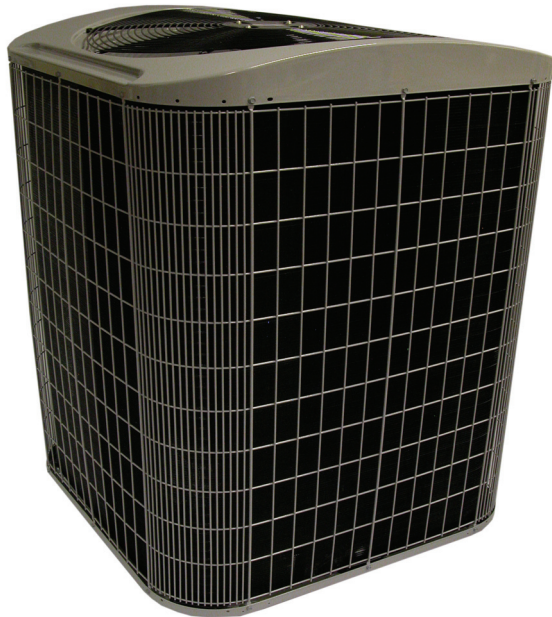


24ABR3
Base™ 13 Series Air Conditioner
1 & 3 Phase
1 – 1/2 to 5 Nominal Tons (Sizes 18 to 60)



Turn to the Experts.™

Product Data



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

NOTE: Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory (www.ahridirectory.org) for the most up-to-date ratings information.

INDUSTRY LEADING FEATURES / BENEFITS

Efficiency

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

Sound

- Sound level as low as 76 dBA
- As low as 74 dBA with optional accessory sound hood

Comfort

- System supports Thermidistat™ or standard thermostat controls

Reliability

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

Durability

WeatherArmor™ protection package:

- Solid, durable sheet metal construction
- Wire coil guard
- Baked-on, complete outer coverage, 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. (18.28 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

1	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	4	A	B	R	3	3	6	A	0	0	3	0
Product Series	Product Family	Tier	Major Series	SEER	Cooling Capacity	Variations	Open	Open	Open	Voltage	Series	
24=AC	A=RES AC	B=Base	R=R-22	3=13 SEER		A=Standard G=Dense Coil Guard	0=Not Defined	0=Not Defined	0=Not Defined	3=208/230-1 5=208/230-3 6=460/3 1 = 575/3	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	36	42	48	60
Maximum SEER	14.5	14.25	14.5	14	14	14	13.5
Scroll Compressor	X	X	X	X	X	X	X
Wire Coil Guard	X	X	X	X	X	X	X
Field – Installed Filter Drier	X	X	X	X	X	X	X
Front – Seating Service Valves	X	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X	X
Long – Line capability	X	X	X	X	X	X	X
Low Ambient capability with Kit	X	X	X	X	X	X	X

X = Standard

PHYSICAL DATA

UNIT SIZE SERIES	18-32	24-33	30-33, 30-53	36-33, 36-53, 36-63, 36-12	42-31, 42-51, 42-61, 42-11	48-32, 48-52, 48-62, 48-11	60-36, 60-56, 60-66, 60-12
Operating Weight lb (kg)	120 (326.6)	120 (54.4)	130 (60.0)	139 (63.0)	192 (87.1)	206 (87.1)	222 (100.1)
Shipping Weight lb (kg)	154 (69.9)	156 (70.8)	170 (77.1)	177 (80.3)	220 (99.8)	242 (109.8)	265 (120.2)
Compressor Type	Scroll						
REFRIGERANT	Freon® (R-22)						
Control	TXV (R-22 Hard Shutoff)						
Charge lb (kg)	3.9 (1.8)	4.5 (2.0)	4.9 (2.2)	5.4 (2.4)	7.15 (3.2)	7.73 (3.5)	9.2 (4.2)
COND FAN	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	1880	2200	2730	3170	3155	4050	4050
Motor HP	1/12	1/10	1/5	1/5	1/4	1/4	1/4
Motor RPM	1100	1100	1100	1100	1100	800	800
COND COIL							
Face Area (Sq ft)	9.85	9.85	11.49	12.93	21.56	22.63	25.15
Fins per In.	20	20	25	25	25	25	25
Rows	1	1	1	1	1	1	1
Circuits	3	3	4	4	5	6	8
VALVE CONNECT. (In. ID)							
Vapor	3/4	3/4	3/4	7/8	7/8	7/8	7/8
Liquid	3/8"						
REFRIGERANT TUBES (In. OD)							
Rated Vapor*	3/4	3/4	3/4	7/8	7/8	7/8	1-1/8
Liquid	3/8"						

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

Note: See unit Installation Instruction for proper installation.

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VAPOR LINE SIZING AND COOLING CAPACITY LOSS

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

separation is 200 ft. (60.96 m) when outdoor unit is above indoor unit, and 60 ft. (18.28 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 the 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)
18000 R-22 AC	3/8	5/8	1	1	2	2	3	4	4	5	6
		3/4	0	0	0	1	1	1	1	2	2
24000 R-22 AC	3/8	5/8	1	2	3	4	5	6	8	9	10
		3/4	0	0	1	1	2	2	3	3	3
		7/8	0	0	0	0	1	1	1	1	2
30000 R-22 AC	3/8	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
36000 R-22 AC	3/8	3/4	1	1	2	3	4	5	6	7	8
		7/8	0	0	1	1	2	2	3	3	4
42000 R-22 AC	3/8	3/4	1	2	3	4	5	7	8	9	10
		7/8	0	1	1	2	2	3	4	4	5
		1-1/8	0	0	0	0	0	0	1	1	1
48000 R-22 AC	3/8	3/4	1	2	4	5	7	8	10	11	13
		7/8	0	1	1	2	3	4	5	5	6
		1-1/8	0	0	0	0	0	0	1	1	1
60000 R-22 AC	3/8	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.

ACCESSORIES

ORDER NUMBER	DESCRIPTION	UNIT SIZE - VOLTAGE, SERIES															
		18-32	24-33	30-33	30-53	36-33	36-53	36-63	36-12	42-31	42-51	42-61	42-11	48-32	48-52	48-62	48-11
KAACH1201AAA	CRANKCASE HTR									X	X			X	X		
KAACH1301AAA	CRANKCASE HTR											X				X	
KAACH1401AAA	CRANKCASE HTR	X	X	X	X	X	X										
KAACH1501AAA	CRANKCASE HTR							X	X								
KSACV0101AAA	CYCLE PROTECTOR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KAFT0101AAA	FREEZE THERMOSTAT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSASH1501AAA	HARD START (CAP/RELAY)	X	X			X				X				X			
KSASH1701AAA	HARD START (CAP/RELAY)			X													
KSAM0301R22	HIGH PRESS SW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSALA0201R22	LOW AMBIENT PSW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KAALP0201R22	LOW PRESS SW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HC32GE234	MOTOR FAN BALL BEARING (230v)	X															
HC34GE239	MOTOR FAN BALL BEARING (230v)		X														
HC38GE219	MOTOR FAN BALL BEARING (230v)					X	X										
HC38GE227	MOTOR FAN BALL BEARING (230v)			X	X												
HC40GE226	MOTOR FAN BALL BEARING (230v)									X	X						
HC40GE228	MOTOR FAN BALL BEARING (230v)									X				X	X		
HC38GE462*	MOTOR FAN BALL BEARING (460v)						X										
HC40GE466	MOTOR FAN BALL BEARING (460v)											X					
HC40GE467	MOTOR FAN BALL BEARING (460v)																
KSALA0801AAA	MOTORMASTER 230V	X	X	X	X	X	X	X	X	X	X			X	X	X	X
KSALA0701AAA	MOTORMASTER 460V							X				X					
KAALS0101LLS	SOLENOID VALVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSASH0601COP	SOUND BLKT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSASH2101COP	SOUND BLKT																
KAACS0201PTC	START ASSIST PTC	X	X	X						X				X			
KSASF0101AAA	SUPPORT FEET	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KAATD0101TDR	TIME DELAY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSATX0601HSO	TXV	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KSATX0701HSO	TXV																
KSATX1001HSO	TXV																
KAAWS0101AAA	WINTER START	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

X = Accessory S = Standard

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

ACCESSORY THERMOSTATS

THERMOSTAT / SUBBASE PKG.	DESCRIPTION
TSTATCCPRH01-B	Thermidstat Control - Programmable / Non-Programmable Thermostat with Humidity control
TSTATCCPAC01-B	Thermostat - Auto Changeover, 7-Day Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool
TSTATCCNAC01-C	Thermostat - Auto Changeover, Non-Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool
TSTATCCBAC01-B	Builder's Thermostat - Manual Changeover, Non-Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool
TSTATCCSEN01-B	Outdoor Air Temperature Sensor
TSTATXXBBP01	Backplate for Builder's Thermostat
TSTATXXNBP01	Backplate for Non-Programmable Thermostat
TSTATXXBP01	Backplate for Programmable Thermostat
TSTATXXCNV10	Thermostat Conversion Kit (4 to 5 wires) - 10 Pack
TP-PRH-01	Programmable Thermidstat
TP-NRH-01	Non-programmable Thermidstat
TB-PAC-01	Base Series Programmable AC Stat
TB-NAC-01	Base Series Non-programmable AC Stat

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)
Ball Bearing Fan Motor	Yes†	No	No
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Hard Shut-Off TXV	Yes	Yes	Yes
Liquid Line Solenoid Valve	No	No	No
Motor Master® or Low-ambient Pressure Switch	Yes	No	No
Support Feet	Recommended	No	Recommended
Winter Start Control	Yes	No	No

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

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

Accessory Description and Usage (Listed Alphabetically)

1. Ball-Bearing Fan Motor

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

Usage Guideline:

Required on all units when using MotorMaster®

2. Compressor Start Assist - Capacitor and Relay

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

Usage Guideline:

Required for 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. Low-Ambient Pressure Switch Kit

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

Usage Guideline:

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

Suggested for all commercial applications.

8. MotorMaster® Low-Ambient Controller

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

Usage Guideline:

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

Suggested for all commercial applications.

9. 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 is also required to enable special thermostat features such as auxiliary heat lock out.

Usage Guideline:

Suggested for all Carrier thermostats listed in this publication.

10. Sound Hood

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

Usage Guideline:

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

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

11. Support Feet

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

Usage Guideline:

Suggested in the following applications:

Coastal installations.

Windy areas or where debris is normally circulating.

Rooftop installations.

For improved sound ratings.

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE – VOLTAGE, SERIES	REQUIRED SUBCOOLING °F (°C)
18–32	10 (5.6)
24–33	11 (6.1)
30–33 30–53	10 (5.6)
36–33 36–53 36–63 36–12	7 (3.9)
42–31 42–51 42–61 42–11	11 (6.1)
48–32 48–52 48–62 48–11	8 (4.4)
60–36 60–56 60–66 60–12	10 (5.6)

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ELECTRICAL DATA

UNIT SIZE – VOLTAGE, SERIES	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE†	MIN WIRE SIZE†	MAX LENGTH ft. (m)‡	MAX LENGTH ft. (m)‡	MAX FUSE** or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA		60° C	75° C	60° C	75° C	
18–32	208/230/1	253	197	40.3	7.7	0.5	10.1	14	14	78 (23.8)	74 (22.6)	15
24–33				54.0	10.4	0.75	13.8	14	14	57 (17.4)	54 (16.5)	20
30–33				68.0	14.1	1.1	18.7	14	14	42 (12.8)	40 (12.2)	30
36–33				77.0	14.4	1.1	19.1	12	12	65 (19.8)	62 (18.9)	30
42–31				104.0	19.2	1.4	25.4	10	10	79 (24.1)	75 (22.9)	40
48–31				137.0	20.2	1.2	26.4	10	10	76 (23.2)	72 (21.9)	40
60–36	208/230/3	253	197	141.0	25.3	1.2	32.9	8	8	94 (28.7)	90 (27.4)	50
30–53				58.0	7.7	1.1	10.7	14	14	85 (25.9)	81 (24.7)	15
36–53				73.0	9.6	1.1	13.1	14	14	69 (21.0)	66 (20.1)	20
42–51				88.0	12.8	1.4	17.4	12	12	83 (25.3)	79 (24.0)	25
48–51				83.1	13.1	1.2	17.6	12	12	82 (25.0)	78 (23.8)	25
60–56				110.0	15.4	1.2	20.4	10	10	113 (34.4)	108 (32.9)	30
36–63	460/3	506	414	38.0	5.8	0.5	7.7	14	14	236 (71.9)	225 (68.6)	10
42–61				44.0	6.0	0.7	8.2	14	14	222 (67.7)	211 (64.3)	15
48–61				41.0	6.1	0.6	8.2	14	14	222 (67.7)	211 (64.3)	15
60–66				52.0	7.1	0.6	9.4	14	14	193 (58.8)	184 (56.1)	15
36–12	575/3	632	518	27.8	4.0	0.5	5.5	14	14	303 (92.4)	288 (87.8)	10
42–11				33.0	4.6	0.5	6.3	14	14	260 (79.2)	247 (75.3)	15
48–11				33.0	4.6	0.5	6.3	14	14	260 (79.2)	247 (75.3)	15
60–12				38.9	5.4	0.5	7.3	14	14	227 (69.2)	216 (65.8)	10

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

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

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

** Time–Delay fuse.

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 LEVEL

UNIT SIZE – VOLTAGE, SERIES	STANDARD RATING (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dB, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18–32	76	51.0	61.5	67.0	68.5	66.0	61.0	55.5
24–33	76	54.0	64.0	69.0	71.0	69.0	64.5	59.0
30–33 30–53	76	54.5	64.5	70.0	70.5	67.5	63.0	57.0
36–33 36–53 36–63 36–12	78	58.5	69.5	72.0	73.5	68.5	65.0	59.5
42–31 42–51 42–61 42–11	79	60.5	68.5	71.5	75.5	69.5	65.5	66.0
48–32 48–52 48–62 48–11	80	51.5	63.5	66.0	76.0	68.0	66.5	63.5
60–36 60–56 60–66 60–12	80	54.5	63.5	71.5	74.5	67.0	68.0	68.5

A-WEIGHTED SOUND POWER WITH ACCESSORY SOUND HOOD

UNIT SIZE – VOLTAGE, SERIES	STANDARD RATING (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dB, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18–32	74	52.5	62.5	68.0	69.0	67.0	61.5	55.0
24–33	75	56.5	65.0	69.5	70.0	69.0	64.5	59.0
30–33 30–53	75	55.0	65.5	70.0	70.0	68.0	63.0	55.5
36–33 36–53 36–63 36–12	78	60.5	70.0	72.5	72.5	69.5	66.5	60.0
42–31 42–51 42–61 42–11	78	61.5	68.0	71.5	74.5	68.5	63.0	61.5
48–32 48–52 48–62 48–11	79	53.0	63.5	65.0	75.0	66.0	62.0	59.5
60–36 60–56 60–66 60–12	76	55.5	63.5	70.5	72.5	65.5	64.0	63.0

