

24ABB4 Base™ 14 Air Conditioner with Puron® Refrigerant



Turn to the Experts.™

Product Data



Carrier's Air Conditioners with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 24ABB has been designed utilizing Carrier's Puron refrigerant. The environmentally sound refrigerant allows you to make a responsible decision in the protection of the earth's ozone layer.

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

- 14 - 15 SEER/10.55 - 12 EER
- Microtube Technology™ refrigeration system
- Indoor air quality accessories available

Sound

- Sound level as low as 76 dBA
- Sound level as low as 74 dBA with accessory sound blanket

Comfort

- System supports Thermostat™ or standard thermostat controls

Reliability

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

Durability

WeatherArmor™ protection package:

- Solid, durable sheet metal construction
- Dense 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 80 ft. (24.38 m) evaporator above condenser (See Longline Guide for more information.)
- Low ambient (down to -20°F/-28.9°C) with accessory kit

Warranty

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

MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12	13
N	N	A	A	A/N	N	N	N	A/N	A/N	A/N	N	N
2	4	A	B	B	4	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	B=Puron	4=14 SEER		A=Standard	0=Not Defined	0=Not Defined	3=208/230-1	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
Puron Refrigerant	X	X	X	X	X	X	X
Maximum SEER	15.5	15.5	15.5	15.5	15.0	15.0	14.5
Scroll Compressor	X	X	X	X	X	X	X
Dense Wire Coil Guard	X	X	X	X	X	X	X
Field Installed Filter Drier	X	X	X	X	X	X	X
Front Seating Service Valves	X	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X	X
Long Line capability	X	X	X	X	X	X	X
Low Ambient capability with Kit	X	X	X	X	X	X	X

X = Standard

PHYSICAL DATA

UNIT SIZE – VOLTAGE, SERIES	18 – 30	24 – 30	30 – 30	36 – 30	42 – 30	48 – 30	60 – 30
Operating Weight lb (kg)	171 (77.56)	185 (83.92)	188 (85.28)	191 (86.64)	225 (102.10)	231 (104.78)	272 (123.38)
Shipping Weight lb (kg)	199 (90.27)	214 (97.07)	217 (98.43)	225 (102.06)	263 (119.29)	269 (122.02)	310 (140.61)
Compressor Type	Scroll						
REFRIGERANT	Puron® (R – 410A)						
Control	TXV (Puron® Hard Shutoff)						
Charge lb (kg)	5.7 (2.59)	7.25 (3.29)	7.1 (3.22)	7.25 (3.29)	8.7 (3.95)	9.5 (4.31)	11.4 (5.17)
COND FAN	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	2235	2615	3170	3800	3800	3800	4050
Motor HP	1/12	1/10	1/5	1/5	1/5	1/5	1/5
Motor RPM	800	1100	1100	800	800	800	800
COND COIL							
Face Area (Sq ft)	19.40	23.71	23.71	22.63	25.15	25.15	25.15
Fins per In.	25	25	25	25	25	25	20
Rows	1	1	1	1	1	1	2
Circuits	3	4	4	5	6	7	7
VALVE CONNECT. (In. ID)							
Vapor	5/8	5/8	3/4	3/4	7/8	7/8	7/8
Liquid	3/8	3/8	3/8	3/8	3/8	3/8	3/8
REFRIGERANT TUBES (In. OD)							
Rated Vapor*	5/8		3/4		7/8		1 – 1/8
Liquid	3/8						

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

Note: See unit Installation Instruction for proper installation.

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

Unit Nomi- nal 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 1 Stage Puron AC	3/8	1/2	1	2	3	4	6	7	8	9	10	
		5/8	0	0	1	1	1	2	2	3	3	
24000 1 Stage Puron AC	3/8	5/8	0	1	1	2	3	3	4	4	5	
		3/4	0	0	0	0	1	1	1	1	1	
		7/8	0	0	0	0	0	0	0	0	0	
30000 1 Stage Puron AC	3/8	5/8	1	2	3	3	4	5	6	7	8	
		3/4	0	0	1	1	1	2	2	2	3	
		7/8	0	0	0	0	1	1	1	1	1	
36000 1 Stage Puron AC	3/8	5/8	1	2	4	5	6	7	9	10	11	
		3/4	0	0	1	1	2	2	3	3	4	
		7/8	0	0	0	0	1	1	1	1	2	
42000 1 Stage Puron AC	3/8	3/4	0	1	2	2	3	4	4	5	6	
		7/8	0	0	1	1	1	2	2	2	3	
		1 1/8	0	0	0	0	0	0	0	0	0	
48000 1 Stage Puron AC	3/8	3/4	0	1	2	3	4	5	5	6	7	
		7/8	0	0	1	1	2	2	2	3	3	
		1 1/8	0	0	0	0	0	0	0	1	1	
60000 1 Stage Puron AC	3/8	3/4	1	2	4	5	6	7	9	10	11	
		7/8	0	1	2	2	3	4	4	5	5	
		1 1/8	0	0	0	1	1	1	1	1	1	

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

ACCESSORY THERMOSTATS

THERMOSTAT / SUBBASE PKG.	DESCRIPTION
TP-PRH-01	Programmable Thermidistat
TP-NRH-01	Non-programmable Thermidistat
TB-PAC-01	Base Series Programmable AC Stat
TB-NAC-01	Base Series Non-programmable AC Stat
TSTATCCPRH01-B	Thermidistat 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

ACCESSORIES

KIT NUMBER	DESCRIPTION	Size – Voltage & Series						
		18-30	24-30	30-30	36-30	42-30	48-30	60-30
KAAFT0101AAA	FREEZE THERMOSTAT	X	X	X	X	X	X	X
KAATD0101TDR	TIME DELAY RELAY	X	X	X	X	X	X	X
KSALA0301410	LOW AMBIENT PSW	X	X	X	X	X	X	X
KSALA0601AAA†	MOTORMASTER 230V	X	X	X	X	X	X	X
HC32GE228	MOTOR FAN BALL BEARING	X	X	X				
HC34GE229	MOTOR FAN BALL BEARING				X	X	X	X
KSAHS1701AAA	HARD START (CAP / RELAY)	X	X	X	X	X	X	X
KSACY0101AAA	CYCLE PROTECTOR	X	X	X	X	X	X	X
KSASF0101AAA	SUPPORT FEET	X	X	X	X	X	X	X
KAACS0201PTC	START ASSIST PTC	X	X	X	X	X	X	X
KAALS0201LLS	LIQUID LINE SOLENOID	X	X	X	X	X	X	X
KAAWS0101AAA	WINTER START	X	X	X	X	X	X	X
KAACH1201AAA	CRANKCASE HTR					X	X	X
KAACH1401AAA	CRANKCASE HTR	X	X	X	X			
KSATX0201PUR	TXV PURON HSO	X	X	X				
KSATX0301PUR	TXV PURON HSO				X	X		
KSATX0401PUR	TXV PURON HSO						X	
KSATX0501PUR	TXV PURON HSO							X
KSASH0601COP	SOUND HOOD	X	X	X	X	X	X	
KSASH2101COP	SOUND HOOD							X
KAALP0401PUR	LOW PRESSURE SWITCH	X	X	X	X	X	X	X
KAHI0501PUR	HIGH PRESSURE SWITCH	X	X	X	X	X	X	X

† Required accessories include ball bearing fan motor, compressor start assist (CAP / Relay), crankcase heater, evaporator freeze stat, hard shut-off TXV.
X = Accessory

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® Control 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.

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

Accessory Description and Usage (Listed Alphabetically)

1. Ball-Bearing Fan Motor

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

Usage Guideline:

Required on all units when MotorMaster® is used.

2. Compressor Start Assist - Capacitor and Relay

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

Usage Guideline:

Required for reciprocating compressors in the following applications:

Long line

Low ambient cooling

Hard shut off expansion valve on indoor coil

Liquid line solenoid on indoor coil

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

Long line

Low ambient cooling

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

3. Compressor Start Assist — PTC Type

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

Usage Guideline:

Suggested in installations with marginal power supply.

4. Crankcase Heater

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

Usage Guideline:

Required in low ambient cooling applications.

Required in long line applications.

Suggested in all commercial applications.

5. Cycle Protector

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

6. Evaporator Freeze Thermostat

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

Usage Guideline:

Required when low ambient kit has been added.

7. Low-Ambient Pressure Switch Kit

A long life pressure switch which is mounted to outdoor unit service valve. It is designed to cycle the outdoor fan motor in order to maintain head pressure within normal operating limits (approximately 100 psig to 225 psig). The control will maintain working head pressure at low-ambient temperatures down to 0°F (-18°C) when properly installed.

Usage Guideline:

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

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 ± 5.5°C).

Usage Guideline:

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

Suggested for all commercial applications.

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 also

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

Usage Guideline:

Suggested for all Carrier thermostats listed in this publication.

Accessory Description and Usage (Listed Alphabetically) (Continued)

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.

12. Thermostatic Expansion Valve (TXV)

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

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

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

Usage Guideline:

Required to achieve ARI ratings in certain equipment combinations. Refer to combination ratings.

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

Required for use on all zoning systems.

13. Time-Delay Relay

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

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

Usage Guideline:

For improved efficiency ratings for certain combinations of indoor and outdoor units. Refer to ARI Unitary Directory.

14. Winter Start Control

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

ELECTRICAL DATA

UNIT SIZE	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE† 60° C	MIN WIRE SIZE† 75° C	MAX LENGTH ft. (m)‡ 60° C	MAX LENGTH ft. (m)‡ 75° C	MAX FUSE** or CKT BRK AMPS
		MAX	MIN	LRA	RLA							
18–30	208/230/1–60	253	197	48.0	9.0	0.5	11.7	14	14	67 (20.4)	64 (19.5)	15
24–30				58.3	13.5	0.75	17.6	14	14	45 (13.7)	43 (13.1)	25
30–30				73.0	14.1	1.1	18.7	14	14	42 (12.8)	40 (12.2)	30
36–30				79.0	16.7	1.2	22.0	12	12	57 (17.4)	54 (16.5)	35
42–30				112.0	17.9	1.2	23.6	10	10	85 (25.9)	80 (24.4)	40
48–30				117.0	21.8	1.2	28.4	10	10	70 (21.3)	67 (20.4)	40
60–30				134.0	26.4	1.2	34.2	8	8	91 (27.7)	86 (26.2)	50

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

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

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

** Time–Delay fuse.

FLA – Full Load Amps

LRA – Locked Rotor Amps

MCA – Minimum Circuit Amps

RLA – Rated Load Amps

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

All motors/compressors contain internal overload protection.

A-WEIGHTED SOUND POWER LEVEL (dBA)

UNIT SIZE – VOLTAGE, SERIES	STANDARD RATING (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18–30	76	56.0	60.0	65.0	72.0	65.0	60.5	53.5
24–30	76	52.5	62.5	66.0	69.5	66.5	62.0	57.0
30–30	76	53.5	64.5	69.0	70.0	68.5	66.0	59.5
36–30	76	52.0	60.0	65.5	69.5	64.0	63.0	56.0
42–30	77	55.0	62.0	66.0	70.5	65.5	60.0	54.0
48–30	78	51.5	62.0	67.5	73.5	69.0	64.5	62.0
60–30	78	57.0	62.5	69.0	73.0	66.0	62.0	57.5

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

A-WEIGHTED SOUND POWER LEVEL (dBA) WITH SOUND SHIELD

UNIT SIZE – VOLTAGE, SERIES	STANDARD RATING (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18–30	74	56.0	60.0	65.0	69.0	63.0	60.0	52.5
24–30	74	52.0	62.0	66.5	68.5	66.0	61.0	56.5
30–30	75	53.5	64.5	69.0	69.5	68.0	65.5	59.0
36–30	75	52.0	62.0	65.5	67.5	63.0	61.0	53.5
42–30	74	55.0	61.5	65.0	68.5	65.0	59.0	52.0
48–30	76	53.0	61.5	67.5	72.0	68.0	61.5	59.0
60–30	75	57.0	62.5	68.5	71.0	65.0	60.5	58.5

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

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE–VOLTAGE, SERIES	REQUIRED SUBCOOLING °F (°C)
18–30	10 (5.6)
24–30	11 (6.1)
30–30	8 (4.4)
36–30	10 (5.6)
42–30	8 (4.4)
48–30	8 (4.4)
60–30	9 (5.0)

DIMENSIONS

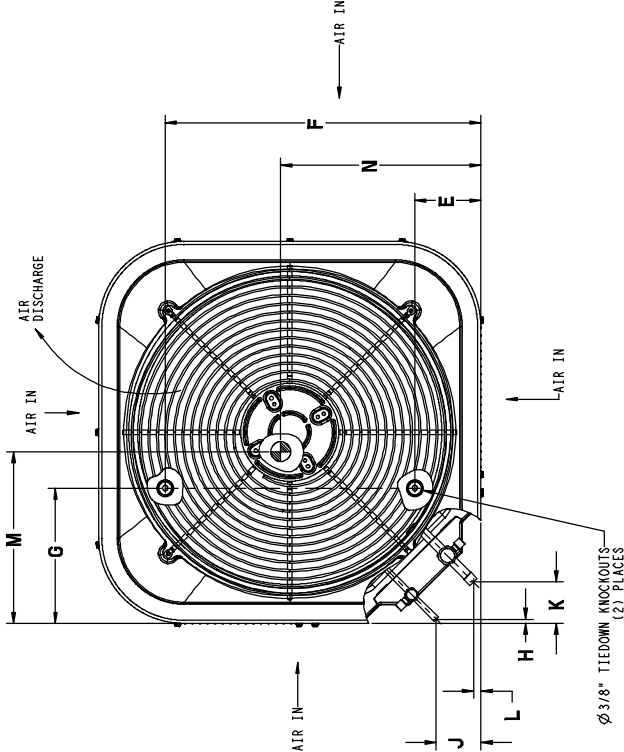
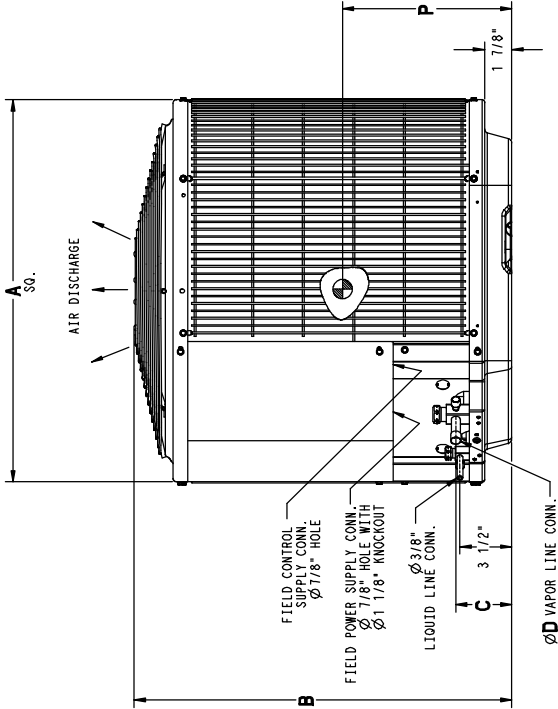
UNIT	SERIES	ELECTRICAL CHARACTERISTICS			A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT	SHIPPING WEIGHT	SHIPPING DIMENSIONS (L X W x H)		
24ABB418	0	X	0	0	31 3/16"	35 3/4"	3 3/4"	5/8"	6 9/16"	24 11/16"	9 1/8"	5/16"	3"	2 13/16"	1/2"	16 1/4"	16"	16 5/8"	171#	199#	32 3/8" X 35 1/2" X 39 3/8"		
24ABB424	0	X	0	0	35"	28 5/16"	3 3/4"	5/8"	6 9/16"	28 7/16"	9 1/8"	5/16"	3"	2 13/16"	1/2"	17 1/2"	16 1/4"	13 7/8"	162#	204#	36 1/8" X 39 5/16" X 32 9/16"		
24ABB430	0	X	0	0	35"	28 5/16"	3 3/4"	3/4"	6 9/16"	28 7/16"	9 1/8"	5/16"	3"	2 13/16"	1/2"	18 1/4"	16 1/4"	12 1/2"	163#	208#	36 1/8" X 39 5/16" X 32 9/16"		
24ABB436	0	X	0	0	35"	35 3/4"	3 3/4"	3/4"	6 9/16"	28 7/16"	9 1/8"	5/16"	3"	2 13/16"	1/2"	18 1/4"	18 1/2"	17 1/2"	191#	225#	36 1/8" X 39 5/16" X 39 3/8"		
24ABB442	0	X	0	0	35"	39 1/8"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	18 1/2"	16 1/4"	16 1/2"	225#	263#	36 1/8" X 39 5/16" X 42 3/4"		
24ABB448	0	X	0	0	35"	39 1/8"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	17 1/2"	16 1/2"	15"	231#	269#	36 1/8" X 39 5/16" X 42 3/4"		
24ABB460	0	X	0	0	35"	39 1/8"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	16 1/2"	17"	16 1/4"	272#	310#	36 1/8" X 39 5/16" X 42 3/4"		

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

NOTES:

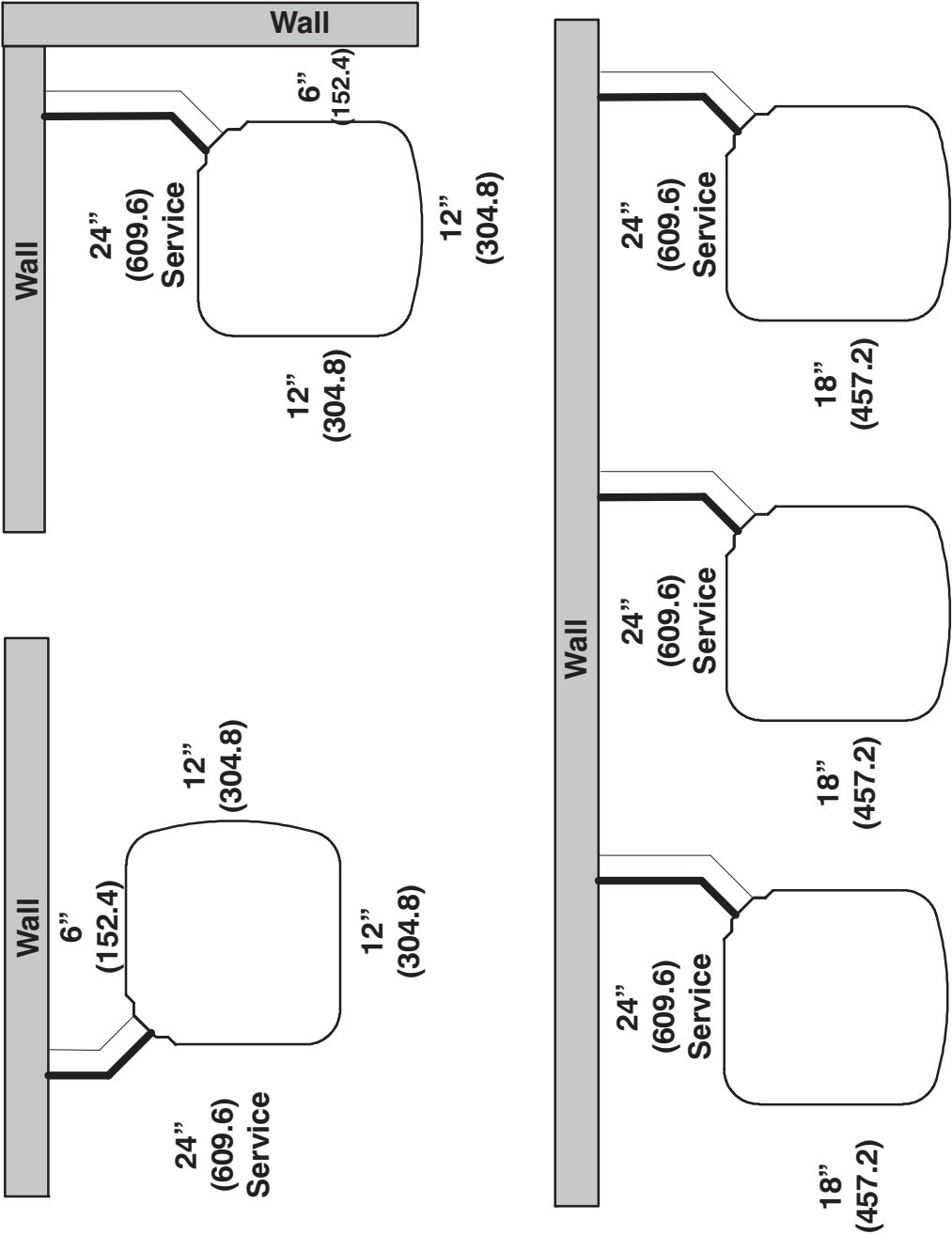
1. ALLOW 30" CLEARANCE TO SERVICE SIDE OF UNIT, 48" ABOVE UNIT, 6" ON ONE SIDE, 12" ON REMAINING SIDE, AND 24" BETWEEN UNITS FOR PROPER AIRFLOW.
2. MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 55°F, MAX. 125°F.
3. SERIES DESIGNATION IS THE 13TH POSITION OF THE UNIT MODEL NUMBER.
4. CENTER OF GRAVITY



UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
-	26" X 26"
18	31 1/2" X 31 1/2"
24 THRU 60	35" X 35"

CLEARANCES

Clearances (various examples)



Note: Numbers in () = mm

COMBINATION RATINGS

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER	Phase
3038895	24ABB418A30	*CAP**2414A**+TDR		18000	11.50	14.00	1
3038897	24ABB418A30	CAP**1814A**	58CV(A,X)070-12	17600	12.50	15.00	1
3038929	24ABB418A30	CAP**1814A**	58PH*045-08	17900	12.50	15.00	1
3038896	24ABB418A30	CAP**1814A**+TDR		17800	11.20	13.50	1
3038898	24ABB418A30	CAP**2414A**	58CV(A,X)070-12	17900	13.00	15.00	1
3038930	24ABB418A30	CAP**2414A**	58PH*045-08	18000	13.00	15.50	1
3038901	24ABB418A30	CAP**2417A**	58CV(A,X)090-16	17900	13.00	15.00	1
3038900	24ABB418A30	CAP**2417A**	58MV(B,C)060-14	17900	13.00	15.00	1
3038899	24ABB418A30	CAP**2417A**+TDR		18000	11.50	14.00	1
3038915	24ABB418A30	CNPF*2418A**+TDR		18000	11.50	14.00	1
3038913	24ABB418A30	CNPH*2417A**	58CV(A,X)070-12	17900	13.00	15.00	1
3038914	24ABB418A30	CNPH*2417A**	58CV(A,X)090-16	17900	13.00	15.00	1
3038910	24ABB418A30	CNPH*2417A**	58MV(B,C)040-14	17900	13.00	15.00	1
3038911	24ABB418A30	CNPH*2417A**	58MV(B,C)060-14	17900	13.00	15.00	1
3038912	24ABB418A30	CNPH*2417A**	58MV(B,C)080-14	17900	13.00	15.00	1
3038933	24ABB418A30	CNPH*2417A**	58PH*045-08	18000	13.00	15.50	1
3038909	24ABB418A30	CNPH*2417A**+TDR		18000	11.50	14.00	1
3038903	24ABB418A30	CNPV*1814A**	58CV(A,X)070-12	17600	12.50	15.00	1
3038931	24ABB418A30	CNPV*1814A**	58PH*045-08	17900	12.50	15.00	1
3038902	24ABB418A30	CNPV*1814A**+TDR		17800	11.20	13.50	1
3038905	24ABB418A30	CNPV*2414A**	58CV(A,X)070-12	17900	13.00	15.00	1
3038932	24ABB418A30	CNPV*2414A**	58PH*045-08	18000	13.00	15.50	1
3038904	24ABB418A30	CNPV*2414A**+TDR		18000	11.50	14.00	1
3038908	24ABB418A30	CNPV*2417A**	58CV(A,X)090-16	17900	13.00	15.00	1
3038907	24ABB418A30	CNPV*2417A**	58MV(B,C)060-14	17900	13.00	15.00	1
3038906	24ABB418A30	CNPV*2417A**+TDR		18000	11.50	14.00	1
3038920	24ABB418A30	CSPH*2412A**	58CV(A,X)070-12	17900	13.00	15.00	1
3038921	24ABB418A30	CSPH*2412A**	58CV(A,X)090-16	17900	13.00	15.00	1
3038917	24ABB418A30	CSPH*2412A**	58MV(B,C)040-14	17900	13.00	15.00	1
3038918	24ABB418A30	CSPH*2412A**	58MV(B,C)060-14	17900	13.00	15.00	1
3038919	24ABB418A30	CSPH*2412A**	58MV(B,C)080-14	17900	13.00	15.00	1
3038934	24ABB418A30	CSPH*2412A**	58PH*045-08	18000	13.00	15.50	1
3038916	24ABB418A30	CSPH*2412A**+TDR		18000	12.00	14.00	1
3038926	24ABB418A30	FF1ENP018		17800	11.20	13.50	1
3038927	24ABB418A30	FF1ENP024		18000	11.20	13.50	1
3038928	24ABB418A30	FV4BNF002		18200	13.20	15.00	1
3038924	24ABB418A30	FX4CNF018		18000	13.00	15.00	1
3038925	24ABB418A30	FX4CNF024		18300	13.00	15.00	1
3038922	24ABB418A30	FY4ANF018		17800	11.20	13.50	1
3038923	24ABB418A30	FY4ANF024		17900	11.20	13.50	1
3038935	24ABB424A30	*CAP**2414A**+TDR		23200	11.70	14.00	1
3038936	24ABB424A30	CAP**2414A**	58CV(A,X)070-12	23000	13.00	15.00	1
3039015	24ABB424A30	CAP**2414A**	58PH*045-08	23200	13.00	15.50	1
3038939	24ABB424A30	CAP**2417A**	58CV(A,X)090-16	23000	13.00	15.00	1
3038938	24ABB424A30	CAP**2417A**	58MV(B,C)060-14	23000	13.00	15.00	1
3038937	24ABB424A30	CAP**2417A**+TDR		23200	11.70	14.00	1
3038941	24ABB424A30	CAP**3014A**	58CV(A,X)070-12	23200	13.00	15.00	1
3039016	24ABB424A30	CAP**3014A**	58PH*045-08	23400	13.00	15.50	1
3038940	24ABB424A30	CAP**3014A**+TDR		23400	12.00	14.00	1
3038944	24ABB424A30	CAP**3017A**	58CV(A,X)090-16	23200	13.20	15.00	1
3038943	24ABB424A30	CAP**3017A**	58MV(B,C)060-14	23200	13.00	15.00	1
3038942	24ABB424A30	CAP**3017A**+TDR		23400	12.00	14.00	1
3038979	24ABB424A30	CNPF*2418A**+TDR		23200	11.70	14.00	1
3038962	24ABB424A30	CNPH*2417A**	58CV(A,X)070-12	22800	13.00	15.00	1
3038963	24ABB424A30	CNPH*2417A**	58CV(A,X)090-16	23000	13.00	15.00	1
3038964	24ABB424A30	CNPH*2417A**	58CV(A,X)110-20	23000	13.00	15.00	1
3038965	24ABB424A30	CNPH*2417A**	58CV(A,X)135-22	23000	13.00	15.00	1
3038966	24ABB424A30	CNPH*2417A**	58CV(A,X)155-22	23000	13.00	15.00	1
3038956	24ABB424A30	CNPH*2417A**	58MV(B,C)040-14	23000	13.00	15.00	1
3038957	24ABB424A30	CNPH*2417A**	58MV(B,C)060-14	23000	13.00	15.00	1

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COMBINATION RATINGS CONTINUED

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER	Phase
3038958	24ABB424A30	CNPH*2417A**	58MV(B,C)080-14	23000	13.00	15.00	1
3038959	24ABB424A30	CNPH*2417A**	58MV(B,C)080-20	22800	12.50	15.00	1
3038960	24ABB424A30	CNPH*2417A**	58MV(B,C)100-20	23000	13.00	15.00	1
3038961	24ABB424A30	CNPH*2417A**	58MV(B,C)120-20	22800	12.50	15.00	1
3039019	24ABB424A30	CNPH*2417A**	58PH*045-08	23000	12.50	15.50	1
3038955	24ABB424A30	CNPH*2417A**+TDR		23200	11.70	14.00	1
3038974	24ABB424A30	CNPH*3017A**	58CV(A,X)070-12	23200	13.00	15.00	1
3038975	24ABB424A30	CNPH*3017A**	58CV(A,X)090-16	23200	13.20	15.00	1
3038976	24ABB424A30	CNPH*3017A**	58CV(A,X)110-20	23200	13.00	15.00	1
3038977	24ABB424A30	CNPH*3017A**	58CV(A,X)135-22	23400	13.00	15.00	1
3038978	24ABB424A30	CNPH*3017A**	58CV(A,X)155-22	23400	13.20	15.00	1
3038968	24ABB424A30	CNPH*3017A**	58MV(B,C)040-14	23200	13.00	15.00	1
3038969	24ABB424A30	CNPH*3017A**	58MV(B,C)060-14	23200	13.00	15.00	1
3038970	24ABB424A30	CNPH*3017A**	58MV(B,C)080-14	23200	13.00	15.00	1
3038971	24ABB424A30	CNPH*3017A**	58MV(B,C)080-20	23000	13.00	15.00	1
3038972	24ABB424A30	CNPH*3017A**	58MV(B,C)100-20	23200	13.00	15.00	1
3038973	24ABB424A30	CNPH*3017A**	58MV(B,C)120-20	23200	13.00	15.00	1
3039020	24ABB424A30	CNPH*3017A**	58PH*045-08	23400	13.00	15.50	1
3038967	24ABB424A30	CNPH*3017A**+TDR		23400	12.00	14.00	1
3038946	24ABB424A30	CNPV*2414A**	58CV(A,X)070-12	22800	13.00	15.00	1
3039017	24ABB424A30	CNPV*2414A**	58PH*045-08	23000	12.50	15.50	1
3038945	24ABB424A30	CNPV*2414A**+TDR		23200	11.70	14.00	1
3038949	24ABB424A30	CNPV*2417A**	58CV(A,X)090-16	23000	13.00	15.00	1
3038948	24ABB424A30	CNPV*2417A**	58MV(B,C)060-14	23000	13.00	15.00	1
3038947	24ABB424A30	CNPV*2417A**+TDR		23200	11.70	14.00	1
3038951	24ABB424A30	CNPV*3014A**	58CV(A,X)070-12	23200	13.00	15.00	1
3039018	24ABB424A30	CNPV*3014A**	58PH*045-08	23400	13.00	15.50	1
3038950	24ABB424A30	CNPV*3014A**+TDR		23400	12.00	14.00	1
3038954	24ABB424A30	CNPV*3017A**	58CV(A,X)090-16	23200	13.20	15.00	1
3038953	24ABB424A30	CNPV*3017A**	58MV(B,C)060-14	23200	13.00	15.00	1
3038952	24ABB424A30	CNPV*3017A**+TDR		23400	12.00	14.00	1
3038987	24ABB424A30	CSPH*2412A**	58CV(A,X)070-12	23000	13.00	15.00	1
3038988	24ABB424A30	CSPH*2412A**	58CV(A,X)090-16	23000	13.00	15.00	1
3038989	24ABB424A30	CSPH*2412A**	58CV(A,X)110-20	23200	13.00	15.00	1
3038990	24ABB424A30	CSPH*2412A**	58CV(A,X)135-22	23200	13.00	15.00	1
3038991	24ABB424A30	CSPH*2412A**	58CV(A,X)155-22	23200	13.00	15.00	1
3038981	24ABB424A30	CSPH*2412A**	58MV(B,C)040-14	23200	13.00	15.00	1
3038982	24ABB424A30	CSPH*2412A**	58MV(B,C)060-14	23000	13.00	15.00	1
3038983	24ABB424A30	CSPH*2412A**	58MV(B,C)080-14	23200	13.00	15.00	1
3038984	24ABB424A30	CSPH*2412A**	58MV(B,C)080-20	23000	13.00	15.00	1
3038985	24ABB424A30	CSPH*2412A**	58MV(B,C)100-20	23200	13.00	15.00	1
3038986	24ABB424A30	CSPH*2412A**	58MV(B,C)120-20	23200	13.00	15.00	1
3039021	24ABB424A30	CSPH*2412A**	58PH*045-08	23000	12.50	15.50	1
3038980	24ABB424A30	CSPH*2412A**+TDR		23200	11.70	14.00	1
3038999	24ABB424A30	CSPH*3012A**	58CV(A,X)070-12	23200	13.00	15.00	1
3039000	24ABB424A30	CSPH*3012A**	58CV(A,X)090-16	23200	13.20	15.00	1
3039001	24ABB424A30	CSPH*3012A**	58CV(A,X)110-20	23400	13.00	15.00	1
3039002	24ABB424A30	CSPH*3012A**	58CV(A,X)135-22	23400	13.00	15.00	1
3039003	24ABB424A30	CSPH*3012A**	58CV(A,X)155-22	23400	13.00	15.00	1
3038993	24ABB424A30	CSPH*3012A**	58MV(B,C)040-14	23400	13.00	15.00	1
3038994	24ABB424A30	CSPH*3012A**	58MV(B,C)060-14	23200	13.00	15.00	1
3038995	24ABB424A30	CSPH*3012A**	58MV(B,C)080-14	23200	13.00	15.00	1
3038996	24ABB424A30	CSPH*3012A**	58MV(B,C)080-20	23000	13.00	15.00	1
3038997	24ABB424A30	CSPH*3012A**	58MV(B,C)100-20	23400	13.00	15.00	1
3038998	24ABB424A30	CSPH*3012A**	58MV(B,C)120-20	23200	13.00	15.00	1
3039022	24ABB424A30	CSPH*3012A**	58PH*045-08	23400	13.00	15.50	1
3038992	24ABB424A30	CSPH*3012A**+TDR		23400	12.00	14.00	1
3039009	24ABB424A30	FE4AN(B,F)003+UI		23600	13.20	15.00	1
3039008	24ABB424A30	FE4ANF002+UI		23400	13.20	15.00	1
3039013	24ABB424A30	FF1ENP024		23000	11.70	13.50	1

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COMBINATION RATINGS CONTINUED

