

**24APA5
Performance™ 15 Series Air Conditioner
with Puron® Refrigerant
Sizes 18 to 60
1 – 1/2 to 5 Nominal Tons**



Turn to the Experts.™

Product Data



Performance
SERIES

Carrier's Air Conditioners with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 24APA5 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.

INDUSTRY LEADING FEATURES / BENEFITS

Energy Efficiency

- 13.5 - 16.5 SEER/11.7-13.5 EER

New Aesthetic Design

- WeatherArmor Ultra™
 - Baked on powder paint
 - Steel louver coil guard
 - Color matched cabinet screws

Extra Quiet Operation

- Silencer System II™ for sound as low as 66 dBA
 - Quiet mount split post compressor grommets
 - Exclusive Silencer Top design
 - Forward-swept condenser fan blade
 - 8-pole PSC ball bearing condenser fan motor
 - Compressor sound hood
 - Laminated compressor mounting plate

Reliability, Quality and Toughness

- Scroll compressor
- Field-installed 16 cu. in. filter drier
- Back-seating service valves
- High pressure switch
- Loss of charge switch
- Internal pressure relief valve
- Internal thermal overload

Controls and Diagnostics

- Infinity™ control compatible or thermostat
- Utility Interface Connection
- Up to 14 point diagnostic capability

Applications

- Longline - up to 250 ft. total equivalent length
- Low ambient (down to 0°F) with complete Infinity™ System

Limited Warranty

- 10-year limited warranty on compressor
- Standard 5-year limited warranty on all parts

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	P	A	5	3	6	A	0	0	3	0
Product Series	Product Family	Tier	Major Series	SEER	Cooling Capacity	Variations	Open	Open	Voltage	Minor Series		
24=AC	A=RES AC	P=Performance	A=Puron	5=15 SEER		A=Standard	0=Not Defined	0=Not Defined	3=208/230-1	0, 1, 2...		

24APAS



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 Product Data for system combinations that meet Energy Star guidelines.

STANDARD FEATURES

Feature	18	24	30	36	42	48	60
Puron® Refrigerant	X	X	X	X	X	X	X
15 SEER	X	X	X	X	X	X	X
Infinity Control Compatible	X	X	X	X	X	X	X
Scroll Compressor	X	X	X	X	X	X	X
Silencer System II™ Design	X	X	X	X	X	X	X
WeatherArmor Ultra™ Cabinet	X	X	X	X	X	X	X
Field Installed 16 cu. in. Filter Drier	X	X	X	X	X	X	X
Back Seating Service Valves	X	X	X	X	X	X	X
High Pressure Switch	X	X	X	X	X	X	X
Low Pressure Switch	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 to 0° F w/Infinity™ Complete System	X	X	X	X	X	X	X
Up to 14 Diagnostic Check – Points	X	X	X	X	X	X	X
Utility Interface Connections	X	X	X	X	X	X	X

PHYSICAL DATA

UNIT SIZE SERIES	18	24	30	36	42	48	60
Operating Weight (lb)	197	198	258	259	320	326	330
Shipping Weight (lb)	228	229	298	299	355	361	365
Compressor Type	Scroll						
REFRIGERANT	Puron® (R-410A)						
Control	TXV (Puron® Hard Shutoff)						
Charge (lb)	5.8	6.0	11.0	10.5	11.6	11.7	13.5
COND FAN	Forward Swept, Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	2140	2140	2595	3265	3265	3673	3673
Motor HP	1/12	1/12	1/10	1/6	1/6	1/4	1/4
Motor RPM	800	800	800	800	800	800	800
COND COIL							
Face Area (Sq ft)	16.08	16.08	18.30	18.30	24.40	24.40	24.40
Fins per In.	25	25	20	20	20	20	20
Rows	1	1	2	2	2	2	2
Circuits	4	4	6	6	8	8	8
VALVE CONNECT. (In. ID)							
Vapor	5/8	5/8	3/4	3/4	7/8	7/8	7/8
Liquid	3/8"						
REFRIGERANT TUBES* (In. OD)							
Vapor (0-80 Ft Tube Length)	5/8	5/8	3/4	3/4	7/8	7/8	1-1/8
Liquid (0-80 Ft Tube Length)	3/8"						

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

24APAS

VAPOR LINE SIZING AND COOLING CAPACITY LOSS PURON 1-STAGE AIR CONDITIONER APPLICATIONS

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

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

Unit Nominal Size (Btuh)	Acceptable Liquid Line Diameter OD (in.)	Acceptable Vapor Line Diameters (In. O.D.)	Cooling Capacity Loss (%) Total Equivalent Line Length (ft)										
			Standard Application			Long Line Application Requires Accessories							
			25	50	80	80+	100	125	150	175	200	225	250
18,000 1-Stage Puron AC	3/8	1/2	1	2	3	3	4	6	7	8	9	10	12
		5/8	0	0	1	1	1	1	2	2	3	3	3
24,000 1-Stage Puron AC	3/8	5/8	0	1	1	1	2	3	3	4	4	5	6
		3/4	0	0	0	0	0	1	1	1	1	1	2
		7/8	0	0	0	0	0	0	0	0	0	0	1
30,000 1-Stage Puron AC	3/8	5/8	1	2	3	3	3	4	5	6	7	8	9
		3/4	0	0	1	1	1	1	2	2	2	3	3
		7/8	0	0	0	0	0	1	1	1	1	1	1
36,000 1-Stage Puron AC	3/8	5/8	1	2	4	4	5	6	7	9	10	11	13
		3/4	0	0	1	1	1	2	2	3	3	4	4
		7/8	0	0	0	0	0	1	1	1	1	2	2
42,000 1-Stage Puron AC	3/8	3/4	0	1	2	2	2	3	4	4	5	6	6
		7/8	0	0	1	1	1	1	2	2	2	3	3
		1-1/8	0	0	0	0	0	0	0	0	0	0	1
48,000 1-Stage Puron AC	3/8	3/4	0	1	2	2	3	4	5	5	6	7	8
		7/8	0	0	1	1	1	2	2	2	3	3	4
		1-1/8	0	0	0	0	0	0	0	0	1	1	1
60,000 1-Stage Puron AC	3/8	3/4	1	2	4	4	5	6	7	9	10	11	12
		7/8	0	1	2	2	2	3	4	4	5	5	6
		1-1/8	0	0	0	0	1	1	1	1	1	1	2

Standard Length = 80 ft. or less total equivalent length

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

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

ACCESSORIES

KIT NUMBER	KIT NAME	18-30	24-30	30-30	36-30	42-30	48-30	60-30
KAACH1201AAA	CRANKCASE HTR					X	X	X
KAACH1401AAA	CRANKCASE HTR	X	X	X	X			
KSACY0101AAA	CYCLE PROTECTOR	S	S	S	S	S	S	S
KAFT0101AAA	FREEZE THERMOSTAT	X	X	X	X	X	X	X
KAHS1701AAA	HARD START (CAP/RELAY)	X	X	X	X	X	X	X
KSALA0301410	LOW AMBIENT PRESSURE SWITCH	X	X	X	X	X	X	X
KAACS0201PTC	PTC START ASSIST	X	X	X	X	X	X	X
KAALS0201LLS	SOLENOID VALVE	X	X	X	X	X	X	X
KSASF0101AAA	SUPPORT FEET	X	X	X	X	X	X	X
KAATD0101TDR	TIME DELAY	X	X	X	X	X	X	X
KSATX0201PUR	TXV (HSO)	X	X	X				
KSATX0301PUR	TXV (HSO)				X	X		
KSATX0401PUR	TXV (HSO)						X	
KSATX0501PUR	TXV (HSO)							X
KAAWS0101AAA	WINTER START	X	X	X	X	X	X	X

X = Accessory, S = Standard

24APA5

THERMOSTAT / SUBBASE PKG.	DESCRIPTION
TSTATCCPRH01-B	Thermostat 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

ACCESSORY USAGE GUIDELINE

ACCESSORY	REQUIRED FOR LOW-AMBIENT COOLING APPLICATIONS (0°F to 55° F)	REQUIRED FOR LONG LINE APPLICATIONS* (Over 80 Ft.)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles)
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Accumulator	No	No	No
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Support Feet	Recommended	No	Recommended
Liquid Line Solenoid Valve or Hard Shutoff TXV	No	See Longline Application Guideline	No
Winter Start Control	Yes	No	No

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

Accessory Description and Usage (Listed Alphabetically)

1. Compressor Sound Hood

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

Usage Guideline:

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

Suggested when unit is installed between two houses less than 10 ft. apart.

2. Compressor Start Assist - Capacitor and Relay

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

Usage Guideline:

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

Long line

Low ambient cooling

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

3. Compressor Start Assist — PTC Type

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

Usage Guideline:

Suggested in installations with marginal power supply.

4. Crankcase Heater

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

Usage Guideline:

Required in low ambient cooling applications.

Required in long line applications.

Suggested in all commercial applications.

5. Cycle Protector

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

6. Evaporator Freeze Thermostat

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

Usage Guideline:

Required when low ambient kit has been added.

7. Low-Ambient Pressure Switch Kit

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

Usage Guideline:

A 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.

8. Support Feet

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

Usage Guideline:

Suggested in the following applications:

Coastal installations.

Windy areas or where debris is normally circulating.

Rooftop installations.

For improved sound ratings.

24APAS

Accessory Description and Usage (Listed Alphabetically) (Continued)

10. 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:

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

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

Required for use on all zoning systems.

11. Time-Delay Relay

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

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

Usage Guideline:

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

12. 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.

24APAS

ELECTRICAL DATA

UNIT SIZE	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE‡	MIN WIRE SIZE†	MAX LENGTH (FT)‡	MAX LENGTH (FT)‡	MAX FUSE** or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA		60° C	75° C	60° C	75° C	
18	208/230/1	253	187	48.0	9.0	0.5	11.7	14	14	67	64	20
24				58.3	13.5	0.7	17.5	14	14	45	43	25
30				73.0	14.1	0.7	18.3	14	14	43	41	25
36				79.0	16.7	1.1	21.9	12	12	57	54	35
42				112.0	17.9	1.3	23.7	10	10	84	80	40
48				117.0	21.8	1.3	28.5	10	10	70	67	45
60				134.0	26.4	1.3	34.3	8	8	91	86	50

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

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

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

** Time-Delay fuse.

FLA – Full Load Amps

LRA – Locked Rotor Amps

MCA – Minimum Circuit Amps

RLA – Rated Load Amps

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

All motors/compressors contain internal overload protection.

A-WEIGHTED SOUND LEVEL (dBA)

UNIT SIZE	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18	67	51.0	58.0	60.5	60.0	59.5	52.5	47.0
24	66	55.0	55.5	59.5	61.0	59.0	54.5	47.0
30	68	56.0	58.5	63.0	61.0	60.0	52.5	45.0
36	70	62.5	62.0	64.5	63.0	60.5	55.5	49.0
42	70	61.5	60.5	62.0	63.5	61.0	55.5	51.0
48	71	61.5	62.5	63.0	64.0	62.0	57.5	51.5
60	73	59.5	63.0	64.0	67.0	63.0	58.0	53.5

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE – SERIES	REQUIRED SUBCOOLING (F)
18	9
24	9
30	13
36	8
42	10
48	8
60	14

DIMENSIONS

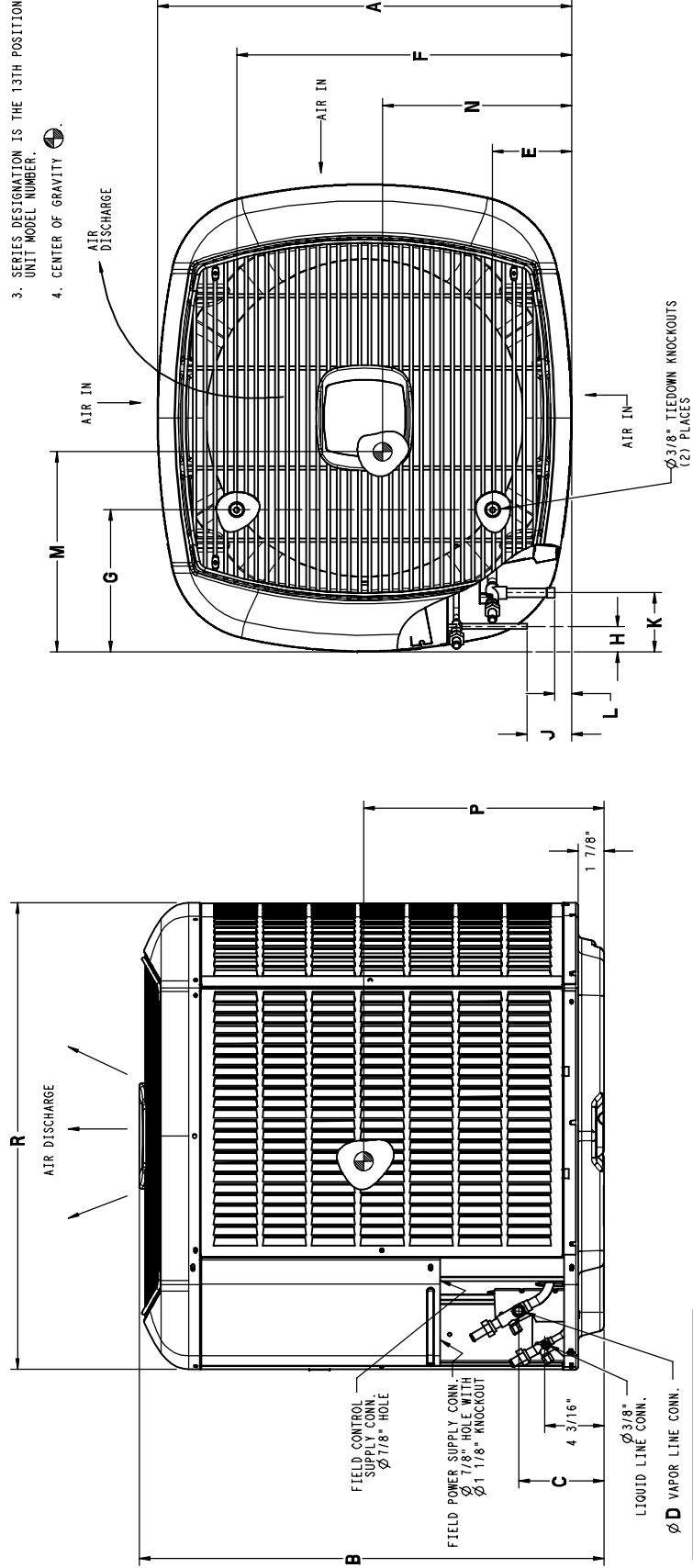
UNIT	SERIES	ELECTRICAL CHARACTERISTICS	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	OPERATING WEIGHT	SHIPPING WEIGHT	SHIPPING DIMENSIONS (L x W x H)
24AP4518	0	X 0 0	29 1/4"	39 3/4"	6 1/16"	5/8"	5 5/8"	23 3/4"	10 1/16"	1 3/4"	3 3/16"	4 3/16"	1 1/8"	13"	16 1/2"	18 1/2"	33"	197#	228#	34 1/8" X 30 1/2" X 44 1/4"
24AP4524	0	X 0 0	29 1/4"	39 3/4"	6 1/16"	5/8"	5 5/8"	23 3/4"	10 1/16"	1 3/4"	3 3/16"	4 3/16"	1 1/8"	15 3/8"	15"	17 1/2"	33"	198#	229#	34 1/8" X 30 1/2" X 44 1/4"
24AP4530	0	X 0 0	35 1/2"	37 1/8"	6 5/16"	3/4"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	3 3/16"	4"	1 1/8"	17 3/4"	19 1/4"	18"	40"	258#	298#	41 1/8" X 36 5/8" X 40 7/8"
24AP4536	0	X 0 0	35 1/2"	37 1/8"	6 5/16"	3/4"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	3 3/16"	4"	1 1/8"	17 3/4"	16"	16 3/4"	40"	259#	299#	41 1/8" X 36 5/8" X 40 7/8"
24AP4542	0	X 0 0	35 1/2"	47 5/16"	6 1/4"	7/8"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	3 3/16"	4 1/16"	1 1/8"	18 1/2"	18 3/4"	20"	40"	320#	355#	41 1/8" X 36 5/8" X 51 1/16"
24AP4548	0	X 0 0	35 1/2"	47 5/16"	6 1/4"	7/8"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	3 3/16"	4 1/16"	1 1/8"	18 1/2"	18 3/4"	20"	40"	326#	361#	41 1/8" X 36 5/8" X 51 1/16"
24AP4560	0	X 0 0	35 1/2"	47 5/16"	6 1/4"	7/8"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	3 3/16"	4 1/16"	1 1/8"	15 3/4"	21"	21 1/4"	40"	330#	365#	41 1/8" X 36 5/8" X 51 1/16"

X = YES
O = NO

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

NOTES:

- 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.
- MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 55°F, MAX. 125°F.
- SERIES DESIGNATION IS THE 13TH POSITION OF THE UNIT MODEL NUMBER.
- CENTER OF GRAVITY



UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18, 24	29 1/2" X 33"
30, 36, 42, 48, 60	36 1/2" X 40"

