3.19	39.22	39.22	3.21
70	1200	15.11	13.90	2.36	18.69	17.17	2.46	22.70	20.69	2.58	27.15	24.11	2.74	31.31	28.49	2.86	34.40	34.40	2.98	36.00	36.00	3.03	36.28	36.28	3.04
	1350	15.28	14.06	2.38	18.87	17.34	2.47	22.91	20.89	2.58	27.40	24.34	2.74	30.96	28.17	2.83	33.78	33.78	2.93	34.02	34.02	2.94	34.05	34.05	2.93
	1050	14.56	13.39	2.45	18.17	16.70	2.57	22.10	20.15	2.70	26.51	23.54	2.88	31.35	28.53	3.06	35.12	35.12	3.20	38.80	38.80	3.36	40.54	40.54	3.43
	1200	14.76	13.58	2.48	18.37	16.88	2.57	22.34	20.37	2.69	26.79	23.79	2.86	31.40	28.57	3.00	34.62	34.62	3.13	37.29	37.29	3.24	37.68	37.68	3.24
75	1350	14.94	13.74	2.48	18.56	17.06	2.58	22.57	20.57	2.69	27.02	23.99	2.85	31.15	28.35	2.97	34.11	34.11	3.08	35.29	35.29	3.13	35.52	35.52	3.13

Heating Indoor Model	Capacity	Power	Furnace Model
*FC4DN(FB)036	1.00	1.00	
FA4CN(FC)036	1.01	1.05	
FA4CN(FC)042	0.88	0.97	
FC4DN(FB)042	0.88	0.93	
FK4DN(FB)003	1.01	0.99	
FK4DNF002	1.05	1.00	
CNRH**4221A**	1.00	0.98	58CV(A,X)070-12
CSRH**3612A**	0.98	0.97	58CV(A,X)070-12
CSRH**4212A**	0.94	0.94	58CV(A,X)070-12
CAR**3617A**	1.02	1.01	58CV(A,X)090-16
CNRH**4221A**	1.02	1.02	58CV(A,X)090-16
CNRV**3617A**	0.99	0.96	58CV(A,X)090-16
CSRH**4212A**	1.02	1.02	58CV(A,X)090-16
CAR**3617A**	0.98	0.96	58CV(A,X)090-16
CSRH**4212A**	0.93	0.92	58CV(A,X)110-20
CAR**3621A**	1.01	1.00	58CV(A,X)110-20
CAR**4221A**	0.99	0.97	58CV(A,X)110-20
CNRH**3617A**	1.02	1.02	58CV(A,X)110-20
CNRH**4221A**	0.99	0.96	58CV(A,X)110-20
CNRV**3621A**	1.02	1.01	58CV(A,X)110-20
CNRV**4221A**	0.96	0.96	58CV(A,X)110-20
CSRH**3612A**	0.97	0.95	58CV(A,X)110-20
CSRH**4212A**	0.92	0.92	58CV(A,X)110-20
CAR**4224A**	0.99	0.97	58CV(A,X)135-22
CNRH**3617A**	1.02	1.01	58CV(A,X)135-22
CNRH**4221A**	0.99	0.96	58CV(A,X)135-22
CSRH**3612A**	0.97	0.95	58CV(A,X)135-22
CSRH**4212A**	0.93	0.92	58CV(A,X)135-22
CAR**4224A**	0.99	0.96	58CV(A,X)155-22
CNRH**3617A**	1.02	1.01	58CV(A,X)155-22
CNRH**4221A**	0.99	0.95	58CV(A,X)155-22
CSRH**3612A**	0.97	0.94	58CV(A,X)155-22
CSRH**4212A**	0.92	0.91	58CV(A,X)155-22
CAR**4224A**	1.01	1.00	58WB040-14
CNRH**4221A**	1.00	0.98	58WB040-14
CSRH**3612A**	0.98	0.98	58WB040-14
CSRH**4212A**	0.94	0.95	58WB040-14
CAR**3617A**	1.02	1.01	58WB060-14
CNRH**3617A**	1.03	1.03	58WB060-14
CNRH**4221A**	1.00	0.97	58WB060-14
CNRV**3617A**	1.03	1.03	58WB060-14