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER	Phase
3039014	24ABB424A30	FF1ENP030		23000	11.70	13.50	1
3039012	24ABB424A30	FV4BN(B,F)003		23600	13.20	15.00	1
3039011	24ABB424A30	FV4BNF002		23400	13.20	15.00	1
3039006	24ABB424A30	FX4CNF024		23400	12.50	15.00	1
3039007	24ABB424A30	FX4CNF030		23600	13.00	15.00	1
3039004	24ABB424A30	FY4ANF024		23000	11.40	14.00	1
3039005	24ABB424A30	FY4ANF030		23200	12.00	14.00	1
3039023	24ABB430A30	*CAP**3014A** + TDR		29000	11.70	14.00	1
3039024	24ABB430A30	CAP**3014A**	58CV(A,X)070-12	28800	12.50	15.00	1
3039027	24ABB430A30	CAP**3017A**	58CV(A,X)090-16	28800	12.50	15.00	1
3039026	24ABB430A30	CAP**3017A**	58MV(B,C)060-14	28800	12.50	15.00	1
3039113	24ABB430A30	CAP**3017A**	58PH*070-16	29000	12.50	15.00	1
3039025	24ABB430A30	CAP**3017A** + TDR		29000	11.70	14.00	1
3039029	24ABB430A30	CAP**3614A**	58CV(A,X)070-12	28800	12.50	15.00	1
3039028	24ABB430A30	CAP**3614A** + TDR		28200	11.70	14.00	1
3039032	24ABB430A30	CAP**3617A**	58CV(A,X)090-16	29000	13.00	15.00	1
3039031	24ABB430A30	CAP**3617A**	58MV(B,C)060-14	28800	12.50	15.00	1
3039114	24ABB430A30	CAP**3617A**	58PH*070-16	29200	12.50	15.00	1
3039030	24ABB430A30	CAP**3617A** + TDR		29200	11.70	14.00	1
3039037	24ABB430A30	CAP**3621A**	58CV(A,X)110-20	29000	13.00	15.00	1
3039034	24ABB430A30	CAP**3621A**	58MV(B,C)080-14	28800	12.50	15.00	1
3039035	24ABB430A30	CAP**3621A**	58MV(B,C)080-20	29000	12.50	15.00	1
3039036	24ABB430A30	CAP**3621A**	58MV(B,C)100-20	28800	12.50	15.00	1
3039115	24ABB430A30	CAP**3621A**	58PH*090-16	29400	13.00	15.50	1
3039033	24ABB430A30	CAP**3621A** + TDR		29200	11.70	14.00	1
3039075	24ABB430A30	CNPF*3618A** + TDR		29000	11.70	14.00	1
3039058	24ABB430A30	CNPH*3017A**	58CV(A,X)070-12	28800	12.50	15.00	1
3039059	24ABB430A30	CNPH*3017A**	58CV(A,X)090-16	28800	12.50	15.00	1
3039060	24ABB430A30	CNPH*3017A**	58CV(A,X)110-20	29000	12.50	15.00	1
3039061	24ABB430A30	CNPH*3017A**	58CV(A,X)135-22	29000	12.50	15.00	1
3039062	24ABB430A30	CNPH*3017A**	58CV(A,X)155-22	29000	13.00	15.00	1
3039052	24ABB430A30	CNPH*3017A**	58MV(B,C)040-14	28800	12.50	15.00	1
3039053	24ABB430A30	CNPH*3017A**	58MV(B,C)060-14	28800	12.50	15.00	1
3039054	24ABB430A30	CNPH*3017A**	58MV(B,C)080-14	28800	12.50	15.00	1
3039055	24ABB430A30	CNPH*3017A**	58MV(B,C)080-20	28800	12.50	15.00	1
3039056	24ABB430A30	CNPH*3017A**	58MV(B,C)100-20	28600	12.50	15.00	1
3039057	24ABB430A30	CNPH*3017A**	58MV(B,C)120-20	28800	12.50	15.00	1
3039119	24ABB430A30	CNPH*3017A**	58PH*070-16	29000	12.50	15.00	1
3039120	24ABB430A30	CNPH*3017A**	58PH*090-16	29000	12.50	15.00	1
3039051	24ABB430A30	CNPH*3017A** + TDR		29000	11.70	14.00	1
3039070	24ABB430A30	CNPH*3617A**	58CV(A,X)070-12	28800	12.50	15.00	1
3039071	24ABB430A30	CNPH*3617A**	58CV(A,X)090-16	28800	12.50	15.00	1
3039072	24ABB430A30	CNPH*3617A**	58CV(A,X)110-20	29000	12.50	15.00	1
3039073	24ABB430A30	CNPH*3617A**	58CV(A,X)135-22	29000	12.50	15.00	1
3039074	24ABB430A30	CNPH*3617A**	58CV(A,X)155-22	29000	13.00	15.00	1
3039064	24ABB430A30	CNPH*3617A**	58MV(B,C)040-14	28800	12.50	15.00	1
3039065	24ABB430A30	CNPH*3617A**	58MV(B,C)060-14	28800	12.50	15.00	1
3039066	24ABB430A30	CNPH*3617A**	58MV(B,C)080-14	28800	12.50	15.00	1
3039067	24ABB430A30	CNPH*3617A**	58MV(B,C)080-20	28800	12.50	15.00	1
3039068	24ABB430A30	CNPH*3617A**	58MV(B,C)100-20	28600	12.50	15.00	1
3039069	24ABB430A30	CNPH*3617A**	58MV(B,C)120-20	28800	12.50	15.00	1
3039121	24ABB430A30	CNPH*3617A**	58PH*070-16	29000	12.50	15.00	1
3039122	24ABB430A30	CNPH*3617A**	58PH*090-16	29000	12.50	15.00	1
3039063	24ABB430A30	CNPH*3617A** + TDR		29000	11.70	14.00	1
3039039	24ABB430A30	CNPV*3014A**	58CV(A,X)070-12	28800	12.50	15.00	1
3039038	24ABB430A30	CNPV*3014A** + TDR		29000	11.70	14.00	1
3039042	24ABB430A30	CNPV*3017A**	58CV(A,X)090-16	28800	12.50	15.00	1
3039041	24ABB430A30	CNPV*3017A**	58MV(B,C)060-14	28800	12.50	15.00	1
3039116	24ABB430A30	CNPV*3017A**	58PH*070-16	29000	12.50	15.00	1
3039040	24ABB430A30	CNPV*3017A** + TDR		29000	11.70	14.00	1

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COMBINATION RATINGS CONTINUED

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER	Phase
3039045	24ABB430A30	CNPV*3617A**	58CV(A,X)090-16	28800	12.50	15.00	1
3039044	24ABB430A30	CNPV*3617A**	58MV(B,C)060-14	28800	12.50	15.00	1
3039117	24ABB430A30	CNPV*3617A**	58PH*070-16	29000	12.50	15.00	1
3039043	24ABB430A30	CNPV*3617A** + TDR		29000	11.70	14.00	1
3039050	24ABB430A30	CNPV*3621A**	58CV(A,X)110-20	29000	12.50	15.00	1
3039047	24ABB430A30	CNPV*3621A**	58MV(B,C)080-14	28800	12.50	15.00	1
3039048	24ABB430A30	CNPV*3621A**	58MV(B,C)080-20	28800	12.50	15.00	1
3039049	24ABB430A30	CNPV*3621A**	58MV(B,C)100-20	28600	12.50	15.00	1
3039118	24ABB430A30	CNPV*3621A**	58PH*090-16	29000	12.50	15.00	1
3039046	24ABB430A30	CNPV*3621A** + TDR		29000	11.70	14.00	1
3039083	24ABB430A30	CSPH*3012A**	58CV(A,X)070-12	29000	12.50	15.00	1
3039084	24ABB430A30	CSPH*3012A**	58CV(A,X)090-16	29000	12.50	15.00	1
3039085	24ABB430A30	CSPH*3012A**	58CV(A,X)110-20	29000	12.50	15.00	1
3039086	24ABB430A30	CSPH*3012A**	58CV(A,X)135-22	29000	12.50	15.00	1
3039087	24ABB430A30	CSPH*3012A**	58CV(A,X)155-22	29000	12.50	15.00	1
3039077	24ABB430A30	CSPH*3012A**	58MV(B,C)040-14	28800	12.50	15.00	1
3039078	24ABB430A30	CSPH*3012A**	58MV(B,C)060-14	28800	12.50	15.00	1
3039079	24ABB430A30	CSPH*3012A**	58MV(B,C)080-14	28800	12.50	15.00	1
3039080	24ABB430A30	CSPH*3012A**	58MV(B,C)080-20	29000	12.50	15.00	1
3039081	24ABB430A30	CSPH*3012A**	58MV(B,C)100-20	28800	12.50	15.00	1
3039082	24ABB430A30	CSPH*3012A**	58MV(B,C)120-20	28800	12.50	15.00	1
3039123	24ABB430A30	CSPH*3012A**	58PH*070-16	29000	12.50	15.00	1
3039124	24ABB430A30	CSPH*3012A**	58PH*090-16	29000	12.50	15.00	1
3039076	24ABB430A30	CSPH*3012A** + TDR		29000	11.70	14.00	1
3039095	24ABB430A30	CSPH*3612A**	58CV(A,X)070-12	29000	12.50	15.00	1
3039096	24ABB430A30	CSPH*3612A**	58CV(A,X)090-16	29000	13.00	15.00	1
3039097	24ABB430A30	CSPH*3612A**	58CV(A,X)110-20	29000	13.00	15.00	1
3039098	24ABB430A30	CSPH*3612A**	58CV(A,X)135-22	29000	13.00	15.00	1
3039099	24ABB430A30	CSPH*3612A**	58CV(A,X)155-22	29000	13.00	15.00	1
3039089	24ABB430A30	CSPH*3612A**	58MV(B,C)040-14	29000	12.50	15.00	1
3039090	24ABB430A30	CSPH*3612A**	58MV(B,C)060-14	29000	13.00	15.00	1
3039091	24ABB430A30	CSPH*3612A**	58MV(B,C)080-14	29000	12.50	15.00	1
3039092	24ABB430A30	CSPH*3612A**	58MV(B,C)080-20	29000	13.00	15.00	1
3039093	24ABB430A30	CSPH*3612A**	58MV(B,C)100-20	29000	13.00	15.00	1
3039094	24ABB430A30	CSPH*3612A**	58MV(B,C)120-20	29000	13.00	15.00	1
3039125	24ABB430A30	CSPH*3612A**	58PH*070-16	29200	12.50	15.00	1
3039126	24ABB430A30	CSPH*3612A**	58PH*090-16	29400	12.50	15.50	1
3039088	24ABB430A30	CSPH*3612A** + TDR		29200	11.70	14.00	1
3039104	24ABB430A30	FE4AN(B,F)003+UI		29200	13.00	15.00	1
3039105	24ABB430A30	FE4AN(B,F)005+UI		30000	13.20	15.00	1
3039103	24ABB430A30	FE4ANF002+UI		29000	12.50	15.00	1
3039107	24ABB430A30	FF1ENP030		28600	11.70	14.00	1
3039108	24ABB430A30	FF1ENP036		29200	11.70	14.00	1
3039110	24ABB430A30	FV4BN(B,F)003		29200	13.00	15.00	1
3039111	24ABB430A30	FV4BN(B,F)005		30000	13.20	15.00	1
3039109	24ABB430A30	FV4BNF002		29000	12.50	15.00	1
3039102	24ABB430A30	FX4CN(B,F)036		29400	12.20	14.50	1
3039101	24ABB430A30	FX4CNF030		29200	12.50	15.00	1
3039100	24ABB430A30	FY4ANF030		28800	11.70	14.00	1
3039112	24ABB430A30	FY4ANF036		29000	11.70	13.50	1
3039127	24ABB436A30	*CAP**4221A** + TDR		35800	11.50	14.00	1
3039157	24ABB436A30	CAP**3614A**	58CV(A,X)070-12	34000	12.50	14.50	1
3039128	24ABB436A30	CAP**3614A**	58PH*045-08	34200	12.00	14.00	1
3039156	24ABB436A30	CAP**3614A** + TDR		34400	12.00	14.00	1
3039160	24ABB436A30	CAP**3617A**	58CV(A,X)090-16	35000	12.50	15.00	1
3039159	24ABB436A30	CAP**3617A**	58MV(B,C)060-14	35000	12.50	15.00	1
3039129	24ABB436A30	CAP**3617A**	58PH*070-16	35200	12.20	14.50	1
3039158	24ABB436A30	CAP**3617A** + TDR		35400	11.50	14.00	1
3039165	24ABB436A30	CAP**3621A**	58CV(A,X)110-20	35200	13.00	15.00	1

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ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER	Phase
3039162	24ABB436A30	CAP**3621A**	58MV(B,C)080-14	35000	12.50	14.50	1
3039163	24ABB436A30	CAP**3621A**	58MV(B,C)080-20	35000	12.50	15.00	1
3039164	24ABB436A30	CAP**3621A**	58MV(B,C)100-20	35200	13.00	15.00	1
3039130	24ABB436A30	CAP**3621A**	58PH*090-16	35600	12.50	15.25	1
3039131	24ABB436A30	CAP**3621A**	58PH*110-20	35800	12.50	15.50	1
3039161	24ABB436A30	CAP**3621A**+TDR		35400	11.50	14.00	1
3039169	24ABB436A30	CAP**4221A**	58CV(A,X)110-20	35400	13.00	15.00	1
3039166	24ABB436A30	CAP**4221A**	58MV(B,C)080-14	35200	12.50	14.50	1
3039167	24ABB436A30	CAP**4221A**	58MV(B,C)080-20	35400	12.50	15.00	1
3039168	24ABB436A30	CAP**4221A**	58MV(B,C)100-20	35400	12.50	15.00	1
3039132	24ABB436A30	CAP**4221A**	58PH*090-16	35800	12.50	15.50	1
3039133	24ABB436A30	CAP**4221A**	58PH*110-20	36000	12.50	15.00	1
3039173	24ABB436A30	CAP**4224A**	58CV(A,X)135-22	35400	13.00	15.00	1
3039171	24ABB436A30	CAP**4224A**	58MV(B,C)040-14	35200	12.50	15.00	1
3039172	24ABB436A30	CAP**4224A**	58MV(B,C)120-20	35400	13.00	15.00	1
3039170	24ABB436A30	CAP**4224A**+TDR		35800	12.00	14.00	1
3039191	24ABB436A30	CNPF*3618A**+TDR		35400	11.50	14.00	1
3039185	24ABB436A30	CNPH*3617A**	58CV(A,X)070-12	35000	12.50	14.50	1
3039184	24ABB436A30	CNPH*3617A**	58MV(B,C)040-14	35000	12.50	14.50	1
3039139	24ABB436A30	CNPH*3617A**	58PH*045-08	35000	12.00	14.00	1
3039140	24ABB436A30	CNPH*3617A**	58PH*070-16	35000	12.20	14.50	1
3039141	24ABB436A30	CNPH*3617A**	58PH*090-16	35200	12.50	15.00	1
3039142	24ABB436A30	CNPH*3617A**	58PH*110-20	35400	12.50	15.00	1
3039183	24ABB436A30	CNPH*3617A**+TDR		35400	11.50	14.00	1
3039188	24ABB436A30	CNPH*4221A**	58CV(A,X)070-12	35400	13.00	15.00	1
3039189	24ABB436A30	CNPH*4221A**	58CV(A,X)135-22	35600	13.00	15.00	1
3039190	24ABB436A30	CNPH*4221A**	58CV(A,X)155-22	35600	13.00	15.00	1
3039187	24ABB436A30	CNPH*4221A**	58MV(B,C)040-14	35200	13.00	15.00	1
3039155	24ABB436A30	CNPH*4221A**	58MV(B,C)060-14	35400	12.50	15.00	1
3039143	24ABB436A30	CNPH*4221A**	58PH*045-08	35400	12.00	14.00	1
3039144	24ABB436A30	CNPH*4221A**	58PH*070-16	35400	12.20	14.50	1
3039145	24ABB436A30	CNPH*4221A**	58PH*090-16	35600	12.50	15.25	1
3039146	24ABB436A30	CNPH*4221A**	58PH*110-20	35800	12.50	15.00	1
3039186	24ABB436A30	CNPH*4221A**+TDR		35800	12.00	14.00	1
3039176	24ABB436A30	CNPV*3617A**	58CV(A,X)090-16	35000	12.50	15.00	1
3039175	24ABB436A30	CNPV*3617A**	58MV(B,C)060-14	35000	12.50	14.50	1
3039134	24ABB436A30	CNPV*3617A**	58PH*070-16	35000	12.20	14.50	1
3039174	24ABB436A30	CNPV*3617A**+TDR		35400	11.50	14.00	1
3039179	24ABB436A30	CNPV*3621A**	58CV(A,X)110-20	35000	12.50	15.00	1
3039178	24ABB436A30	CNPV*3621A**	58MV(B,C)080-14	35000	12.50	14.50	1
3039208	24ABB436A30	CNPV*3621A**	58MV(B,C)100-20	35200	12.50	15.00	1
3039135	24ABB436A30	CNPV*3621A**	58PH*090-16	35200	12.50	15.00	1
3039136	24ABB436A30	CNPV*3621A**	58PH*110-20	35400	12.50	15.00	1
3039177	24ABB436A30	CNPV*3621A**+TDR		35400	11.50	14.00	1
3039182	24ABB436A30	CNPV*4221A**	58CV(A,X)110-20	35400	13.00	15.00	1
3039181	24ABB436A30	CNPV*4221A**	58MV(B,C)080-14	35400	13.00	15.00	1
3039137	24ABB436A30	CNPV*4221A**	58PH*090-16	35600	12.50	15.00	1
3039138	24ABB436A30	CNPV*4221A**	58PH*110-20	35800	12.50	15.50	1
3039180	24ABB436A30	CNPV*4221A**+TDR		35800	12.00	14.00	1
3039194	24ABB436A30	CSPH*3612A**	58CV(A,X)070-12	35000	12.00	15.00	1
3039193	24ABB436A30	CSPH*3612A**	58MV(B,C)040-14	35000	12.50	15.00	1
3039147	24ABB436A30	CSPH*3612A**	58PH*045-08	35000	12.00	14.00	1
3039148	24ABB436A30	CSPH*3612A**	58PH*070-16	35000	12.20	14.50	1
3039149	24ABB436A30	CSPH*3612A**	58PH*090-16	35200	12.50	15.25	1
3039150	24ABB436A30	CSPH*3612A**	58PH*110-20	35400	12.50	15.50	1
3039192	24ABB436A30	CSPH*3612A**+TDR		35000	12.50	14.00	1
3039198	24ABB436A30	CSPH*4212A**	58CV(A,X)070-12	35400	12.50	15.00	1
3039196	24ABB436A30	CSPH*4212A**	58MV(B,C)040-14	35200	12.50	15.00	1
3039197	24ABB436A30	CSPH*4212A**	58MV(B,C)120-20	35400	12.50	15.00	1
3039151	24ABB436A30	CSPH*4212A**	58PH*045-08	35400	12.00	14.00	1
3039152	24ABB436A30	CSPH*4212A**	58PH*070-16	35400	12.20	14.75	1

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COMBINATION RATINGS CONTINUED