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DIMENSIONS

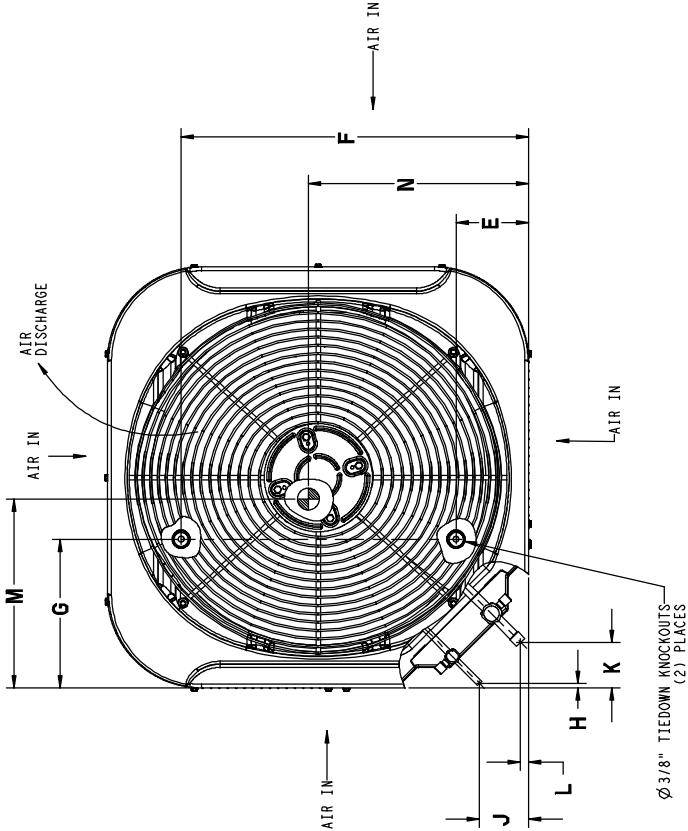
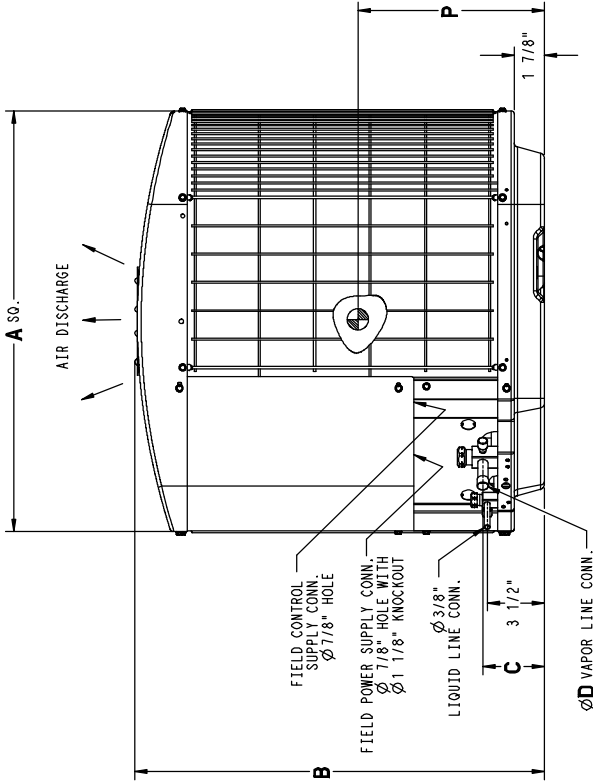
UNIT	SERIES	ELECTRICAL CHARACTERISTICS		A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT	SHIPPING WEIGHT	SHIPPING DIMENSIONS (L x W x H)	
24ABR318	2	X	0	0	25 3/4"	3 3/4"	3/4"	4 7/16"	21 1/4"	9 1/8"	5/16"	3"	2 13/16"	1/2"	13 1/2"	14"	10 1/2"	154#	120#	26 7/8" X 30 1/16" X 32 9/16"	
24ABR324	3	X	0	0	25 3/4"	3 3/4"	3/4"	4 7/16"	21 1/4"	9 1/8"	5/16"	3"	2 13/16"	1/2"	11 1/2"	12 1/2"	10"	156#	120#	26 7/8" X 30 1/16" X 32 9/16"	
24ABR330	3	X	0	X	25 3/4"	3 3/4"	3/4"	4 7/16"	21 1/4"	9 1/8"	5/16"	3"	2 13/16"	1/2"	15 1/2"	12 1/2"	14 1/4"	170#	130#	26 7/8" X 30 1/16" X 32 9/16"	
24ABR336	2	0	X	0	31 3/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	5/16"	3"	2 13/16"	1/2"	16"	15 1/4"	13"	177#	139#	32 3/8" X 35 1/2" X 32 9/16"	
	3	X	0	X																	
24ABR360	2	0	X	0	35"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	17 1/4"	16"	15 1/2"	265#	222#	36 1/8" X 39 5/16" X 42 3/4"	
	6	X	0	X	X																

- 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
18, 24, 30	26" X 26"
36	31 1/2" X 31 1/2"
60	35" X 35"

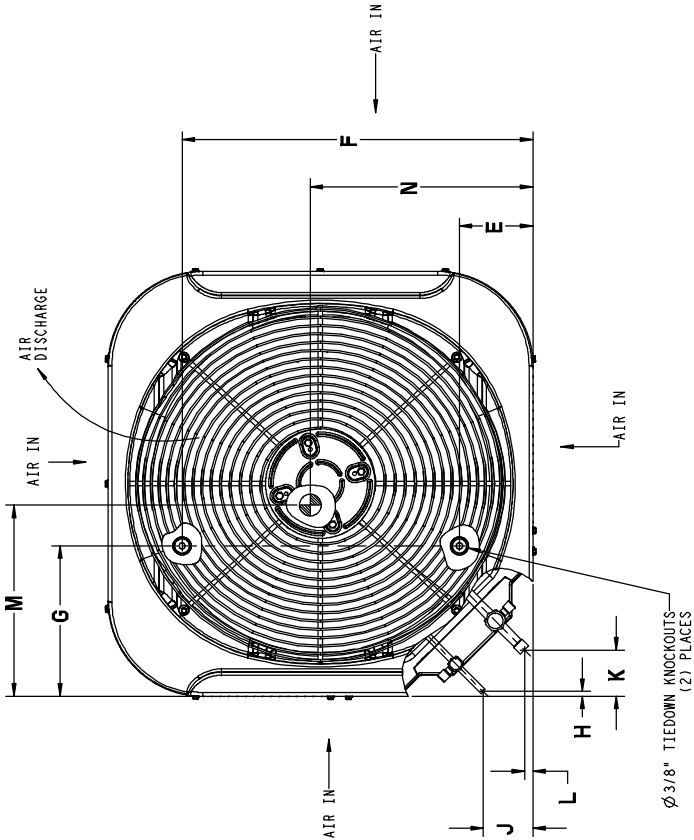
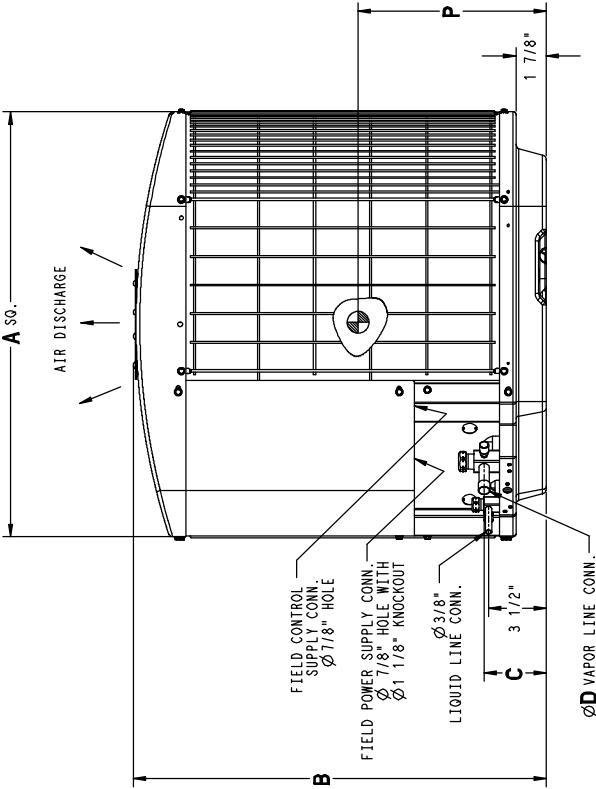
DIMENSIONS

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)															
24ABR342	1	X	X	X	X	31	3/16"	39	1/8"	3	7/8"	7/8"	6	9/16"	24	11/16"	9	1/8"	5/16"	3"	2	15/16"	5/8"	16	7/8"	16"	18	3/4"	192#	220#	32	3/8"	X	35	1/2"	X	42	3/4"
	2	X	O	X	O	35"	35	3/4"	3	7/8"	7/8"	6	9/16"	28	7/16"	9	1/8"	5/16"	3"	2	15/16"	5/8"	18	1/4"	18	1/2"	17	1/2"	208#	240#	36	1/8"	X	39	5/16"	X	39	3/8"
24ABR360	5	X	O	X	X	35"	35	45	15/16"	3	7/8"	7/8"	6	9/16"	28	7/16"	9	1/8"	5/16"	3"	2	15/16"	5/8"	18	3/4"	17"	20	1/8"	239#	274#	36	1/8"	X	39	5/16"	X	49	9/16"

- NOTES:
- 1. ALLOW 30" CLEARANCE TO SERVICE SIDE OF UNIT, 48" ABOVE UNIT, 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

X = YES
O = NO

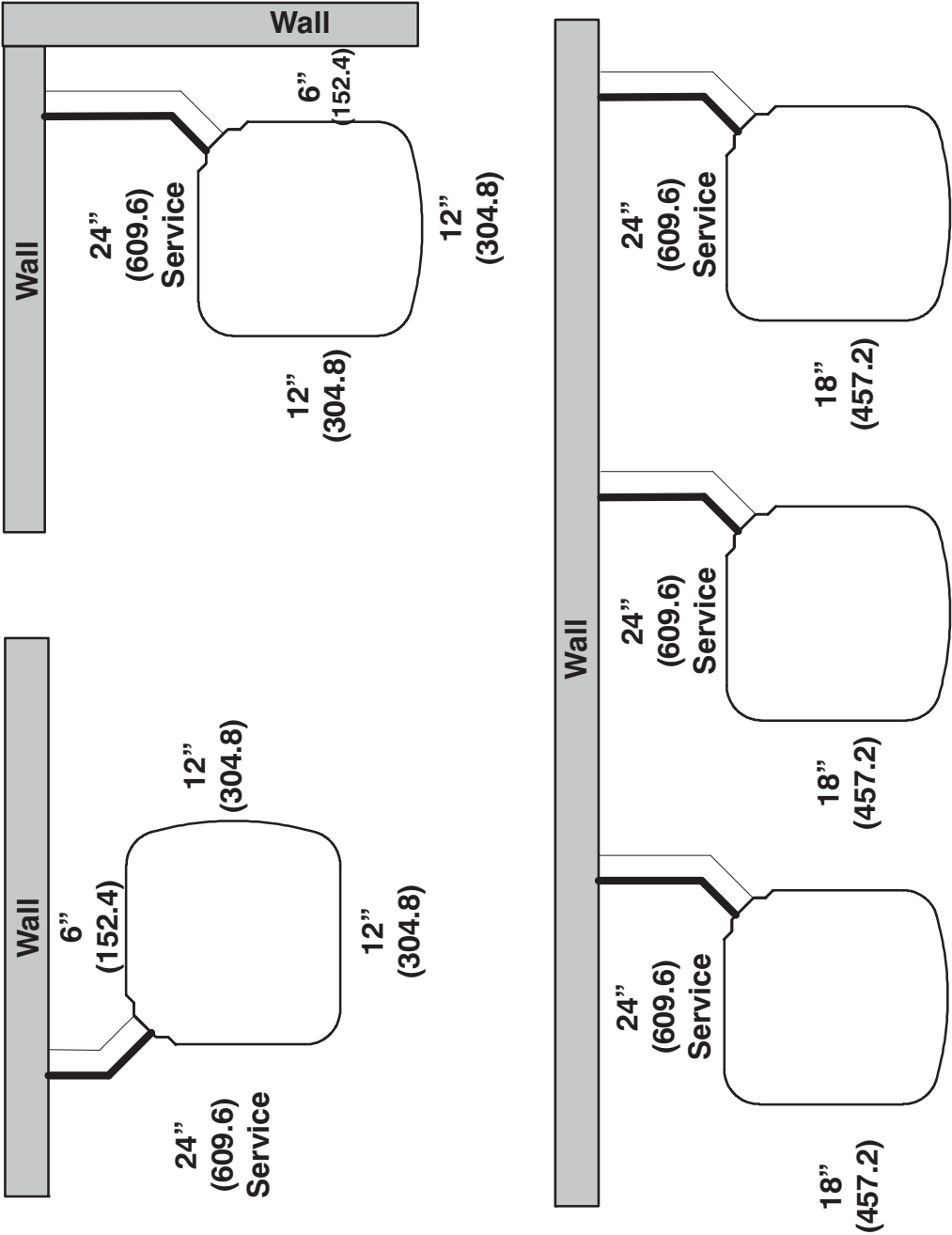
208-230-160	575-3-60	208/230-3-60	460-3-60
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UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
-	26" X 26"
42	31 1/2" X 31 1/2"
48.60	35" X 35"

CLEARANCES

Clearances (various examples)



Note: Numbers in () = mm

COMBINATION RATINGS

UNIT SIZE – VOLTAGE, SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
18–32	*CAR**1814A**	17,100	TXV		13.00	11.20	
	CAR**1814A**	17,000	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CAR**1814A**	17,200	TDR&TXV	14.50		12.20	58PH*045–08
	CAR**2414A**	17,300	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CAR**2414A**	17,700	TDR&TXV	14.50		12.20	58PH*045–08
	CAR**2414A**	17,500	TXV		13.00	11.20	
	CAR**2417A**	17,400	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CAR**2417A**	17,400	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CAR**2417A**	17,500	TXV		13.00	11.20	
	CNRH*2418A**	17,500	TXV		13.00	11.20	
	CNRH*2417A**	17,400	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CNRH*2417A**	17,500	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CNRH*2417A**	17,400	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CNRH*2417A**	17,400	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CNRH*2417A**	17,400	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CNRH*2417A**	17,400	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CNRH*2417A**	17,700	TDR&TXV	14.50		12.20	58PH*045–08
	CNRH*2417A**	17,500	TXV		13.00	11.20	
	CNRV*1814A**	17,300	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CNRV*1814A**	17,200	TDR&TXV	14.50		12.20	58PH*045–08
	CNRV*1814A**	17,100	TXV		13.00	11.20	
	CNRV*2414A**	17,400	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CNRV*2414A**	17,700	TDR&TXV	14.50		12.20	58PH*045–08
	CNRV*2414A**	17,500	TXV		13.00	11.20	
	CNRV*2417A**	17,500	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CNRV*2417A**	17,400	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CNRV*2417A**	17,600	TXV		13.00	11.20	
	CSRH*2412A**	17,400	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CSRH*2412A**	17,500	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CSRH*2412A**	17,400	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CSRH*2412A**	17,400	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CSRH*2412A**	17,600	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CSRH*2412A**	17,700	TDR&TXV	14.50		12.20	58PH*045–08
	CSRH*2412A**	17,500	TXV		13.00	11.20	
	FA4CN(F,C)018	17,300	TDR&TXV	13.00		11.20	
	FA4CN(F,C)024	17,300	TDR&TXV	13.00		11.20	
	FC4DNF018	17,600	TDR&TXV	14.00		12.00	
	FC4DNF024	17,700	TDR&TXV	14.00		12.00	
	FF1ENE018	17,000	TDR&TXV	13.00		11.20	
	FF1ENE024	17,400	TDR&TXV	13.20		11.50	
	FK4DNF001	17,500	TDR&TXV	14.00		12.00	
	FK4DNF002	16,900	TDR&TXV	14.00		12.00	
24–33	*CAR**2414A**	23,000	TXV		13.00	11.20	
	CAR**2414A**	22,800	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CAR**2414A**	23,600	TDR&TXV	14.00		12.00	58PH*045–08
	CAR**2417A**	22,800	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CAR**2417A**	23,200	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CAR**2417A**	23,000	TXV		13.00	11.20	
	CAR**3014A**	22,800	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CAR**3014A**	23,800	TDR&TXV	14.25		12.00	58PH*045–08
	CAR**3014A**	23,000	TXV		13.00	11.20	
	CAR**3017A**	23,000	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CAR**3017A**	23,200	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CAR**3017A**	23,000	TXV		13.00	11.20	
	CNRH*2418A**	23,000	TXV		13.00	11.20	

