

25HPA5
Performance™ Series Heat Pump with Puron®
Sizes 18 to 60
1 – 1/2 to 5 Nominal Tons



Turn to the Experts.™

Product Data



Performance
SERIES

Carrier's heat pumps with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 25HPA has been designed utilizing Carrier's Puron® refrigerant. The environmentally sound refrigerant allows consumers 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

- 15 SEER/11.5 EER/8 HSPF (Nominal)

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 69 dBA
- Quiet mount split post compressor grommets
- External silencer muffler
- Exclusive Silencer Top design
- 8 Pole PSC ball bearing condenser fan motor
- Forward-swept condenser fan blade
- Compressor blanket
- Quiet shift defrost

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
- Suction line accumulator
- Vapor fog eliminator

Controls and Diagnostics

- Infinity™ control compatible
- On-board Carrier diagnostics
- Up to 14 point diagnostic capability
- Long line accessory connections

Applications

- Long-line - up to 250 ft. total equivalent length, up to 200 ft. condenser above evaporator, or up to 20 ft. evaporator above condenser standard, (50 ft. w/liquid line solenoid)
- Low ambient (down to 0°F) with Infinity™ Control or accessory kit.

Limited Warranty

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

MODEL NUMBER NOMENCLATURE

1 N	2 N	3 A	4 A	5 A/N	6 N	7 N	8 N	9 A/N	10 A/N	11 A/N	12 N	13 N
2	5	H	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		
25 = HP	H = RES HP	P = Performance	A = Puron	5 = 15 SEER		A = Standard	0 = Not Defined	0 = Not Defined	3 = 208/230-1	0, 1, 2...		



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
Scroll Compressor	X	X	X	X	X	X	X
Louvered Coil Guard	X	X	X	X	X	X	X
Field Installed Filter Drier	X	X	X	X	X	X	X
Back-Seating Service Valves	X	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X	X
Long Line capability	X	X	X	X	X	X	X
Low Ambient capability with Kit or Infinity™ Control	X	X	X	X	X	X	X
Suction Line Accumulator	X	X	X	X	X	X	X
High Pressure Switch	X	X	X	X	X	X	X
Loss of Charge Switch	X	X	X	X	X	X	X

PHYSICAL DATA

UNIT SIZE SERIES	18–30	24–30	30–30	36–30	42–30	48–30	60–30
Operating Weight (lb)	210	215	253	263	279	296	326
Shipping Weight (lb)	244	249	287	297	313	331	362
Compressor Type	Scroll						
REFRIGERANT	Puron® (R–410A)						
Control	TXV (Puron Hard Shutoff)						
Charge (lb)	6.13	6.13	9.1	7.69	8.38	11.19	12.5
COND FAN	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty. (CFM)	2595	2595	3265	3265	3265	3673	3673
Motor HP	1/10	1/10	1/5	1/5	1/5	1/4	1/4
Motor RPM	800	800	800	800	800	800	800
COND COIL							
Face Area (Sq. ft.)	16.26	16.26	16.26	14.23	16.26	30.6	37.4
Fins per In.	20	20	20	20	20	20	20
Rows	1	1	2	2	2	2	2
Circuits	4	5	6	7	8	8	9
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 ft. and 200 ft. horizontal or 20 ft. vertical differential (250 ft. Total Equivalent Length), consult the Long–Line Guideline.

Note: See unit Installation Instruction for proper installation.

VAPOR LINE SIZING AND COOLING CAPACITY LOSS PURON 1-STAGE HEAT PUMP 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 OD (in.)	Cooling Capacity Loss (%)Total Equivalent Line Length (ft.)											
			Standard Application			Long Line Application Requires Accessories								
			25	50	80	80+	100	125	150	175	200	225	250	
18000 1–Stage Puron HP	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	
24000 1–Stage Puron HP	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	
30000 1–Stage Puron HP	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	
36000 1–Stage Puron HP	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	
42000 1–Stage Puron HP	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	
48000 1–Stage Puron HP	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	
60000 1–Stage Puron HP	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 HEATER				X	X	S	S
KAACH1401AAA	CRANKCASE HEATER	X	X	X				
KSACY0101AAA	CYCLE PROTECTOR	S	S	S	S	S	S	S
KAFT0101AAA	FREEZE THERMOSTAT	X	X	X	X	X	X	X
KSAS1701AAA	HARD START (CAP/RELAY)	X	X	X	X	X	X	X
KHAIR0101AAA	ISOLATION RELAY	X	X	X	X	X	X	X
KSALA0301410	LOW AMBIENT SWITCH	X	X	X	X	X	X	X
KHAOT0201SEC	OUTDOOR THERMOSTAT	X	X	X	X	X	X	X
KHAOT0301FST	OUTDOOR THERMOSTAT	X	X	X	X	X	X	X
KAACS0201PTC	PTC START ASSIST	X	X	X	X	X	X	X
KHALS0401LLS	SOLENOID VALVE	X	X	X	X	X	X	X
KSASF0101AAA	SUPPORT FEET	X	X	X	X	X	X	X
KAATD0101TDR	TIME DELAY RELAY	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

x = Accessory S = Standard

ACCESSORY THERMOSTATS

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

* Do not use in zoning heat pump applications.

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

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

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

ACCESSORY USAGE GUIDELINE

ACCESSORY	REQUIRED FOR LOW-AMBIENT COOLING APPLICATIONS (Below 55° F)	REQUIRED FOR LONG LINE APPLICATIONS* (Over 80 Ft.)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles)
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Accumulator	Standard	Standard	Standard
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Motor Master® Control or Low-ambient Pressure Switch	Standard	Standard	Standard
Support Feet	Recommended	No	Recommended
Liquid Line Solenoid Valve	No	See Long-Line Application Guideline	No
Ball Bearing Fan Motor	Standard	Standard	Standard

* For tubing line sets between 80 and 200 ft. and/or 20 ft. vertical differential (250 ft. Total Equivalent Length), refer to Long-Line Application Guideline.

Accessory Description and Usage (Listed Alphabetically)

1. Ball-Bearing Fan Motor

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

Usage Guideline:

Required on all units when MotorMaster® is used.

2. Compressor Start Assist - Capacitor and Relay

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

Usage Guideline:

Required for reciprocating compressors in the following applications:

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

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

- Long line
- Low ambient cooling

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

3. Compressor Start Assist — PTC Type

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

Usage Guideline:

Suggested in installations with marginal power supply.

4. Crankcase Heater

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

Usage Guideline:

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

5. 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.

6. Isolation Relay

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

Usage Guideline:

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

7. Liquid-Line Solenoid Valve (LLS)

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

Usage Guideline:

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

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

9. MotorMaster® Low-Ambient Controller

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

Usage Guideline:

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

Suggested for all commercial applications.

Accessory Description and Usage (Listed Alphabetically) - CONTINUED

10. Outdoor Air Temperature Sensor

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

Usage Guideline:

Suggested for all Carrier thermostats listed in this publication.

11. Outdoor Thermostat

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

Usage Guideline:

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

12. Secondary Outdoor Thermostat

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

Usage Guideline:

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

13. Sound Hood

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

Usage Guideline:

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

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

14. Thermostatic Expansion Valve (TXV) Bi-Flow

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

Usage Guideline:

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

Required in all heat pump applications designed with Puron refrigerant.

15. Time-Delay Relay

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

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

Usage Guideline:

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

ELECTRICAL DATA

UNIT SIZE	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE†	MIN WIRE SIZE†	MAX LENGTH (FT)‡	MAX LENGTH (FT)‡	MAX FUSE** or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA		60° C	75° C	60° C	75° C	
18–30	208/230/1	253	197	48	9	0.7	12	14	14	66	62	20
24–30				58.3	12.8	0.7	16.7	14	14	46	44	25
30–30				73	14.1	1.1	18.7	14	14	41	39	30
36–30				79	17.9	1.1	23.4	12	12	55	52	35
42–30				109	21.3	1.1	27.7	10	10	71	68	40
48–30				117	21.8	1.3	28.5	10	10	69	66	40
60–30				134	26.4	1.3	34.3	8	10	91	56	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
18–30	70	57	57	63	62.5	61	56.5	47.5
24–30	69	56.5	57.5	63.5	61.5	61.5	57	48.5
30–30	71	59.5	60	65	64.5	61.5	58	55.5
36–30	71	60	62	66	65	63	58	51.5
42–30	71	60.5	59.5	63	64	62	58.5	50.5
48–30	72	58.5	62.5	64.5	67	65	61	54.5
60–30	75	59	61	67	69.5	64	59	54.5

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE – SERIES	REQUIRED SUBCOOLING (F)
18–30	12
24–30	11
30–30	11
36–30	11
42–30	10
48–30	10
60–30	11

DIMENSIONS

25HPA5

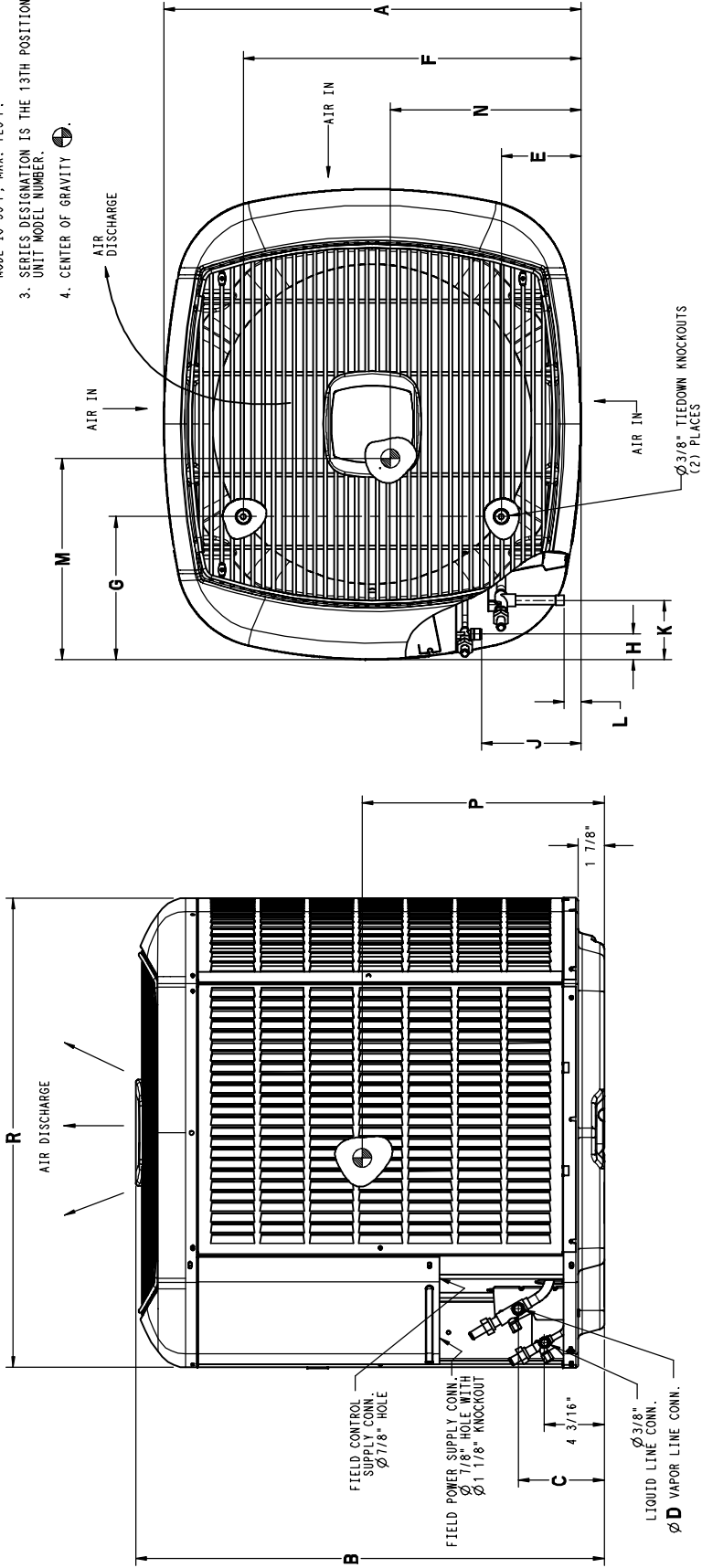
UNIT	SERIES	ELECTRICAL CHARACTERISTICS			A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	OPERATING WEIGHT	SHIPPING WEIGHT	SHIPPING DIMENSIONS (L x W x H)
25HPA518	0	X	0	0	35 1/2"	33 11/16"	6 1/16"	5/8"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	7"	4 3/16"	1 1/8"	19 1/2"	18"	16 3/4"	40"	210#	244#	41 1/8" X 36 5/8" X 37 7/16"
25HPA524	0	X	0	0	35 1/2"	37 1/8"	6 1/16"	5/8"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	7"	4 3/16"	1 1/8"	20"	17"	16 1/2"	40"	252#	292#	41 1/8" X 36 5/8" X 40 7/16"
25HPA530	0	X	0	0	35 1/2"	40 1/2"	6 5/16"	3/4"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	7"	4"	1 1/8"	20"	17"	18"	40"	289#	323#	41 1/8" X 36 5/8" X 44 1/4"
25HPA536	0	X	0	0	35 1/2"	47 5/16"	6 5/16"	3/4"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	7"	4"	1 1/8"	18 1/2"	17 1/2"	20"	40"	292#	328#	41 1/8" X 36 5/8" X 51 1/16"
25HPA542	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"	7"	4 1/16"	1 1/8"	18 1/2"	17 1/2"	21"	40"	309#	345#	41 1/8" X 36 5/8" X 51 1/16"
25HPA548	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"	7"	4 1/16"	1 1/8"	19 1/2"	17"	20 1/2"	40"	315#	352#	41 1/8" X 36 5/8" X 51 1/16"
25HPA560	0	X	0	0	35 1/2"	43 7/8"	6 1/4"	7/8"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	7"	4 1/16"	1 1/8"	19 1/2"	17"	18 1/2"	40"	326#	362#	41 1/8" X 36 5/8" X 47 11/16"

208-230-160	230-160	208/230-360	460-3-360
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X = YES
O = NO

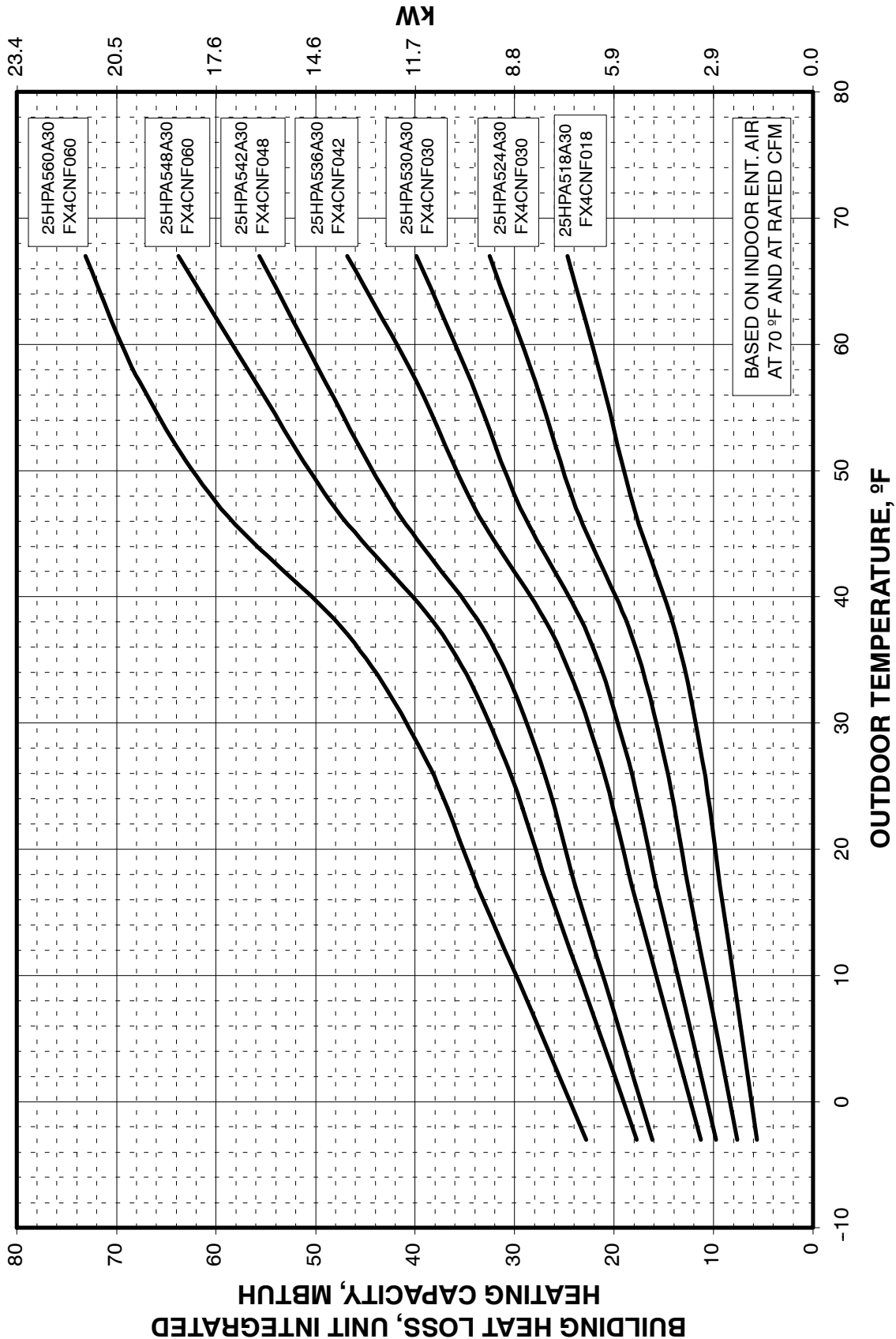
NOTES:

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



UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
-	29 1/2" X 33"
18 THRU 60	36 1/2" X 40"