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER	Phase
3039153	24ABB436A30	CSPH*4212A**	58PH*090-16	35600	12.50	15.50	1
3039154	24ABB436A30	CSPH*4212A**	58PH*110-20	35800	12.50	15.50	1
3039195	24ABB436A30	CSPH*4212A** + TDR		35800	12.00	14.00	1
3039203	24ABB436A30	FF1ENP036		35000	12.00	14.00	1
3039205	24ABB436A30	FV4BN(B,F)003		35400	13.00	15.00	1
3039206	24ABB436A30	FV4BN(B,F)005		36600	13.00	15.00	1
3039207	24ABB436A30	FV4BNB006		37000	13.50	15.00	1
3039204	24ABB436A30	FV4BNF002		35200	12.50	15.00	1
3039201	24ABB436A30	FX4CN(B,F)036		36000	12.50	15.00	1
3039202	24ABB436A30	FX4CN(B,F)042		36600	13.00	15.00	1
3039199	24ABB436A30	FY4ANF036		34800	11.50	14.00	1
3039200	24ABB436A30	FY4ANF042		36000	11.50	14.00	1
3039209	24ABB442A30	*CAP**4821A** + TDR		40500	12.00	14.00	1
3039242	24ABB442A30	CAP**4221A**	58CV(A,X)110-20	39500	12.20	14.50	1
3039239	24ABB442A30	CAP**4221A**	58MV(B,C)080-14	39000	12.00	14.00	1
3039240	24ABB442A30	CAP**4221A**	58MV(B,C)080-20	39500	12.20	14.50	1
3039241	24ABB442A30	CAP**4221A**	58MV(B,C)100-20	39500	12.20	14.50	1
3039210	24ABB442A30	CAP**4221A**	58PH*090-16	39500	12.20	15.00	1
3039211	24ABB442A30	CAP**4221A**	58PH*110-20	40000	12.50	15.00	1
3039238	24ABB442A30	CAP**4221A** + TDR		40000	11.70	13.50	1
3039246	24ABB442A30	CAP**4224A**	58CV(A,X)135-22	39500	12.50	15.00	1
3039247	24ABB442A30	CAP**4224A**	58CV(A,X)155-22	39500	12.50	15.00	1
3039244	24ABB442A30	CAP**4224A**	58MV(B,C)040-14	39000	12.20	14.50	1
3039245	24ABB442A30	CAP**4224A**	58MV(B,C)120-20	39500	12.20	14.50	1
3039212	24ABB442A30	CAP**4224A**	58PH*135-20	40000	12.20	15.00	1
3039243	24ABB442A30	CAP**4224A** + TDR		40000	11.70	13.50	1
3039250	24ABB442A30	CAP**4817A**	58CV(A,X)090-16	39500	12.50	15.00	1
3039249	24ABB442A30	CAP**4817A**	58MV(B,C)060-14	39000	12.20	14.50	1
3039213	24ABB442A30	CAP**4817A**	58PH*070-16	40500	12.00	14.00	1
3039248	24ABB442A30	CAP**4817A** + TDR		39500	12.00	14.00	1
3039254	24ABB442A30	CAP**4821A**	58CV(A,X)110-20	40000	12.50	15.00	1
3039251	24ABB442A30	CAP**4821A**	58MV(B,C)080-14	40000	12.20	14.50	1
3039252	24ABB442A30	CAP**4821A**	58MV(B,C)080-20	40000	12.20	14.50	1
3039253	24ABB442A30	CAP**4821A**	58MV(B,C)100-20	40000	12.50	15.00	1
3039214	24ABB442A30	CAP**4821A**	58PH*090-16	40500	12.50	15.00	1
3039215	24ABB442A30	CAP**4821A**	58PH*110-20	40500	12.50	15.00	1
3039258	24ABB442A30	CAP**4824A**	58CV(A,X)135-22	40000	12.50	15.00	1
3039259	24ABB442A30	CAP**4824A**	58CV(A,X)155-22	40000	12.50	15.00	1
3039256	24ABB442A30	CAP**4824A**	58MV(B,C)040-14	40000	12.20	14.50	1
3039257	24ABB442A30	CAP**4824A**	58MV(B,C)120-20	40000	12.50	15.00	1
3039216	24ABB442A30	CAP**4824A**	58PH*135-20	40500	12.50	15.00	1
3039255	24ABB442A30	CAP**4824A** + TDR		40500	12.00	14.00	1
3039299	24ABB442A30	CNPF*4818A** + TDR		39500	11.50	14.00	1
3039282	24ABB442A30	CNPH*4221A**	58CV(A,X)070-12	39500	12.00	14.00	1
3039283	24ABB442A30	CNPH*4221A**	58CV(A,X)090-16	39500	12.20	14.50	1
3039284	24ABB442A30	CNPH*4221A**	58CV(A,X)110-20	39500	12.20	14.50	1
3039285	24ABB442A30	CNPH*4221A**	58CV(A,X)135-22	39500	12.50	15.00	1
3039286	24ABB442A30	CNPH*4221A**	58CV(A,X)155-22	39500	12.50	15.00	1
3039276	24ABB442A30	CNPH*4221A**	58MV(B,C)040-14	39500	12.00	14.00	1
3039277	24ABB442A30	CNPH*4221A**	58MV(B,C)060-14	39500	12.20	14.50	1
3039278	24ABB442A30	CNPH*4221A**	58MV(B,C)080-14	39000	12.00	14.00	1
3039279	24ABB442A30	CNPH*4221A**	58MV(B,C)080-20	39500	12.20	14.50	1
3039280	24ABB442A30	CNPH*4221A**	58MV(B,C)100-20	39500	12.20	14.50	1
3039281	24ABB442A30	CNPH*4221A**	58MV(B,C)120-20	39500	12.20	14.50	1
3039222	24ABB442A30	CNPH*4221A**	58PH*070-16	39500	11.70	13.50	1
3039223	24ABB442A30	CNPH*4221A**	58PH*090-16	39500	12.20	15.00	1
3039224	24ABB442A30	CNPH*4221A**	58PH*110-20	39500	12.20	15.00	1
3039225	24ABB442A30	CNPH*4221A**	58PH*135-20	39500	12.20	15.00	1
3039275	24ABB442A30	CNPH*4221A** + TDR		40000	11.70	13.50	1
3039294	24ABB442A30	CNPH*4821A**	58CV(A,X)070-12	40000	12.20	14.50	1

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ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER	Phase
3039295	24ABB442A30	CNPH*4821A**	58CV(A,X)090-16	40000	12.50	15.00	1
3039296	24ABB442A30	CNPH*4821A**	58CV(A,X)110-20	40500	12.50	15.00	1
3039297	24ABB442A30	CNPH*4821A**	58CV(A,X)135-22	40500	12.50	15.00	1
3039298	24ABB442A30	CNPH*4821A**	58CV(A,X)155-22	40500	12.50	15.00	1
3039288	24ABB442A30	CNPH*4821A**	58MV(B,C)040-14	40000	12.20	14.50	1
3039289	24ABB442A30	CNPH*4821A**	58MV(B,C)060-14	40000	12.50	15.00	1
3039290	24ABB442A30	CNPH*4821A**	58MV(B,C)080-14	40000	12.20	14.50	1
3039291	24ABB442A30	CNPH*4821A**	58MV(B,C)080-20	40000	12.20	14.50	1
3039292	24ABB442A30	CNPH*4821A**	58MV(B,C)100-20	40000	12.50	15.00	1
3039293	24ABB442A30	CNPH*4821A**	58MV(B,C)120-20	40000	12.50	15.00	1
3039226	24ABB442A30	CNPH*4821A**	58PH*070-16	40500	12.00	14.00	1
3039227	24ABB442A30	CNPH*4821A**	58PH*090-16	40500	12.50	15.00	1
3039228	24ABB442A30	CNPH*4821A**	58PH*110-20	40500	12.50	15.00	1
3039229	24ABB442A30	CNPH*4821A**	58PH*135-20	40500	12.50	15.00	1
3039287	24ABB442A30	CNPH*4821A** + TDR		40500	12.00	14.00	1
3039264	24ABB442A30	CNPV*4221A**	58CV(A,X)110-20	39500	12.20	14.50	1
3039261	24ABB442A30	CNPV*4221A**	58MV(B,C)080-14	39000	12.00	14.00	1
3039262	24ABB442A30	CNPV*4221A**	58MV(B,C)080-20	39500	12.20	14.50	1
3039263	24ABB442A30	CNPV*4221A**	58MV(B,C)100-20	39500	12.20	14.50	1
3039217	24ABB442A30	CNPV*4221A**	58PH*090-16	39500	12.20	15.00	1
3039218	24ABB442A30	CNPV*4221A**	58PH*110-20	39500	12.20	15.00	1
3039260	24ABB442A30	CNPV*4221A** + TDR		40000	11.70	13.50	1
3039269	24ABB442A30	CNPV*4821A**	58CV(A,X)110-20	40500	12.50	15.00	1
3039266	24ABB442A30	CNPV*4821A**	58MV(B,C)080-14	40000	12.20	14.50	1
3039267	24ABB442A30	CNPV*4821A**	58MV(B,C)080-20	40000	12.20	14.50	1
3039268	24ABB442A30	CNPV*4821A**	58MV(B,C)100-20	40000	12.50	15.00	1
3039219	24ABB442A30	CNPV*4821A**	58PH*090-16	40500	12.50	15.00	1
3039220	24ABB442A30	CNPV*4821A**	58PH*110-20	40500	12.50	15.00	1
3039265	24ABB442A30	CNPV*4821A** + TDR		40500	12.00	14.00	1
3039273	24ABB442A30	CNPV*4824A**	58CV(A,X)135-22	40500	12.50	15.00	1
3039274	24ABB442A30	CNPV*4824A**	58CV(A,X)155-22	40500	12.50	15.00	1
3039271	24ABB442A30	CNPV*4824A**	58MV(B,C)040-14	40000	12.20	14.50	1
3039272	24ABB442A30	CNPV*4824A**	58MV(B,C)120-20	40000	12.50	15.00	1
3039221	24ABB442A30	CNPV*4824A**	58PH*135-20	40500	12.50	15.00	1
3039270	24ABB442A30	CNPV*4824A** + TDR		40500	12.00	14.00	1
3039307	24ABB442A30	CSPH*4212A**	58CV(A,X)070-12	39500	12.20	14.50	1
3039308	24ABB442A30	CSPH*4212A**	58CV(A,X)090-16	40000	12.20	14.50	1
3039309	24ABB442A30	CSPH*4212A**	58CV(A,X)110-20	40000	12.20	14.50	1
3039310	24ABB442A30	CSPH*4212A**	58CV(A,X)135-22	40000	12.50	15.00	1
3039311	24ABB442A30	CSPH*4212A**	58CV(A,X)155-22	40000	12.50	15.00	1
3039301	24ABB442A30	CSPH*4212A**	58MV(B,C)040-14	39500	12.20	14.00	1
3039302	24ABB442A30	CSPH*4212A**	58MV(B,C)060-14	39500	12.20	14.50	1
3039303	24ABB442A30	CSPH*4212A**	58MV(B,C)080-14	39500	12.20	14.50	1
3039304	24ABB442A30	CSPH*4212A**	58MV(B,C)080-20	39500	12.20	14.50	1
3039305	24ABB442A30	CSPH*4212A**	58MV(B,C)100-20	40000	12.20	14.50	1
3039306	24ABB442A30	CSPH*4212A**	58MV(B,C)120-20	39500	12.20	15.00	1
3039230	24ABB442A30	CSPH*4212A**	58PH*070-16	39500	11.70	13.50	1
3039231	24ABB442A30	CSPH*4212A**	58PH*090-16	39500	12.50	15.00	1
3039232	24ABB442A30	CSPH*4212A**	58PH*110-20	40000	12.50	15.00	1
3039233	24ABB442A30	CSPH*4212A**	58PH*135-20	40000	12.20	15.00	1
3039300	24ABB442A30	CSPH*4212A** + TDR		40000	11.70	13.50	1
3039319	24ABB442A30	CSPH*4812A**	58CV(A,X)070-12	40500	12.20	14.50	1
3039320	24ABB442A30	CSPH*4812A**	58CV(A,X)090-16	40500	12.50	15.00	1
3039321	24ABB442A30	CSPH*4812A**	58CV(A,X)110-20	40500	12.50	15.00	1
3039322	24ABB442A30	CSPH*4812A**	58CV(A,X)135-22	40500	12.50	15.00	1
3039323	24ABB442A30	CSPH*4812A**	58CV(A,X)155-22	40500	12.50	15.00	1
3039313	24ABB442A30	CSPH*4812A**	58MV(B,C)040-14	40000	12.20	14.50	1
3039314	24ABB442A30	CSPH*4812A**	58MV(B,C)060-14	40500	12.20	14.50	1
3039315	24ABB442A30	CSPH*4812A**	58MV(B,C)080-14	40000	12.20	14.50	1
3039316	24ABB442A30	CSPH*4812A**	58MV(B,C)080-20	40500	12.20	14.50	1
3039317	24ABB442A30	CSPH*4812A**	58MV(B,C)100-20	40500	12.50	15.00	1

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COMBINATION RATINGS CONTINUED

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER	Phase
3039318	24ABB442A30	CSPH*4812A**	58MV(B,C)120-20	40500	12.50	15.00	1
3039234	24ABB442A30	CSPH*4812A**	58PH*070-16	40500	12.00	14.00	1
3039235	24ABB442A30	CSPH*4812A**	58PH*090-16	40500	12.50	15.00	1
3039236	24ABB442A30	CSPH*4812A**	58PH*110-20	40500	12.50	15.00	1
3039237	24ABB442A30	CSPH*4812A**	58PH*135-20	40500	12.50	15.00	1
3039312	24ABB442A30	CSPH*4812A**+TDR		40500	12.00	14.00	1
3039328	24ABB442A30	FE4AN(B,F)003+UI		39500	12.50	15.00	1
3039329	24ABB442A30	FE4AN(B,F)005+UI		41000	13.00	15.50	1
3039330	24ABB442A30	FE4ANB006+UI		41500	13.00	15.50	1
3039332	24ABB442A30	FV4BN(B,F)003		39500	12.50	15.00	1
3039333	24ABB442A30	FV4BN(B,F)005		41000	13.00	15.50	1
3039334	24ABB442A30	FV4BNB006		41500	13.00	15.50	1
3039326	24ABB442A30	FX4CN(B,F)042		40500	12.20	14.50	1
3039327	24ABB442A30	FX4CN(B,F)048		41500	12.50	15.00	1
3039324	24ABB442A30	FY4ANF042		40000	11.70	13.50	1
3039325	24ABB442A30	FY4ANF048		41000	12.00	14.00	1
3039335	24ABB448A30	*CAP**6024A**+TDR		48000	11.70	14.00	1
3039364	24ABB448A30	CAP**4817A**	58CV(A,X)090-16	46500	12.00	14.00	1
3039336	24ABB448A30	CAP**4817A**	58PH*070-16	46000	11.20	13.50	1
3039363	24ABB448A30	CAP**4817A**+TDR		46500	11.70	13.50	1
3039368	24ABB448A30	CAP**4821A**	58CV(A,X)110-20	46500	12.00	14.50	1
3039366	24ABB448A30	CAP**4821A**	58MV(B,C)080-20	46500	11.70	14.00	1
3039367	24ABB448A30	CAP**4821A**	58MV(B,C)100-20	46500	12.00	14.00	1
3039337	24ABB448A30	CAP**4821A**	58PH*090-16	47000	12.00	14.50	1
3039338	24ABB448A30	CAP**4821A**	58PH*110-20	47000	12.20	14.50	1
3039365	24ABB448A30	CAP**4821A**+TDR		47500	11.50	13.50	1
3039371	24ABB448A30	CAP**4824A**	58CV(A,X)135-22	47000	12.20	14.50	1
3039372	24ABB448A30	CAP**4824A**	58CV(A,X)155-22	47000	12.20	14.50	1
3039370	24ABB448A30	CAP**4824A**	58MV(B,C)120-20	46500	12.00	14.00	1
3039339	24ABB448A30	CAP**4824A**	58PH*135-20	47000	12.20	14.50	1
3039369	24ABB448A30	CAP**4824A**+TDR		47500	11.50	13.50	1
3039376	24ABB448A30	CAP**6021A**	58CV(A,X)110-20	47500	12.50	15.00	1
3039374	24ABB448A30	CAP**6021A**	58MV(B,C)080-20	47500	12.20	14.50	1
3039375	24ABB448A30	CAP**6021A**	58MV(B,C)100-20	47500	12.20	14.50	1
3039340	24ABB448A30	CAP**6021A**	58PH*090-16	47500	12.20	14.50	1
3039341	24ABB448A30	CAP**6021A**	58PH*110-20	47500	12.50	15.00	1
3039373	24ABB448A30	CAP**6021A**+TDR		48000	11.70	14.00	1
3039378	24ABB448A30	CAP**6024A**	58CV(A,X)135-22	48000	12.50	15.00	1
3039379	24ABB448A30	CAP**6024A**	58CV(A,X)155-22	48000	12.50	15.00	1
3039377	24ABB448A30	CAP**6024A**	58MV(B,C)120-20	47500	12.20	14.50	1
3039342	24ABB448A30	CAP**6024A**	58PH*135-20	48000	12.20	15.00	1
3039408	24ABB448A30	CNPF*4818A**+TDR		46500	11.50	13.50	1
3039396	24ABB448A30	CNPH*4821A**	58CV(A,X)090-16	47000	12.00	14.50	1
3039397	24ABB448A30	CNPH*4821A**	58CV(A,X)110-20	47000	12.20	14.50	1
3039398	24ABB448A30	CNPH*4821A**	58CV(A,X)135-22	47000	12.20	14.50	1
3039399	24ABB448A30	CNPH*4821A**	58CV(A,X)155-22	47000	12.50	15.00	1
3039393	24ABB448A30	CNPH*4821A**	58MV(B,C)080-20	46500	12.00	14.00	1
3039394	24ABB448A30	CNPH*4821A**	58MV(B,C)100-20	46500	12.00	14.00	1
3039395	24ABB448A30	CNPH*4821A**	58MV(B,C)120-20	46500	12.00	14.50	1
3039347	24ABB448A30	CNPH*4821A**	58PH*070-16	46500	11.20	13.50	1
3039348	24ABB448A30	CNPH*4821A**	58PH*090-16	47000	12.00	14.50	1
3039349	24ABB448A30	CNPH*4821A**	58PH*110-20	47000	12.20	14.50	1
3039350	24ABB448A30	CNPH*4821A**	58PH*135-20	47000	12.20	14.50	1
3039392	24ABB448A30	CNPH*4821A**+TDR		47500	11.50	13.50	1
3039404	24ABB448A30	CNPH*6024A**	58CV(A,X)090-16	47500	12.20	14.50	1
3039405	24ABB448A30	CNPH*6024A**	58CV(A,X)110-20	47500	12.20	14.50	1
3039406	24ABB448A30	CNPH*6024A**	58CV(A,X)135-22	48000	12.50	15.00	1
3039407	24ABB448A30	CNPH*6024A**	58CV(A,X)155-22	48000	12.50	15.00	1
3039401	24ABB448A30	CNPH*6024A**	58MV(B,C)080-20	47500	12.20	14.50	1