See notes on pg. 20

COMBINATION RATINGS CONTINUED

24ABR3

UNIT SIZE – VOLTAGE, SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
24–33	CNRH*2417A**	22,800	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CNRH*2417A**	22,800	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CNRH*2417A**	22,800	TDR&TXV	14.00		12.00	58CV(A,X)110–20
	CNRH*2417A**	22,800	TDR&TXV	14.00		12.00	58CV(A,X)135–22
	CNRH*2417A**	22,800	TDR&TXV	14.00		12.00	58CV(A,X)155–22
	CNRH*2417A**	23,200	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CNRH*2417A**	22,800	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CNRH*2417A**	22,600	TDR&TXV	14.00		12.00	58MV(B,C)080–20
	CNRH*2417A**	22,800	TDR&TXV	14.00		12.00	58MV(B,C)100–20
	CNRH*2417A**	23,000	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	CNRH*2417A**	22,800	TDR&TXV	14.00		12.00	58MVB040–14
	CNRH*2417A**	23,600	TDR&TXV	14.00		12.00	58PH*045–08
	CNRH*2417A**	23,000	TXV		13.00	11.20	
	CNRH*3017A**	23,000	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CNRH*3017A**	23,000	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CNRH*3017A**	23,000	TDR&TXV	14.00		12.00	58CV(A,X)110–20
	CNRH*3017A**	23,000	TDR&TXV	14.00		12.00	58CV(A,X)135–22
	CNRH*3017A**	23,000	TDR&TXV	14.00		12.00	58CV(A,X)155–22
	CNRH*3017A**	23,200	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CNRH*3017A**	23,000	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CNRH*3017A**	22,800	TDR&TXV	14.00		12.00	58MV(B,C)080–20
	CNRH*3017A**	23,000	TDR&TXV	14.00		12.00	58MV(B,C)100–20
	CNRH*3017A**	23,000	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	CNRH*3017A**	23,000	TDR&TXV	14.00		12.00	58MVB040–14
	CNRH*3017A**	23,600	TDR&TXV	14.25		12.00	58PH*045–08
	CNRH*3017A**	23,000	TXV		13.00	11.20	
	CNRV*2414A**	22,800	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CNRV*2414A**	23,600	TDR&TXV	14.00		12.00	58PH*045–08
	CNRV*2414A**	23,000	TXV		13.00	11.20	
	CNRV*2417A**	22,800	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CNRV*2417A**	23,000	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CNRV*2417A**	23,000	TXV		13.00	11.20	
	CNRV*3014A**	22,800	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CNRV*3014A**	23,600	TDR&TXV	14.25		12.00	58PH*045–08
	CNRV*3014A**	23,000	TXV		13.00	11.20	
	CNRV*3017A**	23,000	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CNRV*3017A**	23,000	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CNRV*3017A**	23,000	TXV		13.00	11.20	
	CSRH*2412A**	23,000	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CSRH*2412A**	23,200	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CSRH*2412A**	23,200	TDR&TXV	14.00		12.00	58CV(A,X)110–20
	CSRH*2412A**	23,200	TDR&TXV	14.00		12.00	58CV(A,X)135–22
	CSRH*2412A**	23,200	TDR&TXV	14.00		12.00	58CV(A,X)155–22
	CSRH*2412A**	23,400	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CSRH*2412A**	23,000	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CSRH*2412A**	23,000	TDR&TXV	14.00		12.00	58MV(B,C)080–20
	CSRH*2412A**	23,200	TDR&TXV	14.00		12.00	58MV(B,C)100–20
	CSRH*2412A**	23,200	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	CSRH*2412A**	23,200	TDR&TXV	14.00		12.00	58MVB040–14
	CSRH*2412A**	23,600	TDR&TXV	14.00		12.00	58PH*045–08
	CSRH*2412A**	23,400	TXV		13.00	11.20	
	CSRH*3012A**	23,000	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CSRH*3012A**	23,200	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CSRH*3012A**	23,200	TDR&TXV	14.00		12.00	58CV(A,X)110–20
	CSRH*3012A**	23,200	TDR&TXV	14.00		12.00	58CV(A,X)135–22
	CSRH*3012A**	23,200	TDR&TXV	14.00		12.00	58CV(A,X)155–22
	CSRH*3012A**	23,400	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CSRH*3012A**	23,000	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CSRH*3012A**	22,800	TDR&TXV	14.00		12.00	58MV(B,C)080–20
	CSRH*3012A**	23,000	TDR&TXV	14.00		12.00	58MV(B,C)100–20
	CSRH*3012A**	23,200	TDR&TXV	14.00		12.00	58MV(B,C)120–20

See notes on pg. 20

COMBINATION RATINGS CONTINUED

UNIT SIZE – VOLTAGE, SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
24–33	CSRH*3012A**	23,000	TDR&TXV	14.00		12.00	58MVB040–14
	CSRH*3012A**	23,600	TDR&TXV	14.25		12.00	58PH*045–08
	CSRH*3012A**	23,200	TXV		13.00	11.20	
	FA4CN(F,C)024	22,800	TDR&TXV	13.00		11.20	
	FA4CN(F,C)030	23,000	TDR&TXV	13.00		11.20	
	FC4DNF024	23,200	TDR&TXV	14.00		12.00	
	FC4DNF030	23,400	TDR&TXV	14.00		12.00	
	FF1ENE024	22,600	TDR&TXV	13.00		11.20	
	FF1ENE030	23,000	TDR&TXV	13.00		11.20	
	FK4DN(B,F)003	23,200	TDR&TXV	14.00		12.00	
	FK4DNF001	23,000	TDR&TXV	14.00		12.00	
	FK4DNF002	22,800	TDR&TXV	14.00		12.00	
	*CAR**3014A**	27,600	TXV		13.0	11.20	
	CAP**3017A**	28,600	TDR&TXV	14.00		12.00	58PH*070–16
30–33 30–53	CAP**3617A**	28,600	TDR&TXV	14.00		12.00	58PH*070–16
	CAP**3621A**	29,000	TDR&TXV	14.50		12.20	58PH*090–16
	CAR**3014A**	27,200	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CAR**3017A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CAR**3017A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CAR**3017A**	27,600	TXV		13.00	11.20	
	CAR**3614A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CAR**3614A**	27,600	TXV		13.00	11.20	
	CAR**3617A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CAR**3617A**	27,600	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CAR**3617A**	27,600	TXV		13.00	11.20	
	CAR**3621A**	27,600	TDR&TXV	14.00		12.00	58CV(A,X)110–20
	CAR**3621A**	28,200	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CAR**3621A**	28,200	TDR&TXV	14.00		12.00	58MV(B,C)080–20
	CAR**3621A**	28,200	TDR&TXV	14.00		12.00	58MV(B,C)100–20
	CAR**3621A**	27,600	TXV		13.00	11.20	
	CNPH*3017A**	28,600	TDR&TXV	14.00		12.00	58PH*070–16
	CNPH*3017A**	28,600	TDR&TXV	14.00		12.00	58PH*090–16
	CNPH*3617A**	28,600	TDR&TXV	14.00		12.00	58PH*070–16
	CNPH*3617A**	28,600	TDR&TXV	14.50		12.00	58PH*090–16
	CNPV*3017A**	28,600	TDR&TXV	14.00		12.00	58PH*070–16
	CNPV*3617A**	28,600	TDR&TXV	14.00		12.00	58PH*070–16
	CNPV*3621A**	28,600	TDR&TXV	14.50		12.00	58PH*090–16
	CNRF*3618A**	27,600	TXV		13.00	11.20	
	CNRH*3017A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CNRH*3017A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CNRH*3017A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)110–20
	CNRH*3017A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)135–22
	CNRH*3017A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)155–22
	CNRH*3017A**	27,600	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CNRH*3017A**	27,200	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CNRH*3017A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)080–20
	CNRH*3017A**	27,200	TDR&TXV	14.00		12.00	58MV(B,C)100–20
	CNRH*3017A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	CNRH*3017A**	27,400	TDR&TXV	14.00		12.00	58MVB040–14
	CNRH*3017A**	27,600	TXV		13.00	11.20	
	CNRH*3617A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CNRH*3617A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)090–16

See notes on pg. 20

24ABR3

COMBINATION RATINGS CONTINUED

24ABR3

UNIT SIZE – VOLTAGE, SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
30–33 30–53	CNRH*3617A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)110–20
	CNRH*3617A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)135–22
	CNRH*3617A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)155–22
	CNRH*3617A**	27,600	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CNRH*3617A**	27,200	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CNRH*3617A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)080–20
	CNRH*3617A**	27,200	TDR&TXV	14.00		12.00	58MV(B,C)100–20
	CNRH*3617A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	CNRH*3617A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	CNRH*3617A**	27,600	TXV		13.00	11.20	58MV(B,C)120–20
	CNRV*3014A**	27,200	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CNRV*3014A**	27,600	TXV		13.00	11.20	58CV(A,X)070–12
	CNRV*3017A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CNRV*3017A**	27,600	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CNRV*3017A**	27,600	TXV		13.00	11.20	58MV(B,C)060–14
	CNRV*3617A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CNRV*3617A**	27,600	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CNRV*3617A**	27,600	TXV		13.00	11.20	58MV(B,C)060–14
	CNRV*3621A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)110–20
	CNRV*3621A**	27,200	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CNRV*3621A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)080–20
	CNRV*3621A**	27,200	TDR&TXV	14.00		12.00	58MV(B,C)100–20
	CNRV*3621A**	27,600	TXV		13.00	11.20	58MV(B,C)100–20
	CSPH*3012A**	28,600	TDR&TXV	14.00		12.00	58PH*070–16
	CSPH*3012A**	28,600	TDR&TXV	14.00		12.00	58PH*090–16
	CSPH*3612A**	28,600	TDR&TXV	14.00		12.00	58PH*070–16
	CSPH*3612A**	29,000	TDR&TXV	14.50		12.20	58PH*090–16
	CSRH*3012A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CSRH*3012A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CSRH*3012A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)110–20
	CSRH*3012A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)135–22
	CSRH*3012A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)155–22
	CSRH*3012A**	27,600	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CSRH*3012A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CSRH*3012A**	27,600	TDR&TXV	14.00		12.00	58MV(B,C)080–20
	CSRH*3012A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)100–20
	CSRH*3012A**	27,600	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	CSRH*3012A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	CSRH*3012A**	27,600	TXV		13.00	11.20	58MV(B,C)120–20
	CSRH*3612A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)070–12
	CSRH*3612A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CSRH*3612A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)110–20
	CSRH*3612A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)135–22
	CSRH*3612A**	27,400	TDR&TXV	14.00		12.00	58CV(A,X)155–22
	CSRH*3612A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CSRH*3612A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CSRH*3612A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)080–20
	CSRH*3612A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)100–20
	CSRH*3612A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	CSRH*3612A**	27,400	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	CSRH*3612A**	27,400	TXV		13.00	11.20	58MV(B,C)120–20
	FA4CN(F,C)030	27,400	TDR&TXV	13.00		11.20	58MV(B,C)120–20
	FA4CN(F,C)036	27,600	TDR&TXV	13.00		11.20	58MV(B,C)120–20
	FC4DN(F,B)036	28,200	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	FC4DNF030	27,800	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	FF1ENE030	27,200	TDR&TXV	13.00		11.20	58MV(B,C)120–20
	FF1ENE036	27,600	TDR&TXV	13.00		11.20	58MV(B,C)120–20
	FK4DN(B,F)003	27,800	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	FK4DN(B,F)005	28,600	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	FK4DNF001	27,400	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	FK4DNF002	27,800	TDR&TXV	14.00		12.00	58MV(B,C)120–20

See notes on pg. 20

COMBINATION RATINGS CONTINUED

UNIT SIZE – VOLTAGE, SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
36–33 36–53 36–63 36–12	*CAR**3617A**	33,800	TXV		13.00	11.20	
	CAR**3614A**	33,000	TDR&TXV	13.50		11.70	58CV(A,X)070–12
	CAR**3614A**	33,400	TDR&TXV	13.20		11.20	58PH*045–08
	CAR**3614A**	33,000	TXV		13.00	11.20	
	CAR**3617A**	33,600	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CAR**3617A**	33,800	TDR&TXV	13.50		11.70	58MV(B,C)060–14
	CAR**3617A**	34,600	TDR&TXV	13.50		11.70	58PH*070–16
	CAR**3621A**	33,600	TDR&TXV	14.00		12.00	58CV(A,X)110–20
	CAR**3621A**	33,600	TDR&TXV	13.50		11.70	58MV(B,C)080–14
	CAR**3621A**	33,600	TDR&TXV	14.00		12.00	58MV(B,C)080–20
	CAR**3621A**	33,800	TDR&TXV	14.00		12.00	58MV(B,C)100–20
	CAR**3621A**	35,000	TDR&TXV	14.00		12.00	58PH*090–16
	CAR**3621A**	35,200	TDR&TXV	14.00		12.00	58PH*110–20
	CAR**3621A**	33,800	TXV		13.00	11.20	
	CAR**4221A**	34,000	TDR&TXV	14.00		12.00	58CV(A,X)110–20
	CAR**4221A**	34,000	TDR&TXV	14.00		12.00	58MV(B,C)080–14
	CAR**4221A**	33,800	TDR&TXV	14.00		12.00	58MV(B,C)080–20
	CAR**4221A**	34,000	TDR&TXV	14.00		12.00	58MV(B,C)100–20
	CAR**4221A**	35,200	TDR&TXV	14.00		12.00	58PH*090–16
	CAR**4221A**	35,400	TDR&TXV	14.00		12.00	58PH*110–20
	CAR**4221A**	34,200	TXV		13.00	11.20	
	CAR**4224A**	34,000	TDR&TXV	14.00		12.00	58CV(A,X)135–22
	CAR**4224A**	34,000	TDR&TXV	14.00		12.00	58CV(A,X)155–22
	CAR**4224A**	34,000	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	CAR**4224A**	33,800	TDR&TXV	13.50		11.70	58MVB040–14
	CAR**4224A**	34,200	TXV		13.00	11.20	
	CNRF*3618A**	33,800	TXV		13.00	11.20	
	CNRH*3617A**	33,600	TDR&TXV	13.50		11.70	58CV(A,X)070–12
	CNRH*3617A**	33,600	TDR&TXV	13.50		11.70	58CV(A,X)090–16
	CNRH*3617A**	33,600	TDR&TXV	13.50		11.70	58CV(A,X)110–20
	CNRH*3617A**	33,600	TDR&TXV	14.00		12.00	58CV(A,X)135–22
	CNRH*3617A**	33,600	TDR&TXV	14.00		12.00	58CV(A,X)155–22
	CNRH*3617A**	33,600	TDR&TXV	13.50		11.70	58MV(B,C)060–14
	CNRH*3617A**	33,600	TDR&TXV	13.50		11.70	58MV(B,C)080–14
	CNRH*3617A**	33,600	TDR&TXV	13.50		11.70	58MV(B,C)080–20
	CNRH*3617A**	33,600	TDR&TXV	13.50		11.70	58MV(B,C)100–20
	CNRH*3617A**	33,600	TDR&TXV	13.50		11.70	58MV(B,C)120–20
	CNRH*3617A**	33,600	TDR&TXV	13.50		11.70	58MVB040–14
	CNRH*3617A**	34,400	TDR&TXV	13.20		11.20	58PH*045–08
	CNRH*3617A**	34,400	TDR&TXV	13.50		11.70	58PH*070–16
	CNRH*3617A**	34,600	TDR&TXV	14.00		12.00	58PH*090–16
	CNRH*3617A**	34,800	TDR&TXV	14.00		12.00	58PH*110–20
	CNRH*3617A**	33,800	TXV		13.00	11.20	
	CNRH*4221A**	33,800	TDR&TXV	13.50		11.70	58CV(A,X)070–12
	CNRH*4221A**	34,000	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CNRH*4221A**	34,000	TDR&TXV	14.00		12.00	58CV(A,X)110–20
	CNRH*4221A**	34,000	TDR&TXV	14.00		12.00	58CV(A,X)135–22
	CNRH*4221A**	34,000	TDR&TXV	14.00		12.00	58CV(A,X)155–22
	CNRH*4221A**	34,000	TDR&TXV	14.00		12.00	58MV(B,C)060–14
	CNRH*4221A**	33,800	TDR&TXV	13.50		11.70	58MV(B,C)080–14
	CNRH*4221A**	33,800	TDR&TXV	14.00		12.00	58MV(B,C)080–20
	CNRH*4221A**	34,000	TDR&TXV	14.00		12.00	58MV(B,C)100–20
	CNRH*4221A**	34,000	TDR&TXV	14.00		12.00	58MV(B,C)120–20
	CNRH*4221A**	33,800	TDR&TXV	13.50		11.70	58MVB040–14
	CNRH*4221A**	34,800	TDR&TXV	13.20		11.50	58PH*045–08
	CNRH*4221A**	35,000	TDR&TXV	13.50		11.70	58PH*070–16
	CNRH*4221A**	35,200	TDR&TXV	14.00		12.00	58PH*090–16
	CNRH*4221A**	35,400	TDR&TXV	14.00		12.00	58PH*110–20
	CNRH*4221A**	34,200	TXV		13.00	11.20	
	CNRV*3617A**	33,600	TDR&TXV	13.50		11.70	58CV(A,X)090–16