25HPA5 BALANCE POINT WORKSHEET



COMBINATION RATINGS

25HPA5

Unit Size – Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									Furnace Model
			Cooling				Heating				HSPF	
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp			
							E Capacity	E COP	H Capacity	H COP		
18–30	*FX4CNF018	17,800	TDR&TXV	15.00		12.00	18,000	3.62	10,400	2.34	8.2	
	FE4ANF002	18,000	TDR&TXV	15.50		12.50	17,800	3.68	10,300	2.38	8.3	
	FF1ENP018	17,400	TDR&TXV	13.20		10.90	18,000	3.40	10,800	2.22	7.9	
	FF1ENP024	17,700	TDR&TXV	13.50		11.10	18,000	3.46	10,900	2.24	8.0	
	FV4BNF002	18,000	TDR&TXV	15.50		12.50	17,800	3.68	10,300	2.38	8.3	
	FX4CNF024	18,000	TDR&TXV	15.00		12.40	18,000	3.66	10,400	2.38	8.3	
	FY4ANF018	17,400	TDR&TXV	13.00		10.80	18,000	3.40	10,800	2.20	8.0	
	FY4ANF024	17,600	TDR&TXV	13.20		10.90	18,000	3.40	10,900	2.22	8.0	
	CAP**1814A**	17,300	TDR&TXV	14.50		12.00	17,400	3.38	10,100	2.26	7.8	58CV(A,X)070–12
	CAP**1814A**	17,400	TXV		13.00	10.80	18,000	3.36	10,800	2.20	7.8	
	CAP**2414A**	17,600	TDR&TXV	15.00		12.00	17,600	3.52	10,200	2.32	8.0	58CV(A,X)070–12
	CAP**2414A**	17,800	TXV		13.50	11.00	18,000	3.50	10,900	2.26	8.0	
	CAP**2417A**	17,700	TDR&TXV	15.00		12.00	17,600	3.56	10,200	2.34	8.1	58CV(A,X)090–16
	CAP**2417A**	17,700	TDR&TXV	15.00		12.00	17,600	3.54	10,200	2.34	8.1	58MVB060–14
	CAP**2417A**	17,800	TXV		13.50	11.00	18,000	3.50	10,900	2.26	8.0	
	CNPF*2418A**	17,700	TXV		13.50	10.80	18,000	3.54	10,900	2.28	8.1	
	CNPH*2417A**	17,600	TDR&TXV	15.00		12.00	17,600	3.56	10,300	2.34	8.1	58CV(A,X)070–12
	CNPH*2417A**	17,700	TDR&TXV	15.00		12.00	17,600	3.60	10,300	2.34	8.2	58CV(A,X)090–16
	CNPH*2417A**	17,600	TDR&TXV	14.50		12.00	17,600	3.58	10,300	2.34	8.2	58MVB040–14
	CNPH*2417A**	17,600	TDR&TXV	15.00		12.00	17,600	3.58	10,300	2.34	8.2	58MVB060–14
	CNPH*2417A**	17,700	TDR&TXV	15.00		12.00	17,600	3.60	10,300	2.34	8.2	58MVB080–14
	CNPH*2417A**	17,700	TXV		13.50	10.80	18,000	3.54	10,900	2.28	8.1	
	CNPV*1814A**	17,300	TDR&TXV	15.00		12.00	17,400	3.50	10,200	2.30	8.0	58CV(A,X)070–12
	CNPV*1814A**	17,400	TXV		13.00	10.80	18,000	3.50	10,900	2.26	8.0	
	CNPV*2414A**	17,600	TDR&TXV	15.00		12.00	17,600	3.56	10,300	2.34	8.1	58CV(A,X)070–12
	CNPV*2414A**	17,700	TXV		13.50	10.80	18,000	3.54	10,900	2.28	8.1	
	CNPV*2417A**	17,700	TDR&TXV	15.00		12.00	17,600	3.60	10,300	2.34	8.2	58CV(A,X)090–16
	CNPV*2417A**	17,700	TDR&TXV	15.00		12.00	17,600	3.58	10,300	2.34	8.2	58MVB060–14
CNPV*2417A**	17,700	TXV		13.50	10.80	18,000	3.54	10,900	2.28	8.1		
CSPH*2412A**	17,600	TDR&TXV	15.00		12.00	17,600	3.54	10,300	2.34	8.1	58CV(A,X)070–12	
CSPH*2412A**	17,700	TDR&TXV	15.00		12.00	17,600	3.58	10,300	2.34	8.2	58CV(A,X)090–16	
CSPH*2412A**	17,600	TDR&TXV	14.50		12.00	17,600	3.56	10,300	2.34	8.2	58MVB040–14	
CSPH*2412A**	17,600	TDR&TXV	15.00		12.00	17,600	3.56	10,300	2.34	8.1	58MVB060–14	
CSPH*2412A**	17,700	TDR&TXV	15.00		12.00	17,600	3.58	10,300	2.34	8.2	58MVB080–14	
CSPH*2412A**	17,700	TXV		13.50	10.80	18,000	3.54	11,000	2.28	8.1		
24–30	*FX4CNF030	23,600	TDR&TXV	15.50		12.50	23,800	3.78	14,000	2.52	8.5	
	FE4ANF002	23,400	TDR&TXV	15.50		12.50	23,400	3.72	13,800	2.50	8.5	
	FE4ANF003	23,400	TDR&TXV	16.00		13.00	23,400	3.72	13,700	2.52	8.5	
	FE5ANB004	24,000	TDR&TXV	16.00		13.50	23,800	3.98	13,800	2.62	9.0	
	FF1ENP024	23,000	TDR&TXV	13.50		11.20	24,000	3.48	14,600	2.34	8.1	
	FF1ENP030	23,000	TDR&TXV	13.50		11.20	24,000	3.50	14,500	2.34	8.1	
	FV4BNF002	23,400	TDR&TXV	15.50		12.50	23,400	3.72	13,800	2.50	8.5	
	FV4BNF003	23,400	TDR&TXV	16.00		13.00	23,400	3.72	13,700	2.52	8.5	
	FX4CNF024	23,200	TDR&TXV	15.00		12.40	23,600	3.66	14,000	2.46	8.4	
	FY4ANF024	22,800	TDR&TXV	13.50		11.40	24,000	3.48	14,400	2.34	8.0	
	FY4ANF030	23,000	TDR&TXV	14.00		11.50	24,000	3.58	14,500	2.38	8.2	
	CAP**2414A**	22,800	TDR&TXV	15.00		12.50	23,200	3.56	13,700	2.44	8.2	58CV(A,X)070–12
	CAP**2414A**	23,000	TXV		14.00	11.20	24,000	3.54	14,600	2.36	8.2	
	CAP**2417A**	23,000	TDR&TXV	15.50		12.50	23,200	3.60	13,700	2.46	8.3	58CV(A,X)090–16
	CAP**2417A**	23,000	TDR&TXV	15.00		12.50	23,200	3.58	13,700	2.44	8.2	58MVB060–14
	CAP**2417A**	23,000	TXV		14.00	11.20	24,000	3.54	14,600	2.36	8.2	
	CAP**3014A**	23,200	TDR&TXV	15.50		12.50	23,200	3.58	13,700	2.46	8.2	58CV(A,X)070–12
	CAP**3014A**	23,200	TXV		14.00	11.50	24,000	3.56	14,600	2.38	8.2	
	CAP**3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.64	13,700	2.48	8.3	58CV(A,X)090–16
	CAP**3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.62	13,700	2.46	8.3	58MVB060–14
	CAP**3017A**	23,200	TXV		14.00	11.50	24,000	3.56	14,600	2.38	8.2	
	CNPF*2418A**	23,000	TXV		13.50	11.20	24,000	3.60	14,600	2.38	8.3	
	CNPH*2417A**	22,800	TDR&TXV	15.00		12.50	23,200	3.60	13,800	2.44	8.3	58CV(A,X)070–12
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.50	23,200	3.64	13,800	2.46	8.3	58CV(A,X)090–16
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.50	23,200	3.64	13,800	2.46	8.3	58CV(A,X)110–20
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.50	23,200	3.64	13,800	2.46	8.3	58CV(A,X)135–22
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.50	23,200	3.64	13,800	2.46	8.3	58CV(A,X)155–22

See notes on pg. 17

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									
			Cooling				Heating					Furnace Model
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF	
							E Capacity	E COP	H Capacity	H COP		
24–30	CNPH*2417A**	23,000	TDR&TXV	15.00		12.00	23,200	3.64	13,800	2.46	8.3	58MVB040–14
	CNPH*2417A**	22,800	TDR&TXV	15.00		12.50	23,200	3.62	13,800	2.46	8.3	58MVB060–14
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.50	23,200	3.64	13,800	2.46	8.3	58MVB080–14
	CNPH*2417A**	22,800	TDR&TXV	15.00		12.50	23,200	3.64	13,800	2.46	8.3	58MVB080–20
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.50	23,200	3.66	13,800	2.46	8.3	58MVB100–20
	CNPH*2417A**	22,800	TDR&TXV	15.00		12.00	23,200	3.60	13,800	2.44	8.3	58MVB120–20
	CNPH*2417A**	23,000	TXV		14.00	11.50	24,000	3.60	14,600	2.38	8.3	
	CNPH*3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.60	13,700	2.46	8.3	58CV(A,X)070–12
	CNPH*3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.64	13,700	2.48	8.3	58CV(A,X)090–16
	CNPH*3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.64	13,700	2.48	8.3	58CV(A,X)110–20
	CNPH*3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.64	13,700	2.48	8.3	58CV(A,X)135–22
	CNPH*3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.64	13,700	2.48	8.4	58CV(A,X)155–22
	CNPH*3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.62	13,800	2.48	8.3	58MVB040–14
	CNPH*3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.62	13,700	2.48	8.3	58MVB060–14
	CNPH*3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.62	13,800	2.48	8.3	58MVB080–14
	CNPH*3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.62	13,700	2.48	8.3	58MVB080–20
	CNPH*3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.64	13,800	2.48	8.4	58MVB100–20
	CNPH*3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.60	13,700	2.46	8.3	58MVB120–20
	CNPH*3017A**	23,200	TXV		14.00	11.50	24,000	3.58	14,600	2.38	8.2	
	CNPV*2414A**	22,800	TDR&TXV	15.00		12.50	23,200	3.60	13,800	2.44	8.3	58CV(A,X)070–12
	CNPV*2414A**	23,000	TXV		14.00	11.50	24,000	3.60	14,600	2.38	8.3	
	CNPV*2417A**	23,000	TDR&TXV	15.00		12.50	23,200	3.64	13,800	2.46	8.3	58CV(A,X)090–16
	CNPV*2417A**	22,800	TDR&TXV	15.00		12.50	23,200	3.62	13,800	2.46	8.3	58MVB060–14
	CNPV*2417A**	23,000	TXV		14.00	11.20	24,000	3.60	14,600	2.38	8.3	
	CNPV*3014A**	23,200	TDR&TXV	15.50		12.50	23,200	3.60	13,700	2.46	8.3	58CV(A,X)070–12
	CNPV*3014A**	23,200	TXV		14.00	11.50	24,000	3.58	14,600	2.38	8.2	
	CNPV*3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.64	13,700	2.48	8.3	58CV(A,X)090–16
	CNPV*3017A**	23,200	TDR&TXV	15.50		12.50	23,200	3.62	13,700	2.48	8.3	58MVB060–14
	CNPV*3017A**	23,200	TXV		14.00	11.50	24,000	3.58	14,600	2.38	8.2	
	CSPH*2412A**	23,000	TDR&TXV	15.00		12.50	23,200	3.62	13,800	2.46	8.3	58CV(A,X)070–12
	CSPH*2412A**	23,000	TDR&TXV	15.50		12.50	23,200	3.66	13,800	2.48	8.4	58CV(A,X)090–16
	CSPH*2412A**	23,000	TDR&TXV	15.00		12.50	23,200	3.64	13,900	2.46	8.3	58CV(A,X)110–20
	CSPH*2412A**	23,000	TDR&TXV	15.00		12.50	23,200	3.64	13,800	2.46	8.4	58CV(A,X)135–22
	CSPH*2412A**	23,000	TDR&TXV	15.00		12.50	23,200	3.66	13,800	2.46	8.4	58CV(A,X)155–22
	CSPH*2412A**	23,000	TDR&TXV	15.00		12.00	23,200	3.64	13,900	2.46	8.3	58MVB040–14
	CSPH*2412A**	23,000	TDR&TXV	15.50		12.50	23,200	3.64	13,800	2.46	8.3	58MVB060–14
	CSPH*2412A**	23,000	TDR&TXV	15.00		12.50	23,200	3.64	13,900	2.46	8.3	58MVB080–14
	CSPH*2412A**	23,000	TDR&TXV	15.00		12.50	23,200	3.64	13,800	2.46	8.3	58MVB080–20
	CSPH*2412A**	23,000	TDR&TXV	15.50		12.50	23,200	3.66	13,900	2.46	8.4	58MVB100–20
	CSPH*2412A**	23,000	TDR&TXV	15.00		12.50	23,200	3.60	13,800	2.44	8.3	58MVB120–20
	CSPH*2412A**	23,000	TXV		14.00	11.50	24,000	3.64	14,600	2.40	8.3	
	CSPH*3012A**	23,200	TDR&TXV	15.50		12.50	23,200	3.60	13,700	2.46	8.3	58CV(A,X)070–12
	CSPH*3012A**	23,200	TDR&TXV	15.50		12.50	23,200	3.64	13,700	2.48	8.3	58CV(A,X)090–16
	CSPH*3012A**	23,200	TDR&TXV	15.50		12.50	23,200	3.62	13,800	2.46	8.3	58CV(A,X)110–20
	CSPH*3012A**	23,200	TDR&TXV	15.50		12.50	23,200	3.64	13,800	2.48	8.3	58CV(A,X)135–22
	CSPH*3012A**	23,200	TDR&TXV	15.50		12.50	23,200	3.64	13,800	2.48	8.3	58CV(A,X)155–22
	CSPH*3012A**	23,200	TDR&TXV	15.50		12.50	23,200	3.60	13,700	2.46	8.3	58MVB060–14
	CSPH*3012A**	23,200	TDR&TXV	15.50		12.50	23,200	3.62	13,800	2.46	8.3	58MVB080–14
	CSPH*3012A**	23,200	TDR&TXV	15.50		12.50	23,200	3.62	13,800	2.46	8.3	58MVB080–20
	CSPH*3012A**	23,200	TDR&TXV	15.50		12.50	23,200	3.64	13,800	2.48	8.3	58MVB100–20
	CSPH*3012A**	23,200	TDR&TXV	15.50		12.50	23,200	3.60	13,800	2.46	8.3	58MVB120–20
	CSPH*3012A**	23,200	TXV		14.00	11.50	24,000	3.58	14,600	2.38	8.3	
	30–30	*FX4CNF030	29,200	TDR&TXV	15.50		12.50	29,400	3.80	17,200	2.50	8.5
FE4ANF002		29,000	TDR&TXV	15.50		13.00	29,000	3.78	16,900	2.50	8.5	
FE4ANF003		29,000	TDR&TXV	16.00		13.20	28,800	3.80	16,700	2.52	8.5	
FE4ANF005		30,000	TDR&TXV	16.00		13.50	29,200	3.98	16,900	2.60	9.0	
FE5ANB004		30,000	TDR&TXV	16.00		13.50	29,200	4.10	16,900	2.64	9.0	
FF1ENP030		28,600	TDR&TXV	14.00		11.50	29,800	3.60	17,600	2.38	8.1	
FF1ENP036		29,000	TDR&TXV	14.00		11.50	30,000	3.66	17,700	2.42	8.3	
FV4BNF002		29,000	TDR&TXV	15.50		13.00	29,000	3.78	16,900	2.50	8.5	
FV4BNF003		29,200	TDR&TXV	16.00		13.00	28,800	3.80	16,700	2.52	8.5	
FV4BNF005		30,000	TDR&TXV	16.00		13.50	29,200	3.98	16,900	2.60	9.0	
FX4CN(B,F)036		29,400	TDR&TXV	15.50		12.50	29,600	3.84	17,300	2.52	8.6	
FY4ANF030		28,800	TDR&TXV	14.00		11.50	30,000	3.68	17,700	2.40	8.4	
FY4ANF036		28,800	TDR&TXV	13.50		11.50	30,000	3.64	17,800	2.40	8.2	
CAP**3014A**		28,800	TDR&TXV	15.50		12.50	28,800	3.66	16,900	2.46	8.2	58CV(A,X)070–12
CAP**3014A**		29,000	TXV		14.00	11.50	30,000	3.64	17,700	2.40	8.2	

See notes on pg. 17

COMBINATION RATINGS CONTINUED

25HPA5

Unit Size – Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									Furnace Model
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF	
							E Capacity	E COP	H Capacity	H COP		
30-30	CAP**3017A**	28,800	TDR&TXV	15.50		13.00	28,800	3.70	16,700	2.48	8.3	58CV(A,X)090-16
	CAP**3017A**	28,800	TDR&TXV	15.50		13.00	28,800	3.66	16,800	2.46	8.3	58MVB060-14
	CAP**3017A**	29,000	TXV	14.00		11.50	30,000	3.64	17,700	2.40	8.2	
	CAP**3614A**	27,800	TDR&TXV	15.00		12.50	28,000	3.68	16,900	2.46	8.2	58CV(A,X)070-12
	CAP**3614A**	28,000	TXV		14.00	12.00	29,000	3.68	17,800	2.42	8.2	
	CAP**3617A**	29,000	TDR&TXV	15.50		13.00	28,800	3.72	16,700	2.50	8.4	58CV(A,X)090-16
	CAP**3617A**	28,800	TDR&TXV	15.50		13.00	28,800	3.70	16,800	2.48	8.3	58MVB060-14
	CAP**3617A**	29,000	TXV		14.00	12.00	30,000	3.68	17,800	2.42	8.3	
	CAP**3621A**	29,000	TDR&TXV	15.50		13.00	28,800	3.76	16,800	2.50	8.4	58CV(A,X)110-20
	CAP**3621A**	29,000	TDR&TXV	15.50		13.00	28,800	3.72	16,800	2.48	8.3	58MVB080-14
	CAP**3621A**	29,000	TDR&TXV	15.50		13.00	28,800	3.72	16,800	2.48	8.3	58MVB080-20
	CAP**3621A**	29,000	TDR&TXV	15.50		13.00	28,800	3.72	16,800	2.50	8.4	58MVB100-20
	CAP**3621A**	29,000	TXV		14.00	12.00	30,000	3.68	17,800	2.42	8.2	
	CNPF*3618A**	29,000	TXV		14.00	12.00	30,000	3.66	17,800	2.40	8.2	
	CNPH*3017A**	28,800	TDR&TXV	15.50		12.50	28,800	3.68	16,900	2.46	8.3	58CV(A,X)070-12
	CNPH*3017A**	28,800	TDR&TXV	15.50		13.00	28,800	3.70	16,800	2.48	8.3	58CV(A,X)090-16
	CNPH*3017A**	29,000	TDR&TXV	15.50		13.00	28,800	3.72	16,800	2.48	8.3	58CV(A,X)110-20
	CNPH*3017A**	29,000	TDR&TXV	15.50		13.00	28,800	3.72	16,800	2.48	8.4	58CV(A,X)135-22
	CNPH*3017A**	29,000	TDR&TXV	15.50		13.00	28,800	3.72	16,800	2.50	8.4	58CV(A,X)155-22
	CNPH*3017A**	28,800	TDR&TXV	15.00		12.50	28,800	3.68	16,800	2.46	8.3	58MVB040-14
	CNPH*3017A**	28,800	TDR&TXV	15.50		13.00	28,800	3.68	16,800	2.46	8.3	58MVB060-14
	CNPH*3017A**	28,800	TDR&TXV	15.50		12.50	28,800	3.68	16,900	2.46	8.3	58MVB080-14
	CNPH*3017A**	28,800	TDR&TXV	15.50		13.00	28,800	3.68	16,800	2.46	8.3	58MVB080-20
	CNPH*3017A**	28,800	TDR&TXV	15.50		13.00	28,800	3.68	16,800	2.46	8.3	58MVB080-20
	CNPH*3017A**	28,800	TDR&TXV	15.50		13.00	28,800	3.70	16,800	2.48	8.3	58MVB100-20
	CNPH*3017A**	28,800	TDR&TXV	15.50		13.00	28,800	3.68	16,700	2.46	8.3	58MVB120-20
	CNPH*3017A**	29,000	TXV		14.00	12.00	30,000	3.66	17,800	2.40	8.2	
	CNPH*3617A**	28,800	TDR&TXV	15.50		12.50	28,800	3.68	16,900	2.46	8.3	58CV(A,X)070-12
	CNPH*3617A**	28,800	TDR&TXV	15.50		13.00	28,800	3.70	16,800	2.48	8.3	58CV(A,X)090-16
	CNPH*3617A**	29,000	TDR&TXV	15.50		13.00	28,800	3.72	16,800	2.48	8.3	58CV(A,X)110-20
	CNPH*3617A**	29,000	TDR&TXV	15.50		13.00	28,800	3.72	16,800	2.48	8.4	58CV(A,X)135-22
	CNPH*3617A**	29,000	TDR&TXV	15.50		13.00	28,800	3.72	16,800	2.50	8.4	58CV(A,X)155-22
	CNPH*3617A**	28,800	TDR&TXV	15.00		12.50	28,800	3.68	16,800	2.46	8.3	58MVB040-14
	CNPH*3617A**	28,800	TDR&TXV	15.50		13.00	28,800	3.68	16,800	2.46	8.3	58MVB060-14
	CNPH*3617A**	28,800	TDR&TXV	15.50		12.50	28,800	3.68	16,900	2.46	8.3	58MVB080-14
	CNPH*3617A**	28,800	TDR&TXV	15.50		13.00	28,800	3.68	16,800	2.46	8.3	58MVB080-20
	CNPH*3617A**	28,800	TDR&TXV	15.50		13.00	28,800	3.70	16,800	2.48	8.3	58MVB100-20
	CNPH*3617A**	28,800	TDR&TXV	15.50		13.00	28,800	3.68	16,700	2.46	8.3	58MVB120-20
	CNPH*3617A**	29,000	TXV		14.00	12.00	30,000	3.66	17,800	2.40	8.2	
	CNPV*3014A**	28,800	TDR&TXV	15.00		12.50	28,800	3.66	16,900	2.44	8.2	58CV(A,X)070-12
	CNPV*3014A**	29,000	TXV		14.00	12.00	30,000	3.66	17,800	2.40	8.2	
	CNPV*3017A**	28,800	TDR&TXV	15.50		13.00	28,800	3.70	16,800	2.48	8.3	58CV(A,X)090-16
	CNPV*3017A**	28,800	TDR&TXV	15.50		13.00	28,800	3.68	16,800	2.46	8.3	58MVB060-14
	CNPV*3017A**	29,000	TXV		14.00	12.00	30,000	3.66	17,800	2.40	8.2	
	CNPV*3617A**	28,800	TDR&TXV	15.50		13.00	28,800	3.70	16,800	2.48	8.3	58CV(A,X)090-16
	CNPV*3617A**	28,800	TDR&TXV	15.50		13.00	28,800	3.68	16,800	2.46	8.3	58MVB060-14
	CNPV*3617A**	29,000	TXV		14.00	12.00	30,000	3.66	17,800	2.40	8.2	
	CNPV*3621A**	29,000	TDR&TXV	15.50		13.00	28,800	3.72	16,800	2.48	8.3	58CV(A,X)110-20
	CNPV*3621A**	28,800	TDR&TXV	15.50		12.50	28,800	3.68	16,900	2.46	8.3	58MVB080-14
	CNPV*3621A**	28,800	TDR&TXV	15.50		13.00	28,800	3.68	16,800	2.46	8.3	58MVB080-20
	CNPV*3621A**	28,800	TDR&TXV	15.50		13.00	28,800	3.70	16,800	2.48	8.3	58MVB100-20
	CNPV*3621A**	29,000	TXV		14.00	12.00	30,000	3.66	17,800	2.40	8.2	
	CSPH*3012A**	28,800	TDR&TXV	15.50		12.90	28,800	3.68	16,900	2.46	8.3	58CV(A,X)070-12
	CSPH*3012A**	28,800	TDR&TXV	15.50		13.00	28,800	3.70	16,800	2.48	8.3	58CV(A,X)090-16
	CSPH*3012A**	29,000	TDR&TXV	15.50		13.00	28,800	3.72	16,900	2.48	8.4	58CV(A,X)110-20
	CSPH*3012A**	29,000	TDR&TXV	15.50		13.00	28,800	3.72	16,800	2.48	8.3	58CV(A,X)135-22
	CSPH*3012A**	29,000	TDR&TXV	15.50		13.00	28,800	3.74	16,800	2.50	8.4	58CV(A,X)155-22
	CSPH*3012A**	28,800	TDR&TXV	15.00		12.50	28,800	3.68	16,900	2.46	8.3	58MVB040-14
	CSPH*3012A**	28,800	TDR&TXV	15.50		12.50	28,800	3.68	16,900	2.46	8.3	58MVB060-14
	CSPH*3012A**	28,800	TDR&TXV	15.50		12.50	28,800	3.68	16,900	2.46	8.3	58MVB080-14
	CSPH*3012A**	28,800	TDR&TXV	15.50		13.00	28,800	3.70	16,900	2.46	8.3	58MVB080-20
	CSPH*3012A**	28,800	TDR&TXV	15.50		13.00	28,800	3.70	16,900	2.48	8.3	58MVB100-20
	CSPH*3012A**	28,800	TDR&TXV	15.50		13.00	28,800	3.68	16,800	2.46	8.3	58MVB120-20
	CSPH*3012A**	29,000	TXV		14.00	12.00	30,000	3.68	17,800	2.42	8.2	
	CSPH*3612A**	28,800	TDR&TXV	15.50		13.00	28,800	3.80	17,000	2.52	8.4	58CV(A,X)070-12
CSPH*3612A**	28,800	TDR&TXV	15.50		13.00	28,800	3.82	16,900	2.54	8.4	58CV(A,X)090-16	