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24ABB4

COMBINATION RATINGS CONTINUED

24ABB4

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER	Phase
3039402	24ABB448A30	CNPH*6024A**	58MV(B,C)100–20	47500	12.20	14.50	1
3039403	24ABB448A30	CNPH*6024A**	58MV(B,C)120–20	47500	12.20	14.50	1
3039351	24ABB448A30	CNPH*6024A**	58PH*070–16	47500	11.50	13.50	1
3039352	24ABB448A30	CNPH*6024A**	58PH*090–16	48000	12.20	14.50	1
3039353	24ABB448A30	CNPH*6024A**	58PH*110–20	48000	12.50	15.00	1
3039354	24ABB448A30	CNPH*6024A**	58PH*135–20	48000	12.20	15.00	1
3039400	24ABB448A30	CNPH*6024A** + TDR		48000	11.70	14.00	1
3039383	24ABB448A30	CNPV*4821A**	58CV(A,X)110–20	47000	12.20	14.50	1
3039381	24ABB448A30	CNPV*4821A**	58MV(B,C)080–20	46500	12.00	14.00	1
3039382	24ABB448A30	CNPV*4821A**	58MV(B,C)100–20	46500	12.00	14.00	1
3039343	24ABB448A30	CNPV*4821A**	58PH*090–16	47000	12.00	14.50	1
3039344	24ABB448A30	CNPV*4821A**	58PH*110–20	47000	12.20	14.50	1
3039380	24ABB448A30	CNPV*4821A** + TDR		47500	11.50	13.50	1
3039386	24ABB448A30	CNPV*4824A**	58CV(A,X)135–22	47000	12.20	14.50	1
3039387	24ABB448A30	CNPV*4824A**	58CV(A,X)155–22	47000	12.50	15.00	1
3039385	24ABB448A30	CNPV*4824A**	58MV(B,C)120–20	46500	12.00	14.50	1
3039345	24ABB448A30	CNPV*4824A**	58PH*135–20	47000	12.20	14.50	1
3039384	24ABB448A30	CNPV*4824A** + TDR		47500	11.50	13.50	1
3039390	24ABB448A30	CNPV*6024A**	58CV(A,X)135–22	48000	12.50	15.00	1
3039391	24ABB448A30	CNPV*6024A**	58CV(A,X)155–22	48000	12.50	15.00	1
3039389	24ABB448A30	CNPV*6024A**	58MV(B,C)120–20	47500	12.20	14.50	1
3039346	24ABB448A30	CNPV*6024A**	58PH*135–20	48000	12.20	15.00	1
3039388	24ABB448A30	CNPV*6024A** + TDR		48000	11.70	14.00	1
3039413	24ABB448A30	CSPH*4812A**	58CV(A,X)090–16	47000	12.00	14.50	1
3039414	24ABB448A30	CSPH*4812A**	58CV(A,X)110–20	47000	12.20	14.50	1
3039415	24ABB448A30	CSPH*4812A**	58CV(A,X)135–22	47500	12.20	14.50	1
3039416	24ABB448A30	CSPH*4812A**	58CV(A,X)155–22	47000	12.20	14.50	1
3039410	24ABB448A30	CSPH*4812A**	58MV(B,C)080–20	46500	11.70	14.00	1
3039411	24ABB448A30	CSPH*4812A**	58MV(B,C)100–20	46500	12.00	14.00	1
3039412	24ABB448A30	CSPH*4812A**	58MV(B,C)120–20	47000	12.00	14.50	1
3039355	24ABB448A30	CSPH*4812A**	58PH*070–16	46500	11.20	13.50	1
3039356	24ABB448A30	CSPH*4812A**	58PH*090–16	47000	12.00	14.50	1
3039357	24ABB448A30	CSPH*4812A**	58PH*110–20	47000	12.20	14.50	1
3039358	24ABB448A30	CSPH*4812A**	58PH*135–20	47000	12.20	14.50	1
3039409	24ABB448A30	CSPH*4812A** + TDR		47500	11.70	13.50	1
3039421	24ABB448A30	CSPH*6012A**	58CV(A,X)090–16	48000	12.20	14.50	1
3039422	24ABB448A30	CSPH*6012A**	58CV(A,X)110–20	48000	12.50	15.00	1
3039423	24ABB448A30	CSPH*6012A**	58CV(A,X)135–22	48000	12.50	15.00	1
3039424	24ABB448A30	CSPH*6012A**	58CV(A,X)155–22	48000	12.50	15.00	1
3039418	24ABB448A30	CSPH*6012A**	58MV(B,C)080–20	47500	12.20	14.50	1
3039419	24ABB448A30	CSPH*6012A**	58MV(B,C)100–20	48000	12.20	14.50	1
3039420	24ABB448A30	CSPH*6012A**	58MV(B,C)120–20	48000	12.20	14.50	1
3039359	24ABB448A30	CSPH*6012A**	58PH*070–16	47500	11.50	13.50	1
3039360	24ABB448A30	CSPH*6012A**	58PH*090–16	48000	12.20	14.50	1
3039361	24ABB448A30	CSPH*6012A**	58PH*110–20	48000	12.50	15.00	1
3039362	24ABB448A30	CSPH*6012A**	58PH*135–20	48000	12.20	15.00	1
3039417	24ABB448A30	CSPH*6012A** + TDR		48000	11.70	14.00	1
3039429	24ABB448A30	FE4AN(B,F)005+UI		48000	12.50	15.00	1
3039430	24ABB448A30	FE4ANB006+UI		48000	13.00	15.50	1
3039431	24ABB448A30	FV4BN(B,F)005		48000	12.50	15.00	1
3039432	24ABB448A30	FV4BNB006		48000	13.00	15.50	1
3039427	24ABB448A30	FX4CN(B,F)048		48000	12.20	14.50	1
3039428	24ABB448A30	FX4CN(B,F)060		49000	12.50	15.00	1
3039426	24ABB448A30	FY4ANB060		48000	11.70	14.00	1
3039425	24ABB448A30	FY4ANF048		48000	11.50	13.50	1
3056349	24ABB460A30	*CAP**6024A** + TDR		59000	12.00	14.00	1
3056360	24ABB460A30	CAP**6021A**	58MV(B,C)080–20	56000	12.00	14.20	1
3056361	24ABB460A30	CAP**6021A**	58MV(B,C)100–20	56000	12.20	14.50	1
3056350	24ABB460A30	CAP**6021A**	58PH*090–16	57000	12.00	14.00	1
3056351	24ABB460A30	CAP**6021A**	58PH*110–20	57500	12.20	14.50	1

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COMBINATION RATINGS CONTINUED

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER	Phase
3056362	24ABB460A30	CAP**6021A**+TDR		58000	12.00	14.00	1
3056364	24ABB460A30	CAP**6024A**	58CV(A,X)135-22	58000	12.00	14.20	1
3056365	24ABB460A30	CAP**6024A**	58CV(A,X)155-22	58000	12.20	14.50	1
3056363	24ABB460A30	CAP**6024A**	58MV(B,C)120-20	55500	12.20	14.50	1
3056352	24ABB460A30	CAP**6024A**	58PH*135-20	58000	12.00	14.00	1
3056374	24ABB460A30	CNPH*6024A**	58CV(A,X)110-20	58000	12.00	14.20	1
3056375	24ABB460A30	CNPH*6024A**	58CV(A,X)135-22	58000	12.20	14.50	1
3056376	24ABB460A30	CNPH*6024A**	58CV(A,X)155-22	58000	12.20	14.50	1
3056371	24ABB460A30	CNPH*6024A**	58MV(B,C)080-20	55500	12.00	14.20	1
3056372	24ABB460A30	CNPH*6024A**	58MV(B,C)100-20	56000	12.20	14.50	1
3056373	24ABB460A30	CNPH*6024A**	58MV(B,C)120-20	55500	12.20	14.50	1
3056354	24ABB460A30	CNPH*6024A**	58PH*090-16	57500	12.00	14.00	1
3056355	24ABB460A30	CNPH*6024A**	58PH*110-20	58000	12.20	14.50	1
3056356	24ABB460A30	CNPH*6024A**	58PH*135-20	58000	12.00	14.00	1
3056370	24ABB460A30	CNPH*6024A**+TDR		59000	12.00	14.00	1
3056368	24ABB460A30	CNPV*6024A**	58CV(A,X)135-22	58000	12.20	14.50	1
3056369	24ABB460A30	CNPV*6024A**	58CV(A,X)155-22	58000	12.20	14.50	1
3056367	24ABB460A30	CNPV*6024A**	58MV(B,C)120-20	55500	12.20	14.50	1
3056353	24ABB460A30	CNPV*6024A**	58PH*135-20	58000	12.00	14.00	1
3056366	24ABB460A30	CNPV*6024A**+TDR		59000	12.00	14.00	1
3056381	24ABB460A30	CSPH*6012A**	58CV(A,X)110-20	58000	12.00	14.20	1
3056382	24ABB460A30	CSPH*6012A**	58CV(A,X)135-22	58500	12.20	14.50	1
3056383	24ABB460A30	CSPH*6012A**	58CV(A,X)155-22	58500	12.20	14.50	1
3056378	24ABB460A30	CSPH*6012A**	58MV(B,C)080-20	55500	12.00	14.20	1
3056379	24ABB460A30	CSPH*6012A**	58MV(B,C)100-20	55500	12.20	14.50	1
3056380	24ABB460A30	CSPH*6012A**	58MV(B,C)120-20	55500	12.20	14.50	1
3056357	24ABB460A30	CSPH*6012A**	58PH*090-16	57500	12.00	14.00	1
3056358	24ABB460A30	CSPH*6012A**	58PH*110-20	58000	12.20	14.50	1
3056359	24ABB460A30	CSPH*6012A**	58PH*135-20	58000	12.00	14.00	1
3056377	24ABB460A30	CSPH*6012A**+TDR		59000	12.00	14.00	1
3056386	24ABB460A30	FE4ANB006+UI		59000	12.20	14.50	1
3056387	24ABB460A30	FV4BNB006		59000	12.20	14.50	1
3056385	24ABB460A30	FX4CN(B,F)060		60000	12.20	14.50	1
3056384	24ABB460A30	FY4ANB060		59000	11.50	13.50	1

* 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.

EER — Energy Efficiency Ratio

SEER — Seasonal Energy Efficiency Ratio

TDR — Time-Delay Relay

TXV — Thermostatic Expansion Valve

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 affected.

24ABB4

DETAILED COOLING CAPACITIES#

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)																		
CFM	EWB ° F (° C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)			Total System KW**
		Capacity MBtuh	Total System KW**		Capacity MBtuh	Total System KW**		Capacity MBtuh	Total System KW**		Capacity MBtuh	Total System KW**		Capacity MBtuh	Total System KW**		Capacity MBtuh	Total System KW**		
24ABB418A30 Outdoor Section With CAP**2414A** Indoor Section																				
525	72 (22.2)	21.57	10.98	1.17	20.52	10.58	1.32	19.45	10.18	1.49	18.33	9.77	1.67	17.18	9.35	1.88	15.93	8.90	2.11	
	67 (19.4)	19.60	13.35	1.18	18.65	12.96	1.33	17.67	12.55	1.50	16.65	12.14	1.69	15.60	11.72	1.90	14.46	11.27	2.13	
	63 (17.2)††	18.22	12.94	1.24	17.35	12.55	1.38	16.44	12.15	1.54	15.48	11.73	1.72	14.45	11.29	1.91	13.33	10.81	2.11	
	62 (16.7)	17.82	15.71	1.19	16.96	15.31	1.34	16.08	14.91	1.51	15.18	14.49	1.70	14.29	14.29	1.91	13.44	13.44	2.13	
	57 (13.9)	17.16	17.16	1.20	16.49	16.49	1.35	15.79	15.79	1.51	15.06	15.06	1.70	14.29	14.29	1.91	13.44	13.44	2.13	
600	72 (22.2)	22.01	11.54	1.19	20.92	11.13	1.34	19.79	10.72	1.51	18.62	10.31	1.70	17.42	9.88	1.91	16.12	9.43	2.14	
	67 (19.4)	20.03	14.25	1.21	19.03	13.84	1.36	18.00	13.43	1.53	16.94	13.01	1.71	15.84	12.58	1.92	14.66	12.12	2.15	
	63 (17.2)††	18.62	13.77	1.27	17.71	13.38	1.41	16.76	12.97	1.57	15.76	12.54	1.75	14.69	12.09	1.94	13.53	11.61	2.14	
	62 (16.7)	18.27	16.94	1.22	17.38	16.52	1.37	16.50	16.41	1.54	15.70	15.70	1.72	14.86	14.86	1.93	13.95	13.95	2.16	
	57 (13.9)	17.96	17.96	1.22	17.23	17.23	1.37	16.48	16.48	1.54	15.70	15.70	1.72	14.87	14.87	1.93	13.95	13.95	2.16	
675	72 (22.2)	22.34	12.07	1.22	21.20	11.66	1.37	20.03	11.24	1.54	18.83	10.82	1.72	17.58	10.39	1.93	16.24	9.93	2.16	
	67 (19.4)	20.35	15.10	1.23	19.31	14.69	1.38	18.25	14.27	1.55	17.15	13.84	1.74	16.02	13.41	1.95	14.80	12.94	2.18	
	63 (17.2)††	18.92	14.58	1.29	17.98	14.18	1.44	17.00	13.76	1.60	15.96	13.32	1.77	14.86	12.87	1.96	13.68	12.37	2.17	
	62 (16.7)	18.68	18.08	1.24	17.86	17.86	1.39	17.06	17.06	1.56	16.22	16.22	1.75	15.33	15.33	1.95	14.37	14.37	2.18	
	57 (13.9)	18.63	18.63	1.24	17.86	17.86	1.39	17.06	17.06	1.56	16.22	16.22	1.75	15.33	15.33	1.95	14.37	14.37	2.18	

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**2414A**	0.99	0.91	58PH*045-08
CAP**1814A**	1.00	0.88	58PH*045-08
CAP**2417A**	1.00	0.88	58PH*045-08
CNPV*1814A**	0.99	0.91	58PH*045-08
CNPV*2414A**	1.00	0.88	58PH*045-08
CSPH*2412A**	1.00	0.88	58PH*045-08

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COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CAP**2414A**	1.00	1.00	
CAP**1814A**	0.99	1.02	
CAP**2417A**	1.00	1.00	
CNPF*2418A**	1.00	1.00	
CNPH*2417A**	1.00	1.00	
CNPV*1814A**	0.99	1.02	
CNPV*2414A**	1.00	1.00	
CNPV*2417A**	1.00	1.00	
CSPH*2412A**	1.00	0.96	
FF1ENP018	0.99	1.02	
FF1ENP024	1.00	1.03	
FV4BNF002	1.01	0.88	
FX4CNF018	1.00	0.88	
FX4CNF024	1.02	0.90	
FY4ANF018	0.99	1.02	
FY4ANF024	0.99	1.02	
CAP**1814A**	0.98	0.90	58CV(A,X)070-12
CAP**2414A**	0.99	0.88	58CV(A,X)070-12
CNPH*2417A**	0.99	0.88	58CV(A,X)070-12
CNPV*1814A**	0.98	0.90	58CV(A,X)070-12
CNPV*2414A**	0.99	0.88	58CV(A,X)070-12
CSPH*2412A**	0.99	0.88	58CV(A,X)070-12
CAP**2417A**	0.99	0.88	58CV(A,X)090-16
CNPH*2417A**	0.99	0.88	58CV(A,X)090-16
CNPV*2417A**	0.99	0.88	58CV(A,X)090-16
CSPH*2412A**	0.99	0.88	58CV(A,X)090-16
CSPH*2417A**	0.99	0.88	58MV(B,C)040-14
CAP**2417A**	0.99	0.88	58MV(B,C)060-14
CNPH*2417A**	0.99	0.88	58MV(B,C)060-14
CNPV*2417A**	0.99	0.88	58MV(B,C)060-14
CSPH*2412A**	0.99	0.88	58MV(B,C)060-14
CNPV*2417A**	0.99	0.88	58MV(B,C)060-14
CSPH*2412A**	0.99	0.88	58MV(B,C)060-14
CNPV*2417A**	0.99	0.88	58MV(B,C)060-14
CSPH*2412A**	0.99	0.88	58MV(B,C)060-14