See notes on pg. 20

24ABR3

COMBINATION RATINGS CONTINUED

24ABR3

36-33
36-53
36-63
36-12

UNIT SIZE – VOLTAGE, SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
	CNRV*3617A**	33,600	TDR&TXV	13.50		11.70	58MV(B,C)060-14
	CNRV*3617A**	34,400	TDR&TXV	13.50		11.70	58PH*070-16
	CNRV*3617A**	33,800	TXV		13.00	11.20	
	CNRV*3621A**	33,600	TDR&TXV	13.50		11.70	58CV(A,X)110-20
	CNRV*3621A**	33,600	TDR&TXV	13.50		11.70	58MV(B,C)080-14
	CNRV*3621A**	33,600	TDR&TXV	13.50		11.70	58MV(B,C)080-20
	CNRV*3621A**	33,600	TDR&TXV	13.50		11.70	58MV(B,C)100-20
	CNRV*3621A**	34,600	TDR&TXV	14.00		12.00	58PH*090-16
	CNRV*3621A**	34,800	TDR&TXV	14.00		12.00	58PH*110-20
	CNRV*3621A**	33,800	TXV		13.00	11.20	
	CNRV*4221A**	34,000	TDR&TXV	14.00		12.00	58CV(A,X)110-20
	CNRV*4221A**	33,800	TDR&TXV	13.50		11.70	58MV(B,C)080-14
	CNRV*4221A**	33,800	TDR&TXV	14.00		12.00	58MV(B,C)080-20
	CNRV*4221A**	34,000	TDR&TXV	14.00		12.00	58MV(B,C)100-20
	CNRV*4221A**	35,200	TDR&TXV	14.00		12.00	58PH*090-16
	CNRV*4221A**	35,400	TDR&TXV	14.00		12.00	58PH*110-20
	CNRV*4221A**	34,200	TXV		13.00	11.20	
	CSRH*3612A**	33,600	TDR&TXV	14.00		12.00	58CV(A,X)070-12
	CSRH*3612A**	33,600	TDR&TXV	14.00		12.00	58CV(A,X)090-16
	CSRH*3612A**	33,600	TDR&TXV	14.00		12.00	58CV(A,X)110-20
	CSRH*3612A**	33,600	TDR&TXV	14.00		12.00	58CV(A,X)135-22
	CSRH*3612A**	33,600	TDR&TXV	14.00		12.00	58CV(A,X)155-22
	CSRH*3612A**	33,600	TDR&TXV	14.00		12.00	58MV(B,C)060-14
	CSRH*3612A**	33,600	TDR&TXV	14.00		12.00	58MV(B,C)080-14
	CSRH*3612A**	33,800	TDR&TXV	14.00		12.00	58MV(B,C)080-20
	CSRH*3612A**	33,600	TDR&TXV	14.00		12.00	58MV(B,C)100-20
	CSRH*3612A**	33,600	TDR&TXV	14.00		12.00	58MV(B,C)120-20
	CSRH*3612A**	33,600	TDR&TXV	14.00		12.00	58MVB040-14
	CSRH*3612A**	34,400	TDR&TXV	13.20		11.20	58PH*045-08
	CSRH*3612A**	34,400	TDR&TXV	13.50		11.70	58PH*070-16
	CSRH*3612A**	34,600	TDR&TXV	14.00		12.00	58PH*090-16
	CSRH*3612A**	34,800	TDR&TXV	14.00		12.00	58PH*110-20
	CSRH*3612A**	33,800	TXV		13.00	11.20	
	CSRH*4212A**	33,800	TDR&TXV	14.00		12.00	58CV(A,X)070-12
	CSRH*4212A**	34,000	TDR&TXV	14.00		12.00	58CV(A,X)090-16
	CSRH*4212A**	34,000	TDR&TXV	14.00		12.00	58CV(A,X)110-20
	CSRH*4212A**	34,000	TDR&TXV	14.00		12.00	58CV(A,X)135-22
	CSRH*4212A**	34,000	TDR&TXV	14.00		12.00	58CV(A,X)155-22
	CSRH*4212A**	33,800	TDR&TXV	14.00		12.00	58MV(B,C)060-14
	CSRH*4212A**	33,800	TDR&TXV	14.00		12.00	58MV(B,C)080-14
	CSRH*4212A**	33,800	TDR&TXV	14.00		12.00	58MV(B,C)080-20
	CSRH*4212A**	34,000	TDR&TXV	14.00		12.00	58MV(B,C)100-20
	CSRH*4212A**	34,000	TDR&TXV	14.00		12.00	58MV(B,C)120-20
	CSRH*4212A**	33,800	TDR&TXV	14.00		12.00	58MVB040-14
	CSRH*4212A**	34,800	TDR&TXV	13.20		11.50	58PH*045-08
	CSRH*4212A**	35,000	TDR&TXV	13.50		11.70	58PH*070-16
	CSRH*4212A**	35,200	TDR&TXV	14.00		12.00	58PH*090-16
	CSRH*4212A**	35,400	TDR&TXV	14.00		12.00	58PH*110-20
	CSRH*4212A**	34,200	TXV		13.00	11.20	
	FA4CN(F,C)036	33,800	TDR&TXV	13.00		11.00	
	FA4CN(F,C)042	34,600	TDR&TXV	13.00		11.20	
	FC4DN(F,B)036	34,600	TDR&TXV	13.50		11.70	
	FC4DN(F,B)042	35,400	TDR&TXV	13.50		11.70	
	FF1ENE036	34,400	TDR&TXV	13.00		11.20	
	FK4DN(B,F)003	34,400	TDR&TXV	14.00		12.00	
	FK4DN(B,F)005	35,800	TDR&TXV	14.00		12.00	
	FK4DNB006	36,200	TDR&TXV	14.00		12.00	
	FK4DNF001	33,800	TDR&TXV	13.50		11.70	
	FK4DNF002	34,200	TDR&TXV	13.50		11.70	

See notes on pg. 20

COMBINATION RATINGS CONTINUED

UNIT SIZE – VOLTAGE, SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
42–31 42–51 42–61 42–11	*CAR**4221A**	40,500	TXV		13.00	11.00	
	CAR**4221A**	40,500	TDR&TXV	13.50		11.20	58CV(A,X)110–20
	CAR**4221A**	40,000	TDR&TXV	13.50		11.20	58MVB080–14
	CAR**4221A**	40,000	TDR&TXV	13.50		11.20	58MVB080–20
	CAR**4221A**	40,000	TDR&TXV	13.50		11.20	58MVB100–20
	CAR**4221A**	40,000	TDR&TXV	13.50		11.70	58PH*090–16
	CAR**4221A**	40,000	TDR&TXV	14.00		11.70	58PH*110–20
	CAR**4224A**	40,500	TDR&TXV	14.00		11.50	58CV(A,X)135–22
	CAR**4224A**	40,500	TDR&TXV	14.00		11.50	58CV(A,X)155–22
	CAR**4224A**	40,000	TDR&TXV	13.50		11.20	58MVB040–14
	CAR**4224A**	40,000	TDR&TXV	13.50		11.20	58MVB120–20
	CAR**4224A**	40,000	TDR&TXV	14.00		11.70	58PH*135–20
	CAR**4224A**	40,500	TXV		13.00	11.00	
	CAR**4817A**	40,000	TDR&TXV	14.00		11.50	58CV(A,X)090–16
	CAR**4817A**	40,000	TDR&TXV	13.50		11.20	58MVB060–14
	CAR**4817A**	39,500	TDR&TXV	13.20		11.50	58PH*070–16
	CAR**4817A**	40,500	TXV		13.00	11.00	
	CAR**4821A**	41,000	TDR&TXV	14.00		11.50	58CV(A,X)110–20
	CAR**4821A**	40,500	TDR&TXV	13.50		11.20	58MVB080–14
	CAR**4821A**	41,000	TDR&TXV	13.50		11.20	58MVB080–20
	CAR**4821A**	41,000	TDR&TXV	14.00		11.50	58MVB100–20
	CAR**4821A**	40,500	TDR&TXV	14.00		12.00	58PH*090–16
	CAR**4821A**	40,500	TDR&TXV	14.00		12.00	58PH*110–20
	CAR**4821A**	41,500	TXV		13.00	11.00	
	CAR**4824A**	41,000	TDR&TXV	14.00		11.50	58CV(A,X)135–22
	CAR**4824A**	41,000	TDR&TXV	14.00		11.50	58CV(A,X)155–22
	CAR**4824A**	40,500	TDR&TXV	13.50		11.20	58MVB040–14
	CAR**4824A**	41,000	TDR&TXV	14.00		11.50	58MVB120–20
	CAR**4824A**	40,500	TDR&TXV	14.00		12.00	58PH*135–20
	CAR**4824A**	41,500	TXV		13.00	11.00	
	CNRH*4818A**	40,500	TXV		13.00	11.00	
	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	58CV(A,X)070–12
	CNRH*4221A**	40,000	TDR&TXV	14.00		11.50	58CV(A,X)090–16
	CNRH*4221A**	40,000	TDR&TXV	14.00		11.50	58CV(A,X)110–20
	CNRH*4221A**	40,000	TDR&TXV	14.00		11.50	58CV(A,X)135–22
	CNRH*4221A**	40,000	TDR&TXV	14.00		11.50	58CV(A,X)155–22
	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	58MVB040–14
	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	58MVB060–14
	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	58MVB080–14
	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	58MVB080–20
	CNRH*4221A**	40,000	TDR&TXV	14.00		11.50	58MVB100–20
	CNRH*4221A**	40,000	TDR&TXV	14.00		11.50	58MVB120–20
	CNRH*4221A**	39,500	TDR&TXV	13.00		11.20	58PH*070–16
	CNRH*4221A**	40,000	TDR&TXV	13.75		11.70	58PH*090–16
	CNRH*4221A**	40,000	TDR&TXV	14.00		11.70	58PH*110–20
	CNRH*4221A**	40,000	TDR&TXV	14.00		11.70	58PH*135–20
	CNRH*4221A**	40,500	TXV		13.00	11.00	
	CNRH*4821A**	41,000	TDR&TXV	13.50		11.20	58CV(A,X)070–12
	CNRH*4821A**	41,000	TDR&TXV	14.00		11.50	58CV(A,X)090–16
	CNRH*4821A**	41,000	TDR&TXV	14.00		11.50	58CV(A,X)110–20
	CNRH*4821A**	41,000	TDR&TXV	14.00		11.50	58CV(A,X)135–22
	CNRH*4821A**	41,000	TDR&TXV	14.00		11.50	58CV(A,X)155–22
	CNRH*4821A**	41,000	TDR&TXV	13.50		11.20	58MVB040–14
	CNRH*4821A**	41,000	TDR&TXV	13.50		11.20	58MVB060–14
	CNRH*4821A**	41,000	TDR&TXV	13.50		11.20	58MVB080–14
	CNRH*4821A**	41,000	TDR&TXV	13.50		11.20	58MVB080–20
	CNRH*4821A**	41,000	TDR&TXV	14.00		11.50	58MVB100–20
	CNRH*4821A**	41,000	TDR&TXV	14.00		11.50	58MVB120–20
	CNRH*4821A**	40,500	TDR&TXV	13.20		11.50	58PH*070–16
	CNRH*4821A**	40,500	TDR&TXV	14.00		12.00	58PH*090–16
	CNRH*4821A**	40,500	TDR&TXV	14.00		12.00	58PH*110–20
	CNRH*4821A**	40,500	TDR&TXV	14.00		12.00	58PH*135–20
	CNRH*4821A**	41,500	TXV		13.00	11.00	
	CNRV*4221A**	40,000	TDR&TXV	14.00		11.50	58CV(A,X)110–20
	CNRV*4221A**	40,000	TDR&TXV	13.50		11.20	58MVB080–14
	CNRV*4221A**	40,000	TDR&TXV	13.50		11.20	58MVB080–20
	CNRV*4221A**	40,000	TDR&TXV	14.00		11.50	58MVB100–20
	CNRV*4221A**	40,000	TDR&TXV	13.50		11.70	58PH*090–16
	CNRV*4221A**	40,000	TDR&TXV	13.50		11.70	58PH*110–20

See notes on pg. 20

24ABR3

COMBINATION RATINGS CONTINUED

24ABR3

UNIT SIZE – VOLTAGE, SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
42–31 42–51 42–61 42–11	CNRV*4221A**	40,500	TXV		13.00	11.00	
	CNRV*4821A**	41,000	TDR&TXV	14.00		11.50	58CV(A,X)110–20
	CNRV*4821A**	41,000	TDR&TXV	13.50		11.20	58MVB080–14
	CNRV*4821A**	41,000	TDR&TXV	13.50		11.20	58MVB080–20
	CNRV*4821A**	41,000	TDR&TXV	14.00		11.50	58MVB100–20
	CNRV*4821A**	40,500	TDR&TXV	14.00		12.00	58PH*090–16
	CNRV*4821A**	40,500	TDR&TXV	14.00		12.00	58PH*110–20
	CNRV*4821A**	41,500	TXV		13.00	11.00	
	CNRV*4824A**	41,000	TDR&TXV	14.00		11.50	58CV(A,X)135–22
	CNRV*4824A**	41,000	TDR&TXV	14.00		11.50	58CV(A,X)155–22
	CNRV*4824A**	41,000	TDR&TXV	13.50		11.20	58MVB040–14
	CNRV*4824A**	41,000	TDR&TXV	14.00		11.50	58MVB120–20
	CNRV*4824A**	40,500	TDR&TXV	14.00		12.00	58PH*135–20
	CNRV*4824A**	41,500	TXV		13.00	11.00	
	CSRH*4212A**	40,000	TDR&TXV	13.50		11.20	58CV(A,X)070–12
	CSRH*4212A**	40,000	TDR&TXV	14.00		11.50	58CV(A,X)090–16
	CSRH*4212A**	40,000	TDR&TXV	14.00		11.50	58CV(A,X)110–20
	CSRH*4212A**	40,000	TDR&TXV	14.00		11.50	58CV(A,X)135–22
	CSRH*4212A**	40,000	TDR&TXV	14.00		11.50	58CV(A,X)155–22
	CSRH*4212A**	40,000	TDR&TXV	13.50		11.20	58MVB040–14
	CSRH*4212A**	40,000	TDR&TXV	13.50		11.20	58MVB060–14
	CSRH*4212A**	40,000	TDR&TXV	13.50		11.20	58MVB080–14
	CSRH*4212A**	40,000	TDR&TXV	13.50		11.20	58MVB080–20
	CSRH*4212A**	40,000	TDR&TXV	14.00		11.50	58MVB100–20
	CSRH*4212A**	40,000	TDR&TXV	14.00		11.50	58MVB120–20
	CSRH*4212A**	40,000	TDR&TXV	13.20		11.50	58PH*070–16
	CSRH*4212A**	40,000	TDR&TXV	13.75		11.70	58PH*090–16
	CSRH*4212A**	40,000	TDR&TXV	14.00		11.70	58PH*110–20
	CSRH*4212A**	40,000	TDR&TXV	14.00		11.70	58PH*135–20
	CSRH*4212A**	40,500	TXV		13.00	11.00	
	CSRH*4812A**	40,500	TDR&TXV	13.50		11.20	58CV(A,X)070–12
	CSRH*4812A**	40,500	TDR&TXV	14.00		11.50	58CV(A,X)090–16
	CSRH*4812A**	40,500	TDR&TXV	14.00		11.50	58CV(A,X)110–20
	CSRH*4812A**	40,500	TDR&TXV	14.00		11.50	58CV(A,X)135–22
	CSRH*4812A**	40,500	TDR&TXV	14.00		11.50	58CV(A,X)155–22
	CSRH*4812A**	40,500	TDR&TXV	13.50		11.20	58MVB040–14
	CSRH*4812A**	40,500	TDR&TXV	13.50		11.20	58MVB060–14
	CSRH*4812A**	40,500	TDR&TXV	13.50		11.20	58MVB080–14
	CSRH*4812A**	40,500	TDR&TXV	13.50		11.20	58MVB080–20
	CSRH*4812A**	40,500	TDR&TXV	14.00		11.50	58MVB100–20
	CSRH*4812A**	40,500	TDR&TXV	14.00		11.50	58MVB120–20
	CSRH*4812A**	40,500	TDR&TXV	13.20		11.50	58PH*070–16
	CSRH*4812A**	40,500	TDR&TXV	14.00		12.00	58PH*090–16
	CSRH*4812A**	40,500	TDR&TXV	14.00		12.00	58PH*110–20
	CSRH*4812A**	40,500	TDR&TXV	14.00		12.00	58PH*135–20
	CSRH*4812A**	41,000	TXV		13.00	11.00	
	FA4CN(F,C)042	41,000	TDR&TXV	13.00		11.00	
	FA4CN(F,C)048	41,500	TDR&TXV	13.00		11.00	
	FC4DN(F,B)042	41,500	TDR&TXV	13.50		11.20	
	FC4DN(F,B)048	42,500	TDR&TXV	14.00		11.50	
	FK4DNB006	42,500	TDR&TXV	14.00		11.50	
	FK4DNF003	40,000	TDR&TXV	14.00		11.50	
	FK4DNF005	42,000	TDR&TXV	14.00		11.50	
48–32 48–52 48–62 48–11	*CAR**4821A**	46,000	TXV		13.00	11.00	
	CAR**4817A**	45,500	TDR&TXV	13.20		11.00	58CV(A,X)090–16
	CAR**4817A**	46,000	TXV		13.00	11.00	
	CAR**4821A**	45,500	TDR&TXV	13.20		11.00	58CV(A,X)110–20
	CAR**4821A**	45,000	TDR&TXV	13.20		11.00	58MVB080–20
	CAR**4821A**	45,500	TDR&TXV	13.20		11.80	58MVB100–20
	CAR**4821A**	45,500	TDR&TXV	13.25		11.50	58PH*090–16
	CAR**4821A**	45,500	TDR&TXV	13.50		11.70	58PH*110–20
	CAR**4824A**	45,500	TDR&TXV	13.50		11.20	58CV(A,X)135–22
	CAR**4824A**	45,500	TDR&TXV	14.00		11.50	58CV(A,X)155–22
	CAR**4824A**	45,000	TDR&TXV	13.20		11.00	58MVB120–20
	CAR**4824A**	45,500	TDR&TXV	13.50		11.70	58PH*135–20
	CAR**6021A**	46,500	TDR&TXV	13.50		11.20	58CV(A,X)110–20