See notes on pg. 17

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									
			Cooling				Heating					Furnace Model
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF	
							E Capacity	E COP	H Capacity	H COP		
30-30	CSPH*3612A**	29,000	TDR&TXV	15.50		13.00	28,800	3.84	16,900	2.54	8.4	58CV(A,X)110-20
	CSPH*3612A**	29,000	TDR&TXV	15.50		13.00	28,800	3.84	16,900	2.54	8.4	58CV(A,X)135-22
	CSPH*3612A**	29,000	TDR&TXV	15.50		13.00	28,800	3.86	16,900	2.54	8.4	58CV(A,X)155-22
	CSPH*3612A**	28,800	TDR&TXV	15.00		12.50	28,800	3.80	17,000	2.50	8.3	58MVB040-14
	CSPH*3612A**	28,800	TDR&TXV	15.50		13.00	28,800	3.80	16,900	2.52	8.4	58MVB060-14
	CSPH*3612A**	28,800	TDR&TXV	15.50		13.00	28,800	3.80	17,000	2.52	8.3	58MVB080-14
	CSPH*3612A**	28,800	TDR&TXV	15.50		13.00	28,800	3.80	17,000	2.52	8.4	58MVB080-20
	CSPH*3612A**	29,000	TDR&TXV	15.50		13.00	28,800	3.82	16,900	2.52	8.4	58MVB100-20
CSPH*3612A**	29,000	TDR&TXV	15.50		13.00	28,800	3.80	16,900	2.52	8.4	58MVB120-20	
CSPH*3612A**	29,000	TXV		14.00	12.00	30,000	3.78	17,900	2.46	8.3		
36-30	*FX4CN(B,F)042	36,000	TDR&TXV	15.50		12.50	34,000	3.74	19,800	2.46	8.4	
	FE4ANB006	36,000	TDR&TXV	16.00		13.00	33,600	3.90	19,400	2.56	8.4	
	FE4ANF002	34,600	TDR&TXV	15.00		12.50	33,200	3.56	19,400	2.38	7.8	
	FE4ANF003	34,800	TDR&TXV	15.50		12.50	33,000	3.58	19,200	2.42	7.8	
	FE4ANF005	36,000	TDR&TXV	16.00		13.00	33,400	3.80	19,400	2.52	8.2	
	FE5ANB004	36,000	TDR&TXV	16.00		13.00	33,600	3.92	19,400	2.56	8.4	
	FF1ENP036	34,600	TDR&TXV	13.50		11.20	34,200	3.44	20,200	2.30	7.7	
	FV4BNB006	36,000	TDR&TXV	16.00		13.00	33,600	3.90	19,400	2.56	8.4	
	FV4BNF002	34,600	TDR&TXV	15.00		12.50	33,200	3.56	19,400	2.38	7.8	
	FV4BNF003	34,800	TDR&TXV	15.00		12.50	33,000	3.58	19,200	2.42	7.8	
	FV4BNF005	36,000	TDR&TXV	16.00		13.00	33,400	3.80	19,400	2.52	8.2	
	FX4CN(B,F)036	35,200	TDR&TXV	15.00		12.50	33,600	3.64	19,700	2.42	8.0	
	FY4ANF036	34,600	TDR&TXV	13.50		11.20	34,400	3.46	20,400	2.30	7.7	
	FY4ANF042	35,000	TDR&TXV	14.00		11.50	34,600	3.56	20,400	2.34	8.0	
	CAP**3614A**	33,400	TDR&TXV	14.50		12.00	33,200	3.46	19,400	2.36	7.7	58CV(A,X)070-12
	CAP**3614A**	33,600	TXV		14.00	11.50	33,200	3.44	20,000	2.30	7.7	
	CAP**3617A**	34,600	TDR&TXV	15.00		12.50	33,000	3.52	19,200	2.38	7.7	58CV(A,X)090-16
	CAP**3617A**	34,400	TDR&TXV	15.00		12.50	33,000	3.50	19,300	2.38	7.7	58MVB060-14
	CAP**3617A**	34,600	TXV		14.00	11.50	34,200	3.48	20,200	2.32	7.7	
	CAP**3621A**	34,600	TDR&TXV	15.00		12.50	33,000	3.54	19,200	2.40	7.8	58CV(A,X)110-20
	CAP**3621A**	34,400	TDR&TXV	14.50		12.00	33,000	3.48	19,300	2.36	7.7	58MVB080-14
	CAP**3621A**	34,400	TDR&TXV	15.00		12.50	33,000	3.50	19,300	2.38	7.7	58MVB080-20
	CAP**3621A**	34,600	TDR&TXV	15.00		12.50	33,000	3.52	19,200	2.38	7.7	58MVB100-20
	CAP**3621A**	34,600	TXV		14.00	11.50	34,200	3.48	20,200	2.32	7.7	
	CAP**4221A**	34,800	TDR&TXV	15.00		12.50	33,000	3.58	19,300	2.42	7.8	58CV(A,X)110-20
	CAP**4221A**	34,600	TDR&TXV	15.00		12.50	33,200	3.52	19,400	2.38	7.7	58MVB080-14
	CAP**4221A**	34,800	TDR&TXV	15.00		12.50	33,200	3.54	19,300	2.40	7.8	58MVB080-20
	CAP**4221A**	34,800	TDR&TXV	15.00		12.50	33,200	3.56	19,300	2.40	7.8	58MVB100-20
	CAP**4221A**	35,000	TXV		14.00	11.50	34,400	3.52	20,400	2.34	7.7	
	CAP**4224A**	34,800	TDR&TXV	15.50		12.50	33,000	3.60	19,200	2.42	7.9	58CV(A,X)135-22
	CAP**4224A**	35,000	TDR&TXV	15.50		13.00	33,000	3.62	19,100	2.44	7.9	58CV(A,X)155-22
	CAP**4224A**	34,600	TDR&TXV	15.00		12.50	33,200	3.54	19,400	2.38	7.7	58MVB040-14
	CAP**4224A**	34,800	TDR&TXV	15.00		12.50	33,000	3.56	19,200	2.40	7.8	58MVB120-20
	CAP**4224A**	35,000	TXV		14.00	11.50	34,400	3.52	20,400	2.34	7.7	
	CNPF*3618A**	34,600	TXV		13.50	11.20	34,200	3.46	20,200	2.32	7.7	
	CNPH*3617A**	34,200	TDR&TXV	14.50		12.00	33,000	3.46	19,400	2.34	7.7	58CV(A,X)070-12
	CNPH*3617A**	34,400	TDR&TXV	15.00		12.50	33,000	3.50	19,200	2.38	7.7	58CV(A,X)090-16
	CNPH*3617A**	34,400	TDR&TXV	15.00		12.50	33,000	3.50	19,300	2.38	7.7	58CV(A,X)110-20
	CNPH*3617A**	34,400	TDR&TXV	15.00		12.50	33,000	3.50	19,200	2.38	7.7	58CV(A,X)135-22
	CNPH*3617A**	34,600	TDR&TXV	15.00		12.50	33,000	3.52	19,200	2.40	7.7	58CV(A,X)155-22
	CNPH*3617A**	34,200	TDR&TXV	14.50		12.00	33,000	3.44	19,400	2.34	7.7	58MVB040-14
	CNPH*3617A**	34,400	TDR&TXV	15.00		12.00	33,000	3.46	19,300	2.36	7.7	58MVB060-14
	CNPH*3617A**	34,200	TDR&TXV	14.50		12.00	33,000	3.42	19,400	2.34	7.7	58MVB080-14
	CNPH*3617A**	34,400	TDR&TXV	15.00		12.00	33,000	3.46	19,300	2.36	7.7	58MVB080-20
	CNPH*3617A**	34,400	TDR&TXV	15.00		12.00	33,000	3.48	19,300	2.36	7.7	58MVB100-20
	CNPH*3617A**	34,400	TDR&TXV	15.00		12.50	33,000	3.48	19,200	2.36	7.7	58MVB120-20
	CNPH*3617A**	34,600	TXV		14.00	11.50	34,200	3.46	20,200	2.32	7.7	
	CNPH*4221A**	34,600	TDR&TXV	15.00		12.50	33,200	3.58	19,300	2.40	7.8	58CV(A,X)070-12
	CNPH*4221A**	34,800	TDR&TXV	15.50		13.00	33,000	3.62	19,100	2.44	7.8	58CV(A,X)090-16
	CNPH*4221A**	34,800	TDR&TXV	15.50		13.00	33,000	3.64	19,200	2.44	7.8	58CV(A,X)110-20
	CNPH*4221A**	34,800	TDR&TXV	15.50		13.00	32,800	3.64	19,100	2.46	8.0	58CV(A,X)135-22
	CNPH*4221A**	34,800	TDR&TXV	15.50		13.00	32,800	3.66	19,000	2.46	7.9	58CV(A,X)155-22

See notes on pg. 17

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									
			Cooling				Heating				HSPF	Furnace Model
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp			
E Capacity	E COP	H Capacity					H COP					
36-30	CNPH*4221A**	34,600	TDR&TXV	15.00		12.50	33,000	3.58	19,300	2.40	7.7	58MVB040-14
	CNPH*4221A**	34,800	TDR&TXV	15.00		12.50	33,000	3.60	19,200	2.42	7.8	58MVB060-14
	CNPH*4221A**	34,800	TDR&TXV	15.00		12.50	33,000	3.56	19,300	2.40	7.7	58MVB080-14
	CNPH*4221A**	34,800	TDR&TXV	15.00		12.50	33,000	3.58	19,300	2.42	7.8	58MVB080-20
	CNPH*4221A**	34,800	TDR&TXV	15.00		12.50	33,000	3.60	19,200	2.42	7.8	58MVB100-20
	CNPH*4221A**	34,800	TDR&TXV	15.00		12.50	33,000	3.60	19,100	2.44	7.8	58MVB120-20
	CNPH*4221A**	35,000	TXV		14.00	11.50	34,400	3.54	20,400	2.34	7.7	
36-30	CNPV*3617A**	34,400	TDR&TXV	15.00		12.50	33,000	3.50	19,200	2.38	7.7	58CV(A,X)090-16
	CNPV*3617A**	34,400	TDR&TXV	15.00		12.00	33,000	3.46	19,300	2.36	7.7	58MVB060-14
	CNPV*3617A**	34,600	TXV		14.00	11.50	34,200	3.46	20,200	2.32	7.7	
	CNPV*3621A**	34,400	TDR&TXV	15.00		12.50	33,000	3.50	19,300	2.38	7.7	58CV(A,X)110-20
	CNPV*3621A**	34,200	TDR&TXV	14.50		12.00	33,000	3.44	19,400	2.34	7.7	58MVB080-14
	CNPV*3621A**	34,400	TDR&TXV	14.50		12.00	33,000	3.48	19,300	2.36	7.7	58MVB080-20
	CNPV*3621A**	34,400	TDR&TXV	15.00		12.50	33,000	3.48	19,300	2.36	7.7	58MVB100-20
	CNPV*3621A**	34,600	TXV		14.00	11.50	34,200	3.46	20,200	2.32	7.7	
	CNPV*4221A**	34,800	TDR&TXV	15.00		12.50	33,000	3.64	19,200	2.44	7.8	58CV(A,X)110-20
	CNPV*4221A**	34,600	TDR&TXV	15.00		12.50	33,000	3.56	19,300	2.40	7.7	58MVB080-14
	CNPV*4221A**	34,800	TDR&TXV	15.00		12.50	33,000	3.58	19,300	2.42	7.8	58MVB080-20
	CNPV*4221A**	34,800	TDR&TXV	15.00		12.50	33,000	3.60	19,200	2.42	7.8	58MVB100-20
	CNPV*4221A**	35,000	TXV		14.00	11.50	34,400	3.54	20,400	2.34	7.7	
	CSPH*3612A**	34,600	TDR&TXV	15.00		12.50	33,000	3.60	19,500	2.40	7.8	58CV(A,X)070-12
	CSPH*3612A**	34,600	TDR&TXV	15.00		12.50	33,000	3.64	19,400	2.44	7.8	58CV(A,X)090-16
	CSPH*3612A**	34,600	TDR&TXV	15.00		12.50	33,000	3.66	19,400	2.44	7.8	58CV(A,X)110-20
	CSPH*3612A**	34,600	TDR&TXV	15.00		12.50	33,000	3.66	19,300	2.44	7.9	58CV(A,X)135-22
	CSPH*3612A**	34,600	TDR&TXV	15.00		12.50	33,000	3.68	19,300	2.46	8.0	58CV(A,X)155-22
	CSPH*3612A**	34,600	TDR&TXV	15.00		12.50	33,000	3.58	19,500	2.40	7.7	58MVB040-14
	CSPH*3612A**	34,400	TDR&TXV	15.00		12.50	33,000	3.62	19,400	2.42	7.7	58MVB060-14
	CSPH*3612A**	34,400	TDR&TXV	15.00		12.50	33,000	3.58	19,500	2.40	7.7	58MVB080-14
	CSPH*3612A**	34,400	TDR&TXV	15.00		12.50	33,000	3.62	19,400	2.42	7.7	58MVB080-20
	CSPH*3612A**	34,600	TDR&TXV	15.00		12.50	33,000	3.62	19,400	2.42	7.8	58MVB100-20
	CSPH*3612A**	34,600	TDR&TXV	15.00		12.50	33,000	3.62	19,400	2.42	7.8	58MVB120-20
	CSPH*3612A**	34,600	TXV		14.00	11.50	34,200	3.60	20,400	2.38	7.7	
	CSPH*4212A**	34,800	TDR&TXV	15.00		12.50	33,200	3.64	19,500	2.42	7.8	58CV(A,X)070-12
	CSPH*4212A**	34,800	TDR&TXV	15.00		12.50	33,200	3.68	19,400	2.46	7.8	58CV(A,X)090-16
	CSPH*4212A**	34,800	TDR&TXV	15.00		12.50	33,200	3.70	19,400	2.46	7.8	58CV(A,X)110-20
	CSPH*4212A**	34,800	TDR&TXV	15.00		12.50	33,200	3.70	19,400	2.46	7.8	58CV(A,X)135-22
	CSPH*4212A**	35,000	TDR&TXV	15.50		13.00	33,200	3.72	19,300	2.48	7.8	58CV(A,X)155-22
	CSPH*4212A**	34,600	TDR&TXV	15.00		12.50	33,000	3.62	19,500	2.42	7.7	58MVB040-14
	CSPH*4212A**	34,600	TDR&TXV	15.00		12.50	33,200	3.66	19,400	2.44	7.8	58MVB060-14
	CSPH*4212A**	34,600	TDR&TXV	15.00		12.50	33,200	3.62	19,500	2.42	7.8	58MVB080-14
	CSPH*4212A**	34,800	TDR&TXV	15.00		12.50	33,200	3.66	19,500	2.44	7.8	58MVB080-20
	CSPH*4212A**	34,800	TDR&TXV	15.00		12.50	33,200	3.66	19,500	2.44	7.8	58MVB100-20
	CSPH*4212A**	34,800	TDR&TXV	15.00		12.50	33,200	3.66	19,400	2.44	7.8	58MVB120-20
	CSPH*4212A**	35,000	TXV		14.00	12.00	34,400	3.64	20,400	2.38	7.7	
42-30	*FX4CN(B,F)048	42,000	TDR&TXV	15.50		12.50	42,000	3.80	25,400	2.64	8.5	
	FE4ANB006	42,000	TDR&TXV	16.00		13.00	41,500	3.82	25,000	2.66	8.7	
	FE4ANF003	40,500	TDR&TXV	14.50		12.00	40,500	3.50	24,800	2.52	8.1	
	FE4ANF005	42,000	TDR&TXV	15.50		12.50	41,000	3.72	25,000	2.62	8.5	
	FE5ANB004	42,000	TDR&TXV	16.00		13.00	41,500	3.86	25,000	2.68	8.7	
	FV4BNB006	42,000	TDR&TXV	16.00		13.00	41,500	3.82	25,000	2.66	8.7	
	FV4BNF003	40,500	TDR&TXV	14.50		11.50	40,500	3.50	24,800	2.52	8.1	
	FV4BNF005	42,000	TDR&TXV	15.50		12.50	41,000	3.72	25,000	2.62	8.5	
	FX4CN(B,F)042	42,000	TDR&TXV	14.50		12.00	41,500	3.66	25,600	2.56	8.4	
	FY4ANF042	41,500	TDR&TXV	13.50		11.20	42,000	3.50	26,200	2.46	8.0	
	FY4ANF048	42,000	TDR&TXV	14.00		11.50	42,500	3.60	26,200	2.50	8.2	
	CAP**4221A**	41,000	TDR&TXV	14.50		12.00	40,500	3.50	24,800	2.52	8.1	58CV(A,X)110-20
	CAP**4221A**	40,500	TDR&TXV	14.00		11.50	40,500	3.42	25,000	2.48	8.0	58MVB080-14
	CAP**4221A**	40,500	TDR&TXV	14.00		12.00	40,500	3.46	25,000	2.50	8.0	58MVB080-20
	CAP**4221A**	40,500	TDR&TXV	14.00		12.00	40,500	3.48	25,000	2.50	8.0	58MVB100-20
	CAP**4221A**	41,000	TXV		13.50	11.20	42,000	3.48	26,000	2.46	8.0	
	CAP**4224A**	41,000	TDR&TXV	14.50		12.00	40,500	3.52	24,800	2.54	8.2	58CV(A,X)135-22
	CAP**4224A**	41,000	TDR&TXV	14.50		12.00	40,500	3.52	24,600	2.54	8.2	58CV(A,X)155-22
	CAP**4224A**	40,500	TDR&TXV	14.00		11.50	40,500	3.44	25,000	2.48	8.0	58MVB040-14
	CAP**4224A**	40,500	TDR&TXV	14.50		12.00	40,500	3.48	24,800	2.50	8.0	58MVB120-20
	CAP**4224A**	41,000	TXV		13.50	11.20	42,000	3.48	26,000	2.46	8.0	
	CAP**4817A**	40,000	TDR&TXV	14.50		12.00	41,000	3.64	25,200	2.58	8.3	58CV(A,X)090-16
	CAP**4817A**	40,000	TDR&TXV	14.00		12.00	41,500	3.62	25,200	2.56	8.3	58MVB060-14
	CAP**4817A**	40,500	TXV		14.00	11.50	42,500	3.66	26,200	2.52	8.3	