Heating Indoor Model	Capacity	Power	Furnace Model
CSRH**3612A**	0.98	0.96	58WB060-14
CSRH**4212A**	0.94	0.93	58WB060-14
CAR**4221A**	1.01	1.00	58WB060-14
CNRV**4221A**	1.00	0.98	58WB060-14
CNRV**4221A**	1.00	0.98	58WB060-14
CSRH**3612A**	0.98	0.98	58WB060-14
CSRH**4212A**	0.94	0.95	58WB060-14
CAR**4221A**	1.00	0.99	58WB060-20
CNRH**4221A**	1.00	0.98	58WB060-20
CNRV**3621A**	1.03	1.03	58WB060-20
CNRV**4221A**	1.00	0.98	58WB060-20
CSRH**3612A**	0.98	0.96	58WB060-20
CSRH**4212A**	0.94	0.94	58WB060-20
CAR**3621A**	1.02	1.01	58WB100-20
CAR**4221A**	1.00	0.98	58WB100-20
CNRH**3617A**	1.03	1.03	58WB100-20
CNRH**4221A**	1.00	0.97	58WB100-20
CNRV**3621A**	1.03	1.02	58WB100-20
CNRV**4221A**	1.00	0.97	58WB100-20
CSRH**3612A**	0.98	0.96	58WB100-20
CSRH**4212A**	0.93	0.93	58WB100-20
CAR**4224A**	1.00	0.98	58WB120-20
CNRH**3617A**	1.03	1.02	58WB120-20
CNRH**4221A**	1.00	0.97	58WB120-20
CSRH**3612A**	0.98	0.96	58WB120-20
CSRH**4212A**	0.94	0.93	58WB120-20
CAR**3617A**	1.02	1.01	58WB060-14
CAR**4221A**	1.03	1.03	58WB060-14
CNRV**3621A**	1.01	1.00	58WB060-14
CNRV**4221A**	1.00	0.98	58WB060-14
CAR**4221A**	1.00	0.99	58WB060-20
CNRV**3621A**	1.03	1.03	58WB060-20
CNRV**4221A**	1.00	0.98	58WB060-20
CSRH**3612A**	1.02	1.01	58WB060-14
CSRH**4212A**	1.03	1.03	58WB060-14
CAR**3621A**	1.02	1.01	58WB100-20
CAR**4221A**	1.00	0.98	58WB100-20
CNRV**3621A**	1.03	1.02	58WB100-20
CNRV**4221A**	1.00	0.97	58WB100-20
CSRH**3612A**	0.97	0.97	58WB100-20
CSRH**4212A**	1.01	0.99	58WB100-20
CAR**3621A**	1.01	0.99	58WB100-16
CAR**4221A**	1.01	0.99	58WB100-16
CNRV**3621A**	0.98	0.96	58PH*090-16
CNRV**4221A**	0.98	0.96	58PH*090-16

Heating Indoor Model	Capacity	Power	Furnace Model
CNRH**3617A**	1.02	1.01	58PH*090-16
CNRH**4221A**	0.99	0.97	58PH*090-16
CNRV**3621A**	1.02	1.01	58PH*090-16
CNRV**4221A**	0.99	0.97	58PH*090-16
CAR**3621A**	1.00	0.98	58PH*110-20
CAR**4221A**	0.98	0.95	58PH*110-20
CNRH**3617A**	1.02	1.00	58PH*110-20
CNRH**4221A**	0.99	0.96	58PH*110-20
CNRV**3621A**	1.02	1.00	58PH*110-20
CNRV**4221A**	0.99	0.96	58PH*110-20