See notes on pg. 20

UNIT SIZE – VOLTAGE, SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
48–32 48–52 48–62 48–11	CAR**6021A**	46,500	TDR&TXV	13.50		11.20	58MVB080–20
	CAR**6021A**	46,500	TDR&TXV	13.50		11.20	58MVB100–20
	CAR**6021A**	46,500	TDR&TXV	13.75		11.70	58PH*090–16
	CAR**6021A**	46,500	TDR&TXV	14.00		12.00	58PH*110–20
	CAR**6021A**	47,500	TXV		13.00	11.00	
	CAR**6024A**	46,500	TDR&TXV	13.50		11.20	58CV(A,X)135–22
	CAR**6024A**	47,000	TDR&TXV	14.00		11.50	58CV(A,X)155–22
	CAR**6024A**	46,500	TDR&TXV	13.50		11.20	58MVB120–20
	CAR**6024A**	47,000	TDR&TXV	13.75		11.70	58PH*135–20
	CAR**6024A**	47,500	TXV		13.00	11.00	
	CNRH*4818A**	45,000	TXV		13.00	11.00	
	CNRH*4821A**	45,500	TDR&TXV	13.50		11.20	58CV(A,X)090–16
	CNRH*4821A**	45,500	TDR&TXV	13.50		11.20	58CV(A,X)110–20
	CNRH*4821A**	45,500	TDR&TXV	13.50		11.20	58CV(A,X)135–22
	CNRH*4821A**	46,000	TDR&TXV	13.50		11.20	58CV(A,X)155–22
	CNRH*4821A**	45,500	TDR&TXV	13.20		11.00	58MVB080–20
	CNRH*4821A**	45,500	TDR&TXV	13.20		11.00	58MVB100–20
	CNRH*4821A**	45,500	TDR&TXV	13.20		11.00	58MVB120–20
	CNRH*4821A**	45,500	TDR&TXV	13.20		11.50	58PH*090–16
	CNRH*4821A**	45,500	TDR&TXV	13.50		11.70	58PH*110–20
	CNRH*4821A**	45,500	TDR&TXV	13.50		11.70	58PH*135–20
	CNRH*4821A**	46,500	TXV		13.00	11.00	
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	58CV(A,X)090–16
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	58CV(A,X)110–20
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	58CV(A,X)135–22
	CNRH*6024A**	47,000	TDR&TXV	14.00		11.50	58CV(A,X)155–22
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	58MVB080–20
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	58MVB100–20
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	58MVB120–20
	CNRH*6024A**	47,000	TDR&TXV	13.75		11.70	58PH*090–16
	CNRH*6024A**	47,000	TDR&TXV	14.00		12.00	58PH*110–20
	CNRH*6024A**	47,000	TDR&TXV	13.75		11.70	58PH*135–20
	CNRH*6024A**	47,500	TXV		13.00	11.00	
	CNRV*4821A**	45,500	TDR&TXV	13.50		11.20	58CV(A,X)110–20
	CNRV*4821A**	45,500	TDR&TXV	13.20		11.00	58MVB080–20
	CNRV*4821A**	45,500	TDR&TXV	13.20		11.00	58MVB100–20
	CNRV*4821A**	45,500	TDR&TXV	13.20		11.50	58PH*090–16
	CNRV*4821A**	45,500	TDR&TXV	13.50		11.70	58PH*110–20
	CNRV*4821A**	46,500	TXV		13.00	11.00	
	CNRV*4824A**	45,500	TDR&TXV	13.50		11.20	58CV(A,X)135–22
	CNRV*4824A**	46,000	TDR&TXV	13.50		11.20	58CV(A,X)155–22
	CNRV*4824A**	45,500	TDR&TXV	13.20		11.00	58MVB120–20
	CNRV*4824A**	45,500	TDR&TXV	13.50		11.70	58PH*135–20
	CNRV*4824A**	46,500	TXV		13.00	11.00	
	CNRV*6024A**	46,500	TDR&TXV	13.50		11.20	58CV(A,X)135–22
	CNRV*6024A**	47,000	TDR&TXV	14.00		11.50	58CV(A,X)155–22
	CNRV*6024A**	46,500	TDR&TXV	13.50		11.20	58MVB120–20
	CNRV*6024A**	47,000	TDR&TXV	13.75		11.70	58PH*135–20
	CNRV*6024A**	47,500	TXV		13.00	11.00	
	CSRH*4812A**	46,000	TDR&TXV	13.50		11.20	58CV(A,X)090–16
	CSRH*4812A**	46,000	TDR&TXV	13.50		11.20	58CV(A,X)110–20
	CSRH*4812A**	46,000	TDR&TXV	13.50		11.20	58CV(A,X)135–22
	CSRH*4812A**	46,000	TDR&TXV	13.50		11.20	58CV(A,X)155–22
	CSRH*4812A**	46,000	TDR&TXV	13.20		11.00	58MVB080–20
	CSRH*4812A**	46,000	TDR&TXV	13.20		11.00	58MVB100–20
	CSRH*4812A**	46,000	TDR&TXV	13.20		11.00	58MVB120–20
	CSRH*4812A**	45,500	TDR&TXV	13.20		11.50	58PH*090–16
	CSRH*4812A**	45,500	TDR&TXV	13.50		11.70	58PH*110–20
	CSRH*4812A**	45,500	TDR&TXV	13.50		11.70	58PH*135–20
	CSRH*4812A**	47,000	TXV		13.00	11.00	
	CSRH*6012A**	47,000	TDR&TXV	13.50		11.20	58CV(A,X)090–16
	CSRH*6012A**	47,000	TDR&TXV	13.50		11.20	58CV(A,X)110–20

See notes on pg. 20

COMBINATION RATINGS CONTINUED

24ABR3

UNIT SIZE – VOLTAGE, SERIES	INDOOR MODEL	TOTAL CAP. BTUH	FACTORY SUPPLIED ENHANCEMENT	SEER		EER	FURNACE MODEL
				STANDARD RATING	TDR†		
48–32 48–52 48–62 48–11	CSRH*6012A**	47,000	TDR&TXV	14.00		11.50	58CV(A,X)135–22
	CSRH*6012A**	47,000	TDR&TXV	14.00		11.50	58CV(A,X)155–22
	CSRH*6012A**	46,500	TDR&TXV	13.50		11.20	58MVB080–20
	CSRH*6012A**	47,000	TDR&TXV	13.50		11.20	58MVB100–20
	CSRH*6012A**	47,000	TDR&TXV	13.50		11.20	58MVB120–20
	CSRH*6012A**	47,000	TDR&TXV	13.75		11.70	58PH*090–16
	CSRH*6012A**	47,000	TDR&TXV	14.00		12.00	58PH*110–20
	CSRH*6012A**	47,000	TDR&TXV	13.75		11.70	58PH*135–20
	CSRH*6012A**	48,000	TXV		13.00	11.00	
	FA4CN(F,C)048	47,000	TDR&TXV	13.00		11.00	
	FA4CN(F,C)060	48,000	TDR&TXV	13.00		11.00	
	FC4DN(F,B)048	47,500	TDR&TXV	13.50		11.20	
	FC4DN(F,B)060	48,500	TDR&TXV	14.00		11.50	
	FK4DNB006	47,500	TDR&TXV	14.50		11.70	
	FK4DNF005	47,000	TDR&TXV	14.00		11.50	
60–36 60–56 60–66 60–12	*CAR**6024A**	56,000	TXV			11.00	
	CAR**6021A**	54,500	TDR&TXV	13.00		11.00	58PH*090–16
	CAR**6021A**	55,000	TDR&TXV	13.25		11.20	58PH*110–20
	CAR**6021A**	55,500	TXV		13.00	11.00	
	CAR**6024A**	55,000	TDR&TXV	13.20		11.20	58CV(A,X)135–22
	CAR**6024A**	56,000	TDR&TXV	13.20		11.20	58CV(A,X)155–22
	CAR**6024A**	55,500	TDR&TXV	13.25		11.20	58PH*135–20
	CNRH*6024A**	55,000	TDR&TXV	13.20		11.20	58CV(A,X)135–22
	CNRH*6024A**	55,500	TDR&TXV	13.50		11.50	58CV(A,X)155–22
	CNRH*6024A**	55,000	TDR&TXV	13.00		11.00	58PH*090–16
	CNRH*6024A**	55,500	TDR&TXV	13.25		11.20	58PH*110–20
	CNRH*6024A**	55,500	TDR&TXV	13.25		11.20	58PH*135–20
	CNRH*6024A**	56,000	TXV		13.00	11.00	
	CNRV*6024A**	55,500	TDR&TXV	13.20		11.00	58CV(A,X)135–22
	CNRV*6024A**	55,500	TDR&TXV	13.50		11.50	58CV(A,X)155–22
	CNRV*6024A**	55,500	TDR&TXV	13.25		11.20	58PH*135–20
	CNRV*6024A**	56,000	TXV		13.00	11.00	
	CSRH*6012A**	56,000	TDR&TXV	13.20		11.20	58CV(A,X)135–22
	CSRH*6012A**	56,000	TDR&TXV	13.50		11.50	58CV(A,X)155–22
	CSRH*6012A**	55,000	TDR&TXV	13.00		11.00	58PH*090–16
	CSRH*6012A**	56,000	TDR&TXV	13.25		11.20	58PH*110–20
	CSRH*6012A**	56,000	TDR&TXV	13.25		11.20	58PH*135–20
	CSRH*6012A**	56,000	TXV		13.00	11.00	
	FA4CN(B,C)060	56,000	TDR&TXV	13.00		11.00	
	FC4DN(F,B)060	56,000	TDR&TXV	13.20		11.20	
	FK4DNB006	56,500	TDR&TXV	13.50		11.70	

Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory (www.ahridirectory.org) for the most up-to-date ratings information.

* Tested combination.

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

NOTES:

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

EER — Energy Efficiency Ratio

SEER — Seasonal Energy Efficiency Ratio

TDR — Time–Delay Relay

TXV — Thermostatic Expansion Valve

DETAILED COOLING CAPACITIES#

EVAPORATOR AIR			CONDENSER ENTERING AIR TEMPERATURES 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 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†	
525	72 (22.2)	20.03	10.14	1.28	19.30	9.88	1.53	18.55	9.61	17.76	9.33	1.69	16.91	9.04	1.87	16.00	8.73	2.08	
	67 (19.4)	18.20	12.49	1.27	17.52	12.23	1.52	16.82	11.95	16.10	11.67	1.68	15.33	11.37	1.86	14.48	11.05	2.06	
	62 (16.7)	16.70	14.83	1.26	16.09	14.55	1.38	15.48	14.25	14.86	13.93	1.67	14.24	14.24	1.84	13.59	13.59	2.05	
	57 (13.9)	16.40	16.40	1.26	15.89	15.89	1.38	15.37	15.37	14.83	14.83	1.67	14.24	14.24	1.84	13.59	13.59	2.05	
	52 (22.2)	20.37	10.66	1.31	19.60	10.39	1.43	19.00	10.12	18.00	9.84	1.72	17.13	9.54	1.90	16.18	9.22	2.11	
600	67 (19.4)	18.52	13.33	1.30	17.82	13.05	1.42	17.10	12.78	16.35	12.49	1.71	15.55	12.18	1.89	14.69	11.85	2.10	
	62 (16.7)	17.13	15.91	1.30	16.55	16.39	1.41	15.97	15.97	15.39	15.39	1.70	14.76	14.76	1.88	14.07	14.07	2.09	
	57 (13.9)	17.06	17.06	1.30	16.52	16.52	1.41	15.97	15.97	15.39	15.39	1.70	14.76	14.76	1.88	14.07	14.07	2.09	
	52 (22.2)	20.61	11.15	1.34	19.82	10.87	1.46	19.01	10.60	18.17	10.32	1.75	17.28	10.02	1.93	16.31	9.69	2.14	
	67 (19.4)	18.77	14.12	1.33	18.04	13.84	1.45	17.31	13.56	15.9	16.54	13.26	1.74	15.73	12.95	1.92	14.85	12.60	2.13
675	62 (16.7)	17.61	17.61	1.33	17.04	17.04	1.45	16.45	16.45	15.84	15.84	1.73	15.18	15.18	1.91	14.46	14.46	2.12	
	57 (13.9)	17.61	17.61	1.33	17.04	17.04	1.45	16.46	16.46	15.84	15.84	1.73	15.18	15.18	1.91	14.46	14.46	2.12	