See notes on pg. 17

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Cooling Capacity	ARI Standard Ratings										
			Cooling				Heating					Furnace Model	
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF		
							E Capacity	E COP	H Capacity	H COP			
42-30	CAP**4821A**	41,500	TDR&TXV	14.50		12.00	41,000	3.62	25,000	2.56	8.3	58CV(A,X)110-20	
	CAP**4821A**	41,000	TDR&TXV	14.00		12.00	41,000	3.54	25,200	2.52	8.2	58MVB080-14	
	CAP**4821A**	41,500	TDR&TXV	14.50		12.00	41,000	3.58	25,200	2.54	8.2	58MVB080-20	
	CAP**4821A**	41,500	TDR&TXV	14.50		12.00	41,000	3.60	25,000	2.56	8.3	58MVB100-20	
	CAP**4821A**	41,500	TXV		14.00	11.50	42,500	3.60	26,200	2.50	8.2		
	CAP**4824A**	41,500	TDR&TXV	15.00		12.50	41,000	3.64	25,000	2.58	8.4	58CV(A,X)135-22	
	CAP**4824A**	41,500	TDR&TXV	15.00		12.50	41,000	3.64	24,800	2.58	8.3	58CV(A,X)155-22	
	CAP**4824A**	41,000	TDR&TXV	14.00		12.00	41,000	3.54	25,200	2.52	8.2	58MVB040-14	
	CAP**4824A**	41,500	TDR&TXV	14.50		12.00	41,000	3.58	25,000	2.56	8.2	58MVB120-20	
	CAP**4824A**	41,500	TXV		14.00	11.50	42,500	3.60	26,200	2.50	8.2		
	CNPF*4818A**	40,500	TXV			13.50	11.20	41,500	3.56	26,000	2.48	8.0	
	CNPH*4221A**	40,500	TDR&TXV	14.00			12.00	40,500	3.48	25,000	2.50	8.0	58CV(A,X)070-12
	CNPH*4221A**	40,500	TDR&TXV	14.00			12.00	40,500	3.52	24,800	2.54	8.2	58CV(A,X)090-16
	CNPH*4221A**	41,000	TDR&TXV	14.50			12.00	40,500	3.56	24,600	2.56	8.2	58CV(A,X)110-20
	CNPH*4221A**	41,000	TDR&TXV	14.50			12.00	40,500	3.58	24,600	2.56	8.2	58CV(A,X)135-22
	CNPH*4221A**	41,000	TDR&TXV	14.50			12.00	40,500	3.56	24,600	2.56	8.2	58CV(A,X)155-22
	CNPH*4221A**	40,500	TDR&TXV	14.00			12.00	40,500	3.48	24,800	2.50	8.0	58MVB040-14
	CNPH*4221A**	40,500	TDR&TXV	14.00			12.00	40,500	3.50	24,800	2.52	8.0	58MVB060-14
	CNPH*4221A**	40,500	TDR&TXV	14.00			12.00	40,500	3.46	24,800	2.50	8.0	58MVB080-14
	CNPH*4221A**	40,500	TDR&TXV	14.00			12.00	40,500	3.50	24,800	2.52	8.0	58MVB080-20
	CNPH*4221A**	40,500	TDR&TXV	14.00			12.00	40,500	3.52	24,800	2.54	8.2	58MVB100-20
	CNPH*4221A**	40,500	TDR&TXV	14.50			12.00	40,500	3.52	24,600	2.54	8.2	58MVB120-20
	CNPH*4221A**	41,000	TXV			13.50	11.20	42,000	3.50	26,000	2.46	8.0	
	CNPH*4821A**	41,000	TDR&TXV	14.00			12.00	41,000	3.56	25,200	2.52	8.2	58CV(A,X)070-12
	CNPH*4821A**	41,000	TDR&TXV	14.00			12.00	41,000	3.62	25,000	2.56	8.3	58CV(A,X)090-16
	CNPH*4821A**	41,500	TDR&TXV	14.50			12.00	41,000	3.64	25,000	2.58	8.3	58CV(A,X)110-20
	CNPH*4821A**	41,500	TDR&TXV	14.50			12.00	41,000	3.66	25,000	2.58	8.4	58CV(A,X)135-22
	CNPH*4821A**	41,500	TDR&TXV	14.50			12.00	41,000	3.64	24,800	2.58	8.4	58CV(A,X)155-22
	CNPH*4821A**	41,000	TDR&TXV	14.00			12.00	41,000	3.56	25,200	2.52	8.2	58MVB040-14
	CNPH*4821A**	41,000	TDR&TXV	14.00			12.00	41,000	3.58	25,000	2.54	8.2	58MVB060-14
	CNPH*4821A**	41,000	TDR&TXV	14.00			12.00	41,000	3.54	25,200	2.52	8.2	58MVB080-14
	CNPH*4821A**	41,500	TDR&TXV	14.50			12.00	41,000	3.58	25,200	2.54	8.2	58MVB080-20
	CNPH*4821A**	41,500	TDR&TXV	14.50			12.00	41,000	3.60	25,000	2.56	8.3	58MVB100-20
	CNPH*4821A**	41,500	TDR&TXV	14.50			12.00	41,000	3.60	25,000	2.56	8.3	58MVB120-20
	CNPH*4821A**	41,500	TXV			14.00	11.50	42,500	3.60	26,200	2.50	8.2	
	CNPV*4221A**	41,000	TDR&TXV	14.50			12.00	40,500	3.56	24,600	2.56	8.2	58CV(A,X)110-20
	CNPV*4221A**	40,500	TDR&TXV	14.00			12.00	40,500	3.46	24,800	2.50	8.0	58MVB080-14
	CNPV*4221A**	40,500	TDR&TXV	14.00			12.00	40,500	3.50	24,800	2.52	8.1	58MVB080-20
	CNPV*4221A**	40,500	TDR&TXV	14.00			12.00	40,500	3.52	24,800	2.54	8.2	58MVB100-20
	CNPV*4221A**	41,000	TXV			13.50	11.20	42,000	3.50	26,000	2.46	8.0	
	CNPV*4821A**	41,500	TDR&TXV	14.50			12.00	41,000	3.64	25,000	2.58	8.3	58CV(A,X)110-20
	CNPV*4821A**	41,000	TDR&TXV	14.00			12.00	40,500	3.54	25,200	2.52	8.2	58MVB080-14
	CNPV*4821A**	41,500	TDR&TXV	14.50			12.00	40,500	3.58	25,200	2.54	8.2	58MVB080-20
	CNPV*4821A**	41,500	TDR&TXV	14.50			12.00	41,000	3.60	25,000	2.56	8.3	58MVB100-20
	CNPV*4821A**	41,500	TXV			14.00	11.50	42,500	3.60	26,200	2.50	8.2	
	CNPV*4824A**	41,000	TDR&TXV	14.50			12.00	41,000	3.66	25,000	2.58	8.3	58CV(A,X)135-22
	CNPV*4824A**	41,000	TDR&TXV	14.50			12.00	41,000	3.64	24,800	2.58	8.3	58CV(A,X)155-22
	CNPV*4824A**	40,500	TDR&TXV	14.00			12.00	41,000	3.56	25,200	2.52	8.2	58MVB040-14
	CNPV*4824A**	40,500	TDR&TXV	14.50			12.00	41,000	3.60	25,000	2.56	8.3	58MVB120-20
	CNPV*4824A**	41,500	TXV			14.00	11.50	42,500	3.60	26,200	2.50	8.2	
	CSPH*4212A**	40,500	TDR&TXV	14.00			12.00	40,500	3.56	25,400	2.52	8.2	58CV(A,X)070-12
	CSPH*4212A**	40,500	TDR&TXV	14.50			12.00	40,500	3.60	25,000	2.56	8.2	58CV(A,X)090-16
	CSPH*4212A**	41,000	TDR&TXV	14.50			12.00	40,500	3.62	25,200	2.56	8.2	58CV(A,X)110-20
	CSPH*4212A**	41,000	TDR&TXV	14.50			12.00	40,500	3.64	25,000	2.58	8.2	58CV(A,X)135-22
	CSPH*4212A**	41,000	TDR&TXV	14.50			12.00	40,500	3.64	25,000	2.58	8.2	58CV(A,X)155-22
	CSPH*4212A**	40,500	TDR&TXV	14.00			11.50	40,500	3.54	25,200	2.52	8.0	58MVB040-14
	CSPH*4212A**	40,500	TDR&TXV	14.50			12.00	40,500	3.58	25,200	2.54	8.0	58MVB060-14
	CSPH*4212A**	40,500	TDR&TXV	14.00			12.00	40,500	3.54	25,200	2.52	8.0	58MVB080-14
	CSPH*4212A**	40,500	TDR&TXV	14.50			12.00	40,500	3.58	25,200	2.54	8.2	58MVB080-20
	CSPH*4212A**	40,500	TDR&TXV	14.50			12.00	40,500	3.60	25,200	2.54	8.2	58MVB100-20
	CSPH*4212A**	40,500	TDR&TXV	14.50			12.00	40,500	3.58	25,000	2.56	8.2	58MVB120-20
	CSPH*4212A**	41,000	TXV			14.00	11.50	42,000	3.62	26,200	2.52	8.0	
	CSPH*4812A**	41,000	TDR&TXV	14.50			12.00	41,000	3.58	25,400	2.54	8.2	58CV(A,X)070-12
	CSPH*4812A**	41,000	TDR&TXV	14.50			12.00	41,000	3.64	25,200	2.56	8.2	58CV(A,X)090-16
	CSPH*4812A**	41,500	TDR&TXV	14.50			12.00	41,000	3.64	25,200	2.58	8.3	58CV(A,X)110-20

See notes on pg. 17

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COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									
			Cooling				Heating					Furnace Model
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF	
							E Capacity	E COP	H Capacity	H COP		
42-30	CSPH*4812A**	41,500	TDR&TXV	14.50		12.00	41,000	3.68	25,000	2.60	8.4	58CV(A,X)135-22
	CSPH*4812A**	41,500	TDR&TXV	14.50		12.00	41,000	3.66	25,000	2.60	8.4	58CV(A,X)155-22
	CSPH*4812A**	41,000	TDR&TXV	14.00		12.00	41,000	3.58	25,200	2.54	8.2	58MVB040-14
	CSPH*4812A**	41,000	TDR&TXV	14.50		12.00	41,000	3.60	25,200	2.56	8.2	58MVB060-14
	CSPH*4812A**	41,000	TDR&TXV	14.50		12.00	41,000	3.56	25,400	2.52	8.2	58MVB080-14
	CSPH*4812A**	41,500	TDR&TXV	14.50		12.00	41,000	3.60	25,200	2.54	8.3	58MVB080-20
	CSPH*4812A**	41,500	TDR&TXV	14.50		12.00	41,000	3.62	25,200	2.56	8.3	58MVB100-20
	CSPH*4812A**	41,500	TDR&TXV	14.50		12.00	41,000	3.62	25,000	2.56	8.3	58MVB120-20
40-50	CSPH*4812A**	41,500	TXV		14.00	11.50	42,500	3.64	26,200	2.52	8.2	
	*FX4CN(B,F)060	48,000	TDR&TXV	15.50		13.0	48,000	3.98	30,000	2.68	9.0	
	FE4ANB006	48,000	TDR&TXV	15.50		13.00	47,000	3.88	29,400	2.66	8.7	
	FE4ANF005	48,000	TDR&TXV	15.00		12.50	47,000	3.74	29,400	2.60	8.4	
	FV4BNB006	48,000	TDR&TXV	15.50		13.00	47,000	3.88	29,400	2.66	8.7	
	FV4BNF005	48,000	TDR&TXV	15.00		12.50	47,000	3.74	29,400	2.60	8.4	
	FX4CN(B,F)048	48,000	TDR&TXV	15.00		12.50	48,000	3.82	30,000	2.62	8.5	
	FY4ANB060	48,000	TDR&TXV	14.00		12.00	49,000	3.76	31,000	2.54	8.4	
	FY4ANF048	48,000	TDR&TXV	13.50		11.20	48,000	3.66	31,000	2.50	8.2	
	CAP**4817A**	46,000	TDR&TXV	14.00		12.00	47,000	3.66	29,800	2.54	8.2	58CV(A,X)090-16
	CAP**4817A**	47,000	TXV		14.00	12.00	47,500	3.64	30,200	2.50	8.2	
	CAP**4821A**	47,000	TDR&TXV	14.00		12.00	47,000	3.64	29,600	2.54	8.2	58CV(A,X)110-20
	CAP**4821A**	47,000	TDR&TXV	14.00		12.00	47,000	3.58	29,800	2.50	8.1	58MVB080-20
	CAP**4821A**	47,000	TDR&TXV	14.50		12.00	47,000	3.60	29,600	2.52	8.2	58MVB100-20
	CAP**4821A**	48,000	TXV		14.00	12.00	48,500	3.68	30,600	2.52	8.3	
	CAP**4824A**	47,500	TDR&TXV	14.50		12.00	47,000	3.66	29,400	2.56	8.2	58CV(A,X)135-22
	CAP**4824A**	47,500	TDR&TXV	15.00		12.50	47,000	3.70	29,400	2.58	8.3	58CV(A,X)155-22
	CAP**4824A**	47,000	TDR&TXV	14.50		12.00	47,000	3.60	29,600	2.52	8.2	58MVB120-20
	CAP**4824A**	48,000	TXV		14.00	12.00	48,500	3.68	30,600	2.52	8.3	
	CAP**6021A**	48,000	TDR&TXV	15.00		12.50	47,000	3.72	29,600	2.58	8.3	58CV(A,X)110-20
	CAP**6021A**	48,000	TDR&TXV	14.50		12.00	47,500	3.66	29,800	2.54	8.2	58MVB080-20
	CAP**6021A**	48,000	TDR&TXV	14.50		12.00	47,000	3.68	29,800	2.56	8.3	58MVB100-20
	CAP**6021A**	48,000	TXV		14.00	12.00	48,500	3.74	30,800	2.54	8.4	
	CAP**6024A**	48,000	TDR&TXV	15.00		12.50	47,000	3.74	29,600	2.60	8.3	58CV(A,X)135-22
	CAP**6024A**	48,000	TDR&TXV	15.00		12.50	47,000	3.76	29,400	2.60	8.4	58CV(A,X)155-22
	CAP**6024A**	48,000	TDR&TXV	14.50		12.00	47,000	3.66	29,800	2.56	8.2	58MVB120-20
	CAP**6024A**	48,000	TXV		14.00	12.00	48,500	3.74	30,800	2.54	8.4	
	CNPF*4818A**	47,000	TXV		14.00	11.50	47,000	3.52	30,000	2.46	8.0	
	CNPH*4821A**	47,000	TDR&TXV	14.50		12.00	47,000	3.62	29,600	2.52	8.2	58CV(A,X)090-16
	CNPH*4821A**	47,000	TDR&TXV	14.50		12.00	47,000	3.64	29,600	2.54	8.2	58CV(A,X)110-20
	CNPH*4821A**	47,500	TDR&TXV	14.50		12.00	47,000	3.66	29,400	2.56	8.2	58CV(A,X)135-22
	CNPH*4821A**	47,500	TDR&TXV	15.00		12.50	47,000	3.70	29,400	2.58	8.3	58CV(A,X)155-22
	CNPH*4821A**	47,000	TDR&TXV	14.00		12.00	47,000	3.60	29,800	2.52	8.1	58MVB080-20
	CNPH*4821A**	47,500	TDR&TXV	14.50		12.00	47,000	3.62	29,600	2.52	8.2	58MVB100-20
	CNPH*4821A**	47,000	TDR&TXV	14.50		12.00	47,000	3.60	29,600	2.52	8.2	58MVB120-20
	CNPH*4821A**	48,000	TXV		14.00	12.00	48,500	3.68	30,600	2.52	8.3	
	CNPH*6024A**	48,000	TDR&TXV	14.50		12.00	47,000	3.68	29,600	2.56	8.2	58CV(A,X)090-16
	CNPH*6024A**	48,000	TDR&TXV	15.00		12.50	47,000	3.70	29,600	2.58	8.3	58CV(A,X)110-20
	CNPH*6024A**	48,000	TDR&TXV	15.00		12.50	47,000	3.72	29,400	2.60	8.3	58CV(A,X)135-22
	CNPH*6024A**	48,000	TDR&TXV	15.00		12.50	47,000	3.76	29,400	2.60	8.4	58CV(A,X)155-22
	CNPH*6024A**	48,000	TDR&TXV	14.50		12.00	47,000	3.66	29,800	2.54	8.2	58MVB080-20
	CNPH*6024A**	48,000	TDR&TXV	14.50		12.00	47,000	3.68	29,800	2.56	8.2	58MVB100-20
	CNPH*6024A**	48,000	TDR&TXV	14.50		12.00	47,000	3.66	29,600	2.56	8.2	58MVB120-20
CNPH*6024A**	48,000	TXV		14.00	12.00	48,500	3.72	30,800	2.54	8.3		
CNPV*4821A**	47,000	TDR&TXV	14.50		12.00	47,000	3.64	29,600	2.54	8.2	58CV(A,X)110-20	
CNPV*4821A**	47,000	TDR&TXV	14.00		12.00	47,000	3.60	29,800	2.52	8.1	58MVB080-20	
CNPV*4821A**	47,500	TDR&TXV	14.50		12.00	47,000	3.62	29,600	2.52	8.2	58MVB100-20	
CNPV*4821A**	48,000	TXV		14.00	12.00	48,500	3.68	30,600	2.52	8.3		
CNPV*4824A**	47,500	TDR&TXV	15.00		12.50	47,000	3.66	29,400	2.56	8.2	58CV(A,X)135-22	
CNPV*4824A**	47,500	TDR&TXV	15.00		12.50	47,000	3.70	29,400	2.58	8.3	58CV(A,X)155-22	
CNPV*4824A**	47,000	TDR&TXV	14.50		12.00	47,000	3.60	29,600	2.52	8.2	58MVB120-20	
CNPV*4824A**	48,000	TXV		14.00	12.00	48,500	3.68	30,600	2.52	8.3		
CNPV*6024A**	48,000	TDR&TXV	15.00		12.50	47,000	3.72	29,400	2.60	8.3	58CV(A,X)135-22	
CNPV*6024A**	48,000	TDR&TXV	15.00		12.50	47,000	3.76	29,400	2.60	8.4	58CV(A,X)155-22	
CNPV*6024A**	48,000	TDR&TXV	14.50		12.00	47,000	3.66	29,600	2.56	8.2	58MVB120-20	
CNPV*6024A**	48,000	TXV		14.00	12.00	48,500	3.72	30,800	2.54	8.3		