See notes on pg. 34

HEAT PUMP HEATING PERFORMANCE - CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C)																															
EDB	CFM	-3 (-19.4)				7 (-13.9)				17 (-8.3)				27 (-2.8)				37 (2.8)				47 (8.3)				57 (13.9)				67 (19.4)			
		Capacity MBtuh		Total System KWh	Capacity MBtuh		Total System KWh	Capacity MBtuh		Total System KWh	Capacity MBtuh		Total System KWh	Capacity MBtuh		Total System KWh	Capacity MBtuh		Total System KWh	Capacity MBtuh		Total System KWh	Capacity MBtuh		Total System KWh	Capacity MBtuh		Total System KWh					
		Total	Integ*			Total	Integ*			Total	Integ*			Total	Integ*			Total	Integ*			Total	Integ*			Total	Integ*			Total	Integ*		
65	1225	17.49	16.09	2.63	21.65	19.89	2.74	26.12	23.81	2.85	31.14	27.66	2.99	36.82	33.51	3.15	41.47	41.47	3.26	3.40	45.93	45.93	3.40	48.13	48.13	3.46	43.84	43.84	3.28	44.29	44.29	3.28	
	1400	17.73	16.31	2.65	21.90	20.12	2.75	26.39	24.06	2.85	31.49	27.96	2.98	36.92	33.60	3.10	40.80	40.80	3.20	3.28	43.84	43.84	3.28	44.29	44.29	3.28	43.84	43.84	3.28	44.29	44.29	3.28	
	1575	17.96	16.52	2.68	22.13	20.34	2.77	26.66	24.30	2.86	31.79	28.23	2.99	36.64	33.34	3.08	40.27	40.27	3.17	3.19	41.14	41.14	3.19	40.99	40.99	3.18	41.14	41.14	3.19	40.99	40.99	3.18	
70	1225	17.09	15.72	2.73	21.32	19.59	2.86	25.80	23.52	2.98	30.74	27.30	3.13	36.38	33.10	3.31	41.50	41.50	3.42	3.48	46.00	46.00	3.57	49.37	49.37	3.68	46.00	46.00	3.57	49.37	49.37	3.68	
	1400	17.34	15.95	2.76	21.57	19.82	2.87	26.07	23.77	2.98	31.08	27.60	3.11	36.78	33.47	3.26	41.00	41.00	3.36	3.48	45.15	45.15	3.48	45.89	45.89	3.49	45.15	45.15	3.48	45.89	45.89	3.49	
	1575	17.56	16.16	2.78	21.80	20.04	2.89	26.32	24.00	2.99	31.37	27.86	3.11	36.83	33.51	3.23	40.45	40.45	3.32	3.38	42.73	42.73	3.38	43.06	43.06	3.38	42.73	42.73	3.38	43.06	43.06	3.38	
75	1225	16.64	15.31	2.84	20.95	19.26	2.98	25.48	23.23	3.12	30.36	26.96	3.27	35.93	32.69	3.45	41.45	41.45	3.59	3.59	45.94	45.94	3.74	50.43	50.43	3.90	45.94	45.94	3.74	50.43	50.43	3.90	
	1400	16.90	15.55	2.86	21.23	19.51	2.99	25.75	23.48	3.11	30.68	27.25	3.25	36.32	33.05	3.42	41.09	41.09	3.53	3.66	45.41	45.41	3.66	47.26	47.26	3.71	45.41	45.41	3.66	47.26	47.26	3.71	
	1575	17.14	15.77	2.89	21.46	19.72	3.01	26.00	23.70	3.12	30.97	27.50	3.25	36.64	33.34	3.39	40.67	40.67	3.49	3.49	44.03	44.03	3.58	44.55	44.55	3.59	44.03	44.03	3.58	44.55	44.55	3.59	

25HBR342A Outdoor Section With FC4DN(FB)042 Indoor Section

Heating Indoor Model	Capacity	Power	Furnace Model
CAR**4817A**	0.96	0.98	58UVB060-14
CAR**4821A**	0.99	1.01	58UVB080-14
CNRV**4221A**	1.02	1.04	58UVB080-14
CNRV**4821A**	1.01	1.02	58UVB080-14
CAR**4421A**	1.02	1.04	58UVB080-20
CAR**4821A**	0.98	0.99	58UVB080-20
CNRV**4221A**	1.02	1.03	58UVB080-20
CNRV**4821A**	1.00	1.00	58UVB080-20
CAR**4421A**	1.02	1.04	58UVB100-20
CAR**4821A**	0.98	0.98	58UVB100-20
CNRV**4221A**	1.02	1.02	58UVB100-20
CNRV**4821A**	1.00	0.99	58UVB100-20
CAR**4422A**	1.02	1.04	58UVB120-20
CAR**4824A**	0.98	0.98	58UVB120-20
CNRV**4824A**	1.00	0.99	58UVB120-20
CAR**4421A**	1.02	1.02	58PH*090-16
CAR**4821A**	0.98	0.97	58PH*090-16
CNRH*4221A**	1.02	1.02	58PH*090-16
CNRH*4821A**	0.99	0.97	58PH*090-16
CNRV**4221A**	1.02	1.02	58PH*090-16
CNRV**4821A**	1.00	0.98	58PH*090-16
CSRH*4212A**	1.00	0.98	58PH*090-16
CSRH*4812A**	0.99	0.97	58PH*090-16
CAR**4421A**	1.01	1.00	58PH*110-20
CAR**4821A**	0.96	0.95	58PH*110-20
CNRH*4221A**	1.02	1.02	58PH*110-20
CNRH*4821A**	0.99	0.96	58PH*110-20
CNRV**4221A**	1.02	1.02	58PH*110-20
CNRV**4821A**	0.99	0.96	58PH*110-20
CSRH*4212A**	1.00	0.97	58PH*110-20
CSRH*4812A**	0.99	0.96	58PH*110-20
CAR**4422A**	1.01	1.00	58PH*135-20
CAR**4482A**	0.98	0.97	58PH*135-20
CNRH*4221A**	1.02	1.03	58PH*135-20
CNRH*4821A**	0.99	0.96	58PH*135-20
CNRV**4824A**	0.99	0.98	58PH*135-20
CSRH*4212A**	1.00	0.98	58PH*135-20
CSRH*4812A**	0.99	0.97	58PH*135-20