COMBINATION RATINGS

24APAS

Unit Size - Series	Indoor Model	Total Cap. BTUH	Factory Supplied Enhancement	SEER		EER	Furnace Model
				Standard Rating	TDR†		
18-30	*CAP**2417A**	18,500	TDR&TXV	16.00		13.20	58MVB060-14
	CAP**1814A**	17,800	TDR&TXV	15.50		13.00	58CV(A,X)070-12
	CAP**1814A**	18,000	TXV		14.00	12.00	
	CAP**2414A**	18,100	TDR&TXV	15.50		13.00	58CV(A,X)070-12
	CAP**2414A**	18,300	TXV		14.00	12.00	
	CAP**2417A**	18,200	TDR&TXV	16.00		13.20	58CV(A,X)090-16
	CAP**2417A**	18,300	TXV		14.00	12.00	
	CAP**3014A**	18,200	TDR&TXV	16.00		13.20	58CV(A,X)070-12
	CAP**3014A**	18,300	TDR&TXV	16.00		13.20	58CV(A,X)090-16
	CAP**3014A**	18,300	TDR&TXV	16.00		13.20	58MVB060-14
	CAP**3014A**	18,500	TXV		14.50	12.20	
	CAP**3017A**	18,200	TDR&TXV	16.00		13.20	58CV(A,X)070-12
	CAP**3017A**	18,300	TDR&TXV	16.00		13.20	58CV(A,X)090-16
	CAP**3017A**	18,300	TDR&TXV	16.00		13.20	58MVB060-14
	CAP**3017A**	18,300	TDR&TXV	16.00		13.20	58MVB080-14
	CAP**3017A**	18,500	TXV		14.50	12.20	
	CNPF*2418A**	18,300	TXV		14.00	12.00	
	CNPH*2417A**	18,100	TDR&TXV	15.50		13.00	58CV(A,X)070-12
	CNPH*2417A**	18,200	TDR&TXV	15.50		13.00	58CV(A,X)090-16
	CNPH*2417A**	18,100	TDR&TXV	15.50		13.00	58MVB040-14
	CNPH*2417A**	18,100	TDR&TXV	15.50		13.00	58MVB060-14
	CNPH*2417A**	18,100	TDR&TXV	15.50		13.00	58MVB080-14
	CNPH*2417A**	18,300	TXV		14.00	12.00	
	CNPH*3017A**	18,200	TDR&TXV	16.00		13.20	58CV(A,X)070-12
	CNPH*3017A**	18,300	TDR&TXV	16.00		13.20	58CV(A,X)090-16
	CNPH*3017A**	18,300	TDR&TXV	16.00		13.20	58MVB040-14
	CNPH*3017A**	18,300	TDR&TXV	16.00		13.20	58MVB060-14
	CNPH*3017A**	18,300	TDR&TXV	16.00		13.20	58MVB080-14
	CNPH*3017A**	18,500	TXV		14.50	12.20	
	CNPV*1814A**	18,000	TDR&TXV	15.50		13.00	58CV(A,X)070-12
	CNPV*1814A**	18,200	TXV		14.00	12.00	
	CNPV*2414A**	18,100	TDR&TXV	15.50		13.00	58CV(A,X)070-12
	CNPV*2414A**	18,300	TXV		14.00	12.00	
	CNPV*2417A**	18,200	TDR&TXV	15.50		13.00	58CV(A,X)090-16
	CNPV*2417A**	18,100	TDR&TXV	15.50		13.00	58MVB060-14
	CNPV*2417A**	18,300	TXV		14.00	12.00	
	CNPV*3014A**	18,200	TDR&TXV	16.00		13.20	58CV(A,X)070-12
	CNPV*3014A**	18,300	TDR&TXV	16.00		13.20	58CV(A,X)090-16
	CNPV*3014A**	18,300	TDR&TXV	16.00		13.20	58MVB060-14
	CNPV*3014A**	18,500	TXV		14.50	12.20	
	CNPV*3017A**	18,200	TDR&TXV	16.00		13.20	58CV(A,X)070-12
	CNPV*3017A**	18,300	TDR&TXV	16.00		13.20	58CV(A,X)090-16
	CNPV*3017A**	18,300	TDR&TXV	16.00		13.20	58MVB060-14
	CNPV*3017A**	18,300	TDR&TXV	16.00		13.20	58MVB080-14
	CNPV*3017A**	18,500	TXV		14.50	12.20	
	CSPH*2412A**	18,200	TDR&TXV	16.00		13.20	58CV(A,X)070-12
	CSPH*2412A**	18,300	TDR&TXV	16.00		13.20	58CV(A,X)090-16
	CSPH*2412A**	18,300	TDR&TXV	16.00		13.20	58MVB040-14
	CSPH*2412A**	18,300	TDR&TXV	16.00		13.20	58MVB060-14
	CSPH*2412A**	18,300	TDR&TXV	16.00		13.20	58MVB080-14
CSPH*2412A**	18,500	TXV		14.50	12.20		
CSPH*3012A**	18,300	TDR&TXV	16.00		13.20	58CV(A,X)070-12	
CSPH*3012A**	18,400	TDR&TXV	16.00		13.20	58CV(A,X)090-16	
CSPH*3012A**	18,300	TDR&TXV	16.00		13.20	58MVB040-14	
CSPH*3012A**	18,300	TDR&TXV	16.00		13.20	58MVB060-14	
CSPH*3012A**	18,400	TDR&TXV	16.00		13.20	58MVB080-14	
CSPH*3012A**	18,500	TXV		14.50	12.20		
FE4ANF002	18,400	TDR&TXV	16.00		13.50		
FF1ENP018	18,000	TDR&TXV	14.00		12.00		
FF1ENP024	18,300	TDR&TXV	14.00		12.00		
FF1ENP030	18,200	TDR&TXV	13.50		11.70		
FV4BNF002	18,400	TDR&TXV	16.00		13.50		
FX4CNF018	18,400	TDR&TXV	15.50		13.00		
FX4CNF024	18,500	TDR&TXV	15.50		13.00		

See notes on pg. 20

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Total Cap. BTUH	Factory Supplied Enhancement	SEER		EER	Furnace Model
				Standard Rating	TDR†		
18–30	FX4CNF030	18,500	TDR&TXV	15.00		13.00	
	FY4ANF018	18,000	TDR&TXV	14.00		12.00	
	FY4ANF024	18,100	TDR&TXV	14.00		12.00	
	FY4ANF030	18,300	TDR&TXV	14.50		12.30	
24–30	*CAP**3017A**	23,800	TDR&TXV	15.50		13.00	58MVP060–14
	CAP**2414A**	23,000	TDR&TXV	15.50		13.00	58CV(A,X)070–12
	CAP**2414A**	23,200	TXV		14.00	11.95	
	CAP**2417A**	23,200	TDR&TXV	15.50		13.00	58CV(A,X)090–16
	CAP**2417A**	23,000	TDR&TXV	15.50		13.00	58MVB060–14
	CAP**2417A**	23,200	TXV		14.00	11.95	
	CAP**3014A**	23,200	TDR&TXV	15.50		13.00	58CV(A,X)070–12
	CAP**3014A**	23,400	TXV		14.00	12.00	
	CAP**3017A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)090–16
	CAP**3017A**	23,400	TXV		14.00	12.00	
	CAP**3614A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)070–12
	CAP**3614A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)090–16
	CAP**3614A**	23,400	TDR&TXV	15.50		13.00	58MVB060–14
	CAP**3614A**	23,600	TXV		14.00	12.00	
	CAP**3617A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)070–12
	CAP**3617A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)090–16
	CAP**3617A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)110–20
	CAP**3617A**	23,400	TDR&TXV	15.50		13.00	58MVB060–14
	CAP**3617A**	23,400	TDR&TXV	15.50		13.00	58MVB080–14
	CAP**3617A**	23,400	TDR&TXV	15.50		13.00	58MVB080–20
	CAP**3617A**	23,400	TDR&TXV	15.50		13.00	58MVB100–20
	CAP**3617A**	23,600	TXV		14.00	12.00	
	CAP**3621A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)090–16
	CAP**3621A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)110–20
	CAP**3621A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)135–22
	CAP**3621A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)155–22
	CAP**3621A**	23,400	TDR&TXV	15.50		13.00	58MVB040–14
	CAP**3621A**	23,400	TDR&TXV	15.50		13.00	58MVB060–14
	CAP**3621A**	23,400	TDR&TXV	15.50		13.00	58MVB080–14
	CAP**3621A**	23,400	TDR&TXV	15.50		13.00	58MVB080–20
	CAP**3621A**	23,400	TDR&TXV	15.50		13.00	58MVB100–20
	CAP**3621A**	23,400	TDR&TXV	15.50		13.00	58MVB120–20
	CAP**3621A**	23,600	TXV		14.00	12.00	
	CNPF*2418A**	23,200	TXV		14.00	12.00	
	CNPF*3618A**	23,600	TXV		14.00	12.00	
	CNPH*2417A**	23,000	TDR&TXV	15.00		13.00	58CV(A,X)070–12
	CNPH*2417A**	23,000	TDR&TXV	15.50		13.00	58CV(A,X)090–16
	CNPH*2417A**	23,000	TDR&TXV	15.00		13.00	58CV(A,X)110–20
	CNPH*2417A**	23,000	TDR&TXV	15.50		13.00	58CV(A,X)135–22
	CNPH*2417A**	23,200	TDR&TXV	15.50		13.00	58CV(A,X)155–22
CNPH*2417A**	23,000	TDR&TXV	15.00		13.00	58MVB040–14	
CNPH*2417A**	23,000	TDR&TXV	15.50		13.00	58MVB060–14	
CNPH*2417A**	23,000	TDR&TXV	15.00		13.00	58MVB080–14	
CNPH*2417A**	23,000	TDR&TXV	15.00		13.00	58MVB080–20	
CNPH*2417A**	23,200	TDR&TXV	15.50		13.00	58MVB100–20	
CNPH*2417A**	23,000	TDR&TXV	15.00		13.00	58MVB120–20	
CNPH*2417A**	23,200	TXV		14.00	12.00		
CNPH*3017A**	23,200	TDR&TXV	15.50		13.00	58CV(A,X)070–12	
CNPH*3017A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)090–16	
CNPH*3017A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)110–20	
CNPH*3017A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)135–22	
CNPH*3017A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)155–22	
CNPH*3017A**	23,400	TDR&TXV	15.50		13.00	58MVB040–14	
CNPH*3017A**	23,400	TDR&TXV	15.50		13.00	58MVB060–14	
CNPH*3017A**	23,400	TDR&TXV	15.50		13.00	58MVB080–14	
CNPH*3017A**	23,400	TDR&TXV	15.50		13.00	58MVB080–20	
CNPH*3017A**	23,400	TDR&TXV	15.50		13.00	58MVB100–20	
CNPH*3017A**	23,200	TDR&TXV	15.50		13.00	58MVB120–20	
CNPH*3017A**	23,600	TXV		14.00	12.00		
CNPH*3617A**	23,200	TDR&TXV	15.50		13.00	58CV(A,X)070–12	
CNPH*3617A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)090–16	
CNPH*3617A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)110–20	
CNPH*3617A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)135–22	
CNPH*3617A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)155–22	
CNPH*3617A**	23,400	TDR&TXV	15.50		13.00	58MVB040–14	

24A PA5

See notes on pg. 20

COMBINATION RATINGS CONTINUED

24APAS

Unit Size – Series	Indoor Model	Total Cap. BTUH	Factory Supplied Enhancement	SEER		EER	Furnace Model
				Standard Rating	TDR†		
24-30	CNPV*3617A**	23,400	TDR&TXV	15.50		13.00	58MVB060-14
	CNPV*3617A**	23,400	TDR&TXV	15.50		13.00	58MVB080-14
	CNPV*3617A**	23,400	TDR&TXV	15.50		13.00	58MVB080-20
	CNPV*3617A**	23,400	TDR&TXV	15.50		13.00	58MVB100-20
	CNPV*3617A**	23,200	TDR&TXV	15.50		13.00	58MVB120-20
	CNPV*3617A**	23,600	TXV		14.00	12.00	
	CNPV*2414A**	23,000	TDR&TXV	15.00		13.00	58CV(A,X)070-12
	CNPV*2414A**	23,200	TXV		14.00	12.00	
	CNPV*2417A**	23,000	TDR&TXV	15.50		13.00	58CV(A,X)090-16
	CNPV*2417A**	23,000	TDR&TXV	15.50		13.00	58MVB060-14
	CNPV*2417A**	23,200	TXV		14.00	12.00	
	CNPV*3014A**	23,200	TDR&TXV	15.50		13.00	58CV(A,X)070-12
	CNPV*3014A**	23,600	TXV		14.00	12.00	
	CNPV*3017A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)090-16
	CNPV*3017A**	23,400	TDR&TXV	15.50		13.00	58MVB060-14
	CNPV*3017A**	23,600	TXV		14.00	12.00	
	CNPV*3617A**	23,200	TDR&TXV	15.50		13.00	58CV(A,X)070-12
	CNPV*3617A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)090-16
	CNPV*3617A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)110-20
	CNPV*3617A**	23,400	TDR&TXV	15.50		13.00	58MVB060-14
	CNPV*3617A**	23,400	TDR&TXV	15.50		13.00	58MVB080-14
	CNPV*3617A**	23,400	TDR&TXV	15.50		13.00	58MVB080-20
	CNPV*3617A**	23,400	TDR&TXV	15.50		13.00	58MVB100-20
	CNPV*3617A**	23,600	TXV		14.00	12.00	
	CNPV*3621A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)090-16
	CNPV*3621A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)110-20
	CNPV*3621A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)135-22
	CNPV*3621A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)155-22
	CNPV*3621A**	23,400	TDR&TXV	15.50		13.00	58MVB040-14
	CNPV*3621A**	23,400	TDR&TXV	15.50		13.00	58MVB060-14
	CNPV*3621A**	23,400	TDR&TXV	15.50		13.00	58MVB080-14
	CNPV*3621A**	23,400	TDR&TXV	15.50		13.00	58MVB080-20
	CNPV*3621A**	23,400	TDR&TXV	15.50		13.00	58MVB100-20
	CNPV*3621A**	23,400	TDR&TXV	15.50		13.00	58MVB120-20
	CNPV*3621A**	23,600	TXV		14.00	12.00	
	CSPH*2412A**	23,200	TDR&TXV	15.50		13.00	58CV(A,X)070-12
	CSPH*2412A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)090-16
	CSPH*2412A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)110-20
	CSPH*2412A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)135-22
	CSPH*2412A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)155-22
	CSPH*2412A**	23,400	TDR&TXV	15.50		13.00	58MVB040-14
	CSPH*2412A**	23,400	TDR&TXV	15.50		13.00	58MVB060-14
	CSPH*2412A**	23,400	TDR&TXV	15.50		13.00	58MVB080-14
	CSPH*2412A**	23,400	TDR&TXV	15.50		13.00	58MVB080-20
	CSPH*2412A**	23,400	TDR&TXV	15.50		13.00	58MVB100-20
	CSPH*2412A**	23,200	TDR&TXV	15.50		13.00	58MVB120-20
	CSPH*2412A**	23,600	TXV		14.00	12.00	
	CSPH*3012A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)070-12
	CSPH*3012A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)090-16
	CSPH*3012A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)110-20
CSPH*3012A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)135-22	
CSPH*3012A**	23,400	TDR&TXV	15.50		13.00	58CV(A,X)155-22	
CSPH*3012A**	23,400	TDR&TXV	15.50		13.00	58MVB040-14	
CSPH*3012A**	23,400	TDR&TXV	15.50		13.00	58MVB060-14	
CSPH*3012A**	23,400	TDR&TXV	15.50		13.00	58MVB080-14	
CSPH*3012A**	23,400	TDR&TXV	15.50		13.00	58MVB080-20	
CSPH*3012A**	23,400	TDR&TXV	15.50		13.00	58MVB100-20	
CSPH*3012A**	23,400	TDR&TXV	15.50		13.00	58MVB120-20	
CSPH*3012A**	23,600	TXV		14.00	12.00		
CSPH*3612A**	23,600	TDR&TXV	15.50		13.00	58CV(A,X)070-12	
CSPH*3612A**	23,800	TDR&TXV	15.50		13.00	58CV(A,X)090-16	
CSPH*3612A**	23,800	TDR&TXV	15.50		13.00	58CV(A,X)110-20	
CSPH*3612A**	23,800	TDR&TXV	15.50		13.00	58CV(A,X)135-22	
CSPH*3612A**	23,800	TDR&TXV	15.50		13.00	58CV(A,X)155-22	
CSPH*3612A**	23,600	TDR&TXV	15.50		13.00	58MVB040-14	
CSPH*3612A**	23,600	TDR&TXV	15.50		13.00	58MVB060-14	
CSPH*3612A**	23,600	TDR&TXV	15.50		13.00	58MVB080-14	
CSPH*3612A**	23,000	TDR&TXV	15.50		13.00	58MVB080-20	
CSPH*3612A**	23,800	TDR&TXV	15.50		13.00	58MVB100-20	
CSPH*3612A**	23,600	TDR&TXV	15.50		13.00	58MVB120-20	
CSPH*3612A**	23,800	TXV		14.00	12.00		
FE4ANF002	23,600	TDR&TXV	15.50		13.00		