See notes on pg. 17

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									
			Cooling				Heating					Furnace Model
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF	
E Capacity	E COP	H Capacity					H COP					
48-30	CSPH*4812A**	47,000	TDR&TXV	14.00		12.00	47,000	3.66	29,800	2.54	8.2	58CV(A,X)090-16
	CSPH*4812A**	47,000	TDR&TXV	14.50		12.00	47,000	3.66	29,800	2.54	8.2	58CV(A,X)110-20
	CSPH*4812A**	47,500	TDR&TXV	14.50		12.00	47,000	3.70	29,600	2.56	8.2	58CV(A,X)135-22
	CSPH*4812A**	47,500	TDR&TXV	15.00		12.50	47,000	3.72	29,600	2.58	8.2	58CV(A,X)155-22
	CSPH*4812A**	47,000	TDR&TXV	14.00		12.00	47,000	3.62	29,800	2.52	8.2	58MVB080-20
	CSPH*4812A**	47,000	TDR&TXV	14.50		12.00	47,000	3.64	29,800	2.52	8.2	58MVB100-20
	CSPH*4812A**	47,000	TDR&TXV	14.50		12.00	47,000	3.64	29,800	2.54	8.2	58MVB120-20
	CSPH*4812A**	48,000	TXV		14.00	11.50	48,500	3.72	30,600	2.54	8.3	
	CSPH*6012A**	48,000	TDR&TXV	14.50		12.00	47,000	3.72	29,800	2.58	8.2	58CV(A,X)090-16
	CSPH*6012A**	48,000	TDR&TXV	14.50		12.00	47,000	3.74	29,600	2.58	8.3	58CV(A,X)110-20
	CSPH*6012A**	48,000	TDR&TXV	15.00		12.50	47,000	3.78	29,600	2.60	8.3	58CV(A,X)135-22
	CSPH*6012A**	48,000	TDR&TXV	15.00		12.50	47,000	3.80	29,400	2.62	8.4	58CV(A,X)155-22
	CSPH*6012A**	48,000	TDR&TXV	14.50		12.00	47,000	3.70	29,800	2.56	8.2	58MVB080-20
	CSPH*6012A**	48,000	TDR&TXV	14.50		12.00	47,000	3.72	29,800	2.56	8.2	58MVB100-20
	CSPH*6012A**	48,000	TDR&TXV	14.50		12.00	47,000	3.70	29,800	2.56	8.2	58MVB120-20
	CSPH*6012A**	48,000	TXV		14.00	12.00	48,500	3.78	30,800	2.56	8.3	
60-30	*FX4CN(B,F)060	60,000	TDR&TXV	14.00		11.50	59,500	3.70	37,000	2.60	8.4	
	FE4ANB006	59,500	TDR&TXV	14.00		11.50	59,000	3.68	36,000	2.62	8.3	
	FV4BNB006	59,500	TDR&TXV	14.00		11.50	59,000	3.68	36,000	2.62	8.3	
	FY4ANB060	59,500	TDR&TXV	13.00		10.80	60,000	3.56	37,800	2.50	8.0	
	CAP**6021A**	58,000	TDR&TXV	13.50		11.20	59,000	3.52	36,400	2.52	8.0	58CV(A,X)110-20
	CAP**6021A**	58,000	TXV		13.50	11.20	59,000	3.52	36,600	2.52	7.9	
	CAP**6024A**	58,500	TDR&TXV	13.50		11.20	59,000	3.54	36,200	2.54	8.0	58CV(A,X)135-22
	CAP**6024A**	59,000	TDR&TXV	13.50		11.20	58,500	3.58	36,000	2.56	8.0	58CV(A,X)155-22
	CAP**6024A**	59,000	TXV		13.20	11.00	60,000	3.58	37,200	2.54	8.0	
	CNPH*6024A**	58,500	TDR&TXV	13.50		11.20	58,500	3.48	36,200	2.52	7.9	58CV(A,X)110-20
	CNPH*6024A**	58,500	TDR&TXV	13.50		11.20	59,000	3.52	36,000	2.54	7.9	58CV(A,X)135-22
	CNPH*6024A**	58,500	TDR&TXV	13.50		11.20	59,000	3.54	36,000	2.56	8.0	58CV(A,X)155-22
	CNPH*6024A**	59,000	TXV		13.20	11.00	60,000	3.58	37,000	2.54	8.0	
	CNPV*6024A**	58,500	TDR&TXV	13.50		11.20	59,000	3.52	36,000	2.54	7.9	58CV(A,X)135-22
	CNPV*6024A**	58,500	TDR&TXV	13.50		11.20	59,000	3.54	36,000	2.56	8.0	58CV(A,X)155-22
	CNPV*6024A**	59,000	TXV		13.20	11.00	60,000	3.58	37,000	2.54	8.0	
	CSPH*6012A**	58,500	TDR&TXV	13.50		11.20	58,500	3.58	36,400	2.54	8.0	58CV(A,X)110-20
	CSPH*6012A**	58,500	TDR&TXV	13.50		11.20	58,500	3.60	36,000	2.56	8.0	58CV(A,X)135-22
	CSPH*6012A**	59,000	TDR&TXV	13.50		11.20	58,500	3.64	36,000	2.58	8.0	58CV(A,X)155-22
	CSPH*6012A**	58,500	TXV		13.20	11.00	60,000	3.64	37,200	2.56	8.0	

* Ratings are net values reflecting the effects of circulating fan heat. Supplemental electric heat is not included. Ratings are based on:
Cooling Standard: 80°F (27°C) db 67°F (19°C) wb indoor entering air temperature and 95°F (35°C) db air entering outdoor unit.
High-Temp Heating Standard: 70°F (21°C) db indoor entering air temperature and 47°F (8°C) db 43°F (6°C) wb air entering outdoor unit.
Low-Temp Heating Standard: 70°F (21°C) db indoor entering air temperature and 17°F (±9°C) db 15°F (±10°C) wb air entering outdoor unit.

SEER — Seasonal Energy Efficiency Ratio
COP — Coefficient of Performance
TDR — Time-Delay Relay
HSPF — Heating Seasonal Performance Factor
EER — Energy Efficiency Ratio

25HPA5

DETAILED COOLING CAPACITIES

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																							
CFM	EWB	75				85				95				105				115				125			
		Capacity MBtu/h†		Total Sys-tem KW*‡	Capacity MBtu/h†		Total Sys-tem KW*‡	Capacity MBtu/h†		Total Sys-tem KW*‡	Capacity MBtu/h†		Total Sys-tem KW*‡	Capacity MBtu/h†		Total Sys-tem KW*‡	Capacity MBtu/h†		Total Sys-tem KW*‡						
		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡							
25HPA518A30 Outdoor Section With FX4CNF018 Indoor Section																									
525	72	21.38	11.04	1.16	20.36	10.65	1.30	19.30	10.24	1.46	18.17	9.81	1.65	16.96	9.35	1.85	15.66	8.87	2.07						
	67	19.39	13.53	1.16	18.44	13.12	1.31	17.45	12.70	1.47	16.40	12.26	1.65	15.28	11.79	1.85	14.07	11.29	2.07						
	63	17.97	13.07	1.17	17.08	12.65	1.32	16.14	12.22	1.48	15.14	11.78	1.66	14.08	11.30	1.86	12.95	10.80	2.08						
	62	17.61	16.02	1.17	16.74	15.59	1.32	15.83	15.13	1.48	14.89	14.63	1.66	13.95	13.95	1.86	13.04	13.04	2.08						
	57	16.98	16.98	1.17	16.29	16.29	1.32	15.56	15.56	1.48	14.79	14.79	1.66	13.95	13.95	1.86	13.04	13.04	2.08						
600	72	21.85	11.59	1.17	20.79	11.18	1.31	19.68	10.77	1.48	18.51	10.33	1.66	17.26	9.87	1.86	15.91	9.38	2.08						
	67	19.82	14.40	1.17	18.83	13.98	1.32	17.80	13.55	1.48	16.71	13.10	1.66	15.54	12.62	1.87	14.30	12.11	2.09						
	63	18.37	13.88	1.18	17.44	13.46	1.33	16.47	13.02	1.49	15.43	12.56	1.67	14.34	12.08	1.87	13.16	11.56	2.09						
	62	18.04	17.17	1.18	17.15	16.70	1.33	16.22	16.22	1.49	15.38	15.38	1.67	14.50	14.50	1.87	13.54	13.54	2.09						
	57	17.71	17.71	1.18	16.98	16.98	1.33	16.21	16.21	1.49	15.39	15.39	1.67	14.50	14.50	1.87	13.54	13.54	2.09						
675	72	22.22	12.10	1.18	21.12	11.69	1.32	19.98	11.27	1.49	18.77	10.83	1.67	17.48	10.37	1.87	16.10	9.87	2.09						
	67	20.16	15.23	1.18	19.14	14.80	1.33	18.07	14.36	1.49	16.95	13.90	1.68	15.75	13.41	1.88	14.48	12.88	2.10						
	63	18.69	14.65	1.19	17.73	14.23	1.34	16.72	13.78	1.50	15.66	13.31	1.68	14.54	12.81	1.88	13.34	12.27	2.10						
	62	18.42	18.18	1.19	17.56	17.56	1.34	16.75	16.75	1.50	15.89	15.89	1.68	14.96	14.96	1.88	13.96	13.96	2.10						
	57	18.33	18.33	1.19	17.56	17.56	1.34	16.75	16.75	1.50	15.89	15.89	1.68	14.96	14.96	1.88	13.96	13.96	2.10						

Cooling Indoor Model	Capacity	Power	Furnace Model
*FX4CNF018	1.00	1.00	
FE4ANF002	1.01	0.97	
FF1ENP018	0.98	1.08	
FF1ENP024	0.99	1.08	
FV4BNF002	1.01	0.97	
FX4CNF024	1.01	0.98	
FY4ANF018	0.98	1.09	
FY4ANF024	0.99	1.09	
CAP**1814A**	0.98	1.09	
CAP**2414A**	1.00	1.09	
CAP**2417A**	1.00	1.09	
CNPF*2418A**	0.99	1.10	
CNPH*2417A**	0.99	1.10	
CNPV*1814A**	0.98	1.09	
CNPV*2414A**	0.99	1.10	
CNPV*2417A**	0.99	1.10	
CSPH*2412A**	0.99	1.10	
CAP**1814A**	0.97	0.97	58CV(A,X)070-12
CAP**2414A**	0.99	0.99	58CV(A,X)070-12
CNPH*2417A**	0.99	0.99	58CV(A,X)070-12
CNPV*1814A**	0.97	0.97	58CV(A,X)070-12
CNPV*2414A**	0.99	0.99	58CV(A,X)070-12
CSPH*2412A**	0.99	0.99	58CV(A,X)070-12
CAP**2417A**	0.99	0.99	58CV(A,X)090-16
CNPH*2417A**	0.99	0.99	58CV(A,X)090-16
CNPV*2417A**	0.99	0.99	58CV(A,X)090-16
CSPH*2412A**	0.99	0.99	58CV(A,X)090-16
CNPH*2417A**	0.99	0.99	58MVB040-14
CSPH*2412A**	0.99	0.99	58MVB040-14
CAP**2417A**	0.99	0.99	58MVB060-14
CNPH*2417A**	0.99	0.99	58MVB060-14
CNPV*2417A**	0.99	0.99	58MVB060-14
CSPH*2412A**	0.99	0.99	58MVB060-14
CNPH*2417A**	0.99	0.99	58MVB080-14
CSPH*2412A**	0.99	0.99	58MVB080-14

See notes on pg. 24

25HPA5

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtu/h†		Total Sys-tem KW*	Capacity MBtu/h†		Total Sys-tem KW*	Capacity MBtu/h†		Total Sys-tem KW*	Capacity MBtu/h†		Total Sys-tem KW*	Capacity MBtu/h†		Total Sys-tem KW*			
		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡				
25HPA524A30 Outdoor Section With FX4CNF030 Indoor Section																			
700	72	28.21	14.49	1.47	26.92	13.99	1.65	25.57	13.46	1.85	24.13	12.92	2.07	22.59	12.34	2.31	20.91	11.71	2.57
	67	25.60	17.78	1.46	24.41	17.26	1.64	23.15	16.72	1.84	21.81	16.16	2.06	20.38	15.56	2.30	18.81	14.91	2.56
	63	23.74	17.18	1.46	22.61	16.65	1.64	21.42	16.11	1.84	20.16	15.53	2.06	18.80	14.92	2.29	17.33	14.27	2.55
	62	23.27	21.07	1.46	22.17	20.52	1.64	21.02	19.95	1.84	19.80	19.32	2.05	18.55	18.55	2.29	17.37	17.37	2.55
	57	22.41	22.41	1.46	21.53	21.53	1.64	20.61	20.61	1.83	19.62	19.62	2.05	18.55	18.55	2.29	17.37	17.37	2.55
800	72	28.81	15.19	1.49	27.47	14.68	1.67	26.06	14.14	1.87	24.57	13.59	2.09	22.97	13.00	2.33	21.24	12.37	2.59
	67	26.16	18.90	1.49	24.91	18.37	1.67	23.60	17.82	1.87	22.21	17.25	2.09	20.72	16.63	2.32	19.11	15.97	2.58
	63	24.26	18.23	1.48	23.08	17.69	1.66	21.84	17.14	1.86	20.53	16.55	2.08	19.12	15.93	2.32	17.60	15.26	2.57
	62	23.82	22.56	1.48	22.69	21.98	1.66	21.53	21.32	1.86	20.39	20.39	2.08	19.26	19.26	2.32	18.02	18.02	2.58
	57	23.35	23.35	1.48	22.42	22.42	1.66	21.44	21.44	1.86	20.39	20.39	2.08	19.26	19.26	2.32	18.02	18.02	2.58
900	72	29.28	15.85	1.51	27.90	15.33	1.70	26.44	14.79	1.90	24.91	14.22	2.12	23.26	13.63	2.36	21.48	12.99	2.62
	67	26.58	19.97	1.51	25.29	19.43	1.69	23.94	18.87	1.89	22.51	18.28	2.11	20.98	17.66	2.35	19.34	16.98	2.60
	63	24.66	19.22	1.50	23.44	18.68	1.68	22.17	18.11	1.88	20.82	17.52	2.10	19.37	16.88	2.34	17.82	16.18	2.59
	62	24.30	23.89	1.50	23.18	23.18	1.68	22.14	22.14	1.88	21.05	21.05	2.10	19.86	19.86	2.34	18.56	18.56	2.60
	57	24.15	24.15	1.50	23.18	23.18	1.68	22.15	22.15	1.88	21.05	21.05	2.10	19.86	19.86	2.34	18.57	18.57	2.60

Cooling Indoor Model	Capacity	Power	Furnace Model
*FX4CNF030	1.00	1.00	
FE4ANF002	0.99	0.99	
FE4ANF003	0.99	0.95	
FE5ANB004	1.02	0.94	
FF1ENP024	0.97	1.09	
FF1ENP030	0.97	1.09	
FV4BNF002	0.99	0.99	
FV4BNF003	0.99	0.95	
FX4CNF024	0.98	0.99	
FY4ANF024	0.97	1.06	
FY4ANF030	0.97	1.06	
CAP**2414A**	0.97	1.09	
CAP**2417A**	0.97	1.09	
CAP**3014A**	0.98	1.07	
CAP**3017A**	0.98	1.07	
CNPF*2418A**	0.97	1.09	
CNPH*2417A**	0.97	1.06	
CNPH*3017A**	0.98	1.07	
CNPV*2414A**	0.97	1.06	
CNPV*2417A**	0.97	1.09	
CNPV*3014A**	0.98	1.07	
CNPV*3017A**	0.98	1.07	
CSPH*2412A**	0.97	1.06	
CSPH*3012A**	0.98	1.07	
CAP**2414A**	0.97	0.97	58CV(A,X)070-12
CAP**3014A**	0.98	0.98	58CV(A,X)070-12
CNPH*2417A**	0.97	0.97	58CV(A,X)070-12
CNPH*3017A**	0.98	0.98	58CV(A,X)070-12
CNPV*2414A**	0.97	0.97	58CV(A,X)070-12
CNPV*3014A**	0.98	0.98	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
CAP**2417A**	0.97	0.97	58CV(A,X)090-16
CAP**3017A**	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
CNPV*2417A**	0.97	0.97	58CV(A,X)090-16
CNPV*3017A**	0.98	0.98	58CV(A,X)090-16
CSPH*2412A**	0.97	0.97	58CV(A,X)090-16
CSPH*3012A**	0.98	0.98	58CV(A,X)090-16
CNPH*2417A**	0.97	0.97	58CV(A,X)110-20
CNPH*3017A**	0.98	0.98	58CV(A,X)110-20
CSPH*2412A**	0.97	0.97	58CV(A,X)110-20
CSPH*3012A**	0.98	0.98	58CV(A,X)110-20
CNPH*2417A**	0.97	0.97	58CV(A,X)135-22
CNPH*3017A**	0.98	0.98	58CV(A,X)135-22
CSPH*2412A**	0.97	0.97	58CV(A,X)135-22
CSPH*3012A**	0.98	0.98	58CV(A,X)135-22
CNPH*2417A**	0.97	0.97	58CV(A,X)155-22
CNPH*3017A**	0.98	0.98	58CV(A,X)155-22
CSPH*2412A**	0.97	0.97	58CV(A,X)155-22
CSPH*3012A**	0.98	0.98	58CV(A,X)155-22