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAR**1814A**	1.00	1.00	
CAR**2414A**	1.02	1.02	
CAR**2417A**	1.02	1.02	
CNRF*2418A**	1.02	1.02	
CNRH*2417A**	1.02	1.02	
CNRV*1814A**	1.00	1.00	
CNRV*2414A**	1.02	1.02	
CNRV*2417A**	1.03	1.03	
CSRH*2412A**	1.02	1.02	
FA4CNFCJ018	1.01	1.01	
FA4CNFCJ024	1.01	1.01	
FC4DNF018	1.03	0.96	
FC4DNF024	1.04	0.97	
FF1ENE018	0.99	0.99	
FF1ENE024	1.02	0.99	
FK4DNF001	1.02	0.96	
FK4DNF002	0.99	0.92	
CAR**1814A**	0.99	0.93	58CV(A.X)070-12
CAR**2414A**	1.01	0.94	58CV(A.X)070-12
CNRH*2417A**	1.02	0.95	58CV(A.X)070-12
CNRV*1814A**	1.01	0.94	58CV(A.X)070-12
CNRV*2414A**	1.02	0.95	58CV(A.X)070-12
CSRH*2412A**	1.02	0.95	58CV(A.X)070-12
CAR**2417A**	1.02	0.95	58CV(A.X)090-16
CNRH*2417A**	1.02	0.96	58CV(A.X)090-16
CNRV*2417A**	1.02	0.96	58CV(A.X)090-16
CSRH*2412A**	1.02	0.95	58CV(A.X)090-16
CAR**2417A**	1.02	0.95	58MV(B.C)060-14
CNRH*2417A**	1.02	0.95	58MV(B.C)060-14
CNRV*2417A**	1.02	0.95	58MV(B.C)060-14
CSRH*2412A**	1.02	0.95	58MV(B.C)060-14
CNRH*2417A**	1.02	0.95	58MV(B.C)080-14
CSRH*2412A**	1.02	0.95	58MV(B.C)080-14
CNRH*2417A**	1.02	0.95	58MV(B.C)080-14
CSRH*2412A**	1.02	0.95	58MV(B.C)080-14
CAR**2414A**	1.01	0.92	58PH*045-08
CNRH*2417A**	1.04	0.95	58PH*045-08
CNRV*1814A**	1.01	0.92	58PH*045-08
CNRV*2414A**	1.04	0.95	58PH*045-08
CSRH*2412A**	1.04	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 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†	
24ABR324(A,G)*2 Outdoor Section With CAR**2414A Indoor Section																			
700	72 (22.2)	26.51	13.89	1.76	25.63	13.56	1.93	24.70	13.22	2.12	23.69	12.65	2.34	22.59	12.45	2.58	21.37	12.02	2.86
	67 (19.4)	24.08	17.11	1.75	23.29	16.79	1.91	22.44	16.44	2.10	21.50	16.07	2.32	20.46	15.65	2.56	19.28	15.19	2.84
	62 (16.7)	22.09	20.33	1.74	21.39	20.00	1.90	20.63	19.63	2.09	19.79	19.19	2.31	18.93	18.93	2.55	18.01	18.01	2.83
	57 (13.9)	21.69	21.69	1.74	21.12	21.12	1.90	20.48	20.48	2.09	19.75	19.75	2.31	18.93	18.93	2.55	18.01	18.01	2.83
	52 (22.2)	26.96	14.60	1.80	26.03	14.26	1.97	25.06	13.91	2.16	24.02	13.54	2.38	22.88	13.14	2.62	21.63	12.71	2.90
800	67 (19.4)	24.51	18.26	1.79	23.68	17.93	1.96	22.80	17.57	2.15	21.83	17.19	2.36	20.76	16.77	2.61	19.57	16.30	2.88
	62 (16.7)	22.65	21.82	1.78	21.96	21.83	1.95	21.26	21.26	2.13	20.50	20.50	2.35	19.65	19.65	2.60	18.69	18.69	2.88
	57 (13.9)	22.57	22.57	1.78	21.95	21.95	1.95	21.27	21.27	2.13	20.51	20.51	2.35	19.65	19.65	2.60	18.69	18.69	2.88
	72 (22.2)	27.29	15.27	1.85	26.32	14.93	2.01	25.32	14.57	2.20	24.25	14.20	2.42	23.08	13.80	2.67	21.81	13.36	2.94
	67 (19.4)	24.83	19.35	1.83	23.98	19.01	2.00	23.07	18.65	2.19	22.08	18.26	2.40	20.99	17.83	2.65	19.79	17.35	2.93
900	62 (16.7)	23.28	23.28	1.83	22.63	22.63	1.99	21.91	21.91	2.18	21.12	21.12	2.40	20.23	20.23	2.64	19.24	19.24	2.92
	57 (13.9)	23.29	23.29	1.83	22.63	22.63	1.99	21.91	21.91	2.18	21.12	21.12	2.40	20.23	20.23	2.64	19.24	19.24	2.92
Cooling Indoor Model		Capacity		Power		Furnace Model		Cooling Indoor Model		Capacity		Power		Cooling Indoor Model		Capacity		Power	
*CAR**2414A**		1.00		1.00				CNRH*3017A**		1.00		0.93		58CV(A,X)135-22		CSRH*3012A**		1.03	
CAR**2417A**		1.00		1.00				CSRH*2412A**		1.01		0.94		58CV(A,X)135-22					
CAR**3014A**		1.00		1.00				CSRH*3012A**		1.01		0.94		58CV(A,X)135-22					
CAR**3017A**		1.00		1.00				CNRH*2417A**		0.99		0.93		58CV(A,X)155-22					
CNRH*2418A**		1.00		1.00				CNRH*3017A**		1.00		0.93		58CV(A,X)155-22					
CNRH*2417A**		1.00		1.00				CNRH*2412A**		1.01		0.94		58CV(A,X)155-22					
CNRH*3017A**		1.00		1.00				CSRH*3012A**		1.01		0.94		58CV(A,X)155-22					
CNRV*2414A**		1.00		1.00				CAR**2417A**		1.01		0.94		58MV(B,C)060-14					
CNRV*2417A**		1.00		1.00				CAR**3017A**		1.01		0.94		58MV(B,C)060-14					
CNRV*3014A**		1.00		1.00				CNRH*2417A**		1.01		0.94		58MV(B,C)060-14					
CNRV*3017A**		1.00		1.00				CNRH*3017A**		1.01		0.94		58MV(B,C)060-14					
CSRH*2412A**		1.02		1.02				CNRV*2417A**		1.00		0.93		58MV(B,C)060-14					
CSRH*3012A**		1.01		1.01				CNRH*3017A**		1.00		0.93		58MV(B,C)060-14					
F4ACN(F,C)024		0.99		0.99				CSRH*2412A**		1.02		0.95		58MV(B,C)060-14					
F4ACN(F,C)030		1.00		1.00				CSRH*3012A**		1.02		0.95		58MV(B,C)060-14					
F4ADNF024		1.01		0.94				CNRH*2417A**		0.99		0.93		58MV(B,C)080-14					
F4ADNF030		1.02		0.95				CNRH*3017A**		1.00		0.93		58MV(B,C)080-14					
FF1ENE024		0.98		0.98				CSRH*2412A**		1.00		0.93		58MV(B,C)080-14					
FF1ENE030		1.00		1.00				CSRH*3012A**		1.00		0.93		58MV(B,C)080-14					
FK4DN(B,F)003		1.01		0.94				CNRH*2417A**		0.98		0.92		58MV(B,C)080-20					
FK4DNF001		1.00		0.93				CNRH*3017A**		0.99		0.93		58MV(B,C)080-20					
FK4DNF002		0.99		0.93				CSRH*2412A**		1.00		0.93		58MV(B,C)080-20					
CAR**2414A**		0.99		0.93		58CV(A,X)070-12		CSRH*3012A**		0.99		0.93		58MV(B,C)080-20					
CAR**3014A**		0.99		0.93		58CV(A,X)070-12		CNRH*2417A**		0.99		0.93		58MV(B,C)100-20					
CNRH*2417A**		0.99		0.93		58CV(A,X)070-12		CNRH*3017A**		1.00		0.93		58MV(B,C)100-20					
CNRH*3017A**		1.00		0.93		58CV(A,X)070-12		CSRH*2412A**		1.01		0.94		58MV(B,C)100-20					
CNRV*2414A**		0.99		0.93		58CV(A,X)070-12		CSRH*3012A**		1.00		0.93		58MV(B,C)100-20					
CNRV*3014A**		0.99		0.93		58CV(A,X)070-12		CNRH*2417A**		1.00		0.93		58MV(B,C)120-20					
CSRH*2412A**		1.00		0.93		58CV(A,X)070-12		CNRH*3017A**		1.00		0.93		58MV(B,C)120-20					
CSRH*3012A**		1.00		0.93		58CV(A,X)070-12		CSRH*2412A**		1.01		0.94		58MV(B,C)120-20					
CAR**2417A**		0.99		0.93		58CV(A,X)060-16		CNRH*3012A**		1.01		0.94		58MV(B,C)120-20					
CAR**3017A**		1.00		0.93		58CV(A,X)060-16		CNRH*2417A**		0.99		0.93		58MV(B040-14					
CNRH*2417A**		1.00		0.93		58CV(A,X)060-16		CNRH*3017A**		1.01		0.93		58MV(B040-14					
CNRV*2417A**		0.99		0.93		58CV(A,X)060-16		CSRH*3012A**		1.00		0.93		58MV(B040-14					
CNRH*2417A**		1.00		0.93		58CV(A,X)060-16		CAR**2414A**		1.03		0.96		58PH*045-08					
CNRH*2412A**		1.01		0.94		58CV(A,X)060-16		CAR**3014A**		1.03		0.97		58PH*045-08					
CSRH*3012A**		1.01		0.94		58CV(A,X)060-16		CNRH*2417A**		1.03		0.96		58PH*045-08					
CNRH*2417A**		0.99		0.93		58CV(A,X)110-20		CNRH*3017A**		1.03		0.96		58PH*045-08					
CNRH*3017A**		1.00		0.93		58CV(A,X)110-20		CNRV*2414A**		1.03		0.96		58PH*045-08					
CSRH*2412A**		1.01		0.94		58CV(A,X)110-20		CNRV*3017A**		1.03		0.96		58PH*045-08					
CSRH*3012A**		1.01		0.93		58CV(A,X)110-20		CNRV*3014A**		1.03		0.96		58PH*045-08					
CNRH*2417A**		0.99		0.94		58CV(A,X)135-22		CSRH*2412A**		1.03		0.96		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 MBtu/h† Total	Sens†	Total Sys-tem KW**	Capacity MBtu/h† Total	Sens†	Total Sys-tem KW**	Capacity MBtu/h† Total	Sens†	Total Sys-tem KW**	Capacity MBtu/h† Total	Sens†	Total Sys-tem KW**	Capacity MBtu/h† Total	Sens†	Total Sys-tem KW**			
24ABR30(A, G)*3 Outdoor Section With CAR**3014A Indoor Section																			
875	72 (22.2)	32.45	16.76	2.15	31.35	16.36	2.35	30.18	15.94	2.56	28.96	15.51	2.80	27.68	15.06	3.07	26.34	14.59	3.39
	67 (19.4)	29.51	20.72	2.14	28.47	20.31	2.33	27.37	19.88	2.55	26.21	19.42	2.79	25.00	18.95	3.07	23.73	18.46	3.38
	62 (16.7)	27.11	24.65	2.11	26.19	24.20	2.31	25.21	23.71	2.53	24.21	24.09	2.78	23.26	23.26	3.05	22.26	22.26	3.37
1000	57 (13.9)	26.72	26.72	2.11	25.94	25.94	2.31	25.10	25.10	2.53	24.20	24.20	2.78	23.26	23.26	3.05	22.26	22.26	3.37
	72 (22.2)	32.95	17.60	2.20	31.81	17.20	2.39	30.61	16.78	2.61	29.35	16.34	2.85	28.04	15.89	3.12	26.67	15.42	3.43
	67 (19.4)	30.00	22.10	2.19	28.93	21.68	2.38	27.80	21.24	2.60	26.61	20.78	2.84	25.37	20.30	3.12	24.08	19.79	3.43
1125	62 (16.7)	27.82	26.39	2.17	26.91	26.91	2.37	26.04	26.04	2.59	25.10	25.10	2.83	24.11	24.11	3.11	23.07	23.07	3.43
	57 (13.9)	27.76	27.76	2.17	26.93	26.93	2.37	26.04	26.04	2.59	25.10	25.10	2.83	24.11	24.11	3.11	23.07	23.07	3.43
	72 (22.2)	33.31	18.40	2.25	32.14	17.99	2.44	30.91	17.57	2.65	29.62	17.13	2.89	28.28	16.68	3.16	26.89	16.21	3.47
	67 (19.4)	30.37	23.40	2.24	29.28	22.97	2.43	28.12	22.53	2.65	26.92	22.06	2.89	25.66	21.56	3.17	24.35	21.05	3.48
	62 (16.7)	28.61	28.61	2.22	27.74	27.74	2.42	26.81	26.81	2.64	25.83	25.83	2.89	24.80	24.80	3.16	23.72	23.72	3.48
	57 (13.9)	28.62	28.62	2.22	27.74	27.74	2.42	26.82	26.82	2.64	25.84	25.84	2.89	24.81	24.81	3.16	23.73	23.73	3.48

Cooling Indoor Model				Furnace Model			
	Capacity	Power			Capacity	Power	
*CAR**3014A**	1.00	1.00			CSRH*3012A**	0.99	58CV(A,X)110-20
CAR**3017A**	1.00	1.00			CSRH*3612A**	0.99	58CV(A,X)110-20
CAR**3614A**	1.00	1.00			CNRH*3017A**	0.99	58CV(A,X)135-22
CAR**3617A**	1.00	1.00			CNRH*3617A**	0.99	58CV(A,X)135-22
CAR**3621A**	1.00	1.00			CSRH*3012A**	0.99	58CV(A,X)135-22
CNRH*3618A**	1.00	1.00			CSRH*3612A**	0.99	58CV(A,X)135-22
CNRH*3017A**	1.00	1.00			CNRH*3017A**	0.99	58CV(A,X)155-22
CNRH*3617A**	1.00	1.00			CNRH*3617A**	0.99	58CV(A,X)155-22
CNRV*3014A**	1.00	1.00			CSRH*3012A**	0.99	58CV(A,X)155-22
CNRV*3017A**	1.00	1.00			CSRH*3612A**	0.99	58CV(A,X)155-22
CNRV*3617A**	1.00	1.00			CAR**3017A**	0.99	58MV(B,C)060-14
CNRV*3621A**	1.00	1.00			CAR**3617A**	1.00	58MV(B,C)060-14
CSRH*3012A**	1.00	1.00			CNRH*3017A**	1.00	58MV(B,C)060-14
CSRH*3612A**	0.99	0.99			CNRH*3617A**	1.00	58MV(B,C)060-14
FA4CN(F)C030	0.99	0.99			CNRV*3017A**	1.00	58MV(B,C)060-14
FA4GN(F)C036	1.00	1.00			CNRV*3617A**	1.00	58MV(B,C)060-14
FC4DN(F)B036	1.02	0.95			CSRH*3012A**	1.00	58MV(B,C)060-14
FC4DN(F)F030	1.01	0.94			CSRH*3612A**	0.99	58MV(B,C)060-14
FF1ENE030	0.99	0.99			CAR**3621A**	1.02	58MV(B,C)080-14
FF1ENE036	1.00	1.00			CNRH*3017A**	0.99	58MV(B,C)080-14
FK4DN(B,F)003	1.01	0.94			CNRH*3617A**	0.99	58MV(B,C)080-14
FK4DN(B,F)005	1.04	0.97			CNRV*3621A**	0.99	58MV(B,C)080-14
FK4DN(F)001	0.99	0.93			CSRH*3012A**	0.99	58MV(B,C)080-14
FK4DN(F)002	1.01	0.94			CSRH*3612A**	0.99	58MV(B,C)080-14
CAR**3014A**	0.99	0.92		58CV(A,X)070-12	CAR**3621A**	1.02	58MV(B,C)080-20
CAR**3614A**	0.99	0.93		58CV(A,X)070-12	CNRH*3017A**	0.99	58MV(B,C)080-20
CNRH*3017A**	0.99	0.93		58CV(A,X)070-12	CNRH*3617A**	0.99	58MV(B,C)080-20
CNRH*3617A**	0.99	0.93		58CV(A,X)070-12	CNRV*3621A**	0.99	58MV(B,C)080-20
CNRV*3014A**	0.99	0.92		58CV(A,X)070-12	CSRH*3012A**	1.00	58MV(B,C)080-20
CSRH*3012A**	0.99	0.93		58CV(A,X)070-12	CSRH*3612A**	0.99	58MV(B,C)080-20
CSRH*3612A**	0.99	0.93		58CV(A,X)070-12	CAR**3621A**	1.02	58MV(B,C)100-20
CAR**3017A**	0.99	0.93		58CV(A,X)090-16	CNRH*3017A**	0.99	58MV(B,C)100-20
CAR**3617A**	0.99	0.93		58CV(A,X)090-16	CNRH*3617A**	0.99	58MV(B,C)100-20
CNRH*3017A**	0.99	0.93		58CV(A,X)090-16	CSRH*3012A**	0.99	58MV(B,C)100-20
CNRH*3617A**	0.99	0.93		58CV(A,X)090-16	CSRH*3612A**	0.99	58MV(B,C)100-20
CNRV*3017A**	0.99	0.93		58CV(A,X)090-16	CNRH*3017A**	0.99	58MV(B,C)120-20
CSRH*3012A**	0.99	0.93		58CV(A,X)090-16	CNRH*3617A**	0.99	58MV(B,C)120-20
CSRH*3612A**	0.99	0.93		58CV(A,X)090-16	CSRH*3012A**	1.00	58MV(B,C)120-20
CAR**3621A**	1.00	0.93		58CV(A,X)110-20	CSRH*3612A**	0.99	58MV(B,C)120-20
CNRH*3017A**	0.99	0.93		58CV(A,X)110-20	CNRH*3017A**	0.99	58WB/B040-14
CNRH*3617A**	0.99	0.93		58CV(A,X)110-20	CNRH*3617A**	0.99	58WB/B040-14
CNRV*3621A**	0.99	0.93		58CV(A,X)110-20	CSRH*3012A**	0.99	58WB/B040-14

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 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†							
24ABR342(A,G)* Outdoor Section With CAR**2414** Indoor Section																				
1225	72 (22.2)	47.31	25.07	45.67	24.45	43.98	23.81	3.59	42.20	23.15	3.95	40.35	22.46	4.34	38.40	21.75	4.77			
	67 (19.4)	42.97	30.79	41.46	30.16	39.89	29.51	3.55	38.27	28.84	3.91	36.57	28.16	4.30	34.79	27.44	4.73			
	62 (16.7)	39.35	36.51	38.02	35.86	3.20	36.84	35.17	3.52	35.23	34.43	3.88	33.73	32.73	32.42	32.42	4.70			
	57 (13.9)	38.54	38.54	37.44	37.44	3.20	36.29	36.29	3.52	35.07	35.07	3.88	33.78	33.78	32.42	32.42	4.70			
	52 (11.1)	48.07	26.24	46.36	25.60	3.33	44.59	24.95	3.66	42.75	24.28	4.02	40.83	23.58	38.81	22.86	4.84			
1400	72 (22.2)	43.67	32.66	3.01	42.12	32.03	3.30	40.50	31.38	3.62	38.82	30.71	3.98	37.07	30.01	35.24	29.27	4.80		
	67 (19.4)	40.28	39.02	2.99	38.95	38.30	3.28	37.57	37.63	3.60	36.33	36.33	3.96	34.97	34.97	33.53	33.53	4.78		
	62 (16.7)	40.04	38.86	3.27	37.63	37.63	3.73	36.34	36.34	3.60	35.34	35.34	3.96	34.97	34.97	33.53	33.53	4.78		
	57 (13.9)	48.64	27.35	46.87	26.71	3.41	45.05	26.05	3.73	43.15	25.37	4.09	41.18	24.67	39.11	23.94	4.91			
	52 (11.1)	44.25	34.52	3.08	42.65	33.87	3.37	40.99	33.21	3.69	39.26	32.52	4.05	37.46	31.80	35.60	31.04	4.87		
1575	72 (22.2)	41.22	41.22	3.06	40.03	38.73	3.35	38.73	38.73	3.67	37.37	37.37	4.03	35.94	34.43	34.43	34.43	4.86		
	57 (13.9)	41.28	41.28	3.06	40.04	38.73	3.35	38.73	38.73	3.67	37.37	37.37	4.03	35.94	34.43	34.43	34.43	4.86		