See notes on pg. 20

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Total Cap. BTUH	Factory Supplied Enhancement	SEER		EER	Furnace Model
				Standard Rating	TDR†		
24–30	FE4ANF003	23,600	TDR&TXV	16.00		13.20	
	FE5ANB004	24,200	TDR&TXV	16.50		13.50	
	FF1ENP024	23,200	TDR&TXV	13.50		11.70	
	FF1ENP030	23,200	TDR&TXV	13.50		11.70	
	FF1ENP036	23,400	TDR&TXV	13.50		11.70	
	FV4BNF002	23,600	TDR&TXV	15.50		13.00	
	FV4BNF003	23,600	TDR&TXV	16.00		13.00	
	FX4CN(B,F)036	23,600	TDR&TXV	14.50		12.50	
	FX4CNF024	23,400	TDR&TXV	15.00		13.00	
	FX4CNF030	23,800	TDR&TXV	15.00		13.00	
	FY4ANF024	23,000	TDR&TXV	13.50		11.70	
	FY4ANF030	23,400	TDR&TXV	14.00		12.00	
	FY4ANF036	23,400	TDR&TXV	13.50		11.70	
*CAP**3617A**	29,600	TDR&TXV	15.00		12.5	58MVB060–14	
CAP**3014A**	28,800	TDR&TXV	15.00		12.85	58CV(A,X)070–12	
CAP**3014A**	28,600	TXV		14.00	12.00		
CAP**3017A**	28,800	TDR&TXV	15.50		13.00	58CV(A,X)090–16	
CAP**3017A**	28,800	TDR&TXV	15.00		13.00	58MVB060–14	
CAP**3017A**	28,600	TXV		14.00	12.00		
CAP**3614A**	28,800	TDR&TXV	15.00		12.90	58CV(A,X)070–12	
CAP**3614A**	28,800	TXV		14.00	12.00		
CAP**3617A**	29,600	TDR&TXV	15.00		13.00	58CV(A,X)090–16	
CAP**3617A**	29,000	TDR&TXV	15.50		13.00	58CV(A,X)090–16	
CAP**3617A**	28,800	TDR&TXV	15.00		13.00	58MVB060–14	
CAP**3617A**	28,800	TXV		14.00	12.00		
CAP**3621A**	29,000	TDR&TXV	15.50		13.00	58CV(A,X)110–20	
CAP**3621A**	29,000	TDR&TXV	15.50		13.00	58MVB080–14	
CAP**3621A**	29,000	TDR&TXV	15.50		13.00	58MVB080–20	
CAP**3621A**	29,000	TDR&TXV	15.50		13.00	58MVB100–20	
CAP**3621A**	28,800	TXV		14.00	12.00		
CAP**4221A**	29,200	TDR&TXV	15.50		13.00	58CV(A,X)090–16	
CAP**4221A**	29,200	TDR&TXV	15.50		13.00	58CV(A,X)110–20	
CAP**4221A**	29,200	TDR&TXV	15.50		13.00	58CV(A,X)135–22	
CAP**4221A**	29,200	TDR&TXV	15.50		13.00	58CV(A,X)155–22	
CAP**4221A**	29,000	TDR&TXV	15.50		13.00	58MVB040–14	
CAP**4221A**	29,000	TDR&TXV	15.50		13.00	58MVB060–14	
CAP**4221A**	29,200	TDR&TXV	15.50		13.00	58MVB080–14	
CAP**4221A**	29,000	TDR&TXV	15.50		13.00	58MVB080–20	
CAP**4221A**	29,200	TDR&TXV	15.50		13.00	58MVB100–20	
CAP**4221A**	29,000	TDR&TXV	15.50		13.00	58MVB120–20	
CAP**4221A**	29,000	TXV		14.00	12.00		
CAP**4224A**	29,200	TDR&TXV	15.50		13.00	58CV(A,X)110–20	
CAP**4224A**	29,200	TDR&TXV	15.50		13.00	58CV(A,X)135–22	
CAP**4224A**	29,200	TDR&TXV	15.50		13.00	58CV(A,X)155–22	
CAP**4224A**	29,000	TDR&TXV	15.50		13.00	58MVB040–14	
CAP**4224A**	29,200	TDR&TXV	15.50		13.00	58MVB080–14	
CAP**4224A**	29,000	TDR&TXV	15.50		13.00	58MVB080–20	
CAP**4224A**	29,200	TDR&TXV	15.50		13.00	58MVB100–20	
CAP**4224A**	29,000	TDR&TXV	15.50		13.00	58MVB120–20	
CAP**4224A**	29,000	TXV		14.00	12.00		
CNPF*3618A**	28,800	TXV		14.00	12.00		
CNPH*3017A**	28,800	TDR&TXV	15.00		12.90	58CV(A,X)070–12	
CNPH*3017A**	28,800	TDR&TXV	15.50		13.00	58CV(A,X)090–16	
CNPH*3017A**	29,000	TDR&TXV	15.00		13.00	58CV(A,X)110–20	
CNPH*3017A**	29,000	TDR&TXV	15.50		13.00	58CV(A,X)135–22	
CNPH*3017A**	29,000	TDR&TXV	15.50		13.00	58CV(A,X)155–22	
CNPH*3017A**	28,800	TDR&TXV	15.00		12.90	58MVB040–14	
CNPH*3017A**	28,800	TDR&TXV	15.00		12.95	58MVB060–14	
CNPH*3017A**	28,800	TDR&TXV	15.00		12.95	58MVB080–14	
CNPH*3017A**	28,800	TDR&TXV	15.00		12.95	58MVB080–20	
CNPH*3017A**	28,800	TDR&TXV	15.00		13.00	58MVB100–20	
CNPH*3017A**	28,800	TDR&TXV	15.00		13.00	58MVB120–20	
CNPH*3017A**	28,800	TXV		14.00	12.00		
CNPH*3617A**	28,800	TDR&TXV	15.00		12.90	58CV(A,X)070–12	
CNPH*3617A**	28,800	TDR&TXV	15.50		13.00	58CV(A,X)090–16	
CNPH*3617A**	29,000	TDR&TXV	15.00		13.00	58CV(A,X)110–20	
CNPH*3617A**	29,000	TDR&TXV	15.50		13.00	58CV(A,X)135–22	
CNPH*3617A**	29,000	TDR&TXV	15.50		13.00	58CV(A,X)155–22	
CNPH*3617A**	28,800	TDR&TXV	15.00		12.90	58MVB040–14	
CNPH*3617A**	28,800	TDR&TXV	15.00		12.95	58MVB060–14	
CNPH*3617A**	28,800	TDR&TXV	15.00		12.95	58MVB080–14	
CNPH*3617A**	28,800	TDR&TXV	15.00		12.95	58MVB080–20	
CNPH*3617A**	28,800	TDR&TXV	15.00		12.95	58MVB100–20	
CNPH*3617A**	28,800	TDR&TXV	15.00		12.95	58MVB120–20	

See notes on pg. 20

24APAS

COMBINATION RATINGS CONTINUED

24APAS

Unit Size – Series	Indoor Model	Total Cap. BTUH	Factory Supplied Enhancement	SEER		EER	Furnace Model
				Standard Rating	TDR†		
30–30	CNPH*3617A**	28,800	TDR&TXV	15.00		13.00	58MVB100–20
	CNPH*3617A**	28,800	TDR&TXV	15.00		13.00	58MVB120–20
	CNPH*3617A**	28,800	TXV		14.00	12.00	
	CNPH*4221A**	29,200	TDR&TXV	15.50		13.00	58CV(A,X)070–12
	CNPH*4221A**	29,200	TDR&TXV	15.50		13.00	58CV(A,X)090–16
	CNPH*4221A**	29,200	TDR&TXV	15.50		13.00	58CV(A,X)110–20
	CNPH*4221A**	29,200	TDR&TXV	16.00		13.20	58CV(A,X)135–22
	CNPH*4221A**	29,400	TDR&TXV	16.00		13.20	58CV(A,X)155–22
	CNPH*4221A**	29,200	TDR&TXV	15.50		13.00	58MVB040–14
	CNPH*4221A**	29,200	TDR&TXV	15.50		13.00	58MVB060–14
	CNPH*4221A**	29,200	TDR&TXV	15.50		13.00	58MVB080–14
	CNPH*4221A**	29,200	TDR&TXV	15.50		13.00	58MVB080–20
	CNPH*4221A**	29,200	TDR&TXV	15.50		13.00	58MVB100–20
	CNPH*4221A**	29,200	TDR&TXV	15.50		13.00	58MVB120–20
	CNPH*4221A**	29,000	TXV		14.00	12.00	
	CNPV*3014A**	28,800	TDR&TXV	15.00		12.80	58CV(A,X)070–12
	CNPV*3014A**	28,800	TXV		14.00	12.00	
	CNPV*3017A**	28,800	TDR&TXV	15.50		13.00	58CV(A,X)090–16
	CNPV*3017A**	28,800	TDR&TXV	15.00		12.95	58MVB060–14
	CNPV*3017A**	28,800	TXV		14.00	12.00	
	CNPV*3617A**	28,800	TDR&TXV	15.50		13.00	58CV(A,X)090–16
	CNPV*3617A**	28,800	TDR&TXV	15.00		12.95	58MVB060–14
	CNPV*3617A**	28,800	TXV		14.00	12.00	
	CNPV*3621A**	29,000	TDR&TXV	15.50		13.00	58CV(A,X)110–20
	CNPV*3621A**	28,800	TDR&TXV	15.00		12.95	58MVB080–14
	CNPV*3621A**	28,800	TDR&TXV	15.00		12.95	58MVB080–20
	CNPV*3621A**	28,800	TDR&TXV	15.00		13.00	58MVB100–20
	CNPV*3621A**	28,800	TXV		14.00	12.00	
	CNPV*4221A**	29,200	TDR&TXV	15.50		13.00	58CV(A,X)090–16
	CNPV*4221A**	29,200	TDR&TXV	15.50		13.00	58CV(A,X)110–20
	CNPV*4221A**	29,200	TDR&TXV	16.00		13.20	58CV(A,X)135–22
	CNPV*4221A**	29,400	TDR&TXV	16.00		13.20	58CV(A,X)155–22
	CNPV*4221A**	29,200	TDR&TXV	15.50		13.00	58MVB040–14
	CNPV*4221A**	29,200	TDR&TXV	15.50		13.00	58MVB060–14
	CNPV*4221A**	29,200	TDR&TXV	15.50		13.00	58MVB080–14
	CNPV*4221A**	29,200	TDR&TXV	15.50		13.00	58MVB080–20
	CNPV*4221A**	29,200	TDR&TXV	15.50		13.00	58MVB100–20
	CNPV*4221A**	29,200	TDR&TXV	15.50		13.00	58MVB120–20
	CNPV*4221A**	29,000	TXV		14.00	12.00	
	CSPH*3012A**	29,000	TDR&TXV	15.00		12.90	58CV(A,X)070–12
	CSPH*3012A**	29,000	TDR&TXV	15.00		13.00	58CV(A,X)090–16
	CSPH*3012A**	29,000	TDR&TXV	15.00		13.00	58CV(A,X)110–20
	CSPH*3012A**	29,000	TDR&TXV	15.50		13.00	58CV(A,X)135–22
	CSPH*3012A**	29,000	TDR&TXV	15.50		13.00	58CV(A,X)155–22
	CSPH*3012A**	29,000	TDR&TXV	15.00		12.90	58MVB040–14
	CSPH*3012A**	29,000	TDR&TXV	15.00		12.95	58MVB060–14
	CSPH*3012A**	29,000	TDR&TXV	15.00		12.90	58MVB080–14
	CSPH*3012A**	29,000	TDR&TXV	15.00		12.95	58MVB080–20
	CSPH*3012A**	29,000	TDR&TXV	15.00		13.00	58MVB100–20
	CSPH*3012A**	29,000	TDR&TXV	15.00		13.00	58MVB120–20
CSPH*3012A**	28,800	TXV		14.00	12.00		
CSPH*3612A**	29,400	TDR&TXV	15.50		13.00	58CV(A,X)070–12	
CSPH*3612A**	–200	TDR&TXV	15.50		13.00	58CV(A,X)090–16	
CSPH*3612A**	29,400	TDR&TXV	15.50		13.00	58CV(A,X)110–20	
CSPH*3612A**	29,400	TDR&TXV	15.50		13.00	58CV(A,X)135–22	
CSPH*3612A**	29,400	TDR&TXV	15.50		13.00	58CV(A,X)155–22	
CSPH*3612A**	29,400	TDR&TXV	15.50		13.00	58MVB040–14	
CSPH*3612A**	29,400	TDR&TXV	15.50		13.00	58MVB060–14	
CSPH*3612A**	29,400	TDR&TXV	15.50		13.00	58MVB080–14	
CSPH*3612A**	29,400	TDR&TXV	15.50		13.00	58MVB080–20	
CSPH*3612A**	29,400	TDR&TXV	15.50		13.00	58MVB100–20	
CSPH*3612A**	29,400	TDR&TXV	15.50		13.00	58MVB120–20	
CSPH*3612A**	29,200	TXV		14.00	12.00		
CSPH*4212A**	29,400	TDR&TXV	15.50		13.00	58CV(A,X)070–12	
CSPH*4212A**	29,600	TDR&TXV	15.50		13.00	58CV(A,X)090–16	
CSPH*4212A**	29,600	TDR&TXV	15.50		13.00	58CV(A,X)110–20	
CSPH*4212A**	29,600	TDR&TXV	15.50		13.00	58CV(A,X)135–22	
CSPH*4212A**	29,600	TDR&TXV	15.50		13.00	58CV(A,X)155–22	
CSPH*4212A**	29,400	TDR&TXV	15.50		13.00	58MVB040–14	
CSPH*4212A**	29,400	TDR&TXV	15.50		13.00	58MVB060–14	
CSPH*4212A**	29,600	TDR&TXV	15.50		13.00	58MVB080–14	
CSPH*4212A**	29,600	TDR&TXV	15.50		13.00	58MVB080–20	
CSPH*4212A**	29,600	TDR&TXV	15.50		13.00	58MVB100–20	
CSPH*4212A**	29,600	TDR&TXV	15.50		13.00	58MVB120–20	

See notes on pg. 20

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Total Cap. BTUH	Factory Supplied Enhancement	SEER		EER	Furnace Model
				Standard Rating	TDR†		
30–30	CSPH*4212A**	29,400	TDR&TXV	15.50		13.00	58MVB120–20
	CSPH*4212A**	29,400	TXV		14.00	12.00	
	FE4ANF002	29,000	TDR&TXV	15.50		13.00	
	FE4ANF003	29,200	TDR&TXV	15.50		13.00	
	FE4ANF005	30,000	TDR&TXV	16.00		13.20	
	FE5ANB004	30,200	TDR&TXV	16.50		13.50	
	FF1ENP030	28,200	TDR&TXV	13.50		11.85	
	FF1ENP036	28,800	TDR&TXV	14.00		12.00	
	FV4BNF002	29,000	TDR&TXV	15.50		13.00	
	FV4BNF003	29,200	TDR&TXV	15.50		13.00	
	FV4BNF005	30,000	TDR&TXV	15.00		12.50	
	FX4CN(B,F)036	29,000	TDR&TXV	15.00		12.60	
	FX4CN(B,F)042	29,200	TDR&TXV	14.50		12.40	
	FX4CNF030	28,600	TDR&TXV	15.00		12.50	
	FY4ANF030	28,400	TDR&TXV	14.00		12.00	
	FY4ANF036	28,600	TDR&TXV	13.50		11.85	
	FY4ANF042			TDR&TXV			11.50
*CAP**4221A**	35,800		TDR&TXV	15.00		12.85	58MVB100–20
CAP**3614A**	34,600		TDR&TXV	14.50		12.50	58CV(A,X)070–12
CAP**3614A**	34,600		TXV		14.00	11.95	
CAP**3617A**	34,800		TDR&TXV	15.00		12.85	58CV(A,X)090–16
CAP**3617A**	34,600		TDR&TXV	15.00		12.75	58MVB060–14
CAP**3617A**	34,800		TXV		14.00	11.90	
CAP**3621A**	34,800		TDR&TXV	15.00		12.95	58CV(A,X)110–20
CAP**3621A**	34,600		TDR&TXV	14.50		12.50	58MVB080–14
CAP**3621A**	34,600		TDR&TXV	15.00		12.80	58MVB080–20
CAP**3621A**	34,800		TDR&TXV	15.00		12.85	58MVB100–20
CAP**3621A**	34,800		TXV		14.00	11.90	
CAP**4221A**	35,200		TDR&TXV	15.50		13.00	58CV(A,X)110–20
CAP**4221A**	34,800		TDR&TXV	15.00		12.70	58MVB080–14
CAP**4221A**	35,000		TDR&TXV	15.00		12.85	58MVB080–20
CAP**4221A**	35,000		TXV		14.00	12.00	
CAP**4224A**	35,000		TDR&TXV	15.50		13.00	58CV(A,X)135–22
CAP**4224A**	35,200		TDR&TXV	15.50		13.00	58CV(A,X)155–22
CAP**4224A**	34,800		TDR&TXV	15.00		12.75	58MVB040–14
CAP**4224A**	35,000		TDR&TXV	15.00		13.00	58MVB120–20
CAP**4224A**	35,000		TXV		14.00	12.00	
CAP**4817A**	35,600		TDR&TXV	15.00		13.00	58CV(A,X)070–12
CAP**4817A**	35,600		TDR&TXV	15.50		13.00	58CV(A,X)090–16
CAP**4817A**	35,800		TDR&TXV	15.50		13.00	58CV(A,X)110–20
CAP**4817A**	35,600		TDR&TXV	15.50		13.00	58MVB060–14
CAP**4817A**	35,400		TDR&TXV	15.00		12.90	58MVB080–14
CAP**4817A**	35,600		TDR&TXV	15.00		13.00	58MVB080–20
CAP**4817A**	35,600		TDR&TXV	15.50		13.00	58MVB100–20
CAP**4817A**	35,800		TXV		14.00	12.00	
CAP**4821A**	35,400		TDR&TXV	15.50		13.00	58CV(A,X)090–16
CAP**4821A**	35,600		TDR&TXV	15.50		13.00	58CV(A,X)110–20
CAP**4821A**	35,600		TDR&TXV	15.50		13.00	58CV(A,X)135–22
CAP**4821A**	35,600		TDR&TXV	15.50		13.00	58CV(A,X)155–22
CAP**4821A**	35,200		TDR&TXV	15.00		12.90	58MVB040–14
CAP**4821A**	35,400		TDR&TXV	15.50		13.00	58MVB060–14
CAP**4821A**	35,200		TDR&TXV	15.00		12.85	58MVB080–14
CAP**4821A**	35,400		TDR&TXV	15.00		13.00	58MVB080–20
CAP**4821A**	35,400		TDR&TXV	15.00		13.00	58MVB100–20
CAP**4821A**	35,400		TDR&TXV	15.50		13.00	58MVB120–20
CAP**4821A**	35,600		TXV		14.00	12.00	
CAP**4824A**	35,600		TDR&TXV	15.50		13.00	58CV(A,X)110–20
CAP**4824A**	35,600		TDR&TXV	15.50		13.00	58CV(A,X)135–22
CAP**4824A**	35,600		TDR&TXV	15.50		13.00	58CV(A,X)155–22
CAP**4824A**	35,200		TDR&TXV	15.00		12.90	58MVB040–14
CAP**4824A**	35,200		TDR&TXV	15.00		12.85	58MVB080–14
CAP**4824A**	35,400		TDR&TXV	15.00		13.00	58MVB080–20
CAP**4824A**	35,400		TDR&TXV	15.00		13.00	58MVB100–20
CAP**4824A**	35,400		TDR&TXV	15.50		13.00	58MVB120–20
CAP**4824A**	35,600		TXV		14.00	12.00	
CNPF*3618A**	34,800		TXV		14.00	11.90	
CNPF*4818A**	35,400		TXV		14.00	12.00	
CNPH*3617A**	34,600		TDR&TXV	14.50		12.50	58CV(A,X)070–12
CNPH*3617A**	34,600		TDR&TXV	15.00		12.75	58CV(A,X)090–16
CNPH*3617A**	34,800		TDR&TXV	15.00		12.75	58CV(A,X)110–20