Cooling Indoor Model	Capacity	Power	Furnace Model
CNPH*2417A**	0.97	1.02	58MVB040-14
CNPH*3017A**	0.98	0.98	58MVB040-14
CSPH*2412A**	0.97	1.02	58MVB040-14
CSPH*3012A**	0.98	0.98	58MVB040-14
CAP**2417A**	0.97	0.97	58MVB060-14
CAP**3017A**	0.98	0.98	58MVB060-14
CNPH*2417A**	0.97	0.97	58MVB060-14
CNPH*3017A**	0.98	0.98	58MVB060-14
CNPV*2417A**	0.97	0.97	58MVB060-14
CNPV*3017A**	0.98	0.98	58MVB060-14
CSPH*2412A**	0.97	0.97	58MVB060-14
CSPH*3012A**	0.98	0.98	58MVB060-14
CNPH*2417A**	0.97	0.97	58MVB080-14
CNPH*3017A**	0.98	0.98	58MVB080-14
CSPH*2412A**	0.97	0.97	58MVB080-14
CSPH*3012A**	0.98	0.98	58MVB080-14
CNPH*2417A**	0.97	0.97	58MVB080-20
CNPH*3017A**	0.98	0.98	58MVB080-20
CSPH*2412A**	0.97	0.97	58MVB080-20
CSPH*3012A**	0.98	0.98	58MVB080-20
CNPH*2417A**	0.97	0.97	58MVB100-20
CNPH*3017A**	0.98	0.98	58MVB100-20
CSPH*2412A**	0.97	0.97	58MVB100-20
CSPH*3012A**	0.98	0.98	58MVB100-20
CNPH*2417A**	0.97	1.01	58MVB120-20
CNPH*3017A**	0.98	0.98	58MVB120-20
CSPH*2412A**	0.97	0.97	58MVB120-20
CSPH*3012A**	0.98	0.98	58MVB120-20

See notes on pg. 24

25HPA5

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtuh		Total Sys-tem KW	Capacity MBtuh		Total Sys-tem KW	Capacity MBtuh		Total Sys-tem KW	Capacity MBtuh		Total Sys-tem KW	Capacity MBtuh		Total Sys-tem KW	Capacity MBtuh		Total Sys-tem KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
25HPA530A30 Outdoor Section With FX4CNF030 Indoor Section																			
875	72	34.91	18.12	1.82	33.33	17.51	2.03	31.67	16.87	2.26	29.90	16.20	2.52	27.99	15.49	2.79	25.91	14.73	3.10
	67	31.70	22.36	1.82	30.24	21.73	2.03	28.70	21.07	2.26	27.06	20.38	2.51	25.29	19.65	2.79	23.36	18.86	3.09
	63	29.41	21.58	1.82	28.03	20.95	2.03	26.58	20.29	2.26	25.03	19.59	2.51	23.37	18.85	2.79	21.55	18.05	3.09
	62	28.84	26.56	1.82	27.51	25.89	2.03	26.12	25.17	2.26	24.66	24.35	2.51	23.21	23.21	2.79	21.75	21.75	3.09
	57	27.97	27.97	1.82	26.90	26.90	2.03	25.76	25.76	2.26	24.54	24.54	2.51	23.22	23.22	2.79	21.75	21.75	3.09
1000	72	35.59	18.98	1.85	33.96	18.36	2.06	32.23	17.71	2.29	30.39	17.04	2.54	28.42	16.32	2.82	26.26	15.54	3.12
	67	32.32	23.74	1.85	30.80	23.11	2.05	29.20	22.44	2.28	27.50	21.74	2.54	25.68	20.99	2.82	23.69	20.17	3.12
	63	29.99	22.89	1.85	28.56	22.24	2.05	27.05	21.57	2.28	25.45	20.86	2.54	23.74	20.10	2.81	21.87	19.27	3.12
	62	29.49	28.37	1.85	28.14	27.62	2.05	26.75	26.75	2.28	25.44	25.44	2.54	24.05	24.05	2.81	22.51	22.51	3.12
	57	29.07	29.07	1.84	27.94	27.94	2.05	26.74	26.74	2.28	25.45	25.45	2.54	24.05	24.05	2.81	22.51	22.51	3.12
1125	72	36.14	19.81	1.88	34.45	19.17	2.08	32.66	18.52	2.31	30.77	17.84	2.57	28.74	17.11	2.85	26.53	16.32	3.15
	67	32.82	25.09	1.87	31.25	24.44	2.08	29.59	23.76	2.31	27.85	23.04	2.57	25.98	22.26	2.84	23.95	21.41	3.15
	63	30.46	24.15	1.87	28.98	23.49	2.08	27.43	22.80	2.31	25.78	22.07	2.56	24.03	21.28	2.84	22.12	20.41	3.14
	62	30.05	30.05	1.87	28.81	28.81	2.08	27.55	27.55	2.31	26.20	26.20	2.56	24.74	24.74	2.84	23.13	23.13	3.14
	57	30.01	30.01	1.87	28.82	28.82	2.08	27.56	27.56	2.31	26.21	26.21	2.56	24.75	24.75	2.84	23.14	23.14	3.14

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Cooling Indoor Model	Capacity	Power	Furnace Model
*FX4CNF030	1.00	1.00	
FE4ANF002	0.99	0.95	
FE4ANF003	0.99	0.94	
FE4ANF005	1.03	0.95	
FE5ANB004	1.03	0.95	
FF1ENP030	0.98	1.06	
FF1ENP036	0.99	1.08	
FV4BNF002	0.99	0.95	
FV4BNF003	1.00	0.96	
FV4BNF005	1.03	0.95	
FX4CN(B,F)036	1.01	1.01	
FY4ANF030	0.99	1.07	
FY4ANF036	0.99	1.07	
CAP**3014A**	0.99	1.08	
CAP**3017A**	0.99	1.08	
CAP**3614A**	0.96	1.00	
CAP**3617A**	0.99	1.03	
CAP**3621A**	0.99	1.03	
CNPF*3618A**	0.99	1.03	
CNPH*3017A**	0.99	1.03	
CNPH*3617A**	0.99	1.03	
CNPV*3014A**	0.99	1.03	
CNPV*3017A**	0.99	1.03	
CNPV*3617A**	0.99	1.03	
CNPV*3621A**	0.99	1.03	
CSPH*3012A**	0.99	1.03	
CSPH*3612A**	0.99	1.03	
CAP**3014A**	0.99	0.99	58CV(A,X)070-12
CAP**3614A**	0.95	0.95	58CV(A,X)070-12
CNPH*3017A**	0.99	0.99	58CV(A,X)070-12
CNPH*3617A**	0.99	0.99	58CV(A,X)070-12
CNPV*3014A**	0.99	0.99	58CV(A,X)070-12
CSPH*3012A**	0.99	0.96	58CV(A,X)070-12
CSPH*3612A**	0.99	0.95	58CV(A,X)070-12
CAP**3017A**	0.99	0.95	58CV(A,X)090-16
CAP**3617A**	0.99	0.95	58CV(A,X)090-16
CNPH*3017A**	0.99	0.95	58CV(A,X)090-16
CNPH*3617A**	0.99	0.95	58CV(A,X)090-16
CNPV*3017A**	0.99	0.95	58CV(A,X)090-16
CNPV*3617A**	0.99	0.95	58CV(A,X)090-16
CSPH*3012A**	0.99	0.95	58CV(A,X)090-16
CSPH*3612A**	0.99	0.95	58CV(A,X)090-16
CAP**3621A**	0.99	0.95	58CV(A,X)110-20
CNPH*3017A**	0.99	0.95	58CV(A,X)110-20
CNPH*3617A**	0.99	0.95	58CV(A,X)110-20
CNPV*3621A**	0.99	0.95	58CV(A,X)110-20
CSPH*3012A**	0.99	0.95	58CV(A,X)110-20
CSPH*3612A**	0.99	0.95	58CV(A,X)110-20
CNPH*3017A**	0.99	0.95	58CV(A,X)135-22
CNPH*3617A**	0.99	0.95	58CV(A,X)135-22
CSPH*3012A**	0.99	0.95	58CV(A,X)135-22
CSPH*3612A**	0.99	0.95	58CV(A,X)135-22
CNPH*3017A**	0.99	0.95	58CV(A,X)155-22
CNPH*3617A**	0.99	0.95	58CV(A,X)155-22
CSPH*3012A**	0.99	0.95	58CV(A,X)155-22
CSPH*3612A**	0.99	0.95	58CV(A,X)155-22

Cooling Indoor Model	Capacity	Power	Furnace Model
CNPH*3017A**	0.99	0.99	58MVB040-14
CNPH*3617A**	0.99	0.99	58MVB040-14
CSPH*3012A**	0.99	0.99	58MVB040-14
CSPH*3612A**	0.99	0.99	58MVB040-14
CAP**3017A**	0.99	0.95	58MVB060-14
CAP**3617A**	0.99	0.95	58MVB060-14
CNPH*3017A**	0.99	0.95	58MVB060-14
CNPH*3617A**	0.99	0.95	58MVB060-14
CNPV*3017A**	0.99	0.95	58MVB060-14
CNPV*3617A**	0.99	0.95	58MVB060-14
CSPH*3012A**	0.99	0.99	58MVB060-14
CSPH*3612A**	0.99	0.95	58MVB060-14
CAP**3621A**	0.99	0.95	58MVB080-14
CNPH*3017A**	0.99	0.99	58MVB080-14
CNPH*3617A**	0.99	0.99	58MVB080-14
CNPV*3621A**	0.99	0.99	58MVB080-14
CSPH*3012A**	0.99	0.99	58MVB080-14
CSPH*3612A**	0.99	0.95	58MVB080-14
CAP**3621A**	0.99	0.95	58MVB080-20
CNPH*3017A**	0.99	0.95	58MVB080-20
CNPH*3617A**	0.99	0.95	58MVB080-20
CNPV*3621A**	0.99	0.95	58MVB080-20
CSPH*3012A**	0.99	0.95	58MVB080-20
CSPH*3612A**	0.99	0.95	58MVB080-20
CAP**3621A**	0.99	0.95	58MVB100-20
CNPH*3017A**	0.99	0.95	58MVB100-20
CNPH*3617A**	0.99	0.95	58MVB100-20
CNPV*3621A**	0.99	0.95	58MVB100-20
CSPH*3012A**	0.99	0.95	58MVB100-20
CSPH*3612A**	0.99	0.95	58MVB100-20
CNPH*3017A**	0.99	0.95	58MVB120-20
CNPH*3617A**	0.99	0.95	58MVB120-20
CSPH*3012A**	0.99	0.95	58MVB120-20
CSPH*3612A**	0.99	0.95	58MVB120-20

See notes on pg. 24

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtu/h†		Total Sys-tem KW* *	Capacity MBtu/h†		Total Sys-tem KW* *	Capacity MBtu/h†		Total Sys-tem KW* *	Capacity MBtu/h†		Total Sys-tem KW* *	Capacity MBtu/h†		Total Sys-tem KW* *			
		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡				
25HPA536A30 Outdoor Section With FX4CNF042 Indoor Section																			
1050	72	42.99	22.20	2.25	41.05	21.45	2.51	39.02	20.67	2.79	36.86	19.85	3.11	34.54	18.98	3.45	32.00	18.04	3.82
	67	39.02	27.33	2.23	37.23	26.56	2.49	35.34	25.75	2.77	33.34	24.91	3.09	31.18	24.01	3.43	28.83	23.04	3.80
	63	36.20	26.40	2.22	34.51	25.62	2.48	32.73	24.80	2.76	30.84	23.95	3.07	28.81	23.04	3.41	26.59	22.06	3.78
	62	35.49	32.46	2.22	33.85	31.64	2.48	32.13	30.77	2.76	30.33	29.81	3.07	28.51	28.51	3.41	26.74	26.74	3.78
	57	34.32	34.32	2.21	33.01	33.01	2.47	31.62	31.62	2.76	30.13	30.13	3.07	28.52	28.52	3.41	26.74	26.74	3.78
1200	72	43.88	23.28	2.29	41.86	22.52	2.54	39.75	21.72	2.83	37.51	20.89	3.14	35.10	20.01	3.49	32.48	19.06	3.86
	67	39.84	29.07	2.27	37.97	28.28	2.53	36.00	27.46	2.81	33.92	26.60	3.12	31.69	25.68	3.47	29.26	24.69	3.84
	63	36.96	28.03	2.26	35.20	27.23	2.51	33.35	26.40	2.80	31.39	25.53	3.11	29.29	24.60	3.45	27.00	23.59	3.82
	62	36.31	34.75	2.25	34.63	33.86	2.51	32.89	32.89	2.80	31.30	31.30	3.11	29.59	29.59	3.45	27.71	27.71	3.82
	57	35.74	35.74	2.25	34.35	34.35	2.51	32.87	32.87	2.79	31.30	31.30	3.11	29.59	29.59	3.45	27.71	27.71	3.82
1350	72	44.58	24.31	2.32	42.49	23.53	2.58	40.31	22.72	2.86	38.00	21.88	3.18	35.52	20.99	3.52	32.84	20.03	3.89
	67	40.46	30.73	2.30	38.53	29.93	2.56	36.50	29.09	2.84	34.37	28.21	3.16	32.07	27.27	3.50	29.60	26.24	3.87
	63	37.55	29.58	2.29	35.73	28.77	2.55	33.82	27.92	2.83	31.81	27.03	3.14	29.65	26.07	3.48	27.32	25.03	3.85
	62	37.06	36.76	2.29	35.47	35.47	2.55	33.93	33.93	2.83	32.27	32.27	3.15	30.49	30.49	3.49	28.52	28.52	3.86
	57	36.94	36.94	2.29	35.47	35.47	2.55	33.93	33.93	2.83	32.28	32.28	3.15	30.49	30.49	3.49	28.52	28.52	3.86

Cooling Indoor Model	Capacity	Power	Furnace Model
*FX4CN(B,F)042	1.00	1.00	
FE4ANB006	1.00	0.96	
FE4ANF002	0.96	0.96	
FE4ANF003	0.97	0.97	
FE4ANF005	1.00	0.96	
FE5ANB004	1.00	0.96	
FF1ENP036	0.96	1.07	
FV4BNB006	1.00	0.96	
FV4BNF002	0.96	0.96	
FV4BNF003	0.97	0.97	
FV4BNF005	1.00	0.96	
FX4CN(B,F)036	0.98	0.98	
FY4ANF036	0.96	1.07	
FY4ANF042	0.97	1.06	
CAP**3614A**	0.93	1.01	
CAP**3617A**	0.96	1.04	
CAP**3621A**	0.96	1.04	
CAP**4221A**	0.97	1.06	
CAP**4224A**	0.97	1.06	
CNPF*3618A**	0.96	1.07	
CNPH*3617A**	0.96	1.04	
CNPH*4221A**	0.97	1.06	
CNPV*3617A**	0.96	1.04	
CNPV*3621A**	0.96	1.04	
CNPV*4221A**	0.97	1.06	
CSPH*3612A**	0.96	1.04	
CSPH*4212A**	0.97	1.01	
CAP**3614A**	0.93	0.97	58CV(A,X)070-12
CNPH*3617A**	0.95	0.99	58CV(A,X)070-12
CNPH*4221A**	0.96	0.96	58CV(A,X)070-12
CSPH*3612A**	0.96	0.96	58CV(A,X)070-12
CSPH*4212A**	0.97	0.97	58CV(A,X)070-12
CAP**3617A**	0.96	0.96	58CV(A,X)090-16
CNPH*3617A**	0.96	0.96	58CV(A,X)090-16
CNPH*4221A**	0.97	0.93	58CV(A,X)090-16
CNPV*3617A**	0.96	0.96	58CV(A,X)090-16
CSPH*3612A**	0.96	0.96	58CV(A,X)090-16
CSPH*4212A**	0.97	0.97	58CV(A,X)090-16
CAP**3621A**	0.96	0.96	58CV(A,X)110-20
CAP**4221A**	0.97	0.97	58CV(A,X)110-20
CNPH*3617A**	0.96	0.96	58CV(A,X)110-20
CNPH*4221A**	0.97	0.93	58CV(A,X)110-20
CNPV*3621A**	0.96	0.96	58CV(A,X)110-20
CNPV*4221A**	0.97	0.97	58CV(A,X)110-20
CSPH*3612A**	0.96	0.96	58CV(A,X)110-20
CSPH*4212A**	0.97	0.97	58CV(A,X)110-20
CAP**4224A**	0.97	0.97	58CV(A,X)135-22
CNPH*3617A**	0.96	0.96	58CV(A,X)135-22
CNPH*4221A**	0.97	0.93	58CV(A,X)135-22
CSPH*3612A**	0.96	0.96	58CV(A,X)135-22
CSPH*4212A**	0.97	0.97	58CV(A,X)135-22
CAP**4224A**	0.97	0.93	58CV(A,X)155-22
CNPH*3617A**	0.96	0.96	58CV(A,X)155-22
CNPH*4221A**	0.97	0.93	58CV(A,X)155-22
CSPH*3612A**	0.96	0.96	58CV(A,X)155-22
CSPH*4212A**	0.97	0.97	58CV(A,X)155-22

Cooling Indoor Model	Capacity	Power	Furnace Model
CAP**4224A**	0.96	0.96	58MVB040-14
CNPH*3617A**	0.95	0.99	58MVB040-14
CNPH*4221A**	0.96	0.96	58MVB040-14
CSPH*3612A**	0.96	0.96	58MVB040-14
CSPH*4212A**	0.96	0.96	58MVB040-14
CAP**3617A**	0.96	0.96	58MVB060-14
CNPH*3617A**	0.96	1.00	58MVB060-14
CNPH*4221A**	0.97	0.97	58MVB060-14
CNPV*3617A**	0.96	1.00	58MVB060-14
CSPH*3612A**	0.96	0.96	58MVB060-14
CSPH*4212A**	0.96	0.96	58MVB060-14
CAP**3621A**	0.96	1.00	58MVB080-14
CAP**4221A**	0.96	0.96	58MVB080-14
CNPH*3617A**	0.95	0.99	58MVB080-14
CNPH*4221A**	0.97	0.97	58MVB080-14
CNPV*3621A**	0.95	0.99	58MVB080-14
CNPV*4221A**	0.96	0.96	58MVB080-14
CSPH*3612A**	0.96	0.96	58MVB080-14
CSPH*4212A**	0.96	0.96	58MVB080-14
CAP**3621A**	0.96	0.96	58MVB080-20
CAP**4221A**	0.97	0.97	58MVB080-20
CNPH*3617A**	0.96	1.00	58MVB080-20
CNPH*4221A**	0.97	0.97	58MVB080-20
CNPV*3621A**	0.96	1.00	58MVB080-20
CNPV*4221A**	0.97	0.97	58MVB080-20
CSPH*3612A**	0.96	0.96	58MVB080-20
CSPH*4212A**	0.97	0.97	58MVB080-20
CAP**3621A**	0.96	0.96	58MVB100-20
CAP**4221A**	0.97	0.97	58MVB100-20
CNPH*3617A**	0.96	1.00	58MVB100-20
CNPH*4221A**	0.97	0.97	58MVB100-20
CNPV*3621A**	0.96	0.96	58MVB100-20
CNPV*4221A**	0.97	0.97	58MVB100-20
CSPH*3612A**	0.96	0.96	58MVB100-20
CSPH*4212A**	0.97	0.97	58MVB100-20
CAP**4224A**	0.97	0.97	58MVB120-20
CNPH*3617A**	0.96	0.96	58MVB120-20
CNPH*4221A**	0.97	0.97	58MVB120-20
CSPH*3612A**	0.96	0.96	58MVB120-20
CSPH*4212A**	0.97	0.97	58MVB120-20