Cooling Indoor Model	Capacity	Power	Furnace Model		Cooling Indoor Model	Capacity	Power	Furnace Model		Cooling Indoor Model	Capacity	Power	Furnace Model	
*CAR**4221A**	1.00	1.00			CSRH**4212A**	0.99	0.94	58CV(A,X)135-22	CNRV**4821A**	1.01	0.97	58MBV100-20		
CAR**4224A**	1.00	1.00			CSRH**4812A**	1.00	0.96	58CV(A,X)135-22	CSRH**4212A**	0.99	0.94	58MBV100-20		
CAR**4817A**	1.00	1.00			CAR**4224A**	1.00	0.96	58CV(A,X)155-22	CSRH**4812A**	1.00	0.96	58MBV100-20		
CAR**4821A**	1.02	1.02			CAR**4824A**	1.01	0.97	58CV(A,X)155-22	CAR**4224A**	0.99	0.97	58MBV120-20		
CAR**4824A**	1.02	1.02			CNRH**4821A**	0.99	0.94	58CV(A,X)155-22	CAR**4824A**	1.01	0.97	58MBV120-20		
CNRH*4818A**	1.00	1.00			CNRH**4821A**	1.01	0.97	58CV(A,X)155-22	CNRH**4824A**	1.01	0.97	58MBV120-20		
CNRH*4221A**	1.00	1.00			CNRV*4824A**	0.99	0.94	58CV(A,X)155-22	CNRH**4821A**	1.01	0.97	58MBV120-20		
CNRH*4821A**	1.02	1.02			CSRH**4212A**	0.99	0.96	58CV(A,X)155-22	CNRV*4824A**	0.99	0.94	58MBV120-20		
CNRV*4221A**	1.00	1.00			CAR**4224A**	0.99	0.97	58MBV040-14	CSRH**4212A**	0.99	0.96	58MBV120-20		
CNRV*4824A**	1.02	1.02			CAR**4824A**	1.00	0.98	58MBV040-14	CAR**4817A**	0.98	0.93	58PH*070-16		
CSRH*4212A**	1.00	1.00			CNRH*4221A**	0.99	0.97	58MBV040-14	CNRH**4221A**	0.98	0.96	58PH*070-16		
CSRH*4812A**	1.01	1.01			CNRH*4821A**	1.01	0.99	58MBV040-14	CNRH**4821A**	1.00	0.96	58PH*070-16		
FA4CNI(F)042	1.01	1.01			CNRV*4824A**	0.99	0.97	58MBV040-14	CSRH**4212A**	0.99	0.94	58PH*070-16		
FA4CNI(F)048	1.02	1.02			CSRH**4212A**	0.99	0.97	58MBV040-14	CSRH**4812A**	1.00	0.96	58PH*070-16		
F4DNI(F)042	1.02	1.01			CSRH*4812A**	1.00	0.98	58MBV040-14	CAR**4221A**	1.00	0.93	58PH*090-16		
F4DNI(F)048	1.05	1.00			CAR**4817A**	0.99	0.97	58MBV060-14	CNRV*4821A**	1.00	0.92	58PH*090-16		
FK4DNB006	1.05	1.00			CNRH*4221A**	0.99	0.97	58MBV060-14	CNRH**4221A**	0.99	0.93	58PH*090-16		
FK4DNF003	0.99	0.94			CNRH*4821A**	1.01	0.99	58MBV060-14	CNRV*4821A**	1.00	0.92	58PH*090-16		
FK4DNF005	1.04	0.99			CSRH*4212A**	0.99	0.97	58MBV060-14	CNRV*4821A**	1.00	0.93	58PH*090-16		
CNRH*4221A**	0.99	0.97			CSRH*4812A**	1.00	0.98	58MBV060-14	CNRV*4821A**	1.00	0.92	58PH*090-16		
CNRH*4821A**	1.01	0.99			CAR**4221A**	0.99	0.97	58MBV080-14	CSRH**4212A**	0.99	0.93	58PH*090-16		
CSRH*4212A**	0.99	0.97			CAR**4821A**	1.00	0.98	58MBV080-14	CSRH**4812A**	1.00	0.92	58PH*090-16		
CSRH*4812A**	1.00	0.98			CNRH*4221A**	0.99	0.97	58MBV080-14	CAR**4221A**	0.99	0.93	58PH*110-20		
CAR**4817A**	0.99	0.94			CNRH*4821A**	1.01	0.99	58MBV080-14	CNRV*4821A**	1.00	0.92	58PH*110-20		
CNRH*4821A**	1.01	0.97			CNRV*4221A**	0.99	0.97	58MBV080-14	CNRH**4821A**	1.00	0.93	58PH*110-20		
CNRH*4821A**	0.99	0.94			CSRH*4212A**	0.99	0.97	58MBV080-14	CNRV*4221A**	0.99	0.92	58PH*110-20		
CSRH*4212A**	1.00	0.96			CSRH*4812A**	1.00	0.98	58MBV080-14	CNRV*4821A**	1.00	0.93	58PH*110-20		
CAR**4221A**	1.01	0.97			CAR**4221A**	1.01	0.99	58MBV080-20	CSRH**4212A**	0.99	0.92	58PH*110-20		
CAR**4821A**	0.99	0.94			CAR**4821A**	1.01	0.99	58MBV080-20	CSRH**4812A**	1.00	0.93	58PH*110-20		
CNRH*4821A**	1.01	0.97			CNRH*4821A**	1.01	0.99	58MBV080-20	CAR**4224A**	0.99	0.93	58PH*135-20		
CNRH*4821A**	0.99	0.94			CNRH*4821A**	1.01	0.99	58MBV080-20	CAR**4824A**	1.00	0.92	58PH*135-20		
CNRV*4221A**	1.01	0.97			CNRV*4221A**	0.99	0.97	58MBV080-20	CNRH**4221A**	0.99	0.93	58PH*135-20		
CNRV*4821A**	0.99	0.94			CNRV*4821A**	1.01	0.99	58MBV080-20	CNRH**4821A**	1.00	0.92	58PH*135-20		
CSRH*4212A**	1.00	0.96			CSRH*4212A**	0.99	0.97	58MBV080-20	CNRV*4824A**	1.00	0.93	58PH*135-20		
CSRH*4812A**	1.01	0.98			CSRH*4812A**	1.00	0.98	58MBV080-20	CSRH**4212A**	0.99	0.93	58PH*135-20		
CAR**4221A**	1.00	0.97			CAR**4221A**	1.01	0.99	58MBV080-20	CSRH**4812A**	1.00	0.92	58PH*135-20		
CAR**4821A**	0.99	0.94			CAR**4821A**	1.01	0.99	58MBV080-20	CSRH**4212A**	0.99	0.93	58PH*135-20		
CNRH*4821A**	1.01	0.97			CNRH*4821A**	1.01	0.99	58MBV080-20	CAR**4224A**	0.99	0.92	58PH*135-20		
CNRH*4821A**	0.99	0.94			CNRH*4821A**	1.01	0.99	58MBV080-20	CAR**4824A**	1.00	0.92	58PH*135-20		
CNRV*4221A**	1.01	0.97			CNRV*4221A**	0.99	0.97	58MBV080-20	CNRH**4221A**	0.99	0.93	58PH*135-20		
CNRV*4821A**	0.99	0.94			CNRV*4821A**	1.01	0.99	58MBV080-20	CNRH**4821A**	1.00	0.92	58PH*135-20		
CSRH*4212A**	1.00	0.96			CSRH*4212A**	0.99	0.97	58MBV080-20	CNRV*4824A**	1.00	0.93	58PH*135-20		
CSRH*4812A**	1.01	0.98			CSRH*4812A**	1.00	0.98	58MBV080-20	CSRH**4212A**	0.99	0.93	58PH*135-20		
CAR**4221A**	1.00	0.97			CAR**4221A**	1.01	0.99	58MBV080-20	CSRH**4812A**	1.00	0.92	58PH*135-20		
CAR**4821A**	0.99	0.94			CAR**4821A**	1.01	0.99	58MBV080-20	CSRH**4212A**	0.99	0.93	58PH*135-20		
CNRH*4821A**	1.01	0.97			CNRH*4821A**	1.01	0.99	58MBV080-20	CAR**4224A**	0.99	0.92	58PH*135-20		
CNRH*4821A**	0.99	0.94			CNRH*4821A**	1.01	0.99	58MBV080-20	CAR**4824A**	1.00	0.92	58PH*135-20		
CNRV*4221A**	1.01	0.97			CNRV*4221A**	0.99	0.97	58MBV080-20	CNRH**4221A**	0.99	0.93	58PH*135-20		
CNRV*4821A**	0.99	0.94			CNRV*4821A**	1.01	0.99	58MBV080-20	CNRH**4821A**	1.00	0.92	58PH*135-20		
CSRH*4212A**	1.00	0.96			CSRH*4212A**	0.99	0.97	58MBV080-20	CNRV*4824A**	1.00	0.93	58PH*135-20		
CSRH*4812A**	1.01	0.98			CSRH*4812A**	1.00	0.98	58MBV080-20	CSRH**4212A**	0.99	0.93	58PH*135-20		
CAR**4221A**	1.00	0.97			CAR**4221A**	1.01	0.99	58MBV080-20	CSRH**4812A**	1.00	0.92	58PH*135-20		
CAR**4821A**	0.99	0.94			CAR**4821A**	1.01	0.99	58MBV080-20	CSRH**4212A**	0.99	0.93	58PH*135-20		
CNRH*4821A**	1.01	0.97			CNRH*4821A**	1.01	0.99	58MBV080-20	CAR**4224A**	0.99	0.92	58PH*135-20		
CNRH*4821A**	0.99	0.94			CNRH*4821A**	1.01	0.99	58MBV080-20	CAR**4824A**	1.00	0.92	58PH*135-20		
CNRV*4221A**	1.01	0.97			CNRV*4221A**	0.99	0.97	58MBV080-20	CNRH**4221A**	0.99	0.93	58PH*135-20		
CNRV*4821A**	0.99	0.94			CNRV*4821A**	1.01	0.99	58MBV080-20	CNRH**4821A**	1.00	0.92	58PH*135-20		
CSRH*4212A**	1.00	0.96			CSRH*4212A**	0.99	0.97	58MBV080-20	CNRV*4824A**	1.00	0.93	58PH*135-20		
CSRH*4812A**	1.01	0.98			CSRH*4812A**	1.00	0.98	58MBV080-20	CSRH**4212A**	0.99	0.93	58PH*135-20		
CAR**4221A**	1.00	0.97			CAR**4221A**	1.01	0.99	58MBV080-20	CSRH**4812A**	1.00	0.92	58PH*135-20		
CAR**4821A**	0.99	0.94			CAR**4821A**	1.01	0.99	58MBV080-20	CSRH**4212A**	0.99	0.93	58PH*135-20		
CNRH*4821A**	1.01	0.97			CNRH*4821A**	1.01	0.99	58MBV080-20	CAR**4224A**	0.99	0.92	58PH*135-20		
CNRH*4821A**	0.99	0.94			CNRH*4821A**	1.01	0.99	58MBV080-20	CAR**4824A**	1.00	0.92	58PH*135-20		
CNRV*4221A**	1.01	0.97			CNRV*4221A**	0.99	0.97	58MBV080-20	CNRH**4221A**	0.99	0.93	58PH*135-20		
CNRV*4821A**	0.99	0.94			CNRV*4821A**	1.01	0.99	58MBV080-20	CNRH**4821A**	1.00	0.92	58PH*135-20		
CSRH*4212A**	1.00	0.96			CSRH*4212A**	0.99	0.97	58MBV080-20	CNRV*4824A**	1.00	0.93	58PH*135-20		
CSRH*4812A**	1.01	0.98			CSRH*4812A**	1.00	0.98	58MBV080-20	CSRH**4212A**	0.99	0.93	58PH*135-20		
CAR**4221A**	1.00	0.97			CAR**4221A**	1.01	0.99	58MBV080-20	CSRH**4812A**	1.00	0.92	58PH*135-20		
CAR**4821A**	0.99	0.94			CAR**4821A**	1.0								

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 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**	Capacity MBtuHt		Total System KW**				
		Total	Sens†				Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		
24BAR348(A,G)*1 Outdoor Section With CAR**4821A** Indoor Section																									
1400	72 (22.2)	54.29	28.34	3.42	52.13	27.51	3.71	49.95	26.68	4.04	47.78	25.86	4.41	45.58	25.04	4.82	43.34	24.21	5.27						
	67 (19.4)	49.26	34.53	3.38	47.24	33.67	3.67	45.19	32.81	3.99	43.16	31.97	4.35	41.08	31.12	4.74	38.98	30.27	5.18						
	62 (16.7)	44.79	40.67	3.34	42.95	39.78	3.63	41.11	38.98	3.94	39.27	37.33	4.29	37.46	37.03	4.68	35.80	35.80	5.11						
	57 (13.9)	43.36	43.36	3.33	41.90	41.90	3.61	40.41	40.41	3.93	38.91	38.91	4.28	37.37	37.37	4.67	35.80	35.80	5.11						
	72 (22.2)	55.34	29.69	3.50	53.08	28.85	3.80	50.82	28.01	4.13	48.57	27.18	4.50	46.28	26.35	4.90	43.96	25.51	5.36						
1600	67 (19.4)	50.23	36.68	3.46	48.13	35.81	3.75	46.00	34.94	4.07	43.90	34.09	4.43	41.76	33.24	4.83	39.60	32.37	5.27						
	62 (16.7)	45.90	43.58	3.43	44.03	42.64	3.71	42.18	41.65	4.03	40.47	40.47	4.38	38.85	38.85	4.78	37.19	37.19	5.22						
	57 (13.9)	45.23	45.23	3.42	43.66	43.66	3.71	42.08	42.08	4.03	40.48	40.48	4.39	38.86	38.86	4.78	37.19	37.19	5.22						
1800	72 (22.2)	56.11	30.76	3.58	53.78	30.10	3.88	51.45	29.25	4.21	49.13	28.41	4.58	46.79	27.58	4.99	44.41	26.73	5.44						
	67 (19.4)	50.96	38.71	3.54	48.79	37.84	3.83	46.61	36.97	4.16	44.45	36.10	4.52	42.27	35.24	4.92	40.06	34.36	5.36						
	62 (16.7)	46.90	46.19	3.51	45.07	45.07	3.80	43.45	43.45	4.12	41.77	41.77	4.48	40.06	40.06	4.88	38.32	38.32	5.32						
57 (13.9)	46.76	46.76	3.51	45.12	45.12	3.80	43.45	43.45	4.12	41.77	41.77	4.48	40.07	40.07	4.88	38.33	38.33	5.32							
Cooling Indoor Model		Capacity	Power	Furnace Model		Cooling Indoor Model		Capacity	Power	Furnace Model		Cooling Indoor Model		Capacity	Power	Furnace Model									
*CAR**4821A**		1.00	1.00	CAR**4821A**		CNRV**4824A**		1.00	0.98	56CV(A,X)155-22		CNRH**4821A**		0.99	0.93	58PH*135-20									
CAR**4817A**		1.00	1.00	CAR**4817A**		CNRV**6024A**		1.02	0.98	56CV(A,X)155-22		CNRV**4824A**		1.02	0.96	58PH*135-20									
CAR**6021A**		1.03	1.03	CAR**4812A**		CSRH**4812A**		1.00	0.98	56CV(A,X)155-22		CNRV**4824A**		0.99	0.93	58PH*135-20									
CAR**6024A**		1.03	1.03	CSRH**6012A**		CSRH**6012A**		1.02	0.96	56CV(A,X)155-22		CNRV**6024A**		1.02	0.96	58PH*135-20									
CNRF*4818A**		0.98	0.98	CAR**4821A**		CAR**4821A**		0.98	0.98	58MV/B080-20		CSRH**4812A**		0.99	0.93	58PH*135-20									
CNRFH*4821A**		1.01	1.01	CNRFH*4821A**		CAR**6021A**		1.01	0.99	58MV/B080-20		CSRH**6012A**		1.02	0.96	58PH*135-20									