DETAILED COOLING CAPACITIES# CONTINUED

EVAPORATOR AIR			CONDENSER ENTERING AIR TEMPERATURES °F (°C)																
CFM	EWB °F (°C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBTuh		Total System KW**	Capacity MBTuh		Total System KW**	Capacity MBTuh		Total System KW**	Capacity MBTuh		Total System KW**	Capacity MBTuh		Total System KW**	Capacity MBTuh		Total System KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
24ABBA24A30 Outdoor Section With CAP**2414A* Indoor Section																			
700	72 (22.2)	27.69	13.74	1.56	26.47	13.29	1.74	25.18	12.83	1.95	23.82	12.35	2.17	22.35	11.83	2.42	20.74	11.28	2.69
	67 (19.4)	25.12	16.76	1.56	23.98	15.74	1.74	22.79	15.84	1.95	21.54	15.35	2.17	20.19	14.83	2.42	18.72	14.27	2.69
	63 (17.2)†	23.30	16.20	1.56	22.23	16.31	1.74	21.12	15.27	1.94	19.94	14.78	2.17	18.67	14.26	2.42	17.30	13.69	2.69
	62 (16.7)	22.88	19.79	1.56	21.85	19.33	1.74	20.79	18.84	1.94	19.68	18.33	2.17	18.60	18.60	2.42	17.50	17.50	2.69
	57 (13.9)	22.21	22.21	1.56	21.39	21.53	1.74	20.53	20.53	1.94	19.60	19.60	2.17	18.60	18.60	2.42	17.50	17.50	2.69
	72 (22.2)	28.25	14.43	1.60	26.96	13.97	1.78	25.62	13.50	1.98	24.20	13.01	2.21	22.68	12.49	2.46	21.01	11.93	2.73
800	67 (19.4)	25.62	17.85	1.60	24.43	17.39	1.78	23.20	16.92	1.98	21.90	16.42	2.21	20.50	15.89	2.46	18.98	15.32	2.73
	63 (17.2)†	23.77	17.23	1.60	22.66	16.76	1.78	21.50	16.28	1.98	20.28	15.78	2.21	18.97	15.25	2.46	17.54	14.67	2.73
	62 (16.7)	23.44	21.28	1.60	22.40	20.78	1.78	21.36	20.39	1.98	20.39	19.32	2.21	19.32	19.32	2.46	18.14	18.14	2.73
	57 (13.9)	23.17	23.17	1.60	22.30	22.30	1.78	21.37	21.37	1.98	20.39	20.39	2.21	19.32	19.32	2.46	18.14	18.14	2.73
	72 (22.2)	28.66	15.08	1.64	27.33	14.62	1.82	25.94	14.14	2.02	24.47	13.64	2.25	22.90	13.12	2.49	21.19	12.55	2.77
	67 (19.4)	26.00	18.90	1.64	24.78	18.43	1.82	23.51	17.95	2.02	22.17	17.44	2.25	20.74	16.91	2.49	19.18	16.32	2.77
900	63 (17.2)†	24.13	18.21	1.63	22.99	17.74	1.82	21.79	17.25	2.02	20.53	16.73	2.24	19.19	16.19	2.49	17.74	15.59	2.77
	62 (16.7)	23.95	23.95	1.63	23.05	23.05	1.82	22.07	22.07	2.02	21.03	21.03	2.24	19.91	19.91	2.49	18.66	18.66	2.77
	57 (13.9)	23.98	23.98	1.63	23.05	23.05	1.82	22.08	22.08	2.02	21.03	21.03	2.24	19.91	19.91	2.49	18.66	18.66	2.77

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CAP**2414A**	1.00	1.00	
CAP**2417A**	1.00	1.00	
CAP**3014A**	1.01	0.98	
CAP**3017A**	1.01	0.98	
CNPF*2418A**	1.00	1.00	
CNPH*2417A**	1.00	1.00	
CNPH*3017A**	1.01	0.98	
CNPV*2414A**	1.00	1.00	
CNPV*2417A**	1.00	1.00	
CNPV*3014A**	1.01	0.98	
CSPH*2412A**	1.00	1.00	
FE4AN(B, F)003	1.02	0.90	
FE4ANF002	1.01	0.89	
FF1ENP024	0.99	0.99	
FF1ENP030	0.99	0.99	
FV4BN(B, F)003	1.02	0.90	
FV4BNF002	1.01	0.89	
FX4CNF024	1.01	0.94	
FX4CNF030	1.02	0.92	
FY4ANF024	0.99	1.02	
FY4ANF030	1.00	0.98	
CAP**2414A**	0.99	0.89	58CV(A, X)070-12
CAP**3014A**	1.00	0.90	58CV(A, X)070-12
CNPH*2417A**	0.98	0.88	58CV(A, X)070-12
CNPH*3017A**	1.00	0.90	58CV(A, X)070-12
CNPV*2414A**	0.98	0.88	58CV(A, X)070-12
CNPV*3014A**	1.00	0.90	58CV(A, X)070-12
CSPH*2412A**	0.99	0.89	58CV(A, X)070-12
CAP**2417A**	1.00	0.90	58CV(A, X)070-12
CAP**3017A**	1.00	0.89	58CV(A, X)090-16
CNPH*2417A**	0.99	0.89	58CV(A, X)090-16
CNPH*3017A**	1.00	0.89	58CV(A, X)090-16
CNPV*2417A**	0.99	0.89	58CV(A, X)090-16
CNPV*3017A**	1.00	0.89	58CV(A, X)090-16
CSPH*2412A**	0.99	0.89	58CV(A, X)090-16

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CSPH*3012A**	1.00	0.89	58CV(A, X)090-16
CNPH*2417A**	0.99	0.89	58CV(A, X)110-20
CNPH*3017A**	1.00	0.90	58CV(A, X)110-20
CSPH*2412A**	1.00	0.90	58CV(A, X)110-20
CSPH*3012A**	1.01	0.91	58CV(A, X)110-20
CNPH*2417A**	0.99	0.89	58CV(A, X)135-22
CNPH*3017A**	1.01	0.91	58CV(A, X)135-22
CSPH*2412A**	1.00	0.90	58CV(A, X)135-22
CSPH*3012A**	1.01	0.91	58CV(A, X)155-22
CNPH*2417A**	0.99	0.89	58CV(A, X)155-22
CNPH*3017A**	1.01	0.89	58CV(A, X)155-22
CSPH*2412A**	1.00	0.90	58CV(A, X)155-22
CSPH*3012A**	1.01	0.91	58CV(A, X)155-22
CNPH*2417A**	0.99	0.89	58MV(B, C)040-14
CNPH*3017A**	1.00	0.90	58MV(B, C)040-14
CSPH*2412A**	1.00	0.90	58MV(B, C)040-14
CSPH*3012A**	1.01	0.91	58MV(B, C)040-14
CAP**2417A**	0.99	0.89	58MV(B, C)060-14
CAP**3017A**	1.00	0.90	58MV(B, C)060-14
CNPH*2417A**	0.99	0.89	58MV(B, C)060-14
CNPH*3017A**	1.00	0.90	58MV(B, C)060-14
CSPH*2412A**	1.00	0.89	58MV(B, C)060-14
CSPH*3012A**	1.01	0.90	58MV(B, C)060-14
CNPH*2417A**	0.99	0.89	58MV(B, C)080-14
CNPH*3017A**	1.00	0.90	58MV(B, C)080-14
CSPH*2412A**	1.00	0.90	58MV(B, C)080-14
CSPH*3012A**	1.01	0.90	58MV(B, C)080-14
CNPH*2417A**	0.98	0.92	58MV(B, C)080-20
CNPH*3017A**	0.99	0.89	58MV(B, C)080-20
CSPH*2412A**	0.99	0.89	58MV(B, C)080-20
CSPH*3012A**	1.00	0.89	58MV(B, C)080-20
CNPH*2417A**	0.99	0.89	58MV(B, C)100-20
CNPH*3017A**	1.00	0.90	58MV(B, C)100-20
CSPH*2412A**	1.00	0.90	58MV(B, C)100-20
CSPH*3012A**	1.01	0.91	58MV(B, C)100-20
CNPH*2417A**	0.98	0.92	58MV(B, C)120-20
CNPH*3017A**	1.00	0.90	58MV(B, C)120-20

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CSPH*2412A**	1.00	0.90	58MV(B, C)120-20
CSPH*3012A**	1.00	0.90	58MV(B, C)120-20
CAP**2414A**	1.00	0.90	58PH*045-08
CAP**3014A**	1.01	0.91	58PH*045-08
CNPH*2417A**	0.99	0.93	58PH*045-08
CNPH*3017A**	1.01	0.91	58PH*045-08
CNPV*2414A**	0.99	0.93	58PH*045-08
CNPV*3014A**	1.01	0.91	58PH*045-08
CSPH*2412A**	1.01	0.91	58PH*045-08
CSPH*3012A**	1.01	0.91	58PH*045-08

See notes on page 27

DETAILED COOLING CAPACITIES# CONTINUED

EVAPORATOR AIR			CONDENSER ENTERING AIR TEMPERATURES °F (°C)																
CFM	EWB °F (°C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBTuh		Total System KW**	Capacity MBTuh		Total System KW**	Capacity MBTuh		Total System KW**	Capacity MBTuh		Total System KW**	Capacity MBTuh		Total System KW**			
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†				
24ABB430A30 Outdoor Section With CAP**3014 Indoor Section																			
	72 (22.2)	34.32	17.27	1.96	32.83	16.71	2.19	31.24	16.13	2.44	29.59	15.54	2.71	27.80	14.90	25.81	14.20	3.34	
875	67 (19.4)	31.45	21.21	1.96	30.06	20.64	2.18	28.59	20.05	2.43	27.04	19.44	2.71	25.38	18.78	23.54	18.08	3.33	
	63 (17.2)†	29.35	20.58	1.96	28.04	20.00	2.18	26.66	19.40	2.43	25.19	18.78	2.70	23.61	18.11	21.89	17.40	3.33	
	62 (16.7)	28.82	25.13	1.95	27.56	24.55	2.18	26.24	23.94	2.43	24.86	23.29	2.70	23.47	23.47	22.07	22.07	3.33	
	72 (22.2)	28.00	28.00	1.95	26.98	26.98	2.18	25.89	25.89	2.43	24.74	24.74	2.70	23.48	23.48	22.07	22.07	3.33	
1000	72 (22.2)	34.88	18.05	2.01	33.32	17.49	2.23	31.66	16.90	2.48	29.96	16.30	2.76	28.11	15.65	26.06	14.95	3.38	
	67 (19.4)	31.98	22.49	2.01	30.53	21.91	2.23	29.00	21.31	2.48	27.40	20.68	2.75	25.69	20.03	23.80	19.31	3.38	
	63 (17.2)†	29.88	21.78	2.00	28.51	21.19	2.23	27.07	20.58	2.48	25.55	19.95	2.75	23.93	19.29	22.15	18.55	3.37	
	62 (16.7)	29.44	26.90	2.00	28.16	26.29	2.23	26.81	26.81	2.48	25.62	25.62	2.75	24.28	24.28	22.79	22.79	3.38	
1125	57 (13.9)	29.10	29.10	2.00	28.01	28.01	2.23	26.85	26.85	2.48	25.62	25.62	2.75	24.28	24.28	22.79	22.79	3.38	
	72 (22.2)	35.27	18.78	2.06	33.67	18.21	2.28	31.96	17.61	2.53	30.22	17.01	2.81	28.32	16.36	26.21	15.64	3.43	
	67 (19.4)	32.36	23.19	2.05	30.87	23.10	2.28	29.29	22.50	2.53	27.66	21.21	2.80	26.31	21.21	23.99	20.48	3.43	
	63 (17.2)†	30.25	22.90	2.05	28.84	22.31	2.28	27.36	21.70	2.52	25.82	21.07	2.80	24.16	20.39	22.35	19.63	3.42	
	62 (16.7)	30.02	28.49	2.05	28.84	28.84	2.28	27.62	27.62	2.52	26.32	26.32	2.80	24.92	24.92	23.35	23.35	3.42	
	57 (13.9)	29.99	29.99	2.05	28.84	28.84	2.28	27.62	27.62	2.52	26.32	26.32	2.80	24.92	24.92	23.35	23.35	3.42	

COOLING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL	
*CAP**3017A**	CAP**3017A**	1.00	1.00		
CAP**3614A**	CAP**3614A**	1.00	1.00		
CAP**3614A**	CAP**3614A**	0.97	0.97		
CAP**3617A**	CAP**3617A**	1.01	1.01		
CAP**3621A**	CAP**3621A**	1.00	1.01		
CNPF*3618A**	CNPF*3618A**	1.00	1.00		
CNPF*3017A**	CNPF*3017A**	1.00	1.00		
CNPF*3617A**	CNPF*3617A**	1.00	1.00		
CNPF*3014A**	CNPF*3014A**	1.00	1.00		
CNPF*3017A**	CNPF*3017A**	1.00	1.00		
CNPF*3621A**	CNPF*3621A**	1.00	1.00		
CSPH*3012A**	CSPH*3012A**	1.00	1.00		
CSPH*3612A**	CSPH*3612A**	1.01	1.01		
FE4AN(B,F)003	FE4AN(B,F)003	1.01	0.91		
FE4AN(B,F)005	FE4AN(B,F)005	1.03	0.92		
FE4ANF002	FE4ANF002	1.00	0.94		
FF1ENP030	FF1ENP030	0.99	0.99		
FF1ENP036	FF1ENP036	1.01	1.01		
FV4BN(B,F)003	FV4BN(B,F)003	1.01	0.91		
FV4BN(B,F)005	FV4BN(B,F)005	1.03	0.92		
FV4BNF002	FV4BNF002	1.00	0.94		
FX4CN(B,F)036	FX4CN(B,F)036	1.01	0.97		
FX4CNF030	FX4CNF030	1.01	0.94		
FY4ANF030	FY4ANF030	0.99	0.99		
FY4ANF036	FY4ANF036	1.00	1.00		
CAP**3014A**	CAP**3014A**	0.99	0.93	58CV(A,X)070-12	
CAP**3614A**	CAP**3614A**	0.99	0.93	58CV(A,X)070-12	
CNPF*3017A**	CNPF*3017A**	0.99	0.93	58CV(A,X)070-12	
CNPF*3617A**	CNPF*3617A**	0.99	0.93	58CV(A,X)070-12	
CNPF*3014A**	CNPF*3014A**	0.99	0.93	58CV(A,X)070-12	
CSPH*3012A**	CSPH*3012A**	1.00	0.94	58CV(A,X)070-12	
CSPH*3612A**	CSPH*3612A**	1.00	0.94	58CV(A,X)070-12	
CAP**3017A**	CAP**3017A**	0.99	0.93	58CV(A,X)090-16	
CAP**3617A**	CAP**3617A**	1.00	0.90	58CV(A,X)090-16	
CNPF*3017A**	CNPF*3017A**	0.99	0.93	58CV(A,X)090-16	
CNPF*3617A**	CNPF*3617A**	0.99	0.93	58CV(A,X)090-16	
CNPV*3017A**	CNPV*3017A**	0.99	0.93	58CV(A,X)090-16	

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DETAILED COOLING CAPACITIES# CONTINUED

EVAPORATOR AIR			CONDENSER ENTERING AIR TEMPERATURES °F (°C)																
CFM	EWB °F (°C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**			
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†				
24ABB436A30 Outdoor Section With CAP**4221A** Indoor Section																			
	72 (22.2)	42.83	21.41	2.35	40.92	20.71	2.63	38.92	19.98	2.94	36.78	19.21	3.29	34.47	18.40	3.68	31.94	17.51	4.12
1050	67 (19.4)	38.83	26.08	2.35	37.06	25.37	2.63	35.20	24.62	2.94	33.22	23.84	3.29	31.08	23.11	3.68	28.75	22.11	4.12
	63 (17.2)†	35.91	25.16	2.35	34.27	24.45	2.63	32.54	23.71	2.94	30.68	22.92	3.28	28.68	22.09	3.67	26.48	21.18	4.10
	62 (16.7)	35.34	30.76	2.35	33.74	30.03	2.63	32.07	29.26	2.94	30.32	28.42	3.29	28.58	28.58	3.68	26.83	26.83	4.12
	57 (13.9)	34.26	34.26	2.35	32.98	31.63	2.35	31.63	31.63	2.35	28.58	28.58	3.29	28.58	28.58	3.68	26.83	26.83	4.12
	72 (22.2)	43.66	22.44	2.40	41.67	21.92	2.68	39.58	20.98	2.99	37.36	20.20	3.34	34.96	19.37	3.73	32.33	18.47	4.17
1200	67 (19.4)	39.58	27.71	2.40	37.74	26.98	2.68	35.80	26.22	2.99	33.75	25.43	3.34	31.55	24.59	3.73	29.14	23.68	4.17
	63 (17.2)†	36.60	26.68	2.41	34.89	25.95	2.69	33.09	25.20	2.99	31.17	24.41	3.34	29.11	23.67	3.72	26.85	22.63	4.15
	62 (16.7)	36.18	32.98	2.40	34.56	32.21	2.68	32.87	32.87	2.99	31.35	31.35	3.34	29.67	29.67	3.73	27.80	27.80	4.17
	57 (13.9)	35.72	35.72	2.40	34.36	34.36	2.68	32.91	32.91	2.99	31.36	31.36	3.34	29.67	29.67	3.73	27.80	27.80	4.17
	72 (22.2)	44.27	23.23	2.45	42.22	22.67	2.73	40.06	21.92	3.05	37.77	21.13	3.40	35.31	20.29	3.79	32.61	19.38	4.22
1350	67 (19.4)	40.14	29.23	2.45	38.24	28.50	2.73	36.25	27.74	3.04	34.15	26.94	3.39	31.89	26.44	3.78	29.44	25.15	4.22
	63 (17.2)†	37.12	28.10	2.46	35.36	27.38	2.74	33.51	26.62	3.05	31.55	25.81	3.39	29.44	24.95	3.77	27.14	23.99	4.21
	62 (16.7)	36.97	34.99	2.45	35.49	35.49	2.73	33.97	33.97	3.04	32.33	32.33	3.39	30.56	30.56	3.78	28.59	28.59	4.22
	57 (13.9)	36.94	36.94	2.45	35.50	35.50	2.73	33.97	33.97	3.04	32.34	32.34	3.39	30.56	30.56	3.78	28.60	28.60	4.22

	COOLING	CAPACITY	POWER	FURNACE MODEL
	INDOOR MODEL			
	CNP/*3621A**	0.99	0.91	58PH*110-20
	CNP/*4221A**	1.00	0.92	58PH*110-20
	CSPH*3612A**	0.99	0.91	58PH*110-20
	CSPH*4212A**	1.00	0.92	58PH*110-20