HEAT PUMP HEATING PERFORMANCE - CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C)										47 (8.3)				57 (13.9)				67 (19.4)			
		-3 (-19.4)			7 (-13.9)			17 (-8.3)			27 (-2.8)			37 (2.8)			47 (13.9)			57 (19.4)			
EDB	CFM	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT
65		Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*
		1400	19.48	17.92	2.97	24.07	22.12	3.10	29.00	26.45	3.24	34.52	30.66	3.39	40.69	37.02	3.57	47.39	47.39	53.45	53.45	56.78	56.78
		1600	19.77	18.19	2.99	24.37	22.39	3.11	29.34	26.75	3.23	34.93	31.02	3.37	41.16	37.46	3.53	46.98	46.98	51.54	51.54	51.49	51.49
70		1800	20.03	18.42	3.02	24.63	22.63	3.13	29.63	27.02	3.24	35.25	31.31	3.37	41.43	37.70	3.49	46.41	46.41	47.80	47.80	46.57	46.57
		1400	19.02	17.50	3.09	23.67	21.75	3.24	28.62	26.09	3.39	34.08	30.27	3.55	40.20	36.59	3.74	47.03	47.03	53.37	53.37	58.26	58.26
		1600	19.31	17.77	3.11	23.97	22.03	3.25	28.93	26.38	3.38	34.46	30.80	3.53	40.65	36.99	3.70	47.00	47.00	52.63	52.63	53.44	53.44
75		1800	19.56	18.00	3.14	24.24	22.28	3.27	29.21	26.63	3.39	34.79	30.90	3.53	41.00	37.31	3.68	46.54	46.54	49.66	49.66	49.53	49.53
		1400	18.48	17.00	3.21	23.22	21.34	3.38	28.22	25.73	3.55	33.63	29.87	3.72	39.72	36.14	3.92	46.45	46.45	53.18	53.18	59.10	59.10
		1600	18.78	17.28	3.23	23.53	21.63	3.39	28.55	26.03	3.54	34.01	30.21	3.70	40.15	36.54	3.88	46.87	46.87	52.65	52.65	55.06	55.06
		1800	19.05	17.53	3.26	23.81	21.88	3.41	28.84	26.30	3.55	34.34	30.50	3.69	40.53	36.88	3.86	46.61	46.61	51.01	51.01	51.38	51.38