See notes on pg. 24

25HPA5

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																		
CFM	EWB	75				85			95			105			115			125		
		Capacity MBtu/h†		Total Sys-tem KW* *	Capacity MBtu/h†		Total Sys-tem KW* *	Capacity MBtu/h†		Total Sys-tem KW* *	Capacity MBtu/h†		Total Sys-tem KW* *	Capacity MBtu/h†		Total Sys-tem KW* *	Capacity MBtu/h†		Total Sys-tem KW* *	
		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		
25HPA542A30 Outdoor Section With FX4CNF048 Indoor Section																				
1225	72	50.45	25.64	2.53	47.95	24.66	2.90	45.32	23.65	3.28	42.59	22.61	3.67	39.69	21.53	4.07	36.53	20.36	4.48	
	67	46.02	31.77	2.61	43.73	30.78	2.97	41.35	29.75	3.33	38.87	28.70	3.71	36.25	27.61	4.09	0.00	0.00	0.00	
	63	42.74	30.73	2.67	40.63	29.74	3.01	38.43	28.73	3.37	36.13	27.69	3.73	33.71	26.61	4.10	31.08	25.44	4.49	
	62	41.89	37.84	2.68	39.83	36.83	3.02	37.70	35.77	3.37	35.49	34.64	3.73	33.25	33.25	4.10	31.11	31.11	4.49	
	57	40.32	40.32	2.70	38.70	38.70	3.03	36.99	36.99	3.38	35.19	35.19	3.73	33.25	33.25	4.10	31.11	31.11	4.49	
1400	72	51.34	26.80	2.57	48.73	25.80	2.95	45.99	24.77	3.33	43.14	23.72	3.72	40.13	22.62	4.13	36.86	21.43	4.54	
	67	46.88	33.73	2.66	44.49	32.72	3.02	42.00	31.67	3.39	39.41	30.60	3.77	36.88	29.48	4.15	33.72	28.27	4.55	
	63	43.59	32.57	2.71	41.37	31.57	3.06	39.07	30.53	3.42	36.67	29.46	3.79	34.14	28.35	4.17	31.42	27.15	4.55	
	62	42.78	40.52	2.72	40.66	39.43	3.07	38.49	38.21	3.42	36.44	36.44	3.79	34.37	34.37	4.16	32.08	32.08	4.55	
	57	41.96	41.96	2.74	40.22	40.22	3.08	38.38	38.38	3.43	36.44	36.44	3.79	34.37	34.37	4.16	32.08	32.08	4.55	
1575	72	52.00	27.89	2.62	49.30	26.88	3.00	46.46	25.84	3.38	43.52	24.77	3.78	40.42	23.65	4.18	37.05	22.45	4.60	
	67	47.51	35.60	2.70	45.03	34.57	3.07	42.46	33.50	3.44	39.78	32.41	3.82	36.98	31.25	4.21	33.94	30.01	4.61	
	63	44.22	34.33	2.76	41.91	33.30	3.12	39.52	32.24	3.48	37.05	31.15	3.85	34.45	30.00	4.23	31.65	28.76	4.61	
	62	43.55	42.92	2.77	41.46	41.46	3.12	39.52	39.52	3.48	37.46	37.46	3.84	35.26	35.26	4.22	32.84	32.84	4.61	
	57	43.32	43.32	2.77	41.47	41.47	3.12	39.52	39.52	3.48	37.46	37.46	3.84	35.27	35.27	4.22	32.84	32.84	4.61	

25HPA5

Cooling Indoor Model	Capacity	Power	Furnace Model
*FX4CN(B,F)048	1.00	1.00	
FE4ANB006	1.00	0.96	
FE4ANF003	0.96	1.00	
FE4ANF005	1.00	1.00	
FE5ANB004	1.00	0.96	
FV4BNB006	1.00	0.96	
FV4BNF003	0.96	1.05	
FV4BNF005	1.00	1.00	
FX4CN(B,F)042	1.00	1.04	
FY4ANF042	0.99	1.10	
FY4ANF048	1.00	1.09	
CAP**4221A**	0.98	1.09	
CAP**4224A**	0.98	1.09	
CAP**4817A**	0.96	1.05	
CAP**4821A**	0.99	1.07	
CAP**4824A**	0.99	1.07	
CNPF*4818A**	0.96	1.08	
CNPH*4221A**	0.98	1.09	
CNPH*4821A**	0.99	1.07	
CNPV*4221A**	0.98	1.09	
CNPV*4821A**	0.99	1.07	
CNPV*4824A**	0.99	1.07	
CSPH*4212A**	0.98	1.06	
CSPH*4812A**	0.99	1.07	
CNPH*4221A**	0.96	1.00	58CV(A,X)070-12
CNPH*4821A**	0.98	1.02	58CV(A,X)070-12
CSPH*4212A**	0.96	1.00	58CV(A,X)070-12
CSPH*4812A**	0.98	1.02	58CV(A,X)070-12
CAP**4817A**	0.95	0.99	58CV(A,X)090-16
CNPH*4221A**	0.96	1.00	58CV(A,X)090-16
CNPH*4821A**	0.98	1.02	58CV(A,X)090-16
CSPH*4212A**	0.96	1.00	58CV(A,X)090-16
CSPH*4812A**	0.98	1.02	58CV(A,X)090-16
CAP**4221A**	0.98	1.02	58CV(A,X)110-20
CAP**4821A**	0.99	1.03	58CV(A,X)110-20
CNPH*4221A**	0.98	1.02	58CV(A,X)110-20
CNPH*4821A**	0.99	1.03	58CV(A,X)110-20
CNPV*4221A**	0.98	1.02	58CV(A,X)110-20
CNPV*4821A**	0.99	1.03	58CV(A,X)110-20
CSPH*4212A**	0.98	1.02	58CV(A,X)110-20
CSPH*4812A**	0.99	1.03	58CV(A,X)110-20
CAP**4224A**	0.98	1.02	58CV(A,X)135-22
CAP**4824A**	0.99	0.99	58CV(A,X)135-22
CNPH*4221A**	0.98	1.02	58CV(A,X)135-22
CNPH*4821A**	0.99	1.03	58CV(A,X)135-22
CNPV*4824A**	0.98	1.02	58CV(A,X)135-22
CSPH*4212A**	0.98	1.02	58CV(A,X)135-22
CSPH*4812A**	0.99	1.03	58CV(A,X)135-22
CAP**4224A**	0.98	1.02	58CV(A,X)155-22
CAP**4824A**	0.99	0.99	58CV(A,X)155-22
CNPH*4221A**	0.98	1.02	58CV(A,X)155-22
CNPH*4821A**	0.99	1.03	58CV(A,X)155-22
CNPV*4824A**	0.98	1.02	58CV(A,X)155-22
CSPH*4212A**	0.98	1.02	58CV(A,X)155-22
CSPH*4812A**	0.99	1.03	58CV(A,X)155-22

Cooling Indoor Model	Capacity	Power	Furnace Model
CAP**4224A**	0.96	1.05	58MVB040-14
CAP**4824A**	0.98	1.02	58MVB040-14
CNPH*4221A**	0.96	1.00	58MVB040-14
CNPH*4821A**	0.98	1.02	58MVB040-14
CNPV*4824A**	0.96	1.00	58MVB040-14
CSPH*4212A**	0.96	1.05	58MVB040-14
CSPH*4812A**	0.98	1.02	58MVB040-14
CAP**4817A**	0.95	0.99	58MVB060-14
CNPH*4221A**	0.96	1.00	58MVB060-14
CNPH*4821A**	0.98	1.02	58MVB060-14
CSPH*4212A**	0.96	1.00	58MVB060-14
CSPH*4812A**	0.98	1.02	58MVB060-14
CAP**4221A**	0.96	1.05	58MVB080-14
CAP**4821A**	0.98	1.02	58MVB080-14
CNPH*4221A**	0.96	1.00	58MVB080-14
CNPH*4821A**	0.98	1.02	58MVB080-14
CNPV*4221A**	0.96	1.00	58MVB080-14
CNPH*4821A**	0.98	1.02	58MVB080-14
CSPH*4212A**	0.96	1.00	58MVB080-14
CSPH*4812A**	0.98	1.02	58MVB080-14
CAP**4221A**	0.96	1.00	58MVB080-20
CAP**4821A**	0.99	1.03	58MVB080-20
CNPH*4221A**	0.96	1.00	58MVB080-20
CNPH*4821A**	0.99	1.03	58MVB080-20
CNPV*4221A**	0.96	1.00	58MVB080-20
CSPH*4212A**	0.96	1.00	58MVB080-20
CSPH*4812A**	0.99	1.03	58MVB080-20
CAP**4221A**	0.96	1.00	58MVB100-20
CAP**4821A**	0.99	1.03	58MVB100-20
CNPH*4221A**	0.96	1.00	58MVB100-20
CNPH*4821A**	0.99	1.03	58MVB100-20
CNPV*4221A**	0.96	1.00	58MVB100-20
CNPV*4821A**	0.99	1.03	58MVB100-20
CSPH*4212A**	0.96	1.00	58MVB100-20
CSPH*4812A**	0.99	1.03	58MVB100-20
CAP**4224A**	0.96	1.00	58MVB120-20
CAP**4824A**	0.99	1.03	58MVB120-20
CNPH*4221A**	0.96	1.00	58MVB120-20
CNPH*4821A**	0.99	1.03	58MVB120-20
CNPV*4824A**	0.96	1.00	58MVB120-20
CSPH*4212A**	0.96	1.00	58MVB120-20
CSPH*4812A**	0.99	1.03	58MVB120-20

See notes on pg. 24

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtu/h†		Total Sys-tem KW*†	Capacity MBtu/h†		Total Sys-tem KW*†	Capacity MBtu/h†		Total Sys-tem KW*†	Capacity MBtu/h†		Total Sys-tem KW*†	Capacity MBtu/h†		Total Sys-tem KW*†	Capacity MBtu/h†		Total Sys-tem KW*†
		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡	
25HPA548A30 Outdoor Section With FX4CNF060 Indoor Section																			
1400	72	57.47	29.60	2.93	54.70	28.51	3.33	51.81	27.40	3.76	48.81	26.26	4.22	45.64	25.08	4.71	43.64	24.34	4.69
	67	52.33	36.48	2.94	49.77	35.37	3.34	47.13	34.24	3.76	44.38	33.08	4.21	41.48	31.87	4.70	38.36	30.59	5.21
	63	48.56	35.25	2.95	46.18	34.15	3.34	43.71	33.02	3.75	41.15	31.86	4.20	38.46	30.66	4.68	35.56	29.38	5.19
	62	47.58	43.31	2.95	45.25	42.17	3.34	42.86	40.98	3.75	40.41	39.73	4.20	38.01	38.01	4.68	35.68	35.68	5.19
	57	45.92	45.92	2.95	44.08	44.08	3.34	42.16	42.16	3.75	40.15	40.15	4.20	38.01	38.01	4.68	35.68	35.68	5.19
1600	72	58.63	31.04	2.97	55.74	29.94	3.37	52.73	28.81	3.80	49.61	27.65	4.26	46.32	26.45	4.76	44.28	25.72	4.74
	67	53.44	38.83	2.98	50.76	37.70	3.38	48.00	36.55	3.80	45.14	35.36	4.26	42.13	34.13	4.74	38.89	32.81	5.26
	63	49.64	37.48	2.99	47.14	36.35	3.38	44.56	35.19	3.80	41.89	34.01	4.25	39.09	32.77	4.73	36.09	31.46	5.24
	62	48.71	46.49	2.99	46.31	45.26	3.38	43.89	43.89	3.80	41.73	41.73	4.25	39.45	39.45	4.73	36.95	36.95	5.25
	57	47.89	47.89	2.99	45.92	45.92	3.38	43.88	43.88	3.80	41.73	41.73	4.25	39.45	39.45	4.73	36.96	36.96	5.25
1800	72	59.52	32.41	3.01	56.53	31.30	3.41	53.42	30.16	3.85	50.20	28.99	4.31	46.81	27.76	4.80	44.76	27.04	4.79
	67	54.29	41.09	3.03	51.51	39.94	3.42	48.66	38.76	3.85	45.71	37.55	4.30	42.61	36.29	4.79	39.29	34.93	5.31
	63	50.46	39.60	3.03	47.87	38.45	3.42	45.21	37.27	3.84	42.45	36.05	4.29	39.57	34.79	4.78	36.50	33.43	5.29
	62	49.71	49.33	3.03	47.48	47.48	3.42	45.31	45.31	3.84	43.04	43.04	4.30	40.63	40.63	4.78	37.99	37.99	5.30
	57	49.56	49.56	3.03	47.48	47.48	3.42	45.31	45.31	3.84	43.04	43.04	4.30	40.63	40.63	4.78	38.00	38.00	5.30

Cooling Indoor Model	Capacity	Power	Furnace Model
*FX4CN(B,F)060	1.00	1.00	
FE4ANB006	1.00	1.00	
FE4ANF005	1.00	1.04	
FV4BNB006	1.00	1.00	
FV4BNF005	1.00	1.04	
FX4CN(B,F)048	1.00	1.04	
FY4ANB060	1.00	1.08	
FY4ANF048	1.00	1.16	
CAP**4817A**	0.98	1.06	
CAP**4821A**	1.00	1.08	
CAP**4824A**	1.00	1.08	
CAP**6021A**	1.00	1.08	
CAP**6024A**	1.00	1.08	
CNPF*4818A**	0.98	1.11	
CNPH*4821A**	1.00	1.08	
CNPH*6024A**	1.00	1.08	
CNPV*4821A**	1.00	1.08	
CNPV*4824A**	1.00	1.08	
CNPV*6024A**	1.00	1.08	
CSPH*4812A**	1.00	1.13	
CSPH*6012A**	1.00	1.08	
CAP**4817A**	0.96	1.04	58CV(A,X)090-16
CNPH*4821A**	0.98	1.06	58CV(A,X)090-16
CNPH*6024A**	1.00	1.08	58CV(A,X)090-16
CSPH*4812A**	0.98	1.06	58CV(A,X)090-16
CSPH*6012A**	1.00	1.08	58CV(A,X)090-16
CAP**4821A**	0.98	1.06	58CV(A,X)110-20
CAP**6021A**	1.00	1.04	58CV(A,X)110-20
CNPH*4821A**	0.98	1.06	58CV(A,X)110-20
CNPH*6024A**	1.00	1.04	58CV(A,X)110-20
CNPV*4821A**	0.98	1.06	58CV(A,X)110-20
CSPH*4812A**	0.98	1.06	58CV(A,X)110-20
CSPH*6012A**	1.00	1.08	58CV(A,X)110-20
CAP**4824A**	0.99	1.07	58CV(A,X)135-22
CAP**6024A**	1.00	1.04	58CV(A,X)135-22
CNPH*4821A**	0.99	1.07	58CV(A,X)135-22
CNPH*6024A**	1.00	1.04	58CV(A,X)135-22
CNPV*4824A**	0.99	1.03	58CV(A,X)135-22
CNPV*6024A**	1.00	1.04	58CV(A,X)135-22
CSPH*4812A**	0.99	1.07	58CV(A,X)135-22
CSPH*6012A**	1.00	1.04	58CV(A,X)135-22
CAP**4824A**	0.99	1.03	58CV(A,X)155-22
CAP**6024A**	1.00	1.04	58CV(A,X)155-22
CNPH*4821A**	0.99	1.03	58CV(A,X)155-22
CNPH*6024A**	1.00	1.04	58CV(A,X)155-22
CNPV*4824A**	0.99	1.03	58CV(A,X)155-22
CNPV*6024A**	1.00	1.04	58CV(A,X)155-22
CSPH*4812A**	0.99	1.03	58CV(A,X)155-22
CSPH*6012A**	1.00	1.04	58CV(A,X)155-22

Cooling Indoor Model	Capacity	Power	Furnace Model
CAP**4821A**	0.98	1.06	58MVB080-20
CAP**6021A**	1.00	1.08	58MVB080-20
CNPH*4821A**	0.98	1.06	58MVB080-20
CNPH*6024A**	1.00	1.08	58MVB080-20
CNPV*4821A**	0.98	1.06	58MVB080-20
CSPH*4812A**	0.98	1.06	58MVB080-20
CSPH*6012A**	1.00	1.08	58MVB080-20
CAP**4821A**	0.98	1.06	58MVB100-20
CAP**6021A**	1.00	1.08	58MVB100-20
CNPH*4821A**	0.99	1.07	58MVB100-20
CNPH*6024A**	1.00	1.08	58MVB100-20
CNPV*4821A**	0.99	1.07	58MVB100-20
CSPH*4812A**	0.98	1.06	58MVB100-20
CSPH*6012A**	1.00	1.08	58MVB100-20
CAP**4824A**	0.98	1.06	58MVB120-20
CAP**6024A**	1.00	1.08	58MVB120-20
CNPH*4821A**	0.98	1.06	58MVB120-20
CNPH*6024A**	1.00	1.08	58MVB120-20
CNPV*4824A**	0.98	1.06	58MVB120-20
CNPV*6024A**	1.00	1.08	58MVB120-20
CSPH*4812A**	0.98	1.06	58MVB120-20
CSPH*6012A**	1.00	1.08	58MVB120-20

See notes on pg. 24

25HPA5

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																							
CFM	EWB	75				85				95				105				115				125			
		Capacity MBtu/h†		Total Sys-tem KW* *	Capacity MBtu/h†		Total Sys-tem KW* *	Capacity MBtu/h†		Total Sys-tem KW* *	Capacity MBtu/h†		Total Sys-tem KW* *	Capacity MBtu/h†		Total Sys-tem KW* *	Capacity MBtu/h†		Total Sys-tem KW* *						
		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡		Total	Sens ‡							
25HPA560A30 Outdoor Section With FX4CNF060 Indoor Section																									
1750	72	71.33	36.68	4.31	67.94	35.37	4.75	64.29	33.97	5.23	60.48	32.53	5.76	56.36	31.00	6.34	51.80	29.32	6.95						
	67	65.68	45.79	4.24	62.55	44.44	4.68	59.19	43.00	5.17	55.69	41.53	5.70	51.91	39.96	6.27	47.75	38.25	6.89						
	63	61.47	44.48	4.19	58.52	43.11	4.63	55.39	41.68	5.12	52.12	40.20	5.65	48.60	38.63	6.22	44.75	36.92	6.84						
	62	60.32	54.79	4.18	57.45	53.36	4.62	54.41	51.84	5.11	51.27	50.21	5.64	48.05	48.05	6.22	44.86	44.86	6.84						
	57	58.31	58.31	4.16	55.99	55.99	4.61	53.53	53.53	5.10	50.90	50.90	5.63	48.05	48.05	6.22	44.86	44.86	6.84						
2000	72	72.40	38.30	4.40	68.88	36.98	4.84	65.09	35.56	5.33	61.15	34.10	5.86	56.89	32.55	6.43	52.19	30.86	7.04						
	67	66.76	48.55	4.34	63.50	47.18	4.78	60.00	45.72	5.26	56.37	44.22	5.79	52.46	42.62	6.36	48.17	40.87	6.98						
	63	62.55	47.09	4.29	59.48	45.70	4.73	56.22	44.24	5.21	52.82	42.73	5.74	49.18	41.12	6.31	45.20	39.37	6.93						
	62	61.49	58.54	4.28	58.54	57.01	4.72	55.41	55.41	5.20	52.57	52.57	5.74	49.53	49.53	6.32	46.13	46.13	6.95						
	57	60.49	60.49	4.27	58.02	58.02	4.71	55.37	55.37	5.20	52.58	52.58	5.74	49.53	49.53	6.32	46.13	46.13	6.95						
2250	72	73.17	39.84	4.49	69.54	38.50	4.93	65.65	37.08	5.42	61.60	35.61	5.94	57.24	34.04	6.51	52.42	32.34	7.12						
	67	67.52	51.19	4.43	64.16	49.81	4.87	60.56	48.32	5.35	56.83	46.79	5.88	52.83	45.15	6.45	48.44	43.34	7.07						
	63	63.34	49.57	4.38	60.17	48.16	4.82	56.81	46.67	5.30	53.32	45.13	5.83	49.59	43.48	6.40	45.51	41.66	7.02						
	62	62.50	61.84	4.37	59.65	59.65	4.81	56.86	56.86	5.31	53.91	53.91	5.84	50.70	50.70	6.42	47.12	47.12	7.05						
	57	62.26	62.26	4.37	59.66	59.66	4.81	56.86	56.86	5.31	53.92	53.92	5.84	50.71	50.71	6.42	47.12	47.12	7.05						

Cooling Indoor Model	Capacity	Power	Furnace Model
*FX4CN(B,F)060	1.00	1.00	
FE4ANB006	0.99	0.99	
FV4BNB006	0.99	0.99	
FY4ANB060	0.99	1.06	
CAP**6021A**	0.97	0.99	
CAP**6024A**	0.98	1.03	
CNPH*6024A**	0.98	1.03	
CNPV*6024A**	0.98	1.03	
CSPH*6012A**	0.98	1.02	

Cooling Indoor Model	Capacity	Power	Furnace Model
CAP**6021A**	0.97	0.99	58CV(A,X)110-20
CNPH*6024A**	0.98	1.00	58CV(A,X)110-20
CSPH*6012A**	0.98	1.00	58CV(A,X)110-20
CAP**6024A**	0.98	1.00	58CV(A,X)135-22
CNPH*6024A**	0.98	1.00	58CV(A,X)135-22
CNPV*6024A**	0.98	1.00	58CV(A,X)135-22
CSPH*6012A**	0.98	1.00	58CV(A,X)135-22
CAP**6024A**	0.98	1.01	58CV(A,X)155-22
CNPH*6024A**	0.98	1.00	58CV(A,X)155-22
CNPV*6024A**	0.98	1.00	58CV(A,X)155-22
CSPH*6012A**	0.98	1.01	58CV(A,X)155-22

NOTE: When the required data falls 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 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).