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COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CAP**4221A**	1.00	1.00	
CAP**3614A**	0.96	0.96	
CAP**3617A**	0.99	1.03	
CAP**3621A**	0.99	1.03	
CAP**4224A**	1.00	1.00	
CNPF*3618A**	0.99	1.03	
CNPH*3617A**	0.99	1.03	
CNPH*4221A**	1.00	1.00	
CNPV*3617A**	0.99	1.03	
CNPV*3621A**	0.99	1.03	
CNPH*4221A**	1.00	1.00	
CSPH*3612A**	0.98	0.94	
CSPH*4212A**	1.00	1.00	
FF*ENP036	0.98	0.98	
FV4BNB.FJ003	0.99	0.91	
FV4BNB.FJ005	1.02	0.94	
FV4BNB006	1.03	0.92	
FV4BNF002	0.98	0.94	
Fx4CNB.FJ036	1.01	0.97	
Fx4CNB.FJ042	1.02	0.94	
FY4ANF036	0.97	1.01	
FY4ANF042	1.01	1.05	
CAP**3614A**	0.95	0.91	58CV(A.X)070-12
CNPH*3617A**	0.98	0.94	58CV(A.X)070-12
CNPH*4221A**	0.99	0.91	58CV(A.X)070-12
CSPH*3612A**	0.98	0.98	58CV(A.X)070-12
CSPH*4212A**	0.99	0.95	58CV(A.X)070-12
CAP**3617A**	0.98	0.94	58CV(A.X)090-16
CNPV*3617A**	0.98	0.94	58CV(A.X)090-16
CAP**3621A**	0.98	0.91	58CV(A.X)110-20
CAP**4221A**	0.99	0.91	58CV(A.X)110-20
CNPV*3621A**	0.98	0.94	58CV(A.X)110-20
CNPH*4221A**	0.99	0.91	58CV(A.X)110-20
CAP**4224A**	0.99	0.92	58CV(A.X)135-22
CNPH*4221A**	0.99	0.92	58CV(A.X)155-22
CNPH*4221A**	0.98	0.94	58MV(B.C)040-14
CAP**4224A**	0.98	0.91	58MV(B.C)040-14
CNPH*3617A**	0.98	0.94	58MV(B.C)040-14
CNPH*4221A**	0.98	0.91	58MV(B.C)040-14

DETAILED COOLING CAPACITIES# CONTINUED

EVAPORATOR AIR				CONDENSER ENTERING AIR TEMPERATURES °F (°C)																			
CFM	EWB °F (°C)	75 (23.9)		85 (29.4)		95 (35)				105 (40.6)				115 (46.1)				125 (51.7)					
		Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**				
		Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†				
1225	72 (22.2)	48.05	25.12	2.73	45.96	24.33	3.01	43.71	23.49	3.33	41.29	22.60	3.69	38.67	21.65	4.09	35.79	20.62	4.54				
	67 (19.4)	43.89	30.89	2.72	41.98	30.10	2.99	39.91	29.25	3.30	37.68	28.34	3.66	35.27	27.38	4.06	32.63	26.34	4.51				
	63 (17.2)†	40.92	29.95	2.70	39.13	29.14	2.98	37.19	28.29	3.29	35.10	27.38	3.64	32.85	26.41	4.04	30.38	25.36	4.49				
	62 (16.7)	40.15	36.63	2.70	38.43	35.61	2.97	36.57	34.93	3.29	34.62	33.94	3.64	32.73	32.73	4.04	30.72	30.72	4.49				
	57 (13.9)	39.09	39.09	2.70	37.71	37.71	2.97	36.19	36.19	3.28	34.54	34.54	3.64	32.73	32.73	4.04	30.72	30.72	4.49				
1400	72 (22.2)	48.66	26.34	2.80	46.68	25.54	3.08	44.34	24.69	3.40	41.83	23.78	3.76	39.11	22.82	4.16	36.13	21.77	4.61				
	67 (19.4)	44.66	32.85	2.78	42.65	32.04	3.06	40.50	31.18	3.37	38.19	30.26	3.73	35.70	29.29	4.13	32.99	28.22	4.58				
	63 (17.2)†	41.67	31.79	2.77	39.80	30.97	3.05	37.78	30.10	3.36	35.61	29.18	3.71	33.28	28.19	4.11	30.74	27.12	4.56				
	62 (16.7)	41.04	39.30	2.77	39.30	38.41	3.04	37.56	37.56	3.36	35.80	35.80	3.72	33.87	33.87	4.12	31.72	31.72	4.57				
	57 (13.9)	40.68	40.68	2.77	39.19	39.19	3.04	37.57	37.57	3.36	35.80	35.80	3.72	33.87	33.87	4.12	31.72	31.72	4.57				
1575	72 (22.2)	49.45	27.49	2.87	47.20	26.68	3.15	44.79	25.81	3.47	42.20	24.90	3.83	39.41	23.92	4.23	36.35	22.87	4.68				
	67 (19.4)	45.21	34.71	2.85	43.15	33.90	3.13	40.93	33.03	3.44	38.56	32.10	3.78	36.01	31.10	4.20	33.24	30.00	4.65				
	63 (17.2)†	42.21	33.53	2.84	40.28	32.71	3.11	38.21	31.83	3.43	35.98	30.89	3.78	33.59	29.88	4.18	31.01	28.76	4.63				
	62 (16.7)	41.94	41.94	2.84	40.38	40.38	3.11	38.66	38.66	3.43	36.79	36.79	3.79	34.76	34.76	4.19	32.50	32.50	4.64				
	57 (13.9)	41.96	41.96	2.84	40.38	40.38	3.11	38.66	38.66	3.43	36.80	36.80	3.79	34.76	34.76	4.19	32.50	32.50	4.64				
24ABBA42A30 Outdoor Section With CAP**4821A* Indoor Section																							
COOLING INDOOR MODEL		CAPACITY		POWER		FURNACE MODEL		COOLING INDOOR MODEL		CAPACITY		POWER		FURNACE MODEL		COOLING INDOOR MODEL		CAPACITY		POWER		FURNACE MODEL	
*CAP**4821A**		1.00		1.00				CSPH*4812A**		0.99		0.97		58CVA(X)110-20		CNPV*4821A**		0.99		0.97		58MV(B,C)080-20	
CAP**4224A**		0.99		1.01				CSPH*4812A**		1.00		0.96		58CVA(X)110-20		CNPV*4821A**		0.98		0.96		58MV(B,C)080-20	
CAP**4817A**		0.98		0.98				CAP**4224A**		0.98		0.94		58CVA(X)135-22		CNPV*4812A**		0.99		0.97		58MV(B,C)080-20	
CAP**4824A**		1.00		1.00				CAP**4824A**		0.99		0.95		58CVA(X)135-22		CSPH*4212A**		0.98		0.96		58MV(B,C)080-20	
CNP**4818A**		0.98		1.02				CNPV*4821A**		0.98		0.94		58CVA(X)135-22		CSPH*4812A**		0.99		0.96		58MV(B,C)080-20	
CNPV*4221A**		0.99		1.01				CNPV*4824A**		1.00		0.96		58CVA(X)135-22		CAP**4821A**		0.98		0.95		58MV(B,C)100-20	
CNPV*4821A**		1.00		1.00				CSPH*4212A**		0.99		0.95		58CVA(X)135-22		CNPV*4821A**		0.98		0.96		58MV(B,C)100-20	
CNPV*4821A**		1.00		1.00				CAP**4224A**		1.00		0.96		58CVA(X)135-22		CNPV*4821A**		0.98		0.96		58MV(B,C)100-20	
CNPV*4824A**		1.00		1.00				CAP**4824A**		0.98		0.94		58CVA(X)155-22		CNPV*4812A**		0.99		0.97		58MV(B,C)100-20	
CSPH*4812A**		0.99		1.01				CNPV*4821A**		0.98		0.94		58CVA(X)155-22		CSPH*4812A**		1.00		0.96		58MV(B,C)100-20	
CSPH*4812A**		1.00		1.00				CNPV*4824A**		1.00		0.96		58CVA(X)155-22		CAP**4224A**		0.98		0.96		58MV(B,C)120-20	
FE4ANB.FJ003		0.98		0.94				CSPH*4212A**		0.99		0.95		58CVA(X)155-22		CAP**4824A**		0.99		0.95		58MV(B,C)120-20	
FE4ANB.FJ005		1.01		0.93				CSPH*4812A**		0.99		0.96		58CVA(X)155-22		CNPV*4821A**		0.98		0.95		58MV(B,C)120-20	
FE4ANB006		1.02		0.95				CAP**4224A**		1.00		0.96		58CVA(X)155-22		CNPV*4821A**		0.98		0.96		58MV(B,C)120-20	
FV4BNB.FJ003		0.98		0.94				CAP**4824A**		0.96		0.95		58MV(B,C)040-14		CNPV*4824A**		0.99		0.95		58MV(B,C)120-20	
FV4BNB.FJ005		1.01		0.93				CAP**4824A**		0.98		0.97		58MV(B,C)040-14		CNPV*4824A**		0.99		0.95		58MV(B,C)120-20	
FV4BNB006		1.02		0.95				CNPV*4221A**		0.98		0.98		58MV(B,C)040-14		CSPH*4212A**		1.00		0.96		58MV(B,C)120-20	
FX4CNB.FJ042		1.00		0.98				CNPV*4821A**		0.99		0.97		58MV(B,C)040-14		CSPH*4812A**		1.00		0.96		58MV(B,C)120-20	
FX4CNB.FJ048		1.02		0.98				CNPV*4824A**		0.99		0.97		58MV(B,C)040-14		CAP**4817A**		1.00		1.00		58PH*070-16	
FY4ANF042		0.99		1.01				CSPH*4212A**		0.98		0.96		58MV(B,C)040-14		CNPV*4221A**		0.98		1.00		58PH*070-16	
FY4ANF048		1.01		1.01				CSPH*4812A**		0.99		0.97		58MV(B,C)040-14		CNPV*4821A**		1.00		1.00		58PH*070-16	
CNPV*4221A**		0.98		0.98				CAP**4817A**		0.96		0.95		58MV(B,C)080-14		CSPH*4212A**		1.00		1.00		58PH*070-16	
CNPV*4821A**		0.99		0.97				CNPV*4221A**		0.98		0.96		58MV(B,C)080-14		CSPH*4812A**		1.00		1.00		58PH*070-16	
CSPH*4812A**		0.98		0.96				CNPV*4821A**		0.99		0.97		58MV(B,C)080-14		CSPH*4812A**		1.00		1.00		58PH*070-16	
CSPH*4812A**		0.98		0.96				CNPV*4821A**		0.99		0.95		58MV(B,C)080-14		CAP**4221A**		0.98		0.96		58PH*090-16	
CSPH*4812A**		1.00		0.98				CSPH*4212A**		0.98		0.96		58MV(B,C)080-14		CAP**4821A**		0.99		0.96		58PH*090-16	
CAP**4817A**		0.98		0.94				CSPH*4812A**		1.00		0.98		58MV(B,C)080-14		CNPV*4221A**		1.00		0.96		58PH*090-16	
CNPV*4221A**		0.99		0.95				CAP**4821A**		0.99		0.97		58MV(B,C)080-14		CNPV*4821A**		1.00		0.96		58PH*090-16	
CNPV*4821A**		1.00		0.96				CNPV*4221A**		0.98		0.96		58MV(B,C)080-14		CNPV*4821A**		1.00		0.96		58PH*090-16	
CSPH*4212A**		0.99		0.97				CNPV*4821A**		0.96		0.96		58MV(B,C)080-14		CNPV*4821A**		1.00		0.96		58PH*090-16	
CSPH*4812A**		1.00		0.96				CNPV*4821A**		0.99		0.97		58MV(B,C)080-14		CSPH*4812A**		1.00		0.94		58PH*090-16	
CAP**4221A**		0.98		0.96				CNPV*4821A**		0.96		0.96		58MV(B,C)080-14		CSPH*4812A**		1.00		1.00		58PH*070-16	
CAP**4821A**		0.99		0.95				CNPV*4821A**		0.98		0.96		58MV(B,C)080-14		CSPH*4812A**		1.00		1.00		58PH*070-16	
CNPV*4821A**		1.00		0.96				CNPV*4821A**		0.99		0.97		58MV(B,C)080-14		CAP**4221A**		0.98		0.96		58PH*090-16	
CNPV*4821A**		1.00		0.96				CNPV*4821A**		0.99		0.96		58MV(B,C)080-14		CAP**4821A**		0.99		0.96		58PH*090-16	
CNPV*4821A**		1.00		0.96				CNPV*4821A**		0.99		0.96		58MV(B,C)080-14		CAP**4821A**		1.00		0.96		58PH*090-16	
CNPV*4821A**		1.00		0.96				CNPV*4821A**		0.99		0.96		58MV(B,C)080-14		CAP**4821A**		1.00		0.96		58PH*090-16	
CNPV*4821A**		1.00		0.96				CNPV*4821A**		0.99		0.96		58MV(B,C)080-14		CAP**4821A**		1.00		0.96		58PH*090-16	
CNPV*4821A**		1.00		0.96				CNPV*4821A**		0.99		0.96		58MV(B,C)080-14		CAP**4821A**		1.00		0.96		58PH*090-16	
CNPV*4821A**		1.00		0.96				CNPV*4821A**		0.99		0.96		58MV(B,C)080-14		CAP**4821A**		1.00		0.96		58PH*090-16	
CNPV*4821A**		1.00		0.96				CNPV*4821A**		0.99		0.96		58MV(B,C)080-14		CAP**4821A**		1.00		0.96		58PH*090-16	
CNPV*4821A**		1.00		0.96				CNPV*4821A**		0.99		0.96		58MV(B,C)080-14		CAP**4821A**		1.00		0.96		58PH*090-16	
CNPV*4821A**		1.00		0.96				CNPV*4821A**		0.99		0.96		58MV(B,C)080-14		CAP**4821A**		1.00		0.96		58PH*090-16	
CNPV*4821A**		1.00		0.96				CNPV*4821A**		0.99		0.96		58MV(B,C)080-14		CAP**4821A**		1.00		0.96		58PH*090-16	
CNPV*4821A**		1.00		0.96				CNPV*4821A**		0.99		0.96		58MV(B,C)080-14		CAP**4821A**		1.00		0.96		58PH*090-16	
CNPV																							

DETAILED COOLING CAPACITIES# CONTINUED

24ABB442A30 Outdoor Section With CAP**4821A* Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CSPH*4212A**	0.99	0.95	58PH*110-20
CSPH*4812A**	1.00	0.96	58PH*110-20
CAP**4224A**	0.99	0.97	58PH*135-20
CAP**4824A**	1.00	0.96	58PH*135-20
CNPH*4221A**	0.98	0.96	58PH*135-20
CNPH*4821A**	1.00	0.96	58PH*135-20
CNPV*4824A**	1.00	0.96	58PH*135-20
CSPH*4212A**	0.99	0.97	58PH*135-20
CSPH*4812A**	1.00	0.96	58PH*135-20

See notes on page 27

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*4821A**	0.98	0.95	58PH*090-16
CNPV*6024A**	1.00	0.96	58PH*090-16
CNPV*4821A**	0.98	0.95	58PH*090-16
CSPH*4812A**	0.98	0.95	58PH*090-16
CSPH*6012A**	1.00	0.96	58PH*090-16
CAP**4821A**	0.98	0.94	58PH*110-20
CAP**6021A**	0.99	0.93	58PH*110-20
CNPV*4821A**	0.98	0.94	58PH*110-20
CNPV*6024A**	1.00	0.94	58PH*110-20
CNPV*4821A**	0.98	0.94	58PH*110-20
CSPH*4812A**	0.98	0.94	58PH*110-20
CSPH*6012A**	1.00	0.94	58PH*110-20
CAP**4824A**	0.98	0.94	58PH*135-20
CAP**6024A**	1.00	0.96	58PH*135-20
CNPV*4821A**	0.98	0.94	58PH*135-20
CNPV*6024A**	1.00	0.96	58PH*135-20
CNPV*4824A**	0.98	0.94	58PH*135-20
CSPH*6012A**	1.00	0.96	58PH*135-20

COOLING	CAPACITY	POWER	FURNACE MODEL
INDOOR MODEL			
CSPH*4812A**	0.99	0.95	56CV(A,X)135-22
CSPH*6012A**	1.00	0.94	56CV(A,X)135-22
CAP**4824A**	0.98	0.94	56CV(A,X)155-22
CAP**6024A**	1.00	0.94	56CV(A,X)155-22
CNPH*4821A**	0.98	0.92	56CV(A,X)155-22
CNPH*6024A**	1.00	0.94	56CV(A,X)155-22
CNPV*4824A**	0.98	0.92	56CV(A,X)155-22
CNPV*6024A**	1.00	0.94	56CV(A,X)155-22
CSPH*4812A**	1.00	0.94	56CV(A,X)155-22
CAP**4821A**	0.97	0.97	56MV(B,C)080-20
CAP**6021A**	0.99	0.95	56MV(B,C)080-20
CNPH*4821A**	0.97	0.94	56MV(B,C)080-20
CNPH*6024A**	0.99	0.95	56MV(B,C)080-20
CNPV*4821A**	0.97	0.94	56MV(B,C)080-20
CSPH*4812A**	0.97	0.97	56MV(B,C)080-20
CSPH*6012A**	0.99	0.95	56MV(B,C)080-20
CAP**4821A**	0.97	0.94	56MV(B,C)100-20
CAP**6021A**	0.99	0.95	56MV(B,C)100-20
CNPH*4821A**	0.97	0.94	56MV(B,C)100-20
CNPV*6024A**	0.99	0.95	56MV(B,C)100-20
CSPH*4812A**	1.00	0.96	56MV(B,C)100-20
CSPH*6012A**	0.97	0.94	56MV(B,C)120-20
CAP**4824A**	0.99	0.95	56MV(B,C)120-20
CAP**6024A**	0.99	0.94	56MV(B,C)120-20
CNPH*4821A**	0.97	0.94	56MV(B,C)120-20
CNPH*6024A**	0.99	0.95	56MV(B,C)120-20
CNPV*4824A**	0.99	0.95	56MV(B,C)120-20
CSPH*4812A**	0.98	0.95	56MV(B,C)120-20
CAP**6012A**	1.00	0.96	56MV(B,C)120-20
CAP**4817A**	0.96	1.00	56PH*070-16
CNPH*4821A**	0.97	1.01	56PH*070-16
CNPH*6024A**	0.99	1.01	56PH*070-16
CSPH*4812A**	0.97	1.01	56PH*070-16
CSPH*6012A**	0.99	1.01	56PH*090-16
CAP**4821A**	0.98	0.95	56PH*090-16
CAP**6021A**	0.99	0.95	56PH*090-16

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DETAILED COOLING CAPACITIES# CONTINUED