See notes on pg. 20

24A PA5

COMBINATION RATINGS CONTINUED

24APAS

Unit Size - Series	Indoor Model	Total Cap. BTUH	Factory Supplied Enhancement	SEER		EER	Furnace Model
				Standard Rating	TDR†		
36-30	CNPH*3617A**	34,600	TDR&TXV	15.00		12.80	58CV(A,X)135-22
	CNPH*3617A**	34,800	TDR&TXV	15.00		12.90	58CV(A,X)155-22
	CNPH*3617A**	34,400	TDR&TXV	14.50		12.50	58MVB040-14
	CNPH*3617A**	34,600	TDR&TXV	15.00		12.65	58MVB060-14
	CNPH*3617A**	34,400	TDR&TXV	14.50		12.45	58MVB080-14
	CNPH*3617A**	34,600	TDR&TXV	14.50		12.50	58MVB080-20
	CNPH*3617A**	34,600	TDR&TXV	15.00		12.70	58MVB100-20
	CNPH*3617A**	34,600	TDR&TXV	15.00		12.70	58MVB120-20
	CNPH*3617A**	34,800	TXV		14.00	11.90	
	CNPH*4221A**	35,000	TDR&TXV	15.00		12.95	58CV(A,X)070-12
	CNPH*4221A**	35,200	TDR&TXV	15.50		13.00	58CV(A,X)090-16
	CNPH*4221A**	35,200	TDR&TXV	15.50		13.00	58CV(A,X)110-20
	CNPH*4221A**	35,200	TDR&TXV	15.50		13.00	58CV(A,X)135-22
	CNPH*4221A**	35,200	TDR&TXV	15.50		13.00	58CV(A,X)155-22
	CNPH*4221A**	35,000	TDR&TXV	15.00		12.95	58MVB040-14
	CNPH*4221A**	35,000	TDR&TXV	15.50		13.00	58MVB060-14
	CNPH*4221A**	35,000	TDR&TXV	15.00		12.95	58MVB080-14
	CNPH*4221A**	35,000	TDR&TXV	15.00		13.00	58MVB080-20
	CNPH*4221A**	35,200	TDR&TXV	15.50		13.00	58MVB100-20
	CNPH*4221A**	35,000	TDR&TXV	15.50		13.00	58MVB120-20
	CNPH*4221A**	35,200	TXV		14.00	12.00	
	CNPH*4821A**	35,400	TDR&TXV	15.00		13.00	58CV(A,X)070-12
	CNPH*4821A**	35,600	TDR&TXV	15.50		13.00	58CV(A,X)090-16
	CNPH*4821A**	35,600	TDR&TXV	15.50		13.00	58CV(A,X)110-20
	CNPH*4821A**	35,600	TDR&TXV	15.50		13.00	58CV(A,X)135-22
	CNPH*4821A**	35,600	TDR&TXV	15.50		13.00	58CV(A,X)155-22
	CNPH*4821A**	35,400	TDR&TXV	15.00		12.95	58MVB040-14
	CNPH*4821A**	35,400	TDR&TXV	15.50		13.00	58MVB060-14
	CNPH*4821A**	35,400	TDR&TXV	15.00		12.90	58MVB080-14
	CNPH*4821A**	35,400	TDR&TXV	15.00		13.00	58MVB080-20
	CNPH*4821A**	35,600	TDR&TXV	15.50		13.00	58MVB100-20
	CNPH*4821A**	35,400	TDR&TXV	15.50		13.00	58MVB120-20
	CNPH*4821A**	35,600	TXV		14.00	12.00	
	CNPV*3617A**	34,600	TDR&TXV	15.00		12.75	58CV(A,X)090-16
	CNPV*3617A**	34,600	TDR&TXV	15.00		12.65	58MVB060-14
	CNPV*3617A**	34,800	TXV		14.00	11.90	
	CNPV*3621A**	34,800	TDR&TXV	15.00		12.80	58CV(A,X)110-20
	CNPV*3621A**	34,400	TDR&TXV	14.50		12.45	58MVB080-14
	CNPV*3621A**	34,600	TDR&TXV	14.50		12.50	58MVB080-20
	CNPV*3621A**	34,600	TDR&TXV	15.00		12.70	58MVB100-20
	CNPV*3621A**	34,800	TXV		14.00	11.90	
	CNPV*4221A**	35,200	TDR&TXV	15.50		13.00	58CV(A,X)110-20
	CNPV*4221A**	35,000	TDR&TXV	15.00		12.95	58MVB080-14
	CNPV*4221A**	35,000	TDR&TXV	15.00		13.00	58MVB080-20
	CNPV*4221A**	35,200	TDR&TXV	15.50		13.00	58MVB100-20
	CNPV*4221A**	35,200	TXV		14.00	12.00	
	CNPV*4821A**	35,600	TDR&TXV	15.50		13.00	58CV(A,X)090-16
	CNPV*4821A**	35,600	TDR&TXV	15.50		13.00	58CV(A,X)110-20
	CNPV*4821A**	35,600	TDR&TXV	15.50		13.00	58CV(A,X)135-22
	CNPV*4821A**	35,600	TDR&TXV	15.50		13.00	58CV(A,X)155-22
	CNPV*4821A**	35,400	TDR&TXV	15.00		12.95	58MVB040-14
	CNPV*4821A**	35,400	TDR&TXV	15.50		13.00	58MVB060-14
	CNPV*4821A**	35,400	TDR&TXV	15.00		12.90	58MVB080-14
	CNPV*4821A**	35,400	TDR&TXV	15.00		13.00	58MVB080-20
	CNPV*4821A**	35,600	TDR&TXV	15.50		13.00	58MVB100-20
	CNPV*4821A**	35,400	TDR&TXV	15.50		13.00	58MVB120-20
	CNPV*4821A**	35,600	TXV		14.00	12.00	
	CNPV*4824A**	35,600	TDR&TXV	15.50		13.00	58CV(A,X)110-20
	CNPV*4824A**	35,600	TDR&TXV	15.50		13.00	58CV(A,X)135-22
	CNPV*4824A**	35,600	TDR&TXV	15.50		13.00	58CV(A,X)155-22
	CNPV*4824A**	35,400	TDR&TXV	15.00		12.95	58MVB040-14
	CNPV*4824A**	35,400	TDR&TXV	15.00		12.90	58MVB080-14
	CNPV*4824A**	35,400	TDR&TXV	15.00		13.00	58MVB080-20
	CNPV*4824A**	35,600	TDR&TXV	15.50		13.00	58MVB100-20
	CNPV*4824A**	35,400	TDR&TXV	15.50		13.00	58MVB120-20
	CNPV*4824A**	35,600	TXV		14.00	12.00	
	CSPH*3612A**	35,400	TDR&TXV	15.00		12.90	58CV(A,X)070-12
	CSPH*3612A**	35,600	TDR&TXV	15.00		13.00	58CV(A,X)090-16
	CSPH*3612A**	35,600	TDR&TXV	15.00		13.00	58CV(A,X)110-20
	CSPH*3612A**	35,600	TDR&TXV	15.00		13.00	58CV(A,X)135-22
	CSPH*3612A**	35,600	TDR&TXV	15.50		13.00	58CV(A,X)155-22
	CSPH*3612A**	35,400	TDR&TXV	15.00		12.80	58MVB040-14
	CSPH*3612A**	35,400	TDR&TXV	15.00		13.00	58MVB060-14
	CSPH*3612A**	35,400	TDR&TXV	14.50		12.50	58MVB080-14

See notes on pg. 20

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Total Cap. BTUH	Factory Supplied Enhancement	SEER		EER	Furnace Model
				Standard Rating	TDR†		
36-30	CSPH*3612A**	35,400	TDR&TXV	15.00		12.95	58MVB080-20
	CSPH*3612A**	35,600	TDR&TXV	15.00		13.00	58MVB100-20
	CSPH*3612A**	35,400	TDR&TXV	15.00		13.00	58MVB120-20
	CSPH*3612A**	35,800	TXV		14.00	12.00	
	CSPH*4212A**	35,600	TDR&TXV	15.00		13.00	58CV(A,X)070-12
	CSPH*4212A**	35,800	TDR&TXV	15.50		13.00	58CV(A,X)090-16
	CSPH*4212A**	35,800	TDR&TXV	15.50		13.00	58CV(A,X)110-20
	CSPH*4212A**	35,800	TDR&TXV	15.50		13.00	58CV(A,X)135-22
	CSPH*4212A**	35,800	TDR&TXV	15.50		13.00	58CV(A,X)155-22
	CSPH*4212A**	35,600	TDR&TXV	15.00		12.90	58MVB040-14
	CSPH*4212A**	35,600	TDR&TXV	15.00		13.00	58MVB060-14
	CSPH*4212A**	35,600	TDR&TXV	15.00		12.90	58MVB080-14
	CSPH*4212A**	35,600	TDR&TXV	15.00		13.00	58MVB080-20
	CSPH*4212A**	35,800	TDR&TXV	15.00		13.00	58MVB100-20
	CSPH*4212A**	35,600	TDR&TXV	15.00		13.00	58MVB120-20
	CSPH*4212A**	36,000	TXV		14.00	12.00	
	CSPH*4812A**	35,800	TDR&TXV	15.00		13.00	58CV(A,X)070-12
	CSPH*4812A**	35,800	TDR&TXV	15.50		13.00	58CV(A,X)090-16
	CSPH*4812A**	36,000	TDR&TXV	15.50		13.00	58CV(A,X)110-20
	CSPH*4812A**	36,000	TDR&TXV	15.50		13.00	58CV(A,X)135-22
	CSPH*4812A**	36,000	TDR&TXV	15.50		13.00	58CV(A,X)155-22
	CSPH*4812A**	35,800	TDR&TXV	15.00		12.95	58MVB040-14
	CSPH*4812A**	35,800	TDR&TXV	15.00		13.00	58MVB060-14
	CSPH*4812A**	35,600	TDR&TXV	15.00		12.90	58MVB080-14
	CSPH*4812A**	35,800	TDR&TXV	15.00		13.00	58MVB080-20
	CSPH*4812A**	35,800	TDR&TXV	15.00		13.00	58MVB100-20
	CSPH*4812A**	35,800	TDR&TXV	15.50		13.00	58MVB120-20
	CSPH*4812A**	36,000	TXV		14.00	12.00	
	FE4ANB006	36,600	TDR&TXV	16.50		13.50	
	FE4ANF002	34,800	TDR&TXV	15.00		12.50	
	FE4ANF003	35,000	TDR&TXV	15.50		13.00	
	FE4ANF005	36,200	TDR&TXV	16.00		13.20	
	FE5ANB004	36,400	TDR&TXV	16.50		13.50	
	FF1ENP036	35,000	TDR&TXV	14.00		12.00	
	FV4BNB006	36,600	TDR&TXV	16.50		13.50	
	FV4BNF002	34,800	TDR&TXV	15.00		12.50	
	FV4BNF003	35,000	TDR&TXV	15.50		13.00	
	FV4BNF005	36,200	TDR&TXV	16.00		13.20	
	FX4CN(B,F)036	35,200	TDR&TXV	15.00		12.50	
	FX4CN(B,F)042	35,800	TDR&TXV	15.00		12.50	
FX4CN(B,F)048	36,200	TDR&TXV	14.50		12.50		
FY4ANF036	34,800	TDR&TXV	13.50		11.70		
FY4ANF042	35,400	TDR&TXV	14.00		12.00		
FY4ANF048	36,000	TDR&TXV	14.00		12.00		
*CAP**4821A**	41,500	TDR&TXV	14.50		12.35	58MVB100-20	
CAP**4221A**	40,500	TDR&TXV	15.00		12.60	58CV(A,X)110-20	
CAP**4221A**	40,000	TDR&TXV	14.50		12.25	58MVB080-14	
CAP**4221A**	40,500	TDR&TXV	14.50		12.35	58MVB080-20	
CAP**4221A**	40,500	TDR&TXV	14.50		12.50	58MVB100-20	
CAP**4221A**	40,500	TXV		13.50	11.70		
CAP**4224A**	40,500	TDR&TXV	15.00		12.80	58CV(A,X)135-22	
CAP**4224A**	40,500	TDR&TXV	15.00		12.80	58CV(A,X)155-22	
CAP**4224A**	40,000	TDR&TXV	14.50		12.30	58MVB040-14	
CAP**4224A**	40,500	TDR&TXV	15.00		12.55	58MVB120-20	
CAP**4224A**	40,500	TXV		13.50	11.70		
CAP**4817A**	41,500	TDR&TXV	15.00		12.75	58CV(A,X)090-16	
CAP**4817A**	41,000	TDR&TXV	15.00		12.60	58MVB060-14	
CAP**4817A**	41,500	TXV		14.00	12.00		
CAP**4821A**	41,000	TDR&TXV	15.00		12.75	58CV(A,X)110-20	
CAP**4821A**	41,000	TDR&TXV	14.50		12.40	58MVB080-14	
CAP**4821A**	41,000	TDR&TXV	14.50		12.50	58MVB080-20	
CAP**4821A**	41,500	TXV		14.00	11.90		
CAP**4824A**	41,000	TDR&TXV	15.00		12.95	58CV(A,X)135-22	
CAP**4824A**	41,000	TDR&TXV	15.00		12.95	58CV(A,X)155-22	
CAP**4824A**	41,000	TDR&TXV	14.50		12.45	58MVB040-14	
CAP**4824A**	41,000	TDR&TXV	15.00		12.70	58MVB120-20	
CAP**4824A**	41,500	TXV		14.00	11.90		
CAP**6021A**	42,000	TDR&TXV	15.00		13.00	58CV(A,X)090-16	
CAP**6021A**	42,000	TDR&TXV	15.50		13.00	58CV(A,X)110-20	

See notes on pg. 20

24A PA5

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Total Cap. BTUH	Factory Supplied Enhancement	SEER		EER	Furnace Model
				Standard Rating	TDR†		
42–30	CNPV*6024A**	42,000	TDR&TXV	15.50		13.00	58CV(A,X)110–20
	CNPV*6024A**	42,000	TDR&TXV	15.50		13.00	58CV(A,X)135–22
	CNPV*6024A**	42,000	TDR&TXV	15.50		13.00	58CV(A,X)155–22
	CNPV*6024A**	41,500	TDR&TXV	15.00		12.70	58MVB040–14
	CNPV*6024A**	41,500	TDR&TXV	15.00		12.65	58MVB080–14
	CNPV*6024A**	41,500	TDR&TXV	15.00		12.75	58MVB080–20
	CNPV*6024A**	42,000	TDR&TXV	15.00		12.90	58MVB100–20
	CNPV*6024A**	41,500	TDR&TXV	15.00		12.95	58MVB120–20
	CNPV*6024A**	42,000	TXV		14.00	12.00	
	CSPH*4212A**	41,000	TDR&TXV	14.50		12.40	58CV(A,X)070–12
	CSPH*4212A**	41,500	TDR&TXV	15.00		12.75	58CV(A,X)090–16
	CSPH*4212A**	41,500	TDR&TXV	15.00		12.75	58CV(A,X)110–20
	CSPH*4212A**	41,500	TDR&TXV	15.00		12.90	58CV(A,X)135–22
	CSPH*4212A**	41,500	TDR&TXV	15.00		12.95	58CV(A,X)155–22
	CSPH*4212A**	41,000	TDR&TXV	14.50		12.45	58MVB040–14
	CSPH*4212A**	41,000	TDR&TXV	15.00		12.60	58MVB060–14
	CSPH*4212A**	41,000	TDR&TXV	14.50		12.40	58MVB080–14
	CSPH*4212A**	41,000	TDR&TXV	14.50		12.50	58MVB080–20
	CSPH*4212A**	41,500	TDR&TXV	15.00		12.65	58MVB100–20
	CSPH*4212A**	41,000	TDR&TXV	15.00		12.70	58MVB120–20
	CSPH*4212A**	41,500	TXV		14.00	11.95	
	CSPH*4812A**	41,500	TDR&TXV	14.50		12.45	58CV(A,X)070–12
	CSPH*4812A**	41,500	TDR&TXV	15.00		12.80	58CV(A,X)090–16
	CSPH*4812A**	41,500	TDR&TXV	15.00		12.80	58CV(A,X)110–20
	CSPH*4812A**	41,500	TDR&TXV	15.00		12.95	58CV(A,X)135–22
	CSPH*4812A**	41,500	TDR&TXV	15.50		13.00	58CV(A,X)155–22
	CSPH*4812A**	41,000	TDR&TXV	14.50		12.50	58MVB040–14
	CSPH*4812A**	41,500	TDR&TXV	15.00		12.65	58MVB060–14
	CSPH*4812A**	41,000	TDR&TXV	14.50		12.45	58MVB080–14
	CSPH*4812A**	41,500	TDR&TXV	15.00		12.60	58MVB080–20
	CSPH*4812A**	41,500	TDR&TXV	15.00		12.70	58MVB100–20
	CSPH*4812A**	41,500	TDR&TXV	15.00		12.75	58MVB120–20
	CSPH*4812A**	42,000	TXV		14.00	12.00	
	CSPH*6012A**	42,000	TDR&TXV	15.00		12.65	58CV(A,X)070–12
	CSPH*6012A**	42,000	TDR&TXV	15.50		13.00	58CV(A,X)090–16
	CSPH*6012A**	42,000	TDR&TXV	15.50		13.00	58CV(A,X)110–20
	CSPH*6012A**	42,000	TDR&TXV	15.50		13.00	58CV(A,X)135–22
	CSPH*6012A**	42,000	TDR&TXV	15.50		13.00	58CV(A,X)155–22
	CSPH*6012A**	41,500	TDR&TXV	15.00		12.70	58MVB040–14
	CSPH*6012A**	42,000	TDR&TXV	15.00		12.85	58MVB060–14
	CSPH*6012A**	41,500	TDR&TXV	15.00		12.65	58MVB080–14
	CSPH*6012A**	42,000	TDR&TXV	15.00		12.80	58MVB080–20
	CSPH*6012A**	42,000	TDR&TXV	15.00		12.95	58MVB100–20
	CSPH*6012A**	42,000	TDR&TXV	15.00		12.95	58MVB120–20
	CSPH*6012A**	42,500	TXV		14.00	12.00	
	FE4ANF003	40,500	TDR&TXV	15.00		12.65	
	FE4ANF005	42,000	TDR&TXV	15.50		13.00	
	FE5ANB004	42,500	TDR&TXV	16.00		13.40	
	FV4BNF003	40,500	TDR&TXV	15.00		12.65	
	FV4BNF005	42,000	TDR&TXV	15.50		13.00	
	FX4CN(B,F)042	41,500	TDR&TXV	14.50		12.45	
	FX4CN(B,F)048	42,500	TDR&TXV	15.00		12.90	
	FY4ANF042	41,000	TDR&TXV	13.50		11.65	
	FY4ANF048	42,000	TDR&TXV	14.00		11.95	
	*CAP**6024A**	48,000	TDR&TXV	14.50		12.30	58MVB120–20
	CAP**4817A**	46,500	TDR&TXV	14.00		12.00	58CV(A,X)090–16
	CAP**4817A**	46,500	TXV		13.50	11.70	
	CAP**4821A**	46,500	TDR&TXV	14.00		12.00	58CV(A,X)110–20
	CAP**4821A**	46,000	TDR&TXV	14.00		12.00	58MVB080–20
	CAP**4821A**	46,000	TDR&TXV	14.00		12.00	58MVB100–20
	CAP**4821A**	47,000	TXV		13.50	11.70	
	CAP**4824A**	46,500	TDR&TXV	14.50		12.50	58CV(A,X)135–22
	CAP**4824A**	46,500	TDR&TXV	14.50		12.50	58CV(A,X)155–22
	CAP**4824A**	46,000	TDR&TXV	14.00		12.00	58MVB120–20
	CAP**4824A**	47,000	TXV		13.50	11.70	
	CAP**6021A**	47,500	TDR&TXV	14.50		12.50	58CV(A,X)110–20
	CAP**6021A**	47,000	TDR&TXV	14.50		12.50	58MVB080–20