Heating Indoor Model	Capacity	Power	Furnace Model	Heating Indoor Model	Capacity	Power	Furnace Model
*FC4DN(FB)048	1.00	1.00		CNVR*4821A**	0.99	1.05	58MB/B100-20
FC4DN(FB)060	0.90	0.94		CSRH*4812A**	1.00	1.05	58MB/B100-20
FK4DN(FB)F005	0.98	0.99		CNVR*6012A**	0.98	1.00	58MB/B100-20
FK4DNB006	0.95	0.94		CAR**4824A**	0.99	1.05	58MB/B120-20
CSRH*6012A**	0.95	1.00		CAR**6024A**	0.96	1.01	58MB/B120-20
CAR**4817A**	1.00	1.04	58CV(A,X)090-16	CNVR*4821A**	0.99	1.05	58MB/B120-20
CNVR*4821A**	0.99	1.04	58CV(A,X)090-16	CNVR*6024A**	0.99	1.05	58MB/B120-20
CNVR*6024A**	0.99	1.02	58CV(A,X)090-16	CSRH*4812A**	1.00	1.05	58MB/B120-20
CSRH*4812A**	1.00	1.05	58CV(A,X)090-16	CAR**4821A**	0.99	1.03	58MB/B120-20
CAR**4821A**	0.98	1.04	58CV(A,X)110-20	CSRH*6012A**	0.98	1.00	58MB/B120-20
CNVR*4821A**	0.99	1.04	58CV(A,X)110-20	CAR**6021A**	0.96	1.01	58MB/B120-20
CNVR*6021A**	0.95	0.99	58CV(A,X)110-20	CAR**4821A**	1.00	1.06	58MB/B100-20
CNVR*4821A**	0.98	1.01	58CV(A,X)110-20	CAR**6021A**	0.96	1.01	58MB/B100-20
CNVR*6021A**	0.99	1.04	58CV(A,X)110-20	CNVR*4821A**	0.99	1.05	58MB/B100-20
CSRH*4812A**	1.00	1.04	58CV(A,X)110-20	CAR**4824A**	0.99	1.05	58MB/B120-20
CSRH*6012A**	0.98	1.00	58CV(A,X)110-20	CAR**6024A**	0.96	1.01	58MB/B120-20
CAR**4824A**	0.99	1.03	58CV(A,X)135-22	CNVR*4824A**	0.99	1.05	58MB/B120-20
CAR**6024A**	0.95	0.99	58CV(A,X)135-22	CNVR*6024A**	0.99	1.03	58MB/B120-20
CNVR*4821A**	0.99	1.03	58CV(A,X)135-22	CAR**4821A**	1.00	1.04	58PH*090-16
CNVR*6024A**	0.98	1.00	58CV(A,X)135-22	CNVR*4821A**	1.00	1.04	58PH*090-16
CNVR*4824A**	0.98	1.03	58CV(A,X)135-22	CNVR*6024A**	0.98	1.01	58PH*090-16
CNVR*6024A**	0.98	1.00	58CV(A,X)135-22	CNVR*4821A**	1.00	1.04	58PH*090-16
CSRH*4812A**	0.99	1.02	58CV(A,X)135-22	CSRH*4812A**	1.00	1.04	58PH*090-16
CSRH*6012A**	0.98	0.99	58CV(A,X)135-22	CSRH*6012A**	0.98	0.99	58PH*090-16
CAR**4824A**	0.99	1.02	58CV(A,X)155-22	CAR**4821A**	0.99	1.03	58PH*110-20
CAR**6024A**	0.94	0.97	58CV(A,X)155-22	CNVR*4821A**	0.99	1.02	58PH*110-20
CNVR*4821A**	0.99	1.02	58CV(A,X)155-22	CNVR*6024A**	0.98	1.00	58PH*110-20
CNVR*6021A**	0.98	0.99	58CV(A,X)155-22	CNVR*4821A**	0.99	1.02	58PH*110-20
CNVR*4824A**	0.99	1.02	58CV(A,X)155-22	CSRH*4812A**	0.99	1.02	58PH*110-20
CNVR*6024A**	0.98	0.99	58CV(A,X)155-22	CSRH*6012A**	0.98	0.98	58PH*110-20
CSRH*4812A**	0.99	1.02	58CV(A,X)155-22	CAR**4824A**	0.99	1.03	58PH*135-20
CSRH*6012A**	0.98	0.98	58CV(A,X)155-22	CNVR*4821A**	0.99	1.03	58PH*135-20
CAR**4817A**	0.96	1.01	58MB/B080-20	CNVR*6024A**	0.98	1.00	58PH*135-20
CNVR*6024A**	0.99	1.03	58MB/B080-20	CNVR*4824A**	0.99	1.03	58PH*135-20
CSRH*4812A**	1.00	1.05	58MB/B080-20	CNVR*6012A**	0.98	1.00	58PH*135-20
CSRH*6012A**	0.99	1.02	58MB/B080-20	CSRH*4812A**	1.00	1.04	58PH*135-20
CAR**4821A**	1.00	1.06	58MB/B100-20	CSRH*6012A**	0.98	0.99	58PH*135-20
CAR**6021A**	0.96	1.01	58MB/B100-20				
CNVR*4821A**	0.99	1.05	58MB/B100-20				
CNVR*6024A**	0.99	1.03	58MB/B100-20				