EVAPORATOR AIR				CONDENSER ENTERING AIR TEMPERATURES °F (°C)															
		75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)		125 (51.7)							
CFM	EWB °F (°C)	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†							
24AB4B40A30 Outdoor Section With CAP**6024A* Indoor Section																			
1750	72 (22.2)	70.19	36.02	4.06	66.99	34.81	4.45	63.60	33.54	4.89	59.97	32.20	5.38	56.01	30.77	5.94	51.61	29.20	6.58
	67 (19.4)	64.08	44.07	3.98	61.18	42.86	4.37	58.10	41.60	4.81	54.79	40.25	5.31	51.19	38.81	5.87	47.20	37.25	6.52
	63 (17.2)††	59.73	42.73	3.93	57.03	41.53	4.32	54.17	40.26	4.76	51.10	38.92	5.26	47.76	37.49	5.82	44.07	35.93	6.47
	62 (16.7)	58.62	52.10	3.92	56.02	50.89	4.31	53.29	49.60	4.75	50.39	48.19	5.25	47.38	47.38	5.82	44.37	44.37	6.48
	57 (13.9)	56.77	56.77	3.90	54.70	54.70	4.30	52.48	52.48	4.74	50.07	50.07	5.24	47.40	47.40	5.82	44.37	44.37	6.48
2000	72 (22.2)	71.45	37.73	4.17	68.10	36.49	4.56	64.56	35.20	4.99	60.77	33.84	5.49	56.66	32.38	6.05	52.10	30.78	6.68
	67 (19.4)	65.28	46.82	4.09	62.22	45.58	4.48	59.00	44.29	4.92	55.56	42.93	5.41	51.83	41.46	5.98	47.70	39.85	6.62
	63 (17.2)††	60.86	45.31	4.04	58.03	44.08	4.43	55.04	42.78	4.86	51.85	41.43	5.36	48.39	39.97	5.93	44.57	38.36	6.57
	62 (16.7)	59.93	55.85	4.03	57.26	54.54	4.42	54.51	54.11	4.86	51.85	51.85	5.36	48.99	48.99	5.94	45.74	45.74	6.59
	57 (13.9)	59.08	59.08	4.02	56.84	56.84	4.41	54.45	54.45	4.86	51.86	51.86	5.36	48.99	48.99	5.94	45.75	45.75	6.59
2250	72 (22.2)	72.38	39.33	4.27	68.91	38.08	4.66	65.24	36.77	5.10	61.33	35.39	5.60	57.10	33.91	6.15	52.40	32.29	6.78
	67 (19.4)	66.14	49.42	4.20	62.98	48.17	4.58	59.66	46.86	5.02	56.11	45.48	5.52	52.28	43.98	6.08	48.06	42.31	6.72
	63 (17.2)††	61.70	47.75	4.14	58.77	46.50	4.53	55.69	45.19	4.97	52.40	43.81	5.46	48.84	42.30	6.03	44.94	40.83	6.67
	62 (16.7)	61.11	59.22	4.14	58.59	58.59	4.53	56.05	56.05	4.97	53.30	53.30	5.48	50.26	50.26	6.05	46.83	46.83	6.70
	57 (13.9)	60.97	60.97	4.14	58.60	58.60	4.53	56.06	56.06	4.97	53.30	53.30	5.48	50.26	50.26	6.05	46.84	46.84	6.70

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL		COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL			
			INDOOR MODEL	POWER				INDOOR MODEL	POWER		
*CAP**6024A**	1.00	1.00			CNPV*6024A**	0.98	0.97	58CV(A,X)135-22	0.94	0.93	58MV(B,C)120-20
CAP**6021A**	0.98	0.98			CSPH*6012A**	0.99	0.98	58CV(A,X)135-22	0.94	0.93	58MV(B,C)120-20
CNPV*6024A**	1.00	1.00			CAP**6024A**	0.98	0.97	58CV(A,X)155-22	0.94	0.93	58MV(B,C)120-20
CNPV*6024A**	1.00	1.00			CNPV*6024A**	0.98	0.97	58CV(A,X)155-22	0.97	0.97	58PH*090-16
CSPH*6012A**	1.00	1.00			CNPV*6024A**	0.98	0.97	58CV(A,X)155-22	0.97	0.97	58PH*090-16
FE4ANB006	1.00	0.98			CSPH*6012A**	0.99	0.98	58CV(A,X)155-22	0.97	0.97	58PH*090-16
FV4BNB006	1.00	0.98			CAP**6021A**	0.95	0.95	58MV(B,C)080-20	0.97	0.96	58PH*110-20
FX4CN(B,F)060	1.02	1.00			CNPV*6024A**	0.94	0.94	58MV(B,C)080-20	0.98	0.97	58PH*110-20
FY4ANB080	1.00	1.04			CSPH*6012A**	0.94	0.94	58MV(B,C)080-20	0.98	0.97	58PH*110-20
CNPV*6024A**	0.98	0.98		58CV(A,X)110-20	CAP**6021A**	0.95	0.93	58MV(B,C)100-20	0.98	0.98	58PH*135-20
CSPH*6012A**	0.98	0.98		58CV(A,X)110-20	CNPV*6024A**	0.95	0.93	58MV(B,C)100-20	0.98	0.98	58PH*135-20
CAP**6024A**	0.98	0.98		58CV(A,X)135-22	CSPH*6012A**	0.94	0.93	58MV(B,C)100-20	0.98	0.98	58PH*135-20
CNPV*6024A**	0.98	0.97		58CV(A,X)135-22	CAP**6024A**	0.94	0.93	58MV(B,C)120-20	0.98	0.98	58PH*135-20

* Tested combination.

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

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

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

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

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

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

EWB — Entering Wet Bulb

CONDENSER ONLY RATINGS

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °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)
24ABB418A30									
30 (-1.11)	TCG	16.80	15.70	14.70	13.80	12.80	11.80	10.80	9.70
	SDT	66.70	76.10	85.40	94.80	104.30	113.70	123.20	132.70
	KW	0.78	0.90	1.03	1.18	1.34	1.53	1.72	1.94
35 (1.67)	TCG	18.60	17.40	16.40	15.30	14.20	13.20	12.00	10.90
	SDT	67.90	77.10	86.40	95.80	105.10	114.50	124.00	133.40
	KW	0.77	0.89	1.02	1.17	1.34	1.52	1.72	1.94
40 (4.44)	TCG	20.50	19.30	18.10	16.90	15.80	14.60	13.40	12.10
	SDT	69.10	78.30	87.50	96.80	106.10	115.40	124.80	134.10
	KW	0.76	0.88	1.01	1.16	1.33	1.51	1.72	1.94
45 (7.22)	TCG	22.60	21.30	20.00	18.70	17.40	16.10	14.80	13.40
	SDT	70.40	79.50	88.60	97.80	107.00	116.30	125.60	134.90
	KW	0.74	0.86	1.00	1.15	1.32	1.50	1.71	1.94
50 (10.0)	TCG	24.80	23.40	22.00	20.60	19.20	17.80	16.30	14.80
	SDT	71.80	80.70	89.80	98.90	108.00	117.20	126.40	135.60
	KW	0.73	0.85	0.99	1.14	1.31	1.49	1.70	1.93
55 (12.78)	TCG	27.20	25.60	24.10	22.50	21.00	19.40	17.90	33.70
	SDT	73.20	82.10	91.00	100.10	109.10	118.20	127.30	130.60
	KW	0.72	0.84	0.98	1.13	1.30	1.48	1.69	1.77
24ABB424A30									
30 (-1.11)	TCG	20.90	19.70	18.60	17.40	16.20	15.00	13.70	12.40
	SDT	66.60	76.10	85.60	95.10	104.70	114.20	123.80	133.40
	KW	0.99	1.14	1.30	1.48	1.68	1.90	2.14	2.40
35 (1.67)	TCG	23.00	21.80	20.60	19.30	18.00	16.70	15.30	13.80
	SDT	67.70	77.10	86.60	96.00	105.50	115.00	124.60	134.10
	KW	1.00	1.14	1.30	1.48	1.68	1.90	2.15	2.41
40 (4.44)	TCG	25.40	24.00	22.70	21.30	19.90	18.50	17.00	15.40
	SDT	68.80	78.20	87.60	97.00	106.40	115.80	125.30	134.80
	KW	1.00	1.14	1.30	1.48	1.69	1.91	2.15	2.42
45 (7.22)	TCG	27.80	26.40	24.90	23.50	22.00	20.40	18.80	17.10
	SDT	70.00	79.30	88.60	98.00	107.30	116.70	126.10	135.60
	KW	1.00	1.14	1.31	1.49	1.69	1.91	2.15	2.42
50 (10.0)	TCG	30.50	29.00	27.40	25.80	24.20	22.50	20.80	18.90
	SDT	71.30	80.50	89.80	99.00	108.30	117.60	127.00	136.30
	KW	1.00	1.15	1.31	1.49	1.69	1.91	2.16	2.43
55 (12.78)	TCG	33.40	31.70	30.00	28.30	26.50	24.70	22.90	20.90
	SDT	72.60	81.80	90.90	100.10	109.30	118.60	127.80	137.10
	KW	1.01	1.15	1.31	1.49	1.69	1.92	2.16	2.43
24ABB430A30									
30 (-1.11)	TCG	27.40	25.90	24.50	22.90	21.30	19.70	18.00	16.20
	SDT	68.50	77.80	87.20	96.60	106.00	115.40	124.90	134.30
	KW	1.25	1.43	1.63	1.85	2.09	2.35	2.63	2.93
35 (1.67)	TCG	30.20	28.60	27.00	25.30	23.60	21.90	20.00	18.00
	SDT	69.70	78.90	88.30	97.60	106.90	116.30	125.70	135.00
	KW	1.26	1.43	1.63	1.85	2.10	2.36	2.65	2.95
40 (4.44)	TCG	33.10	31.40	29.70	27.90	26.00	24.10	22.20	20.10
	SDT	70.90	80.10	89.40	98.60	107.90	117.20	126.50	135.80
	KW	1.26	1.44	1.64	1.86	2.10	2.37	2.66	2.97
45 (7.22)	TCG	36.20	34.40	32.50	30.60	28.60	26.50	24.40	22.10
	SDT	72.20	81.30	90.50	99.70	108.90	118.20	127.40	136.60
	KW	1.27	1.44	1.64	1.86	2.11	2.38	2.67	2.98
50 (10.0)	TCG	39.60	37.60	35.50	33.40	31.20	29.00	26.70	24.20
	SDT	73.60	82.60	91.70	100.90	110.00	119.20	128.30	137.40
	KW	1.27	1.45	1.65	1.87	2.12	2.39	2.68	3.00
55 (12.78)	TCG	43.00	40.80	38.60	36.30	33.90	31.50	29.00	26.40
	SDT	75.00	84.00	93.00	102.00	111.10	120.20	129.20	138.20
	KW	1.28	1.46	1.66	1.88	2.12	2.39	2.69	3.00

See notes on page 30

CONDENSER ONLY RATINGS CONTINUED

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °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)
24ABB436A30									
30 (-1.11)	TCG	33.70	31.90	30.00	28.00	26.00	23.90	21.70	19.40
	SDT	72.00	81.70	91.30	101.00	110.70	120.50	130.40	140.60
	KW	1.50	1.71	1.94	2.20	2.48	2.79	3.11	3.46
35 (1.67)	TCG	37.10	35.20	33.10	31.10	28.90	26.70	24.30	21.80
	SDT	73.40	83.00	92.60	102.20	111.90	121.70	131.60	141.70
	KW	1.51	1.72	1.96	2.22	2.50	2.81	3.15	3.52
40 (4.44)	TCG	40.90	38.70	36.60	34.30	32.00	29.60	27.10	24.40
	SDT	74.60	84.30	93.90	103.50	113.10	122.90	132.70	142.80
	KW	1.52	1.74	1.97	2.23	2.52	2.84	3.19	3.56
45 (7.22)	TCG	44.80	42.50	40.20	37.80	35.40	32.80	30.10	27.20
	SDT	76.00	85.70	95.30	104.80	114.40	124.00	133.80	143.80
	KW	1.53	1.75	1.99	2.25	2.54	2.86	3.22	3.60
50 (10.0)	TCG	49.10	46.70	44.20	41.60	39.00	36.20	33.30	30.20
	SDT	77.30	87.00	96.70	106.10	115.60	125.20	134.90	144.80
	KW	1.54	1.76	2.00	2.27	2.56	2.88	3.24	3.63
55 (12.78)	TCG	53.70	51.10	48.40	45.60	42.80	39.80	36.70	33.40
	SDT	78.60	88.40	98.00	107.50	116.90	126.50	136.00	145.70
	KW	1.55	1.77	2.02	2.28	2.58	2.90	3.26	3.66
24ABB442A30									
30 (-1.11)	TCG	37.40	35.70	33.80	31.80	29.70	27.40	25.00	22.50
	SDT	68.10	77.60	87.00	96.40	105.80	115.20	124.60	133.90
	KW	1.78	1.96	2.18	2.43	2.72	3.06	3.44	3.86
35 (1.67)	TCG	41.30	39.40	37.40	35.10	32.80	30.30	27.70	25.00
	SDT	69.40	78.80	88.10	97.50	106.90	116.20	125.40	134.70
	KW	1.79	1.97	2.19	2.44	2.74	3.07	3.45	3.87
40 (4.44)	TCG	45.60	43.40	41.10	38.70	36.10	33.40	30.60	27.60
	SDT	70.80	80.10	89.40	98.60	107.90	117.20	126.40	135.50
	KW	1.80	1.98	2.20	2.46	2.75	3.09	3.47	3.89
45 (7.22)	TCG	50.10	47.70	45.20	42.50	39.70	36.70	33.60	30.30
	SDT	72.30	81.40	90.60	99.80	109.00	118.20	127.30	136.30
	KW	1.81	2.00	2.22	2.48	2.78	3.11	3.49	3.91
50 (10.0)	TCG	55.00	52.30	49.40	46.50	43.40	40.10	36.70	33.10
	SDT	73.80	82.90	92.00	101.10	110.20	119.30	128.30	137.20
	KW	1.82	2.01	2.24	2.50	2.80	3.14	3.51	3.93
55 (12.78)	TCG	60.10	57.10	53.90	50.70	47.30	43.70	40.00	36.10
	SDT	75.40	84.40	93.40	102.40	111.40	120.40	129.30	138.10
	KW	1.82	2.03	2.26	2.52	2.83	3.16	3.54	3.96
24ABB448A30									
30 (-1.11)	TCG	45.00	42.40	39.90	37.40	34.90	32.30	29.50	26.40
	SDT	70.30	79.50	88.90	98.20	107.60	116.90	126.20	135.40
	KW	2.04	2.41	2.75	3.08	3.44	3.84	4.32	4.89
35 (1.67)	TCG	49.80	46.80	44.00	41.20	38.50	35.60	32.60	29.30
	SDT	71.70	80.90	90.10	99.40	108.70	118.00	127.20	136.30
	KW	1.99	2.39	2.75	3.10	3.47	3.87	4.34	4.90
40 (4.44)	TCG	54.90	51.50	48.40	45.30	42.20	39.10	35.80	32.30
	SDT	73.20	82.40	91.50	100.70	109.90	119.00	128.20	137.20
	KW	1.93	2.36	2.75	3.12	3.50	3.91	4.38	4.92
45 (7.22)	TCG	60.40	56.60	53.00	49.60	46.20	42.80	39.30	35.50
	SDT	74.80	83.90	92.90	102.00	111.10	120.20	129.20	138.10
	KW	1.86	2.33	2.75	3.14	3.53	3.95	4.41	4.94
50 (10.0)	TCG	66.20	62.00	58.00	54.20	50.50	46.70	42.90	38.70
	SDT	76.40	85.50	94.50	103.40	112.40	121.40	130.30	139.10
	KW	1.78	2.28	2.73	3.15	3.56	3.99	4.45	4.98
55 (12.78)	TCG	72.40	67.70	63.20	59.10	55.00	50.90	46.70	42.10
	SDT	78.20	87.10	96.10	104.90	113.80	122.60	131.40	140.10
	KW	1.68	2.23	2.71	3.16	3.59	4.02	4.49	5.01

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See notes on page 30

CONDENSER ONLY RATINGS CONTINUED

SST ° F (° C)		CONDENSER ENTERING AIR TEMPERATURES ° 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)
24ABB460A30									
30 (-1.11)	TCG	54.80	52.00	49.20	46.20	43.10	39.90	36.40	32.70
	SDT	72.60	81.60	90.60	99.70	108.80	117.90	126.90	135.90
	KW	2.54	2.85	3.18	3.55	3.97	4.45	5.01	5.67
35 (1.67)	TCG	60.40	57.30	54.20	50.90	47.60	44.00	40.20	36.20
	SDT	74.40	83.20	92.10	101.10	110.10	119.10	128.00	136.90
	KW	2.58	2.89	3.22	3.59	4.01	4.50	5.06	5.70
40 (4.44)	TCG	66.40	63.00	59.50	56.00	52.30	48.40	44.30	39.80
	SDT	76.20	84.90	93.80	102.60	111.50	120.40	129.20	138.00
	KW	2.63	2.94	3.28	3.65	4.07	4.55	5.11	5.74
45 (7.22)	TCG	72.90	69.10	65.20	61.30	57.30	53.00	48.50	43.60
	SDT	78.20	86.80	95.50	104.20	113.00	121.70	130.40	139.10
	KW	2.69	3.00	3.34	3.71	4.13	4.61	5.16	5.79
50 (10.0)	TCG	79.70	75.50	71.30	67.00	62.50	57.90	52.90	47.60
	SDT	80.30	88.70	97.20	105.90	114.50	123.10	131.70	140.20
	KW	2.75	3.07	3.41	3.78	4.20	4.68	5.22	5.84
55 (12.78)	TCG	87.00	82.40	77.70	73.00	68.10	63.00	57.50	51.70
	SDT	82.50	90.80	99.20	107.60	116.10	124.60	133.10	141.40
	KW	2.83	3.15	3.49	3.86	4.28	4.75	5.29	5.90

* 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)

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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 at 150 psig and pressure tested at 450 psig.
- Unit constructed in ISO9001 approved facility.

Delivery, Storage, and Handling

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

Warranty (for inclusion by specifying engineer)

- U.S. and Canada only.

PRODUCTS

Equipment

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

Unit Cabinet

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

AIR-COOLED, SPLIT-SYSTEM AIR CONDITIONER

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1-1/2 TO 5 NOMINAL TONS

Fans

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

Compressor

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

Condenser Coil

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

Refrigeration Components

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

Operating Characteristics

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

Electrical Requirements

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

Special Features

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

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