24A PA5

See notes on pg. 20

COMBINATION RATINGS CONTINUED

24APAS

Unit Size - Series	Indoor Model	Total Cap. BTUH	Factory Supplied Enhancement	SEER		EER	Furnace Model
				Standard Rating	TDR†		
48-30	CAP**6021A**	47,500	TDR&TXV	14.50		12.50	58MVB100-20
	CAP**6021A**	48,000	TXV		14.00	12.00	
	CAP**6024A**	47,500	TDR&TXV	15.00		13.00	58CV(A,X)155-22
	CAP**6024A**	48,000	TXV		14.00	12.00	
	CNPF*4818A**	46,000	TXV		13.50	11.70	
	CNPH*4821A**	46,500	TDR&TXV	14.00		12.00	58CV(A,X)090-16
	CNPH*4821A**	46,500	TDR&TXV	14.00		12.00	58CV(A,X)110-20
	CNPH*4821A**	46,500	TDR&TXV	14.50		12.50	58CV(A,X)135-22
	CNPH*4821A**	46,500	TDR&TXV	14.50		12.50	58CV(A,X)155-22
	CNPH*4821A**	46,500	TDR&TXV	14.00		12.00	58MVB080-20
	CNPH*4821A**	46,500	TDR&TXV	14.00		12.00	58MVB100-20
	CNPH*4821A**	46,500	TDR&TXV	14.00		12.00	58MVB120-20
	CNPH*4821A**	47,000	TXV		13.50	11.70	
	CNPH*6024A**	47,000	TDR&TXV	14.50		12.50	58CV(A,X)090-16
	CNPH*6024A**	47,500	TDR&TXV	14.50		12.50	58CV(A,X)110-20
	CNPH*6024A**	47,500	TDR&TXV	15.00		12.90	58CV(A,X)135-22
	CNPH*6024A**	47,500	TDR&TXV	15.00		13.00	58CV(A,X)155-22
	CNPH*6024A**	47,000	TDR&TXV	14.50		12.50	58MVB080-20
	CNPH*6024A**	47,000	TDR&TXV	14.50		12.50	58MVB100-20
	CNPH*6024A**	47,000	TDR&TXV	14.50		12.50	58MVB120-20
	CNPH*6024A**	3,900	TXV		14.00	12.00	
	CNPV*4821A**	46,500	TDR&TXV	14.00		12.00	58CV(A,X)110-20
	CNPV*4821A**	46,500	TDR&TXV	14.00		12.00	58MVB080-20
	CNPV*4821A**	46,500	TDR&TXV	14.00		12.00	58MVB100-20
	CNPV*4821A**	47,000	TXV		13.50	11.70	
	CNPV*4824A**	46,500	TDR&TXV	14.50		12.50	58CV(A,X)135-22
	CNPV*4824A**	46,500	TDR&TXV	14.50		12.50	58CV(A,X)155-22
	CNPV*4824A**	46,500	TDR&TXV	14.00		12.00	58MVB120-20
	CNPV*4824A**	47,000	TXV		13.50	11.70	
	CNPV*6024A**	47,500	TDR&TXV	15.00		12.90	58CV(A,X)135-22
	CNPV*6024A**	47,500	TDR&TXV	15.00		13.00	58CV(A,X)155-22
	CNPV*6024A**	47,000	TDR&TXV	14.50		12.50	58MVB120-20
	CNPV*6024A**	48,000	TXV		14.00	12.00	
	CSPH*4812A**	47,000	TDR&TXV	14.00		12.00	58CV(A,X)090-16
	CSPH*4812A**	47,000	TDR&TXV	14.00		12.00	58CV(A,X)110-20
	CSPH*4812A**	47,000	TDR&TXV	14.50		12.50	58CV(A,X)135-22
	CSPH*4812A**	47,000	TDR&TXV	14.50		12.50	58CV(A,X)155-22
	CSPH*4812A**	46,500	TDR&TXV	14.00		12.00	58MVB080-20
	CSPH*4812A**	46,500	TDR&TXV	14.00		12.00	58MVB100-20
	CSPH*4812A**	46,500	TDR&TXV	14.00		12.00	58MVB120-20
	CSPH*4812A**	47,500	TXV		13.50	11.70	
	CSPH*6012A**	47,500	TDR&TXV	14.50		12.50	58CV(A,X)090-16
	CSPH*6012A**	47,500	TDR&TXV	14.50		12.50	58CV(A,X)110-20
	CSPH*6012A**	47,500	TDR&TXV	15.00		12.95	58CV(A,X)135-22
	CSPH*6012A**	48,000	TDR&TXV	15.00		13.00	58CV(A,X)155-22
	CSPH*6012A**	47,500	TDR&TXV	14.50		12.50	58MVB080-20
	CSPH*6012A**	47,500	TDR&TXV	14.50		12.50	58MVB100-20
	CSPH*6012A**	47,500	TDR&TXV	14.50		12.50	58MVB120-20
CSPH*6012A**	48,000	TXV		14.00	12.00		
FE4ANB006	48,000	TDR&TXV	15.50		13.00		
FE4ANF005	47,500	TDR&TXV	15.00		12.95		
FV4BNB006	48,000	TDR&TXV	15.50		13.00		
FV4BNF005	47,500	TDR&TXV	15.00		12.95		
FX4CN(B,F)048	48,000	TDR&TXV	14.50		12.50		
FX4CN(B,F)060	48,500	TDR&TXV	15.00		13.00		
FY4ANB060	48,000	TDR&TXV	13.50		11.70		
FY4ANF048	47,500	TDR&TXV	13.50		11.70		

See notes on pg. 20

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Total Cap. BTUH	Factory Supplied Enhancement	SEER		EER	Furnace Model
				Standard Rating	TDR†		
60–30	*CAP**6024A**	59,000	TDR&TXV	14.50		12.20	58CV(A,X)155–22
	CAP**6021A**	58,500	TDR&TXV	14.20		12.00	58CV(A,X)110–20
	CAP**6021A**	58,500	TDR&TXV	14.50		12.20	58CV(A,X)135–22
	CAP**6021A**	58,500	TDR&TXV	14.50		12.20	58CV(A,X)155–22
	CAP**6021A**	58,500	TXV		14.00	11.85	
	CAP**6024A**	58,500	TDR&TXV	14.20		11.95	58CV(A,X)110–20
	CAP**6024A**	58,500	TDR&TXV	14.20		12.00	58CV(A,X)135–22
	CAP**6024A**	58,500	TXV		14.00	11.85	
	CNPH*6024A**	58,500	TDR&TXV	14.20		12.00	58CV(A,X)110–20
	CNPH*6024A**	58,500	TDR&TXV	14.20		12.00	58CV(A,X)135–22
	CNPH*6024A**	58,500	TDR&TXV	14.50		12.20	58CV(A,X)155–22
	CNPH*6024A**	58,500	TXV		14.00	11.85	
	CNPV*6024A**	58,500	TDR&TXV	14.20		12.00	58CV(A,X)110–20
	CNPV*6024A**	58,500	TDR&TXV	14.20		12.00	58CV(A,X)135–22
	CNPV*6024A**	58,500	TDR&TXV	14.50		12.20	58CV(A,X)155–22
	CNPV*6024A**	58,500	TXV		14.00	11.85	
	CSPH*6012A**	58,500	TDR&TXV	14.20		12.00	58CV(A,X)110–20
	CSPH*6012A**	58,500	TDR&TXV	14.50		12.20	58CV(A,X)135–22
	CSPH*6012A**	58,500	TDR&TXV	14.50		12.20	58CV(A,X)155–22
	CSPH*6012A**	58,500	TDR&TXV	14.20		11.90	58MVB120–20
	CSPH*6012A**	58,500	TXV		14.00	11.90	
	FE4ANB006	59,000	TDR&TXV	15.00		12.50	
	FV4BNB006	59,000	TDR&TXV	15.00		12.50	
	FX4CN(B,F)060	58,500	TDR&TXV	14.50		12.50	
	FY4ANB060	59,000	TDR&TXV	14.00		11.75	

* 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 significantly affected.

24A PA5

DETAILED COOLING CAPACITIES

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F														
CFM	EWB	75			85			95			105			115		
		Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**
		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡	
24APAS18A30 Outdoor Section With CAP*2417A Indoor Section																
525	72	22.08	11.47	1.11	21.08	11.09	1.25	20.02	10.68	1.39	18.89	10.26	1.55	17.71	9.82	1.73
	67	20.17	14.01	1.12	19.25	13.61	1.25	18.26	13.20	1.40	17.21	12.76	1.56	16.11	12.31	1.73
	62	18.42	16.51	1.12	17.57	16.11	1.26	16.67	15.69	1.40	15.72	15.24	1.56	14.75	14.75	1.74
	57	17.73	17.73	1.13	17.06	17.06	1.26	16.34	16.34	1.40	15.58	15.58	1.56	14.75	14.75	1.74
600	72	22.50	12.05	1.14	21.46	11.66	1.27	20.35	11.24	1.42	19.18	10.82	1.58	17.95	10.37	1.76
	67	20.58	14.93	1.14	19.61	14.53	1.28	18.59	14.11	1.42	17.50	13.67	1.58	16.36	13.21	1.76
	62	18.87	17.79	1.15	17.99	17.37	1.28	17.08	16.91	1.43	16.22	16.22	1.59	15.34	15.34	1.76
	57	18.53	18.53	1.15	17.81	17.81	1.28	17.04	17.04	1.43	16.22	16.22	1.59	15.34	15.34	1.76
725	72	22.96	12.94	1.18	21.86	12.54	1.31	20.69	12.12	1.46	19.47	11.69	1.62	18.18	11.24	1.80
	67	21.04	16.39	1.18	20.02	15.98	1.32	18.95	15.55	1.46	17.81	15.10	1.63	16.62	14.63	1.80
	62	19.57	19.57	1.19	18.78	18.78	1.32	17.94	17.94	1.47	17.04	17.04	1.63	16.09	16.09	1.80
	57	19.57	19.57	1.19	18.78	18.78	1.32	17.94	17.94	1.47	17.04	17.04	1.63	16.09	16.09	1.80

24APAS

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAP**2417A**	1.00	1.00	58MVB060-14
CAP**1814A**	0.97	1.07	
CAP**2414A**	0.99	1.09	
CAP**2417A**	0.99	1.09	
CAP**3014A**	1.00	1.08	
CAP**3017A**	1.00	1.08	
CNPF*2418A**	0.99	1.09	
CNPH*2417A**	0.99	1.09	
CNPH*3017A**	1.00	1.08	
CNPV*1814A**	0.98	1.08	
CNPV*2414A**	0.99	1.09	
CNPV*2417A**	0.99	1.09	
CNPV*3014A**	1.00	1.08	
CNPV*3017A**	1.00	1.08	
CSPH*2412A**	1.00	1.08	
CSPH*3012A**	1.00	1.08	
FE4ANF002	0.98	1.02	
FF1ENP018	0.96	1.04	
FF1ENP024	0.98	1.06	
FF1ENP030	0.97	1.08	
FV4BNF002	0.98	1.02	
FX4CNF018	0.98	1.02	
FX4CNF024	0.99	1.03	
FX4CNF030	0.99	1.03	
FY4ANF018	0.96	1.04	
FY4ANF024	0.97	1.05	
FY4ANF030	0.98	1.03	

Cooling Indoor Model	Capacity	Power	Furnace Model
CAP**1814A**	0.96	0.98	58CV(A,X)070-12
CAP**2414A**	0.98	0.99	58CV(A,X)070-12
CAP**3014A**	0.98	0.98	58CV(A,X)070-12
CAP**3017A**	0.98	0.98	58CV(A,X)070-12
CNPH*2417A**	0.98	0.99	58CV(A,X)070-12
CNPH*3017A**	0.98	0.98	58CV(A,X)070-12
CNPV*1814A**	0.97	0.99	58CV(A,X)070-12
CNPV*2414A**	0.98	0.99	58CV(A,X)070-12
CNPV*3014A**	0.98	0.98	58CV(A,X)070-12
CNPV*3017A**	0.98	0.98	58CV(A,X)070-12
CSPH*2412A**	0.98	0.98	58CV(A,X)070-12
CSPH*3012A**	0.99	0.99	58CV(A,X)070-12
CAP**2417A**	0.98	0.98	58CV(A,X)090-16
CAP**3014A**	0.99	0.99	58CV(A,X)090-16
CAP**3017A**	0.99	0.99	58CV(A,X)090-16
CNPH*2417A**	0.98	1.00	58CV(A,X)090-16
CNPH*3017A**	0.99	0.99	58CV(A,X)090-16
CNPV*2417A**	0.98	1.00	58CV(A,X)090-16
CNPV*3014A**	0.99	0.99	58CV(A,X)090-16
CNPV*3017A**	0.99	0.99	58CV(A,X)090-16
CSPH*2412A**	0.99	0.99	58CV(A,X)090-16
CSPH*3012A**	0.99	0.99	58CV(A,X)090-16
CNPH*2417A**	0.98	0.99	58MVB040-14
CNPH*3017A**	0.99	0.99	58MVB040-14
CSPH*2412A**	0.99	0.99	58MVB040-14
CSPH*3012A**	0.99	0.99	58MVB040-14
CAP**3014A**	0.99	0.99	58MVB060-14
CAP**3017A**	0.99	0.99	58MVB060-14
CNPH*2417A**	0.98	0.99	58MVB060-14
CNPH*3017A**	0.99	0.99	58MVB060-14
CNPV*2417A**	0.98	0.99	58MVB060-14
CNPV*3014A**	0.99	0.99	58MVB060-14
CNPV*3017A**	0.99	0.99	58MVB060-14
CSPH*2412A**	0.99	0.99	58MVB060-14
CSPH*3012A**	0.99	0.99	58MVB060-14
CAP**3017A**	0.99	0.99	58MVB080-14
CNPH*2417A**	0.98	0.99	58MVB080-14
CNPH*3017A**	0.99	0.99	58MVB080-14
CNPV*3017A**	0.99	0.99	58MVB080-14
CSPH*2412A**	0.99	0.99	58MVB080-14
CSPH*3012A**	0.99	0.99	58MVB080-14

See notes on pg. 28

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F														
		75			85			95			105			115		
		CFM	EWB	Capacity MBtu/h		Total Sys-tem KW**	Capacity MBtu/h		Total Sys-tem KW**	Capacity MBtu/h		Total Sys-tem KW**	Capacity MBtu/h		Total Sys-tem KW**	Capacity MBtu/h
Total	Sens †			Total	Sens †	Total	Sens †	Total	Sens †	Total	Sens †	Total	Sens †	Total	Sens †	
24APA524A30 Outdoor Section With CAP*3017A Indoor Section																
700	72	28.26	14.92	1.46	27.02	14.44	1.63	25.70	13.95	1.82	24.32	13.44	2.04	22.86	12.90	2.27
	67	25.92	18.39	1.45	24.76	17.91	1.63	23.54	17.40	1.82	22.25	16.87	2.03	20.89	16.32	2.27
	62	23.79	21.84	1.45	22.73	21.34	1.62	21.62	20.81	1.82	20.47	20.24	2.03	19.38	19.38	2.26
	57	23.15	23.15	1.45	22.30	22.30	1.62	21.39	21.39	1.81	20.42	20.42	2.03	19.38	19.38	2.26
800	72	28.71	15.65	1.49	27.42	15.18	1.67	26.05	14.67	1.86	24.62	14.16	2.07	23.11	13.61	2.30
	67	26.35	19.59	1.49	25.16	19.10	1.66	23.89	18.59	1.85	22.56	18.05	2.07	21.15	17.49	2.30
	62	24.31	23.48	1.49	23.24	22.95	1.66	22.21	22.21	1.85	21.18	21.18	2.06	20.07	20.07	2.30
	57	24.10	24.10	1.49	23.18	23.18	1.66	22.21	22.21	1.85	21.18	21.18	2.06	20.07	20.07	2.30
900	72	29.02	16.36	1.53	27.70	15.87	1.70	26.28	15.37	1.89	24.83	14.85	2.11	23.27	14.30	2.34
	67	26.67	20.74	1.52	25.44	20.25	1.70	24.14	19.73	1.89	22.78	19.19	2.10	21.34	18.62	2.34
	62	24.86	24.86	1.52	23.90	23.90	1.70	22.87	22.87	1.89	21.79	21.79	2.10	20.62	20.62	2.33
	57	24.87	24.87	1.52	23.90	23.90	1.70	22.88	22.88	1.89	21.79	21.79	2.10	20.62	20.62	2.33