See notes on pg. 34

HEAT PUMP HEATING PERFORMANCE - CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																
CFM	EWB °F (°C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)		125 (51.7)						
		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh						
		Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†					
25HBR360(A,G)33 Outdoor Section With FC4DNF060 Indoor Section																		
1750	72 (22.2)	65.33	34.20	4.14	62.96	33.29	4.57	60.55	32.37	58.02	31.41	5.60	55.36	30.42	6.19	52.57	29.39	6.83
	67 (19.4)	59.64	42.73	4.09	57.44	41.78	4.52	55.16	40.82	52.81	39.83	5.54	50.33	38.80	6.12	47.74	37.73	6.76
	63 (17.2)	55.45	41.28	4.05	53.38	40.33	4.48	51.23	39.36	49.00	38.36	5.49	46.67	37.31	6.07	44.22	36.22	6.70
	62 (16.7)	54.50	51.11	4.04	52.50	50.09	4.47	50.45	49.02	48.34	47.86	5.49	46.25	46.25	6.07	44.26	44.26	6.70
	57 (13.9)	53.24	53.24	4.03	51.61	51.61	4.46	49.91	49.91	48.13	48.13	5.48	46.25	46.25	6.07	44.27	44.27	6.70
2000	72 (22.2)	66.39	35.82	4.23	63.94	34.90	4.66	61.44	33.97	58.82	33.01	5.69	56.08	32.01	6.28	53.21	30.96	6.82
	67 (19.4)	60.63	45.43	4.17	58.36	44.47	4.61	56.00	43.50	53.57	42.49	5.63	51.02	41.44	6.21	48.35	40.34	6.85
	63 (17.2)	56.44	43.83	4.13	54.29	42.86	4.57	52.06	41.87	49.76	40.84	5.58	47.35	39.78	6.16	44.84	38.66	6.79
	62 (16.7)	55.69	54.60	4.13	53.68	53.28	4.56	51.72	51.72	49.84	49.84	5.58	47.86	47.86	6.17	45.78	45.78	6.81
	57 (13.9)	55.26	55.26	4.12	53.53	53.53	4.56	51.73	51.73	49.85	49.85	5.58	47.87	47.87	6.17	45.78	45.78	6.81
2250	72 (22.2)	67.17	37.37	4.31	64.65	36.44	4.75	62.08	35.50	59.40	34.53	5.77	56.60	33.52	6.36	53.65	32.47	7.00
	67 (19.4)	61.37	48.01	4.26	59.03	47.04	4.69	56.62	46.05	54.13	45.02	5.71	51.53	43.95	6.30	48.80	42.82	6.93
	63 (17.2)	57.17	46.25	4.22	54.96	45.27	4.65	52.68	44.25	50.32	43.20	5.66	47.86	42.11	6.25	45.30	40.95	6.88
	62 (16.7)	56.94	56.94	4.22	55.12	55.12	4.65	53.23	53.23	51.26	51.26	5.68	49.18	49.18	6.27	46.99	46.99	6.91
	57 (13.9)	56.94	56.94	4.22	55.12	55.12	4.65	53.24	53.24	51.26	51.26	5.68	49.19	49.19	6.27	47.00	47.00	6.91
Heating Indoor Model		Capacity		Power		Furnace Model												
*FC4DNF(B)060		1.00		1.00														
FK4DNB006		1.00		1.00														
CNRH*6024A**		1.02		1.05		58CV(A,X)135-22												
CNRV*6024A**		1.02		1.05		58CV(A,X)135-22												
CSRH*6012A**		1.02		1.03		58CV(A,X)135-22												
CAR**6024A**		0.99		1.02		58CV(A,X)155-22												
CNRH*6024A**		1.01		1.03		58CV(A,X)155-22												
CNRV*6024A**		1.01		1.03		58CV(A,X)155-22												
CSRH*6012A**		1.01		1.01		58CV(A,X)155-22												
CAR**6021A**		0.98		1.02		58PH*110-20												
CNRH*6024A**		1.02		1.05		58PH*110-20												
CSRH*6012A**		1.02		1.03		58PH*110-20												
CSRH*6012A**		1.02		1.03		58PH*135-20												

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

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

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

EDB — Entering Dry Bulb

GUIDE SPECIFICATIONS

GENERAL

System Description

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

Quality Assurance

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

Delivery, Storage, and Handling

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

Warranty (for inclusion by specifying engineer)

- U.S. and Canada only.

PRODUCTS

Equipment

- Factory assembled, single piece, air-cooled heat pump unit. Contained within the unit enclosure is all factory wiring, piping, controls, compressor, refrigerant charge (R-22), 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.

AIR-COOLED, SPLIT-SYSTEM HEAT PUMP 25HBR3

1-1/2 TO 5 NOMINAL TONS

- Condenser fan motors will be totally enclosed, 1-phase type with class B insulation and permanently lubricated bearings.
- Shafts will be corrosion resistant.
- Fan blades will be statically and dynamically balanced.
- Condenser fan openings will be equipped with 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 refrigerant, compressor oil, accumulator, loss of charge switch, and reversing valve.

Operating Characteristics

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