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)			Total System KW**
		Capacity Total	MBtu/h† Sens†	Total System KW**	Capacity Total	MBtu/h† Sens†	Total System KW**	Capacity Total	MBtu/h† Sens†	Total System KW**	Capacity Total	MBtu/h† Sens†	Total System KW**	Capacity Total	MBtu/h† Sens†	Total System KW**	Capacity Total	MBtu/h† Sens†	Total System KW**	
1700	72 (22.2)	66.33	34.22	4.34	63.89	33.30	4.71	61.36	32.37	5.15	58.72	31.40	5.67	55.92	30.38	6.29	52.94	29.31	7.01	
	67 (19.4)	60.54	42.01	4.27	58.32	41.09	4.65	56.00	40.15	5.09	53.56	39.16	5.61	50.96	38.12	6.22	48.17	37.01	6.94	
	62 (16.7)	55.46	49.74	4.20	53.47	48.79	4.58	51.40	47.80	5.03	49.23	46.73	5.55	46.95	45.53	6.16	44.71	44.71	6.87	
	57 (13.9)	53.96	53.96	4.18	52.35	52.35	4.57	50.65	50.65	5.02	48.83	48.83	5.54	46.86	46.86	6.15	44.72	44.72	6.87	
1950	72 (22.2)	67.45	35.90	4.45	64.90	34.97	4.82	62.27	34.02	5.26	59.53	33.04	5.78	56.83	32.01	6.39	53.55	30.93	7.11	
	67 (19.4)	61.64	44.75	4.38	59.32	43.82	4.76	56.91	42.86	5.20	54.38	41.86	5.72	51.69	40.80	6.33	48.82	39.67	7.05	
	62 (16.7)	56.80	53.41	4.32	54.78	52.37	4.70	52.71	52.29	5.15	50.70	50.70	5.67	48.61	48.61	6.29	46.34	46.34	7.01	
	57 (13.9)	56.20	56.20	4.31	54.47	54.47	4.70	52.65	52.65	5.15	50.71	50.71	5.67	48.61	48.61	6.28	46.34	46.34	7.01	
2200	72 (22.2)	68.26	37.49	4.56	65.61	36.55	4.92	62.90	35.59	5.36	60.08	34.59	5.88	57.10	33.56	6.49	53.95	32.47	7.21	
	67 (19.4)	62.46	47.37	4.49	60.05	46.41	4.87	57.57	45.44	5.31	54.97	44.41	5.83	52.22	43.33	6.44	49.30	42.18	7.16	
	62 (16.7)	57.95	57.95	4.43	56.18	56.18	4.82	54.25	54.25	5.27	52.20	52.20	5.79	50.00	50.00	6.41	47.62	47.62	7.13	
	57 (13.9)	58.01	58.01	4.43	56.18	56.18	4.82	54.26	54.26	5.27	52.20	52.20	5.79	50.00	50.00	6.41	47.63	47.63	7.13	
Cooling Indoor Model		Capacity	Power	Furnace Model																
*CAR**6024A**		1.00	1.00																	
CAR**6021A**		0.99	0.99																	
CNRH**6024A**		1.00	1.00																	
CNRV**6024A**		1.00	1.00																	
CSRH**6012A**		1.00	1.00																	
F4ACN(B,C)060		1.00	1.00																	
FC4DNF(B)060		1.00	0.98																	
FK4DNB006		1.01	0.95																	
CAR**6024A**		0.98	0.96	58CV(A,X)135-22																
CNRH**6024A**		0.98	0.96	58CV(A,X)135-22																
CNRV**6024A**		0.99	0.99	58CV(A,X)135-22																
CSRH**6012A**		1.00	0.98	58CV(A,X)135-22																
CAR**6024A**		1.00	0.98	58CV(A,X)155-22																
CNRH**6024A**		0.99	0.95	58CV(A,X)155-22																
CNRV**6024A**		0.99	0.95	58CV(A,X)155-22																
CSRH**6012A**		1.00	0.96	58CV(A,X)155-22																
CAR**6021A**		0.97	0.97	58PH*090-16																
CNRH**6024A**		0.98	0.98	58PH*090-16																
CSRH**6012A**		0.98	0.98	58PH*090-16																
CAR**6021A**		0.98	0.96	58PH*110-20																
CNRH**6024A**		0.99	0.97	58PH*110-20																
CSRH**6012A**		1.00	0.98	58PH*110-20																
CAR**6024A**		0.99	0.97	58PH*135-20																
CNRH**6024A**		0.99	0.97	58PH*135-20																
CNRV**6024A**		0.99	0.97	58PH*135-20																
CSRH**6012A**		1.00	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 Btu/h (245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btu/h (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C).

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

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

EWB — Entering Wet Bulb

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

CONDENSER ONLY RATINGS*

SST		CONDENSER ENTERING AIR TEMPERATURES °F (°C)							
°F (°C)		55 (12.78)	65 (18.33)	75 (23.89)	85 (29.44)	95 (35.0)	105 (40.56)	115 (46.11)	125 (51.67)
24ABR318(A,G)32									
30	TCG	15.30	14.40	13.60	12.90	12.10	11.40	10.60	9.80
	SDT	68.80	77.90	87.20	96.60	106.00	115.50	125.00	134.50
	KW	0.83	0.93	1.03	1.14	1.26	1.40	1.56	1.75
35	TCG	17.00	16.00	15.10	14.30	13.50	12.70	11.90	10.90
	SDT	70.30	79.30	88.50	97.80	107.20	116.60	126.10	135.50
	KW	0.84	0.94	1.04	1.15	1.27	1.41	1.58	1.77
40	TCG	18.70	17.70	16.70	15.90	15.00	14.10	13.20	12.20
	SDT	71.80	80.70	89.80	99.10	108.40	117.80	127.20	136.50
	KW	0.85	0.95	1.05	1.16	1.28	1.43	1.60	1.79
45	TCG	20.50	19.40	18.40	17.50	16.50	15.60	14.60	13.50
	SDT	73.30	82.20	91.20	100.40	109.70	119.00	128.30	137.60
	KW	0.86	0.96	1.06	1.17	1.30	1.44	1.61	1.81
50	TCG	22.40	21.30	20.20	19.20	18.20	17.10	16.10	14.90
	SDT	75.00	83.70	92.70	101.80	111.00	120.20	129.50	138.80
	KW	0.87	0.97	1.07	1.18	1.31	1.46	1.63	1.83
55	TCG	24.40	23.20	22.10	21.00	19.90	18.80	17.60	16.40
	SDT	76.70	85.30	94.20	103.20	112.30	121.50	130.70	140.00
	KW	0.88	0.97	1.08	1.19	1.32	1.47	1.65	1.85
24ABR324(A,G)33									
30	TCG	19.60	18.90	18.20	17.30	16.30	15.00	13.60	12.00
	SDT	71.10	80.30	89.50	98.80	108.10	117.30	126.30	135.20
	KW	1.14	1.24	1.37	1.51	1.69	1.89	2.12	2.38
35	TCG	21.70	20.90	20.10	19.20	18.10	16.90	15.50	13.90
	SDT	72.80	81.80	91.00	100.20	109.50	118.60	127.70	136.70
	KW	1.15	1.25	1.38	1.53	1.70	1.90	2.13	2.38
40	TCG	24.00	23.10	22.20	21.20	20.10	18.80	17.40	15.90
	SDT	74.60	83.50	92.50	101.70	110.90	120.00	129.20	138.20
	KW	1.16	1.27	1.39	1.54	1.71	1.91	2.14	2.39
45	TCG	26.50	25.40	24.30	23.30	22.10	20.80	19.40	17.80
	SDT	76.60	85.30	94.20	103.20	112.30	121.50	130.60	139.60
	KW	1.17	1.28	1.41	1.56	1.73	1.93	2.15	2.41
50	TCG	29.20	27.90	26.70	25.50	24.20	22.90	21.40	19.80
	SDT	78.60	87.10	95.90	104.80	113.80	122.90	132.00	141.00
	KW	1.17	1.29	1.42	1.57	1.75	1.95	2.17	2.42
55	TCG	32.10	30.60	29.20	27.80	26.40	25.00	23.50	21.90
	SDT	80.80	89.20	97.70	106.50	115.40	124.40	133.40	142.40
	KW	1.18	1.30	1.43	1.59	1.77	1.96	2.19	2.44
24ABR330(A,G)33									
30	TCG	24.50	23.50	22.50	21.30	20.10	18.90	17.50	16.10
	SDT	71.20	80.30	89.60	98.80	108.10	117.50	126.80	136.10
	KW	1.30	1.46	1.63	1.81	2.00	2.21	2.44	2.70
35	TCG	27.30	26.10	24.90	23.70	22.30	20.90	19.50	17.90
	SDT	73.00	82.00	91.10	100.20	109.50	118.70	128.00	137.20
	KW	1.32	1.48	1.65	1.83	2.03	2.24	2.48	2.75
40	TCG	30.20	28.90	27.60	26.20	24.70	23.20	21.60	20.00
	SDT	74.90	83.70	92.70	101.70	110.90	120.00	129.30	138.50
	KW	1.35	1.51	1.68	1.86	2.06	2.28	2.52	2.80
45	TCG	33.30	31.80	30.30	28.80	27.20	25.60	23.90	22.20
	SDT	76.80	85.50	94.40	103.30	112.40	121.50	130.60	139.80
	KW	1.39	1.54	1.71	1.89	2.09	2.31	2.56	2.84
50	TCG	36.40	34.90	33.30	31.60	29.90	28.20	26.40	24.60
	SDT	78.80	87.40	96.10	105.00	113.90	123.00	132.10	141.20
	KW	1.42	1.57	1.73	1.91	2.11	2.33	2.58	2.86
55	TCG	39.70	38.00	36.30	34.60	32.80	31.00	29.10	27.20
	SDT	80.80	89.30	97.90	106.70	115.60	124.60	133.60	142.70
	KW	1.43	1.58	1.74	1.92	2.11	2.33	2.58	2.87

See notes on page 29

24ABR3

CONDENSER ONLY RATINGS*

SST		CONDENSER ENTERING AIR TEMPERATURES °F (°C)							
°F (°C)		55 (12.78)	65 (18.33)	75 (23.89)	85 (29.44)	95 (35.0)	105 (40.56)	115 (46.11)	125 (51.67)
24ABR336(A,G)33									
30	TCG	30.10	29.00	27.70	26.30	24.80	23.00	21.10	19.00
	SDT	73.40	82.30	91.20	100.30	109.30	118.40	127.50	136.40
	KW	1.63	1.81	2.00	2.20	2.43	2.70	3.01	3.37
35	TCG	33.50	32.10	30.70	29.20	27.50	25.60	23.60	21.40
	SDT	75.40	84.10	92.90	101.80	110.80	119.80	128.80	137.70
	KW	1.67	1.85	2.04	2.24	2.47	2.73	3.04	3.40
40	TCG	37.00	35.50	33.90	32.20	30.40	28.40	26.30	24.00
	SDT	77.60	86.10	94.70	103.50	112.40	121.30	130.20	139.10
	KW	1.73	1.90	2.09	2.29	2.51	2.78	3.08	3.44
45	TCG	40.60	38.90	37.20	35.40	33.40	31.30	29.10	26.70
	SDT	79.80	88.10	96.60	105.30	114.00	122.90	131.70	140.50
	KW	1.77	1.95	2.13	2.33	2.56	2.82	3.13	3.49
50	TCG	44.30	42.50	40.60	38.60	36.50	34.30	32.00	29.40
	SDT	82.00	90.10	98.50	107.10	115.70	124.50	133.20	142.00
	KW	1.81	1.98	2.16	2.37	2.59	2.86	3.17	3.53
55	TCG	48.00	46.00	44.00	41.90	39.70	37.40	34.90	32.30
	SDT	84.10	92.10	100.40	108.80	117.40	126.10	134.70	143.40
	KW	1.82	1.99	2.18	2.38	2.61	2.87	3.18	3.55
24ABR342(A,G)31									
30	TCG	37.30	35.60	34.00	32.30	30.50	28.70	26.90	25.00
	SDT	72.90	81.90	91.00	100.10	109.40	118.70	128.00	137.40
	KW	1.94	2.16	2.41	2.69	3.00	3.34	3.71	4.10
35	TCG	41.00	39.30	37.50	35.60	33.80	31.90	29.90	27.90
	SDT	74.60	83.50	92.50	101.60	110.80	120.00	129.30	138.60
	KW	1.97	2.19	2.44	2.72	3.03	3.37	3.75	4.15
40	TCG	45.00	43.10	41.20	39.20	37.20	35.20	33.00	30.90
	SDT	76.50	85.20	94.10	103.10	112.20	121.40	130.60	139.80
	KW	2.00	2.22	2.47	2.75	3.06	3.41	3.78	4.19
45	TCG	49.30	47.30	45.20	43.10	40.90	38.70	36.40	34.10
	SDT	78.40	87.00	95.80	104.70	113.70	122.80	131.90	141.10
	KW	2.03	2.25	2.50	2.78	3.10	3.44	3.82	4.23
50	TCG	53.90	51.70	49.40	47.10	44.80	42.40	39.90	37.40
	SDT	80.50	89.00	97.60	106.40	115.30	124.30	133.40	142.50
	KW	2.07	2.29	2.54	2.82	3.13	3.48	3.86	4.28
55	TCG	58.70	56.30	53.90	51.40	48.90	46.30	43.70	41.00
	SDT	82.60	91.00	99.50	108.20	117.00	125.90	134.90	143.90
	KW	2.11	2.33	2.58	2.86	3.17	3.52	3.91	4.32
24ABR348(A,G)32									
30	TCG	43.30	40.70	38.10	35.60	33.10	30.50	28.00	25.60
	SDT	72.60	81.40	90.20	99.20	108.30	117.40	126.60	135.90
	KW	2.32	2.53	2.75	3.00	3.26	3.54	3.84	4.15
35	TCG	48.10	45.40	42.70	40.00	37.30	34.70	32.00	29.40
	SDT	74.50	83.10	91.90	100.80	109.80	119.00	128.10	137.30
	KW	2.36	2.57	2.80	3.06	3.34	3.64	3.96	4.30
40	TCG	53.30	50.40	47.50	44.70	41.80	39.00	36.20	33.40
	SDT	76.50	85.00	93.70	102.50	111.50	120.50	129.60	138.80
	KW	2.39	2.61	2.85	3.11	3.41	3.73	4.07	4.44
45	TCG	58.90	55.80	52.70	49.60	46.60	43.60	40.70	37.70
	SDT	78.60	87.00	95.60	104.30	113.20	122.20	131.20	140.30
	KW	2.43	2.65	2.89	3.17	3.47	3.80	4.17	4.56
50	TCG	64.80	61.40	58.10	54.80	51.60	48.40	45.30	42.10
	SDT	80.80	89.10	97.50	106.10	115.00	123.90	132.90	141.90
	KW	2.47	2.69	2.94	3.22	3.53	3.88	4.26	4.67
55	TCG	71.00	67.30	63.80	60.20	56.80	53.40	50.10	46.70
	SDT	83.00	91.30	99.60	108.10	116.80	125.60	134.60	143.50
	KW	2.51	2.73	2.99	3.27	3.59	3.95	4.34	4.77

See notes on page 29

CONDENSER ONLY RATINGS*

SST		CONDENSER ENTERING AIR TEMPERATURES °F (°C)							
°F (°C)		55 (12.78)	65 (18.33)	75 (23.89)	85 (29.44)	95 (35.0)	105 (40.56)	115 (46.11)	125 (51.67)
24ABR360(A,G)36									
30	TCG	52.00	49.50	47.10	44.60	41.90	39.10	36.10	32.80
	SDT	75.00	83.90	93.00	102.20	111.30	120.50	129.60	138.60
	KW	2.71	3.02	3.35	3.71	4.12	4.58	5.10	5.71
35	TCG	57.40	54.70	52.00	49.30	46.50	43.50	40.30	37.00
	SDT	77.00	85.80	94.80	103.90	113.00	122.10	131.10	140.10
	KW	2.79	3.09	3.41	3.77	4.18	4.65	5.19	5.81
40	TCG	63.20	60.20	57.30	54.40	51.30	48.20	44.80	41.30
	SDT	79.10	87.80	96.70	105.60	114.70	123.70	132.70	141.70
	KW	2.88	3.17	3.49	3.85	4.26	4.74	5.29	5.93
45	TCG	69.30	66.00	62.80	59.60	56.40	53.00	49.50	45.80
	SDT	81.30	89.90	98.60	107.50	116.40	125.40	134.40	143.30
	KW	2.98	3.26	3.57	3.93	4.34	4.82	5.39	6.03
50	TCG	75.60	72.00	68.50	65.10	61.60	58.00	54.20	50.30
	SDT	83.50	92.00	100.60	109.40	118.20	127.10	136.00	144.90
	KW	3.08	3.34	3.65	4.00	4.42	4.90	5.47	6.14
55	TCG	82.00	78.10	74.30	70.50	66.80	63.00	59.00	54.90
	SDT	85.70	94.10	102.60	111.30	120.00	128.90	137.70	146.50
	KW	3.17	3.42	3.72	4.06	4.48	4.97	5.55	6.22

* ARI listing applies only to systems shown in Combination Ratings table.

KW – Outdoor Unit Kilowatts Only.

SDT – Saturated Temperature Leaving Compressor (°F/°C)

SST – Saturated Temperature Entering Compressor (°F/°C)

TCG – Gross Cooling Capacity (1000 Btuh)

24ABR3

GUIDE SPECIFICATIONS

GENERAL

System Description

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

Quality Assurance

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

Delivery, Storage, and Handling

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

Warranty (for inclusion by specifying engineer)

- U.S. and Canada only.

PRODUCTS

Equipment

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

Unit Cabinet

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

AIR-COOLED, SPLIT-SYSTEM AIR CONDITIONER

24ABR3

1-1/2 TO 5 NOMINAL TONS

Fans

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

Compressor

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

Condenser Coil

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

Refrigeration Components

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

Operating Characteristics

- The capacity of the unit will meet or exceed _____ Btuh at a suction temperature of _____ °F/°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.