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAP**3017A**	1.00	1.00	58MVP060-14
CAP**2414A**	0.97	1.06	
CAP**2417A**	0.97	1.06	
CAP**3014A**	0.98	1.07	
CAP**3017A**	0.98	1.07	
CAP**3614A**	0.99	1.07	
CAP**3617A**	0.99	1.07	
CAP**3621A**	0.99	1.07	
CNPF*2418A**	0.97	1.06	
CNPF*3618A**	0.99	1.07	
CNPH*2417A**	0.97	1.06	
CNPH*3017A**	0.99	1.07	
CNPH*3617A**	0.99	1.07	
CNPV*2414A**	0.97	1.06	
CNPV*2417A**	0.97	1.06	
CNPV*3014A**	0.99	1.07	
CNPV*3017A**	0.99	1.07	
CNPV*3617A**	0.99	1.07	
CNPV*3621A**	0.99	1.07	
CSPH*2412A**	0.99	1.07	
CSPH*3012A**	0.98	1.07	
CSPH*3612A**	0.99	1.07	
FE4ANF002	0.98	0.98	
FE4ANF003	0.98	0.97	
FE5ANB004	1.01	0.99	
FF1ENP024	0.97	1.07	
FF1ENP030	0.97	1.07	
FF1ENP036	0.98	1.08	
FV4BNF002	0.98	0.98	
FV4BNF003	0.98	0.98	
FX4CN(B,F)036	0.98	1.02	
FX4CNF024	0.98	0.98	
FX4CNF030	0.99	0.99	
FY4ANF024	0.96	1.06	
FY4ANF030	0.98	1.06	
FY4ANF036	0.98	1.08	
CAP**2414A**	0.97	0.97	58CV(A,X)070-12
CAP**3014A**	0.97	0.97	58CV(A,X)070-12
CAP**3614A**	0.98	0.98	58CV(A,X)070-12
CAP**3617A**	0.98	0.98	58CV(A,X)070-12
CNPH*2417A**	0.97	0.97	58CV(A,X)070-12
CNPH*3017A**	0.97	0.97	58CV(A,X)070-12
CNPH*3617A**	0.97	0.97	58CV(A,X)070-12
CNPV*2414A**	0.97	0.97	58CV(A,X)070-12
CNPV*3014A**	0.97	0.97	58CV(A,X)070-12
CNPV*3617A**	0.97	0.97	58CV(A,X)070-12
CSPH*2412A**	0.97	0.97	58CV(A,X)070-12
CSPH*3012A**	0.98	0.98	58CV(A,X)070-12
CSPH*3612A**	0.98	0.98	58CV(A,X)070-12
CAP**2417A**	0.97	0.97	58CV(A,X)090-16
CAP**3017A**	0.98	0.98	58CV(A,X)090-16
CAP**3614A**	0.98	0.98	58CV(A,X)090-16
CAP**3617A**	0.98	0.98	58CV(A,X)090-16
CAP**3621A**	0.98	0.98	58CV(A,X)090-16
CNPH*2417A**	0.97	0.97	58CV(A,X)090-16
CNPH*3017A**	0.98	0.98	58CV(A,X)090-16
CNPH*3617A**	0.98	0.98	58CV(A,X)090-16
CNPV*2414A**	0.97	0.97	58CV(A,X)090-16
CNPV*3014A**	0.97	0.97	58CV(A,X)090-16
CNPV*3617A**	0.97	0.97	58CV(A,X)090-16
CSPH*2412A**	0.98	0.98	58CV(A,X)090-16
CSPH*3012A**	0.98	0.98	58CV(A,X)090-16
CSPH*3612A**	0.99	0.99	58CV(A,X)090-16
CAP**3617A**	0.98	0.98	58CV(A,X)110-20
CAP**3621A**	0.98	0.98	58CV(A,X)110-20
CNPH*2417A**	0.97	0.97	58CV(A,X)110-20
CNPH*3017A**	0.98	0.98	58CV(A,X)110-20
CNPH*3617A**	0.98	0.98	58CV(A,X)110-20
CNPV*3617A**	0.98	0.98	58CV(A,X)110-20
CNPV*3621A**	0.98	0.98	58CV(A,X)110-20
CSPH*2412A**	0.98	0.98	58CV(A,X)110-20
CSPH*3012A**	0.98	0.98	58CV(A,X)110-20
CSPH*3612A**	0.99	0.99	58CV(A,X)110-20

Cooling Indoor Model	Capacity	Power	Furnace Model
CAP**3621A**	0.98	0.98	58CV(A,X)135-22
CNPH*2417A**	0.97	0.97	58CV(A,X)135-22
CNPH*3017A**	0.98	0.98	58CV(A,X)135-22
CNPH*3617A**	0.98	0.98	58CV(A,X)135-22
CNPV*3621A**	0.98	0.98	58CV(A,X)135-22
CSPH*2412A**	0.98	0.98	58CV(A,X)135-22
CSPH*3012A**	0.98	0.98	58CV(A,X)135-22
CSPH*3612A**	0.99	0.99	58CV(A,X)135-22
CAP**3621A**	0.98	0.98	58CV(A,X)155-22
CNPH*2417A**	0.97	0.97	58CV(A,X)155-22
CNPH*3017A**	0.98	0.98	58CV(A,X)155-22
CNPH*3617A**	0.98	0.98	58CV(A,X)155-22
CNPV*3621A**	0.98	0.98	58CV(A,X)155-22
CSPH*2412A**	0.98	0.98	58CV(A,X)155-22
CSPH*3012A**	0.98	0.98	58CV(A,X)155-22
CSPH*3612A**	0.99	0.99	58CV(A,X)155-22
CAP**3621A**	0.98	0.98	58MVB040-14
CNPH*2417A**	0.97	0.97	58MVB040-14
CNPH*3017A**	0.98	0.98	58MVB040-14
CNPH*3617A**	0.98	0.98	58MVB040-14
CNPV*3621A**	0.98	0.98	58MVB040-14
CSPH*2412A**	0.98	0.98	58MVB040-14
CSPH*3012A**	0.98	0.98	58MVB040-14
CSPH*3612A**	0.99	0.99	58MVB040-14
CAP**2417A**	0.97	0.97	58MVB060-14
CAP**3017A**	0.98	0.98	58MVB060-14
CAP**3614A**	0.98	0.98	58MVB060-14
CAP**3617A**	0.98	0.98	58MVB060-14
CAP**3621A**	0.98	0.98	58MVB060-14
CNPH*2417A**	0.97	0.97	58MVB060-14
CNPH*3017A**	0.98	0.98	58MVB060-14
CNPH*3617A**	0.98	0.98	58MVB060-14
CNPV*2417A**	0.97	0.97	58MVB060-14
CNPV*3017A**	0.98	0.98	58MVB060-14
CNPV*3617A**	0.98	0.98	58MVB060-14
CNPV*3621A**	0.98	0.98	58MVB060-14
CSPH*2412A**	0.98	0.98	58MVB060-14
CSPH*3012A**	0.98	0.98	58MVB060-14
CSPH*3612A**	0.98	0.98	58MVB060-14
CAP**3617A**	0.98	0.98	58MVB080-14
CAP**3621A**	0.98	0.98	58MVB080-14
CNPH*2417A**	0.97	0.97	58MVB080-14
CNPH*3017A**	0.98	0.98	58MVB080-14
CNPH*3617A**	0.98	0.98	58MVB080-14
CNPV*3617A**	0.98	0.98	58MVB080-14
CNPV*3621A**	0.98	0.98	58MVB080-14
CSPH*2412A**	0.98	0.98	58MVB080-14
CSPH*3012A**	0.98	0.98	58MVB080-14
CSPH*3612A**	0.98	0.98	58MVB080-14
CAP**3617A**	0.98	0.98	58MVB080-20
CAP**3621A**	0.98	0.98	58MVB080-20
CNPH*2417A**	0.97	0.97	58MVB080-20
CNPH*3017A**	0.98	0.98	58MVB080-20
CNPH*3617A**	0.98	0.98	58MVB080-20
CNPV*3621A**	0.98	0.98	58MVB080-20
CSPH*2412A**	0.98	0.98	58MVB080-20
CSPH*3012A**	0.98	0.98	58MVB080-20
CSPH*3612A**	0.96	0.96	58MVB080-20
CAP**3617A**	0.98	0.98	58MVB100-20
CAP**3621A**	0.98	0.98	58MVB100-20
CNPH*2417A**	0.97	0.97	58MVB100-20
CNPH*3017A**	0.98	0.98	58MVB100-20
CNPH*3617A**	0.98	0.98	58MVB100-20
CNPV*3617A**	0.98	0.98	58MVB100-20
CNPV*3621A**	0.98	0.98	58MVB100-20
CSPH*2412A**	0.98	0.98	58MVB100-20
CSPH*3012A**	0.98	0.98	58MVB100-20
CSPH*3612A**	0.99	0.99	58MVB100-20
CAP**3621A**	0.98	0.98	58MVB120-20
CNPH*2417A**	0.97	0.97	58MVB120-20
CNPH*3017A**	0.97	0.97	58MVB120-20
CNPH*3617A**	0.97	0.97	58MVB120-20
CNPV*3621A**	0.98	0.98	58MVB120-20
CSPH*2412A**	0.97	0.97	58MVB120-20
CSPH*3012A**	0.98	0.98	58MVB120-20
CSPH*3612A**	0.98	0.98	58MVB120-20

24APA5

See notes on pg. 28

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75				85				95				105			115		
		CFM	EWB	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	
Total	Sens ‡			Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡					
24APA530A30 Outdoor Section With CAP*3617A Indoor Section																			
875	72	35.47	18.63	1.90	33.92	18.04	2.11	32.29	17.42	2.35	30.55	16.77	2.61	28.68	16.08	2.90			
	67	32.24	22.79	1.89	30.81	22.19	2.10	29.30	21.56	2.34	27.69	20.90	2.60	25.97	20.20	2.89			
	62	29.41	26.95	1.88	28.12	26.33	2.10	26.77	25.68	2.33	25.35	24.97	2.59	23.97	23.97	2.88			
1000	57	28.58	28.58	1.88	27.54	27.54	2.10	26.44	26.44	2.33	25.26	25.26	2.59	23.97	23.97	2.88			
	72	36.14	19.55	1.94	34.52	18.95	2.15	32.82	18.32	2.39	31.01	17.66	2.65	29.07	16.96	2.94			
	67	32.85	24.24	1.93	31.35	23.63	2.15	29.79	22.99	2.38	28.12	22.33	2.64	26.34	21.62	2.93			
	62	30.11	28.92	1.93	28.80	28.26	2.14	27.49	27.49	2.38	26.23	26.23	2.64	24.86	24.86	2.92			
1125	57	29.79	29.79	1.92	28.68	28.68	2.14	27.50	27.50	2.38	26.24	26.24	2.64	24.86	24.86	2.92			
	72	36.63	20.40	1.98	34.96	19.79	2.20	33.20	19.16	2.43	31.34	18.49	2.69	29.34	17.78	2.98			
	67	33.30	25.62	1.97	31.77	25.00	2.19	30.15	24.36	2.42	28.45	23.68	2.68	26.63	22.96	2.97			
	62	30.75	30.75	1.97	29.62	29.62	2.18	28.37	28.37	2.42	27.04	27.04	2.68	25.59	25.59	2.97			
	57	30.79	30.79	1.97	29.62	29.62	2.18	28.37	28.37	2.42	27.04	27.04	2.68	25.59	25.59	2.97			

24APA5

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAP**3617A**	1.00	1.00	58MVB060-14
CAP**3014A**	0.97	1.01	
CAP**3017A**	0.97	1.01	
CAP**3614A**	0.97	1.01	
CAP**3617A**	0.97	1.01	
CAP**3621A**	0.97	1.01	
CAP**4221A**	0.98	1.02	
CAP**4224A**	0.98	1.02	
CNPF*3618A**	0.97	1.01	
CNPF*3017A**	0.97	1.01	
CNPF*3617A**	0.97	1.01	
CNPF*4221A**	0.98	1.02	
CNPV*3014A**	0.97	1.01	
CNPV*3017A**	0.97	1.01	
CNPV*3617A**	0.97	1.01	
CNPV*3621A**	0.97	1.01	
CNPV*4221A**	0.98	1.02	
CSPH*3012A**	0.97	1.01	
CSPH*3612A**	0.99	1.03	
CSPH*4212A**	0.99	1.03	
FE4ANF002	0.98	0.94	
FE4ANF003	0.99	0.95	
FE4ANF005	1.01	0.96	
FE5ANB004	1.02	0.97	
FF1ENP030	0.95	1.00	
FF1ENP036	0.97	1.01	
FV4BNF002	0.98	0.94	
FV4BNF003	0.99	0.95	
FV4BNF005	1.01	1.01	
FX4CN(B,F)036	0.98	0.97	
FX4CN(B,F)042	0.99	0.99	
FX4CNF030	0.97	0.97	
FY4ANF030	0.96	1.00	
FY4ANF036	0.97	1.02	
CAP**3014A**	0.97	0.95	58CV(A,X)070-12
CAP**3614A**	0.97	0.94	58CV(A,X)070-12
CNPH*3017A**	0.97	0.94	58CV(A,X)070-12
CNPH*3617A**	0.97	0.94	58CV(A,X)070-12
CNPH*4221A**	0.99	0.95	58CV(A,X)070-12
CNPV*3014A**	0.97	0.95	58CV(A,X)070-12
CSPH*3012A**	0.98	0.95	58CV(A,X)070-12
CSPH*3612A**	0.99	0.96	58CV(A,X)070-12
CSPH*4212A**	0.99	0.96	58CV(A,X)070-12
CAP**3017A**	0.97	0.94	58CV(A,X)090-16
CAP**3617A**	1.00	0.96	58CV(A,X)090-16
CAP**3617A**	0.98	0.94	58CV(A,X)090-16
CAP**4221A**	0.99	0.95	58CV(A,X)090-16
CNPH*3017A**	0.97	0.94	58CV(A,X)090-16
CNPH*3617A**	0.97	0.94	58CV(A,X)090-16
CNPH*4221A**	0.99	0.95	58CV(A,X)090-16
CNPV*3017A**	0.97	0.94	58CV(A,X)090-16
CNPV*3617A**	0.97	0.94	58CV(A,X)090-16
CNPV*4221A**	0.99	0.95	58CV(A,X)090-16
CSPH*3012A**	0.98	0.94	58CV(A,X)090-16
CSPH*3612A**	-0.01	-0.01	58CV(A,X)090-16
CSPH*4212A**	1.00	0.96	58CV(A,X)090-16
CAP**3621A**	0.98	0.94	58CV(A,X)110-20
CAP**4221A**	0.99	0.95	58CV(A,X)110-20
CAP**4224A**	0.99	0.95	58CV(A,X)110-20
CNPH*3017A**	0.98	0.94	58CV(A,X)110-20
CNPH*3617A**	0.98	0.94	58CV(A,X)110-20
CNPH*4221A**	0.99	0.95	58CV(A,X)110-20
CNPV*3621A**	0.98	0.94	58CV(A,X)110-20
CNPV*4221A**	0.99	0.95	58CV(A,X)110-20
CSPH*3012A**	0.98	0.94	58CV(A,X)110-20
CSPH*3612A**	0.99	0.96	58CV(A,X)110-20
CSPH*4212A**	1.00	0.96	58CV(A,X)110-20
CAP**4221A**	0.99	0.95	58CV(A,X)135-22
CAP**4224A**	0.99	0.95	58CV(A,X)135-22
CNPH*3017A**	0.98	0.94	58CV(A,X)135-22
CNPH*3617A**	0.98	0.94	58CV(A,X)135-22
CNPH*4221A**	0.99	0.93	58CV(A,X)135-22
CNPV*4221A**	0.99	0.93	58CV(A,X)135-22
CSPH*3012A**	0.98	0.94	58CV(A,X)135-22
CSPH*3612A**	0.99	0.96	58CV(A,X)135-22
CSPH*4212A**	1.00	0.96	58CV(A,X)135-22

Cooling Indoor Model	Capacity	Power	Furnace Model
CAP**4221A**	0.99	0.95	58CV(A,X)155-22
CAP**4224A**	0.99	0.95	58CV(A,X)155-22
CNPH*3017A**	0.98	0.94	58CV(A,X)155-22
CNPH*3617A**	0.98	0.94	58CV(A,X)155-22
CNPH*4221A**	0.99	0.94	58CV(A,X)155-22
CNPV*4221A**	0.99	0.94	58CV(A,X)155-22
CSPH*3012A**	0.98	0.94	58CV(A,X)155-22
CSPH*3612A**	0.99	0.96	58CV(A,X)155-22
CSPH*4212A**	1.00	0.96	58CV(A,X)155-22
CAP**4221A**	0.98	0.94	58MVB040-14
CAP**4224A**	0.98	0.94	58MVB040-14
CNPH*3017A**	0.97	0.94	58MVB040-14
CNPH*3617A**	0.97	0.94	58MVB040-14
CNPH*4221A**	0.99	0.95	58MVB040-14
CNPV*4221A**	0.99	0.95	58MVB040-14
CSPH*3012A**	0.98	0.95	58MVB040-14
CSPH*3612A**	0.99	0.96	58MVB040-14
CSPH*4212A**	0.99	0.96	58MVB040-14
CAP**3017A**	0.97	0.94	58MVB060-14
CAP**3617A**	0.97	0.94	58MVB060-14
CAP**4221A**	0.98	0.94	58MVB060-14
CNPH*3017A**	0.97	0.94	58MVB060-14
CNPH*3617A**	0.97	0.94	58MVB060-14
CNPH*4221A**	0.99	0.95	58MVB060-14
CNPV*3017A**	0.97	0.94	58MVB060-14
CNPV*3617A**	0.97	0.94	58MVB060-14
CNPV*4221A**	0.99	0.95	58MVB060-14
CSPH*3012A**	0.98	0.95	58MVB060-14
CSPH*3612A**	0.99	0.96	58MVB060-14
CSPH*4212A**	0.99	0.96	58MVB060-14
CAP**3621A**	0.98	0.94	58MVB080-14
CAP**4221A**	0.99	0.95	58MVB080-14
CAP**4224A**	0.99	0.95	58MVB080-14
CNPH*3017A**	0.97	0.94	58MVB080-14
CNPH*3617A**	0.97	0.94	58MVB080-14
CNPH*4221A**	0.99	0.95	58MVB080-14
CNPV*3621A**	0.97	0.94	58MVB080-14
CNPV*4221A**	0.99	0.95	58MVB080-14
CSPH*3012A**	0.98	0.95	58MVB080-14
CSPH*3612A**	0.99	0.96	58MVB080-14
CSPH*4212A**	1.00	0.96	58MVB080-14
CAP**3621A**	0.98	0.94	58MVB080-20
CAP**4221A**	0.98	0.94	58MVB080-20
CAP**4224A**	0.98	0.94	58MVB080-20
CNPH*3017A**	0.97	0.94	58MVB080-20
CNPH*3617A**	0.97	0.94	58MVB080-20
CNPH*4221A**	0.99	0.95	58MVB080-20
CNPV*3621A**	0.97	0.94	58MVB080-20
CNPV*4221A**	0.99	0.95	58MVB080-20
CSPH*3012A**	0.98	0.94	58MVB080-20
CSPH*3612A**	0.99	0.96	58MVB080-20
CSPH*4212A**	1.00	0.96	58MVB080-20
CAP**3621A**	0.98	0.94	58MVB100-20
CAP**4221A**	0.99	0.95	58MVB100-20
CAP**4224A**	0.99	0.95	58MVB100-20
CNPH*3017A**	0.97	0.94	58MVB100-20
CNPH*3617A**	0.97	0.94	58MVB100-20
CNPH*4221A**	0.99	0.95	58MVB100-20
CNPV*4221A**	0.99	0.95	58MVB100-20
CSPH*3012A**	0.98	0.94	58MVB100-20
CSPH*3612A**	0.99	0.96	58MVB100-20
CSPH*4212A**	1.00	0.96	58MVB100-20
CAP**4221A**	0.98	0.94	58MVB120-20
CAP**4224A**	0.98	0.94	58MVB120-20
CNPH*3017A**	0.97	0.94	58MVB120-20
CNPH*3617A**	0.97	0.94	58MVB120-20
CNPH*4221A**	0.99	0.95	58MVB120-20
CNPV*4221A**	0.99	0.95	58MVB120-20
CSPH*3012A**	0.98	0.94	58MVB120-20
CSPH*3612A**	0.99	0.96	58MVB120-20
CSPH*4212A**	0.99	0.96	58MVB120-20

See notes on pg. 28

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																							
		75				85				95				105				115				125			
		CFM	EW B	Capacity MBtu/h†		Total System KW* ‡	Capacity MBtu/h†		Total System KW* ‡	Capacity MBtu/h†		Total System KW* ‡	Capacity MBtu/h†		Total System KW* ‡	Capacity MBtu/h†		Total System KW* ‡	Capacity MBtu/h†		Total System KW* ‡				
Total	Sens ‡			Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡					
24APA536A30 Outdoor Section With CAP**4221A** Indoor Section																									
1050	72	43.05	22.61	2.29	41.10	21.86	2.53	39.01	21.07	2.80	36.79	20.24	3.10	34.38	19.36	3.42	31.71	18.39	3.77						
	67	39.26	27.71	2.27	37.46	26.95	2.52	35.55	26.15	2.79	33.51	25.31	3.08	31.32	24.43	3.41	28.89	23.45	3.75						
	62	35.89	32.79	2.27	34.28	32.02	2.51	32.59	31.20	2.78	30.80	30.30	3.07	29.05	29.05	3.39	27.2	27.2	3.74						
	57	34.88	34.88	2.26	33.58	33.58	2.51	32.19	32.19	2.78	30.69	30.69	3.07	29.05	29.05	3.39	27.2	27.2	3.74						
1200	72	43.78	23.67	2.34	41.74	22.91	2.59	39.57	22.11	2.86	37.26	21.26	3.15	34.76	20.36	3.48	32	19.38	3.82						
	67	39.94	29.42	2.33	38.07	28.64	2.57	36.08	27.84	2.84	33.97	26.99	3.14	31.70	26.09	3.46	29.2	25.09	3.81						
	62	36.70	35.13	2.32	35.06	34.30	2.56	33.38	33.38	2.83	31.80	31.80	3.13	30.05	30.05	3.45	28.07	28.07	3.8						
	57	36.29	36.29	2.32	34.90	34.90	2.56	33.41	33.41	2.83	31.80	31.80	3.13	30.05	30.05	3.45	28.07	28.07	3.8						
1350	72	44.31	24.66	2.40	42.20	23.89	2.64	39.96	23.07	2.91	37.58	22.22	3.21	35.01	21.31	3.53	32.17	20.31	3.88						
	67	40.44	31.02	2.38	38.51	30.25	2.63	36.47	29.44	2.90	34.30	28.58	3.19	31.98	27.65	3.52	29.43	26.63	3.86						
	62	37.47	37.22	2.38	35.98	35.98	2.62	34.41	34.41	2.89	32.70	32.70	3.19	30.85	30.85	3.51	28.76	28.76	3.86						
	57	37.46	37.46	2.38	35.99	35.99	2.62	34.41	34.41	2.89	32.71	32.71	3.19	30.85	30.85	3.51	28.77	28.77	3.86						

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAP**4221A**	1.00	1.00	58MVP100-20
CAP**3614A**	0.97	1.04	
CAP**3617A**	0.97	1.05	
CAP**3621A**	0.97	1.05	
CAP**4221A**	0.98	1.05	
CAP**4224A**	0.98	1.05	
CAP**4817A**	1.00	1.07	
CAP**4821A**	0.99	1.06	
CAP**4824A**	0.99	1.06	
CNPF*3618A**	0.97	1.05	
CNPF*4818A**	0.99	1.06	
CNPH*3617A**	0.97	1.05	
CNPH*4221A**	0.98	1.05	
CNPH*4821A**	0.99	1.06	
CNPV*3617A**	0.97	1.05	
CNPV*3621A**	0.97	1.05	
CNPV*4221A**	0.98	1.05	
CNPV*4821A**	0.99	1.06	
CNPV*4824A**	0.99	1.06	
CSPH*3612A**	1.00	1.07	
CSPH*4212A**	1.01	1.08	
CSPH*4812A**	1.01	1.08	
FE4ANB006	1.02	1.00	
FE4ANF002	0.97	1.00	
FE4ANF003	0.98	0.97	
FE4ANF005	1.01	0.98	
FE5ANB004	1.02	0.99	
FF1ENP036	0.98	1.05	
FV4BNB006	1.02	1.00	
FV4BNF002	0.97	1.00	
FV4BNF003	0.98	0.97	
FV4BNF005	1.01	0.98	
FX4CN(B,F)036	0.98	1.01	
FX4CN(B,F)042	1.00	1.03	
FX4CN(B,F)048	1.01	1.04	
FY4ANF036	0.97	1.07	
FY4ANF042	0.99	1.06	
FY4ANF048	1.01	1.08	
CAP**3614A**	0.97	0.99	58CV(A,X)070-12
CAP**4817A**	0.99	0.98	58CV(A,X)070-12
CNPH*3617A**	0.97	0.99	58CV(A,X)070-12
CNPH*4221A**	0.98	0.97	58CV(A,X)070-12
CNPH*4821A**	0.99	0.98	58CV(A,X)070-12
CSPH*3612A**	0.99	0.98	58CV(A,X)070-12
CSPH*4212A**	0.99	0.98	58CV(A,X)070-12
CSPH*4812A**	1.00	0.99	58CV(A,X)070-12
CAP**3617A**	0.97	0.97	58CV(A,X)090-16
CAP**4817A**	0.99	0.98	58CV(A,X)090-16
CAP**4821A**	0.99	0.98	58CV(A,X)090-16
CNPH*3617A**	0.97	0.97	58CV(A,X)090-16
CNPH*4221A**	0.98	0.97	58CV(A,X)090-16
CNPH*4821A**	0.99	0.98	58CV(A,X)090-16
CNPV*3617A**	0.97	0.97	58CV(A,X)090-16
CNPV*4821A**	0.99	0.98	58CV(A,X)090-16
CSPH*3612A**	0.99	0.98	58CV(A,X)090-16
CSPH*4212A**	1.00	0.99	58CV(A,X)090-16
CSPH*4812A**	1.00	0.99	58CV(A,X)090-16
CAP**3621A**	0.97	0.96	58CV(A,X)110-20
CAP**4221A**	0.98	0.97	58CV(A,X)110-20
CAP**4817A**	1.00	0.99	58CV(A,X)110-20
CAP**4821A**	0.99	0.98	58CV(A,X)110-20
CAP**4824A**	0.99	0.98	58CV(A,X)110-20
CNPH*3617A**	0.97	0.98	58CV(A,X)110-20
CNPH*4221A**	0.98	0.97	58CV(A,X)110-20
CNPH*4821A**	0.99	0.98	58CV(A,X)110-20
CNPV*3621A**	0.97	0.98	58CV(A,X)110-20
CNPV*4221A**	0.98	0.97	58CV(A,X)110-20
CNPV*4821A**	0.99	0.98	58CV(A,X)110-20
CNPV*4824A**	0.99	0.98	58CV(A,X)110-20

Cooling Indoor Model	Capacity	Power	Furnace Model
CSPH*3612A**	0.99	0.98	58CV(A,X)110-20
CSPH*4212A**	1.00	0.99	58CV(A,X)110-20
CSPH*4812A**	1.01	0.99	58CV(A,X)110-20
CAP**4224A**	0.98	0.97	58CV(A,X)135-22
CAP**4821A**	0.99	0.98	58CV(A,X)135-22
CAP**4824A**	0.99	0.98	58CV(A,X)135-22
CNPH*3617A**	0.97	0.97	58CV(A,X)135-22
CNPH*4221A**	0.98	0.97	58CV(A,X)135-22
CNPH*4821A**	0.99	0.98	58CV(A,X)135-22
CNPV*4821A**	0.99	0.98	58CV(A,X)135-22
CNPV*4824A**	0.99	0.98	58CV(A,X)135-22
CSPH*3612A**	0.99	0.98	58CV(A,X)135-22
CSPH*4212A**	1.00	0.99	58CV(A,X)135-22
CSPH*4812A**	1.01	0.99	58CV(A,X)135-22
CAP**4224A**	0.98	0.97	58CV(A,X)155-22
CAP**4821A**	0.99	0.98	58CV(A,X)155-22
CAP**4824A**	0.99	0.98	58CV(A,X)155-22
CNPH*3617A**	0.97	0.97	58CV(A,X)155-22
CNPH*4221A**	0.98	0.97	58CV(A,X)155-22
CNPH*4821A**	0.99	0.98	58CV(A,X)155-22
CNPV*4821A**	0.99	0.98	58CV(A,X)155-22
CNPV*4824A**	0.99	0.98	58CV(A,X)155-22
CSPH*3612A**	0.99	0.98	58CV(A,X)155-22
CSPH*4212A**	1.01	0.99	58CV(A,X)155-22
CSPH*4812A**	1.01	0.99	58CV(A,X)155-22
CAP**4224A**	0.97	0.97	58MVB040-14
CAP**4821A**	0.98	0.98	58MVB040-14
CAP**4824A**	0.98	0.98	58MVB040-14
CNPH*3617A**	0.96	0.99	58MVB040-14
CNPH*4221A**	0.98	0.97	58MVB040-14
CNPH*4821A**	0.99	0.98	58MVB040-14
CNPV*4821A**	0.99	0.98	58MVB040-14
CNPV*4824A**	0.99	0.98	58MVB040-14
CSPH*3612A**	0.99	0.99	58MVB040-14
CSPH*4212A**	0.99	0.99	58MVB040-14
CSPH*4812A**	1.00	0.99	58MVB040-14
CAP**3617A**	0.97	0.97	58MVB060-14
CAP**4817A**	0.99	0.98	58MVB060-14
CAP**4821A**	0.99	0.98	58MVB060-14
CNPH*3617A**	0.97	0.98	58MVB060-14
CNPH*4221A**	0.98	0.97	58MVB060-14
CNPH*4821A**	0.99	0.98	58MVB060-14
CNPV*3617A**	0.97	0.98	58MVB060-14
CNPV*4821A**	0.99	0.98	58MVB060-14
CSPH*3612A**	0.99	0.98	58MVB060-14
CSPH*4212A**	0.99	0.98	58MVB060-14
CSPH*4812A**	1.00	0.99	58MVB060-14
CAP**3621A**	0.97	0.99	58MVB080-14
CAP**4221A**	0.97	0.98	58MVB080-14
CAP**4817A**	0.99	0.98	58MVB080-14
CAP**4821A**	0.98	0.98	58MVB080-14
CAP**4824A**	0.98	0.98	58MVB080-14
CNPH*3617A**	0.96	0.99	58MVB080-14
CNPH*4221A**	0.98	0.97	58MVB080-14
CNPH*4821A**	0.99	0.98	58MVB080-14
CNPV*3621A**	0.96	0.99	58MVB080-14
CNPV*4221A**	0.98	0.97	58MVB080-14
CNPV*4821A**	0.99	0.98	58MVB080-14
CNPV*4824A**	0.99	0.98	58MVB080-14
CSPH*3612A**	0.99	1.02	58MVB080-14
CSPH*4212A**	0.99	0.99	58MVB080-14
CSPH*4812A**	0.99	0.99	58MVB080-14
CAP**3621A**	0.97	0.97	58MVB080-20
CAP**4221A**	0.98	0.98	58MVB080-20
CAP**4817A**	0.99	0.98	58MVB080-20
CAP**4821A**	0.99	0.98	58MVB080-20
CAP**4824A**	0.99	0.98	58MVB080-20
CNPH*3617A**	0.97	0.99	58MVB080-20
CNPH*4221A**	0.98	0.97	58MVB080-20

24APA5

Cooling Indoor Model	Capacity	Power	Furnace Model
CNPH*4821A**	0.99	0.98	58MVB080-20
CNPV*3621A**	0.97	0.99	58MVB080-20
CNPV*4221A**	0.98	0.97	58MVB080-20
CNPV*4821A**	0.99	0.98	58MVB080-20
CNPV*4824A**	0.99	0.98	58MVB080-20
CSPH*3612A**	0.99	0.98	58MVB080-20
CSPH*4212A**	0.99	0.98	58MVB080-20
CSPH*4812A**	1.00	0.99	58MVB080-20
CAP**3621A**	0.97	0.97	58MVB100-20
CAP**4817A**	0.99	0.98	58MVB100-20
CAP**4821A**	0.99	0.98	58MVB100-20
CAP**4824A**	0.99	0.98	58MVB100-20
CNPH*3617A**	0.97	0.98	58MVB100-20
CNPH*4221A**	0.98	0.97	58MVB100-20
CNPH*4821A**	0.99	0.98	58MVB100-20
CNPV*3621A**	0.97	0.98	58MVB100-20
CNPV*4221A**	0.98	0.97	58MVB100-20
CNPV*4821A**	0.99	0.98	58MVB100-20
CNPV*4824A**	0.99	0.98	58MVB100-20
CSPH*3612A**	0.99	0.98	58MVB100-20
CSPH*4212A**	1.00	0.99	58MVB100-20
CSPH*4812A**	1.00	0.99	58MVB100-20
CAP**4224A**	0.98	0.97	58MVB120-20
CAP**4821A**	0.99	0.98	58MVB120-20
CAP**4824A**	0.99	0.98	58MVB120-20
CNPH*3617A**	0.97	0.98	58MVB120-20
CNPH*4221A**	0.98	0.97	58MVB120-20
CNPH*4821A**	0.99	0.98	58MVB120-20
CNPV*4821A**	0.99	0.98	58MVB120-20
CNPV*4824A**	0.99	0.98	58MVB120-20
CSPH*3612A**	0.99	0.98	58MVB120-20
CSPH*4212A**	0.99	0.98	58MVB120-20
CSPH*4812A**	1.00	0.99	58MVB120-20

See notes on pg. 28

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																							
		75				85				95				105				115				125			
		CFM	EWB	Capacity MBtu/h†		Total System KW*‡	Capacity MBtu/h†		Total System KW*‡	Capacity MBtu/h†		Total System KW*‡	Capacity MBtu/h†		Total System KW*‡	Capacity MBtu/h†		Total System KW*‡	Capacity MBtu/h†		Total System KW*‡				
Total	Sens ‡			Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡					
24APAS42A30 Outdoor Section With CAP**4821A** Indoor Section																									
1225	72	49.75	25.99	2.80	47.44	25.10	3.09	44.97	24.17	3.40	42.34	23.18	3.74	39.48	22.13	4.11	36.30	20.97	4.50						
	67	45.37	31.78	2.76	43.26	30.88	3.04	41.02	29.94	3.35	38.62	28.95	3.69	36.02	27.90	4.06	33.14	26.75	4.46						
	62	41.42	37.53	2.72	39.52	36.62	3.00	37.52	35.67	3.31	35.41	34.63	3.65	33.29	33.29	4.02	31.12	31.12	4.43						
	57	40.06	40.06	2.70	38.56	38.56	2.99	36.95	36.95	3.30	35.20	35.20	3.64	33.29	33.29	4.02	31.13	31.13	4.43						
1400	72	50.67	27.24	2.88	48.24	26.33	3.16	45.66	25.37	3.47	42.92	24.37	3.81	39.94	23.30	4.18	36.64	22.13	4.58						
	67	46.24	33.78	2.83	44.02	32.86	3.11	41.67	31.90	3.42	39.16	30.89	3.76	36.47	29.82	4.13	33.49	28.65	4.53						
	62	42.36	40.26	2.79	40.41	39.30	3.07	38.41	38.22	3.38	36.51	36.51	3.73	34.45	34.45	4.10	32.13	32.13	4.51						
	57	41.75	41.75	2.79	40.13	40.13	3.07	38.39	38.39	3.38	36.52	36.52	3.73	34.46	34.46	4.10	32.13	32.13	4.51						
1575	72	51.35	28.41	2.95	48.82	27.49	3.23	46.15	26.52	3.54	43.32	25.50	3.88	40.26	24.41	4.25	36.86	23.23	4.65						
	67	46.87	35.67	2.91	44.56	34.73	3.19	42.14	33.77	3.50	39.56	32.75	3.83	36.79	31.65	4.20	33.74	30.44	4.60						
	62	43.21	42.73	2.87	41.39	41.39	3.15	39.55	39.55	3.47	37.55	37.55	3.81	35.37	35.37	4.18	32.91	32.91	4.59						
	57	43.12	43.12	2.87	41.40	41.40	3.15	39.55	39.55	3.47	37.56	37.56	3.81	35.37	35.37	4.18	32.91	32.91	4.59						

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAP**4821A**	0.99	0.96	58CV(A,X)110-20
CAP**4221A**	0.98	1.03	
CAP**4224A**	0.98	1.03	
CAP**4817A**	1.00	1.03	
CAP**4821A**	1.00	1.04	
CAP**4824A**	1.00	1.04	
CAP**6021A**	1.01	1.04	
CAP**6024A**	1.01	1.04	
CNPF*4818A**	0.99	1.03	
CNPH*4221A**	0.99	1.04	
CNPH*4821A**	1.00	1.04	
CNPH*6024A**	1.01	1.04	
CNPV*4221A**	0.99	1.04	
CNPV*4821A**	1.00	1.04	
CNPV*4824A**	1.00	1.04	
CNPV*6024A**	1.01	1.04	
CSPH*4212A**	1.00	1.03	
CSPH*4812A**	1.01	1.04	
CSPH*6012A**	1.02	1.05	
FE4ANF003	0.98	0.95	
FE4ANF005	1.01	0.96	
FE5ANB004	1.02	0.97	
FV4BNF003	0.98	0.95	
FV4BNF005	1.01	0.96	
FX4CN(B,F)042	1.00	0.99	
FX4CN(B,F)048	1.02	0.98	
FY4ANF042	0.99	1.05	
FY4ANF048	1.01	1.05	
CNPH*4221A**	0.98	0.97	58CV(A,X)070-12
CNPH*4821A**	0.99	0.98	58CV(A,X)070-12
CNPH*6024A**	1.00	0.98	58CV(A,X)070-12
CSPH*4212A**	0.99	0.98	58CV(A,X)070-12
CSPH*4812A**	1.00	0.99	58CV(A,X)070-12
CSPH*6012A**	1.01	0.99	58CV(A,X)070-12
CAP**4817A**	1.00	0.97	58CV(A,X)090-16
CAP**6021A**	1.01	0.96	58CV(A,X)090-16
CNPH*4221A**	0.98	0.95	58CV(A,X)090-16
CNPH*4821A**	0.99	0.95	58CV(A,X)090-16
CNPH*6024A**	1.01	0.97	58CV(A,X)090-16
CSPH*4212A**	1.00	0.97	58CV(A,X)090-16
CSPH*4812A**	1.00	0.96	58CV(A,X)090-16
CSPH*6012A**	1.01	0.96	58CV(A,X)090-16
CAP**4221A**	0.98	0.96	58CV(A,X)110-20
CAP**6021A**	1.01	0.96	58CV(A,X)110-20
CAP**6024A**	1.01	0.96	58CV(A,X)110-20
CNPH*4221A**	0.99	0.95	58CV(A,X)110-20
CNPH*4821A**	1.00	0.96	58CV(A,X)110-20
CNPH*6024A**	1.01	0.96	58CV(A,X)110-20
CNPV*4221A**	0.99	0.95	58CV(A,X)110-20
CNPV*4821A**	1.00	0.96	58CV(A,X)110-20
CNPV*6024A**	1.01	0.96	58CV(A,X)110-20
CSPH*4212A**	1.00	0.97	58CV(A,X)110-20
CSPH*4812A**	1.00	0.96	58CV(A,X)110-20
CSPH*6012A**	1.01	0.96	58CV(A,X)110-20
CAP**4224A**	0.98	0.94	58CV(A,X)135-22
CAP**4824A**	0.99	0.94	58CV(A,X)135-22
CAP**6021A**	1.01	0.96	58CV(A,X)135-22
CAP**6024A**	1.01	0.96	58CV(A,X)135-22
CNPH*4221A**	0.99	0.94	58CV(A,X)135-22
CNPH*4821A**	1.00	0.95	58CV(A,X)135-22
CNPH*6024A**	1.01	0.96	58CV(A,X)135-22
CNPV*4824A**	1.00	0.95	58CV(A,X)135-22
CNPV*6024A**	1.01	0.96	58CV(A,X)135-22
CSPH*4212A**	1.00	0.96	58CV(A,X)135-22
CSPH*4812A**	1.00	0.95	58CV(A,X)135-22
CSPH*6012A**	1.01	0.96	58CV(A,X)135-22
CAP**4224A**	0.98	0.94	58CV(A,X)155-22
CAP**4824A**	0.99	0.94	58CV(A,X)155-22
CAP**6021A**	1.01	0.96	58CV(A,X)155-22
CAP**6024A**	1.01	0.96	58CV(A,X)155-22
CNPH*4221A**	0.99	0.94	58CV(A,X)155-22
CNPH*4821A**	1.00	0.95	58CV(A,X)155-22
CNPH*6024A**	1.01	0.96	58CV(A,X)155-22
CNPV*4824A**	1.00	0.95	58CV(A,X)155-22

Cooling Indoor Model	Capacity	Power	Furnace Model
CNPV*6024A**	1.01	0.96	58CV(A,X)155-22
CSPH*4212A**	1.00	0.95	58CV(A,X)155-22
CSPH*4812A**	1.00	0.95	58CV(A,X)155-22
CSPH*6012A**	1.01	0.96	58CV(A,X)155-22
CAP**4224A**	0.96	0.97	58MVB040-14
CAP**4824A**	0.99	0.98	58MVB040-14
CAP**6021A**	1.00	0.97	58MVB040-14
CAP**6024A**	1.00	0.98	58MVB040-14
CNPH*4221A**	0.98	0.96	58MVB040-14
CNPH*4821A**	0.99	0.98	58MVB040-14
CNPH*6024A**	1.00	0.97	58MVB040-14
CNPV*4824A**	1.00	0.98	58MVB040-14
CSPH*4212A**	0.99	0.98	58MVB040-14
CSPH*4812A**	0.99	0.98	58MVB040-14
CSPH*6012A**	1.00	0.97	58MVB040-14
CAP**4817A**	0.99	0.97	58MVB060-14
CAP**6021A**	1.00	0.96	58MVB060-14
CNPH*4221A**	0.98	0.95	58MVB060-14
CNPH*4821A**	0.99	0.96	58MVB060-14
CNPH*6024A**	1.00	0.96	58MVB060-14
CSPH*4212A**	0.99	0.97	58MVB060-14
CSPH*4812A**	1.00	0.98	58MVB060-14
CSPH*6012A**	1.01	0.97	58MVB060-14
CAP**4221A**	0.96	0.97	58MVB080-14
CAP**4821A**	0.99	0.98	58MVB080-14
CAP**6021A**	1.00	0.97	58MVB080-14
CAP**6024A**	1.00	0.98	58MVB080-14
CNPH*4221A**	0.98	0.96	58MVB080-14
CNPH*4821A**	0.99	0.98	58MVB080-14
CNPH*6024A**	1.00	0.98	58MVB080-14
CNPV*4821A**	0.99	0.98	58MVB080-14
CNPV*6024A**	1.00	0.98	58MVB080-14
CSPH*4212A**	0.99	0.98	58MVB080-14
CSPH*4812A**	0.99	0.98	58MVB080-14
CSPH*6012A**	1.00	0.98	58MVB080-14
*CAP**4821A**	1.00	1.00	58MVB100-20
CAP**4221A**	0.98	0.96	58MVB100-20
CAP**6024A**	1.01	0.97	58MVB100-20
CNPH*4221A**	0.98	0.95	58MVB100-20
CNPH*4821A**	0.99	0.96	58MVB100-20
CNPH*6024A**	1.01	0.97	58MVB100-20
CNPV*4221A**	0.98	0.95	58MVB100-20
CNPV*4821A**	0.99	0.96	58MVB100-20
CNPV*6024A**	1.01	0.97	58MVB100-20
CSPH*4212A**	1.00	0.98	58MVB100-20
CSPH*4812A**	1.00	0.97	58MVB100-20
CSPH*6012A**	1.01	0.97	58MVB100-20
CAP**4224A**	0.98	0.96	58MVB120-20
CAP**4824A**	0.99	0.96	58MVB120-20
CAP**6021A**	1.01	0.96	58MVB120-20
CAP**6024A**	1.00	0.96	58MVB120-20
CNPH*4221A**	0.98	0.94	58MVB120-20
CNPH*4821A**	0.99	0.96	58MVB120-20
CNPH*6024A**	1.00	0.95	58MVB120-20
CNPV*4824A**	0.99	0.96	58MVB120-20
CNPV*6024A**	1.00	0.95	58MVB120-20
CSPH*4212A**	0.99	0.96	58MVB120-20
CSPH*4812A**	1.00	0.97	58MVB120-20

24APAS

See notes on pg. 28

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																							
		75				85				95				105				115				125			
		CFM	EWB	Capacity MBtu/h†		Total Sys-tem KW* ‡	Capacity MBtu/h†		Total Sys-tem KW* ‡	Capacity MBtu/h†		Total Sys-tem KW* ‡	Capacity MBtu/h†		Total Sys-tem KW* ‡	Capacity MBtu/h†		Total Sys-tem KW* ‡	Capacity MBtu/h†		Total Sys-tem KW* ‡				
Total	Sens ‡			Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡					
24APAS48A30 Outdoor Section With CAP**6024A** Indoor Section																									
1400	72	57.83	30.11	3.14	54.97	29.01	3.53	51.98	27.87	3.96	48.83	26.69	4.42	45.47	25.45	4.90	41.77	24.11	5.42						
	67	52.76	36.76	3.15	50.15	35.65	3.54	47.43	34.51	3.96	44.58	33.33	4.41	41.53	32.10	4.89	38.20	30.76	5.40						
	62	48.16	43.36	3.16	45.83	42.25	3.55	43.41	41.10	3.96	40.89	39.88	4.41	38.37	38.37	4.88	35.87	35.87	5.39						
1600	72	46.43	46.43	3.17	44.60	44.60	3.55	42.66	42.66	3.96	40.60	40.60	4.41	38.37	38.37	4.88	35.87	35.87	5.39						
	67	58.95	31.60	3.21	55.94	30.46	3.60	52.80	29.30	4.03	49.52	28.10	4.49	46.02	26.84	4.98	42.18	25.47	5.49						
	62	53.81	39.13	3.22	51.07	37.99	3.61	48.21	36.82	4.03	45.24	35.62	4.49	42.07	34.36	4.97	38.62	32.99	5.48						
1800	72	49.29	46.60	3.23	46.87	45.42	3.62	44.43	44.14	4.04	42.15	42.15	4.48	39.73	39.73	4.96	37.04	37.04	5.47						
	67	48.46	48.46	3.24	46.47	46.47	3.62	44.38	44.38	4.04	42.15	42.15	4.48	39.73	39.73	4.96	37.04	37.04	5.47						
	62	59.77	32.99	3.27	56.65	31.84	3.67	53.39	30.66	4.10	50.00	29.44	4.56	46.39	28.16	5.05	42.44	26.78	5.56						
1800	72	54.58	41.38	3.29	51.74	40.23	3.68	48.79	39.04	4.11	45.72	37.82	4.56	42.46	36.53	5.04	38.92	35.12	5.55						
	67	50.29	49.58	3.30	48.01	48.01	3.69	45.78	45.78	4.11	43.40	43.40	4.56	40.83	40.83	5.04	37.97	37.97	5.55						
	57	50.14	50.14	3.30	48.02	48.02	3.69	45.78	45.78	4.11	43.40	43.40	4.56	40.83	40.83	5.04	37.97	37.97	5.55						

24APAS

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAP**6024A**	1.00	1.00	58MVB120-20
CAP**4817A**	0.97	1.02	
CAP**4821A**	0.98	1.03	
CAP**4824A**	0.98	1.03	
CAP**6021A**	1.00	1.03	
CAP**6024A**	1.00	1.03	
CNP*4818A**	0.96	1.01	
CNP*4821A**	0.98	1.03	
CNP*4824A**	0.08	0.08	
CNPV*4821A**	0.98	1.03	
CNPV*4824A**	0.98	1.03	
CNPV*6024A**	1.00	1.03	
CSPH*4812A**	0.99	1.04	
CSPH*6012A**	1.00	1.03	
FE4ANB006	1.00	0.95	
FE4ANF005	0.99	0.94	
FV4BNB006	1.00	0.95	
FV4BNF005	0.99	0.94	
FX4CN(B,F)048	1.00	0.98	
FX4CN(B,F)060	1.01	0.96	
FY4ANB060	1.00	1.05	
FY4ANF048	0.99	1.04	
CAP**4817A**	0.97	0.99	58CV(A,X)090-16
CNP*4821A**	0.97	0.99	58CV(A,X)090-16
CNP*6024A**	0.98	0.96	58CV(A,X)090-16
CSPH*4812A**	0.98	1.00	58CV(A,X)090-16
CSPH*6012A**	0.99	0.97	58CV(A,X)090-16
CAP**4821A**	0.97	0.99	58CV(A,X)110-20
CAP**6021A**	0.99	0.97	58CV(A,X)110-20
CNP*4821A**	0.97	0.99	58CV(A,X)110-20
CNP*6024A**	0.99	0.97	58CV(A,X)110-20
CNPV*4821A**	0.97	0.99	58CV(A,X)110-20
CSPH*4812A**	0.98	1.00	58CV(A,X)110-20
CSPH*6012A**	0.99	0.97	58CV(A,X)110-20
CAP**4824A**	0.97	0.95	58CV(A,X)135-22

Cooling Indoor Model	Capacity	Power	Furnace Model
CNP*4821A**	0.97	0.95	58CV(A,X)135-22
CNP*6024A**	0.99	0.94	58CV(A,X)135-22
CNPV*4824A**	0.97	0.95	58CV(A,X)135-22
CNPV*6024A**	0.99	0.94	58CV(A,X)135-22
CSPH*4812A**	0.98	0.96	58CV(A,X)135-22
CSPH*6012A**	0.99	0.94	58CV(A,X)135-22
CAP**4824A**	0.97	0.95	58CV(A,X)155-22
CAP**6024A**	0.99	0.94	58CV(A,X)155-22
CNP*4821A**	0.97	0.95	58CV(A,X)155-22
CNP*6024A**	0.99	0.94	58CV(A,X)155-22
CNPV*4824A**	0.97	0.95	58CV(A,X)155-22
CNPV*6024A**	0.99	0.94	58CV(A,X)155-22
CSPH*4812A**	0.98	0.96	58CV(A,X)155-22
CSPH*6012A**	1.00	0.95	58CV(A,X)155-22
CAP**4821A**	0.96	0.98	58MVB080-20
CAP**6021A**	0.98	0.96	58MVB080-20
CNP*4821A**	0.97	0.99	58MVB080-20
CNP*6024A**	0.98	0.96	58MVB080-20
CNPV*4821A**	0.97	0.99	58MVB080-20
CNPV*6024A**	0.97	0.99	58MVB080-20
CSPH*4812A**	0.97	0.99	58MVB080-20
CSPH*6012A**	0.99	0.97	58MVB080-20
CAP**4821A**	0.96	0.98	58MVB100-20
CAP**6021A**	0.99	0.97	58MVB100-20
CNP*4821A**	0.97	0.99	58MVB100-20
CNP*6024A**	0.98	0.96	58MVB100-20
CNPV*4821A**	0.97	0.99	58MVB100-20
CNPV*6024A**	0.97	0.99	58MVB100-20
CSPH*4812A**	0.98	0.96	58MVB100-20
CSPH*6012A**	0.99	0.97	58MVB100-20
CAP**4824A**	0.96	0.98	58MVB120-20
CNP*4821A**	0.97	0.99	58MVB120-20
CNP*6024A**	0.98	0.96	58MVB120-20
CNPV*4824A**	0.97	0.99	58MVB120-20
CNPV*6024A**	0.98	0.96	58MVB120-20
CSPH*4812A**	0.97	0.99	58MVB120-20
CSPH*6012A**	0.99	0.97	58MVB120-20

See notes on pg. 28

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtu/h†		Total System KW*‡	Capacity MBtu/h†		Total System KW*‡	Capacity MBtu/h†		Total System KW*‡	Capacity MBtu/h†		Total System KW*‡	Capacity MBtu/h†		Total System KW*‡	Capacity MBtu/h†		Total System KW*‡
		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡	
24APA560A30 Outdoor Section With CAP**6024A** Indoor Section																			
1700	72	71.24	37.12	4.00	68.02	35.88	4.40	64.60	34.58	4.85	60.97	33.21	5.34	57.00	31.74	5.88	52.58	30.13	6.45
	67	65.05	45.36	3.93	62.11	44.11	4.34	59.00	42.80	4.79	55.69	41.42	5.28	52.10	39.96	5.81	48.14	38.37	6.39
	62	59.46	53.54	3.88	56.82	52.28	4.29	54.05	50.95	4.73	51.13	49.53	5.23	48.05	47.98	5.76	45.09	45.09	6.35
1900	72	72.35	38.59	4.08	68.99	37.32	4.49	65.44	35.99	4.94	61.66	34.60	5.43	57.56	33.11	5.96	53.00	31.48	6.53
	67	66.10	47.70	4.02	63.03	46.42	4.43	59.80	45.09	4.87	56.37	43.70	5.36	52.66	42.22	5.90	48.57	40.59	6.47
	62	60.59	56.75	3.97	57.87	55.43	4.37	55.06	54.00	4.82	52.25	52.25	5.31	49.45	49.45	5.86	46.30	46.30	6.44
	57	59.43	59.43	3.95	57.19	57.19	4.36	54.82	54.82	4.82	52.26	52.26	5.32	49.46	49.46	5.86	46.30	46.30	6.44
2100	72	73.20	39.97	4.17	69.73	38.68	4.57	66.07	37.34	5.02	62.19	35.93	5.51	57.98	34.42	6.04	53.29	32.77	6.61
	67	66.90	49.94	4.10	63.74	48.64	4.51	60.40	47.30	4.95	56.88	45.89	5.45	53.08	44.38	5.98	48.90	42.71	6.55
	62	61.58	59.74	4.05	58.87	58.28	4.46	56.26	56.26	4.91	53.56	53.56	5.41	50.61	50.61	5.95	47.28	47.28	6.53
	57	61.12	61.12	4.05	58.77	58.77	4.46	56.26	56.26	4.91	53.57	53.57	5.41	50.61	50.61	5.95	47.28	47.28	6.53

Cooling Indoor Model	Capacity	Power	Furnace Model
*CAP**6024A**	1.00	1.00	58CV(A,X)155-22
CAP**6021A**	0.99	1.02	
CAP**6024A**	0.99	1.02	
CNPH*6024A**	0.99	1.02	
CNPV*6024A**	0.99	1.02	
CSPH*6012A**	0.99	1.02	
FE4ANB006	1.00	0.98	
FV4BNB006	1.00	0.98	
FX4CN(B,F)060	0.99	0.97	
FY4ANB060	1.00	1.04	

Cooling Indoor Model	Capacity	Power	Furnace Model
CAP**6021A**	0.99	1.01	58CV(A,X)110-20
CAP**6024A**	0.99	1.01	58CV(A,X)110-20
CNPH*6024A**	0.99	1.01	58CV(A,X)110-20
CNPV*6024A**	0.99	1.01	58CV(A,X)110-20
CSPH*6012A**	0.99	1.01	58CV(A,X)110-20
CAP**6021A**	0.99	0.99	58CV(A,X)135-22
CAP**6024A**	0.99	1.01	58CV(A,X)135-22
CNPH*6024A**	0.99	1.01	58CV(A,X)135-22
CNPV*6024A**	0.99	1.01	58CV(A,X)135-22
CSPH*6012A**	0.99	0.99	58CV(A,X)135-22
CAP**6021A**	0.99	0.99	58CV(A,X)155-22
CNPH*6024A**	0.99	0.99	58CV(A,X)155-22
CNPV*6024A**	0.99	0.99	58CV(A,X)155-22
CSPH*6012A**	0.99	0.99	58CV(A,X)155-22
CSPH*6012A**	0.99	1.02	58MVB120-20

24APA5

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

* 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.

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

† 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).

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

GUIDE SPECIFICATIONS

GENERAL

System Description

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

Quality Assurance

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

Delivery, Storage, and Handling

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

Warranty (for inclusion by specifying engineer)

- U.S. and Canada only.

PRODUCTS

Equipment

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

Unit Cabinet

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

Fans

- Condenser fan will be direct-drive propeller type, discharging air upward.

AIR-COOLED, SPLIT-SYSTEM AIR CONDITIONER

24APA5

1-1/2 TO 5 NOMINAL TONS

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

Compressor

- Compressor will be hermetically sealed.
- Compressor will be mounted on rubber vibration isolators.
- Compressor will be covered with a sound absorbing blanket.

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 back-seating shutoff valve with sweat connections, vapor-line back-seating 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. The power consumption at full load will not exceed _____ kW.
- Combination of the unit and the evaporator or fan coil unit will have a total net cooling capacity of _____ Btuh or greater at conditions of _____ CFM entering air temperature at the evaporator at _____ °F wet bulb and _____ °F dry bulb, and air entering the unit at _____ °F.
- The system will have a SEER of _____ Btuh/watt or greater at DOE conditions.

Electrical Requirements

- Nominal unit electrical characteristics will be _____ v, single phase, 60 hz. The unit will be capable of satisfactory operation within voltage limits of _____ v to _____ v.
- 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.