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

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

EWB — Entering Wet Bulb

HEAT PUMP HEATING PERFORMANCE

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																							
		-3			7			17			27			37			47			57			67		
		Capacity MBtuh		Total Sys-tem KWt	Capacity MBtuh		Total Sys-tem KWt	Capacity MBtuh		Total Sys-tem KWt	Capacity MBtuh		Total Sys-tem KWt	Capacity MBtuh		Total Sys-tem KWt	Capacity MBtuh		Total Sys-tem KWt	Capacity MBtuh		Total Sys-tem KWt	Capacity MBtuh		Total Sys-tem KWt
Total	Integ*	Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
25HPA518A30 Outdoor Section With FX4CNF018 Indoor Section																									
65	525	6.33	5.82	1.12	8.28	7.61	1.17	10.37	9.45	1.22	12.63	11.22	1.28	15.24	13.87	1.35	18.07	18.07	1.44	21.23	21.23	1.55	24.72	24.72	1.69
	600	6.44	5.93	1.12	8.41	7.73	1.16	10.52	9.59	1.21	12.84	11.40	1.26	15.49	14.10	1.33	18.38	18.38	1.41	21.63	21.63	1.51	25.07	25.07	1.61
	675	6.54	6.02	1.12	8.50	7.81	1.16	10.65	9.71	1.20	13.01	11.56	1.25	15.69	14.28	1.31	18.63	18.63	1.38	21.94	21.94	1.48	25.07	25.07	1.56
70	525	5.99	5.51	1.16	7.97	7.33	1.22	10.07	9.18	1.28	12.32	10.95	1.34	14.85	13.51	1.42	17.69	17.69	1.51	20.80	20.80	1.62	24.25	24.25	1.77
	600	6.10	5.62	1.16	8.11	7.45	1.22	10.23	9.33	1.27	12.51	11.11	1.32	15.11	13.75	1.39	18.00	18.00	1.47	21.19	21.19	1.58	24.69	24.69	1.69
	675	6.19	5.69	1.17	8.22	7.56	1.21	10.36	9.45	1.26	12.68	11.26	1.31	15.35	13.97	1.37	18.25	18.25	1.45	21.52	21.52	1.55	24.88	24.88	1.64
75	525	5.64	5.19	1.21	7.65	7.03	1.27	9.76	8.90	1.34	12.02	10.68	1.40	14.49	13.19	1.48	17.31	17.31	1.58	20.37	20.37	1.70	23.77	23.77	1.84
	600	5.75	5.29	1.21	7.76	7.13	1.27	9.92	9.05	1.33	12.21	10.84	1.38	14.75	13.42	1.45	17.62	17.62	1.54	20.76	20.76	1.65	24.26	24.26	1.78
	675	5.85	5.38	1.22	7.90	7.26	1.27	10.03	9.15	1.32	12.34	10.96	1.37	14.95	13.61	1.44	17.86	17.86	1.52	21.06	21.06	1.62	24.53	24.53	1.72

Heating Indoor Model	Capacity	Power	Furnace Model
*FX4CNF018	1.00	1.00	
FE4ANF002	0.99	0.97	
FF1ENP018	1.00	1.06	
FF1ENP024	1.00	1.05	
FV4BNF002	0.99	0.97	
FX4CNF024	1.00	0.99	
FY4ANF018	1.00	1.07	
FY4ANF024	1.00	1.06	
CAP**1814A**	1.00	1.08	
CAP**2414A**	1.00	1.04	
CAP**2417A**	1.00	1.04	
CNPF*2418A**	1.00	1.02	
CNPH*2417A**	1.00	1.02	
CNPV*1814A**	1.00	1.03	
CNPV*2414A**	1.00	1.02	
CNPV*2417A**	1.00	1.02	
CSPH*2412A**	1.00	1.02	
CAP**1814A**	0.97	1.04	58CV(A.X)070-12
CAP**2414A**	0.98	1.01	58CV(A.X)070-12
CNPH*2417A**	0.98	0.99	58CV(A.X)070-12
CNPV*1814A**	0.97	1.00	58CV(A.X)070-12
CNPV*2414A**	0.98	0.99	58CV(A.X)070-12
CSPH*2412A**	0.98	1.00	58CV(A.X)070-12
CAP**2417A**	0.98	1.00	58CV(A.X)090-16
CNPH*2417A**	0.98	0.98	58CV(A.X)090-16
CNPV*2417A**	0.98	0.98	58CV(A.X)090-16
CSPH*2412A**	0.98	0.99	58CV(A.X)090-16
CNPH*2417A**	0.98	0.99	58MVB040-14
CSPH*2412A**	0.98	0.99	58MVB040-14
CAP**2417A**	0.98	1.00	58MVB060-14
CNPH*2417A**	0.98	0.99	58MVB060-14
CNPV*2417A**	0.98	0.99	58MVB060-14
CSPH*2412A**	0.98	0.99	58MVB060-14
CNPH*2417A**	0.98	0.98	58MVB080-14
CSPH*2412A**	0.98	0.99	58MVB080-14

See notes on pg. 31

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F															
EDB	CFM	-3		7		17		27		37		47		57		67	
		Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT	Capacity MBtuh	Total System KWT
		Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*
25HPA524A30 Outdoor Section With FX6CNF030 Indoor Section																	
65	700	8.58	7.89	1.34	10.28	14.3	13.94	12.71	15.1	16.89	15.00	1.59	20.18	18.36	1.70	23.88	23.88
	800	8.74	8.04	1.35	11.36	10.44	14.2	14.15	12.90	14.9	17.13	15.21	1.57	20.50	18.65	1.66	24.27
	900	8.87	8.16	1.35	11.51	10.58	14.2	14.32	13.05	14.8	17.34	15.40	1.55	20.80	18.92	1.64	24.58
70	700	8.13	7.48	1.40	10.78	9.91	13.56	12.37	15.8	16.53	14.68	1.67	19.75	17.97	1.78	23.42	23.42
	800	8.29	7.62	1.40	10.96	10.07	14.9	13.77	12.56	15.7	16.77	14.89	1.65	20.06	18.26	1.75	23.80
	900	8.42	7.75	1.41	11.11	10.21	14.9	13.95	12.72	15.6	16.96	15.06	1.63	20.32	18.49	1.72	24.10
75	700	7.64	7.03	1.46	10.35	9.51	13.16	12.00	1.65	16.15	14.34	1.76	19.32	17.59	1.87	22.97	22.97
	800	7.80	7.18	1.46	10.54	9.68	13.37	12.19	1.64	16.39	14.56	1.73	19.63	17.87	1.83	23.34	23.34
	900	7.94	7.31	1.47	10.69	9.83	13.55	12.36	1.63	16.59	14.73	1.72	19.89	18.10	1.81	23.64	23.64
		Capacity		Power		Capacity		Power		Capacity		Power		Capacity		Power	
		Total		Integ*		Total		Integ*		Total		Integ*		Total		Integ*	
		Total		Total		Total		Total		Total		Total		Total		Total	
		Total		Total		Total		Total		Total		Total		Total		Total	
		Total		Total		Total		Total		Total		Total		Total		Total	
		Total		Total		Total		Total		Total		Total		Total		Total	
		Total		Total		Total		Total		Total		Total		Total		Total	
		Total		Total		Total		Total		Total		Total		Total		Total	
		Total		Total		Total		Total		Total		Total		Total		Total	
		Total		Total		Total		Total		Total		Total		Total		Total	
		Total		Total		Total		Total		Total		Total		Total		Total	
		Total		Total		Total		Total		Total		Total		Total		Total	
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		Total		Total		Total		Total		Total		Total		Total		Total	
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		Total		Total		Total		Total		Total		Total		Total		Total	
		Total		Total		Total		Total		Total		Total		Total			

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR		- 3			7			17			27			37			47			57			67		
		Capacity Total	MBtuh Integ*	Total System KW†	Capacity Total	MBtuh Integ*	Total System KW†	Capacity Total	MBtuh Integ*	Total System KW†	Capacity Total	MBtuh Integ*	Total System KW†	Capacity Total	MBtuh Integ*	Total System KW†	Capacity Total	MBtuh Integ*	Total System KW†	Capacity Total	MBtuh Integ*	Total System KW†	Capacity Total	MBtuh Integ*	Total System KW†
EDB		25HPA50A30 Outdoor Section With FX4CNF030 Indoor Section																							
65	875	10.94	10.07	1.72	14.09	12.95	1.81	17.44	15.90	1.89	21.04	18.69	1.98	24.96	22.74	2.08	29.49	29.49	2.21	34.39	34.39	2.36	39.81	39.81	2.55
	1000	11.16	10.26	1.73	14.33	13.17	1.81	17.72	16.16	1.88	21.36	18.97	1.96	25.39	23.10	2.05	29.96	29.96	2.17	34.98	34.98	2.31	40.60	40.60	2.48
	1125	11.34	10.44	1.75	14.53	13.35	1.81	17.96	16.37	1.88	21.61	19.20	1.95	25.72	23.40	2.03	30.35	30.35	2.14	35.46	35.46	2.27	41.24	41.24	2.43
70	875	10.36	9.53	1.79	13.60	12.50	1.88	16.95	15.46	1.97	20.58	18.26	2.07	24.47	22.26	2.18	28.94	28.94	2.32	33.75	33.75	2.47	39.12	39.12	2.67
	1000	10.61	9.76	1.80	13.85	12.72	1.88	17.24	15.72	1.88	20.90	18.56	2.05	24.86	22.62	2.15	29.40	29.40	2.27	34.35	34.35	2.41	39.85	39.85	2.59
	1125	10.80	9.94	1.82	14.06	12.92	1.89	17.48	15.93	1.96	21.16	18.80	2.04	25.19	22.92	2.13	29.78	29.78	2.24	34.81	34.81	2.37	40.44	40.44	2.54
75	875	9.76	8.98	1.86	13.04	11.99	1.96	16.47	15.01	2.06	20.10	17.85	2.17	23.98	21.82	2.28	28.30	28.30	2.42	33.12	33.12	2.59	38.41	38.41	2.78
	1000	9.99	9.19	1.87	13.29	12.22	1.96	16.76	15.28	2.05	20.44	18.15	2.14	24.35	22.16	2.25	28.84	28.84	2.38	33.70	33.70	2.52	39.13	39.13	2.70
	1125	10.18	9.36	1.88	13.51	12.42	1.97	17.00	15.50	2.05	20.71	18.39	2.14	24.65	22.43	2.23	29.22	29.22	2.35	34.18	34.18	2.48	39.70	39.70	2.65

Heating Indoor Model	Capacity	Power	Furnace Model
*FX4CNF030	1.00	1.00	
FE4ANF002	0.99	0.99	
FE4ANF003	0.98	0.98	
FE4ANF005	0.99	0.95	
FE5ANB004	0.99	0.92	
FF1ENP030	1.01	1.07	
FF1ENP036	1.02	1.06	
FV4BNF002	0.99	0.99	
FV4BNF003	0.98	0.98	
FV4BNF005	0.99	0.95	
FX4CNB.FJ036	1.01	1.00	
FY4ANF030	1.02	1.05	
FY4ANF036	1.02	1.06	
CAP**3014A**	1.02	1.06	
CAP**3017A**	1.02	1.06	
CAP**3614A**	0.99	1.02	
CAP**3617A**	1.02	1.06	
CAP**3621A**	1.02	1.06	
CNP**3618A**	1.02	1.06	
CNP**3017A**	1.02	1.06	
CNP**3617A**	1.02	1.06	
CNP**3014A**	1.02	1.06	
CNP**3017A**	1.02	1.06	
CNP**3617A**	1.02	1.06	
CNP**3621A**	1.02	1.06	
CSPH*3012A**	1.02	1.05	
CSPH*3612A**	1.02	1.02	
CAP**3014A**	0.98	1.02	58CV(A.X)070-12
CAP**3614A**	0.95	0.98	58CV(A.X)070-12
CNP**3017A**	0.98	1.01	58CV(A.X)070-12
CNP**3617A**	0.98	1.01	58CV(A.X)070-12
CNP**3014A**	0.98	1.02	58CV(A.X)070-12
CNP**3617A**	0.98	1.01	58CV(A.X)070-12
CSPH*3012A**	0.98	1.01	58CV(A.X)070-12
CSPH*3612A**	0.98	0.98	58CV(A.X)070-12
CAP**3017A**	0.98	1.01	58CV(A.X)090-16
CAP**3617A**	0.98	1.00	58CV(A.X)090-16
CNP**3017A**	0.98	1.00	58CV(A.X)090-16
CNP**3617A**	0.98	1.00	58CV(A.X)090-16
CNP**3017A**	0.98	1.00	58CV(A.X)090-16
CSPH*3012A**	0.98	1.00	58CV(A.X)090-16

Heating Indoor Model	Capacity	Power	Furnace Model
CSPH*3612A**	0.98	0.97	58CV(A.X)090-16
CAP**3621A**	0.98	0.99	58CV(A.X)110-20
CNP**3017A**	0.98	1.00	58CV(A.X)110-20
CNP**3617A**	0.98	1.00	58CV(A.X)110-20
CNP**3621A**	0.98	1.00	58CV(A.X)110-20
CSPH*3012A**	0.98	1.00	58CV(A.X)110-20
CSPH*3612A**	0.98	0.97	58CV(A.X)110-20
CNP**3017A**	0.98	1.00	58CV(A.X)135-22
CNP**3617A**	0.98	1.00	58CV(A.X)135-22
CSPH*3012A**	0.98	0.97	58CV(A.X)135-22
CSPH*3612A**	0.98	1.00	58CV(A.X)155-22
CAP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22
CNP**3017A**	0.98	1.01	58CV(A.X)155-22
CNP**3617A**	0.98	1.01	58CV(A.X)155-22
CSPH*3012A**	0.98	1.01	58CV(A.X)155-22
CSPH*3612A**	0.98	1.01	58CV(A.X)155-22
CAP**3617A**	0.98	1.01	58CV(A.X)155-22

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																																	
		- 3				7				17				27				37				47				57				67					
		Capacity MBUh		Total System KWT		Capacity MBUh		Total System KWT		Capacity MBUh		Total System KWT		Capacity MBUh		Total System KWT		Capacity MBUh		Total System KWT		Capacity MBUh		Total System KWT		Capacity MBUh		Total System KWT		Capacity MBUh		Total System KWT			
EDB	CFM	Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*					
25HPA56A30 Outdoor Section With FX4CNF042 Indoor Section																																			
65	1050	12.64	11.63	2.00	16.28	14.96	2.10	20.13	18.35	2.20	24.23	21.52	2.31	28.87	26.28	2.44	34.11	34.11	2.59	39.94	39.94	2.78	46.89	46.89	3.03										
	1200	12.89	11.86	2.01	16.53	15.19	2.10	20.41	18.61	2.19	24.56	21.81	2.29	29.36	26.72	2.41	34.61	34.61	2.55	40.67	40.67	2.73	47.75	47.75	2.96										
	1350	13.10	12.05	2.03	16.77	15.41	2.11	20.66	18.84	2.20	24.85	22.07	2.28	29.70	27.02	2.40	35.02	35.02	2.53	41.06	41.06	2.70	48.36	48.36	2.93										
70	1050	12.02	11.06	2.07	15.74	14.46	2.19	19.64	17.91	2.30	23.77	21.11	2.42	28.30	25.76	2.56	33.50	33.50	2.72	39.21	39.21	2.91	45.94	45.94	3.16										
	1200	12.27	11.29	2.09	16.04	14.74	2.20	19.94	18.18	2.30	24.09	21.40	2.40	28.72	26.14	2.52	34.00	34.00	2.67	39.82	39.82	2.85	46.82	46.82	3.09										
	1350	12.49	11.50	2.11	16.27	14.95	2.21	20.19	18.41	2.30	24.36	21.64	2.39	29.07	26.45	2.51	34.40	34.40	2.65	40.33	40.33	2.82	47.44	47.44	3.05										
75	1050	11.33	10.42	2.15	15.17	13.94	2.28	19.12	17.44	2.41	23.28	20.67	2.54	27.73	25.24	2.68	32.90	32.90	2.85	38.50	38.50	3.05	45.01	45.01	3.30										
	1200	11.60	10.67	2.16	15.44	14.19	2.29	19.42	17.71	2.40	23.61	20.97	2.52	28.15	25.62	2.64	33.38	33.38	2.80	39.11	39.11	2.98	45.88	45.88	3.22										
	1350	11.82	10.88	2.18	15.68	14.41	2.30	19.68	17.95	2.40	23.89	21.21	2.51	28.50	25.93	2.62	33.78	33.78	2.77	39.57	39.57	2.94	46.52	46.52	3.18										

Heating Indoor Model	Capacity	Power	Furnace Model	Heating Indoor Model	Capacity	Power	Furnace Model
*FX4CN(B,F)042	1.00	1.00		CNPH*4221A**	0.97	1.00	58CV(A,X)110-20
FE4ANB006	0.99	0.95		CNPV*3621A**	0.97	1.04	58CV(A,X)110-20
FE4ANF002	0.98	1.03		CNPV*4221A**	0.97	1.00	58CV(A,X)110-20
FE4ANF003	0.97	1.01		CSPH*3612A**	0.97	1.00	58CV(A,X)110-20
FE4ANF005	0.98	0.97		CSPH*4212A**	0.98	0.99	58CV(A,X)110-20
FESANB004	0.99	0.94		CAP**4224A**	0.97	1.01	58CV(A,X)135-22
FF1ENP036	1.01	1.10		CNPH*3617A**	0.97	1.04	58CV(A,X)135-22
FV4BNB006	0.99	0.95		CNPH*4221A**	0.96	0.99	58CV(A,X)135-22
FV4BNF002	0.98	1.03		CSPH*3612A**	0.97	1.00	58CV(A,X)135-22
FV4BNF003	0.97	1.01		CSPH*4212A**	0.98	0.99	58CV(A,X)135-22
FV4BNF005	0.98	0.97		CAP**4224A**	0.97	1.00	58CV(A,X)155-22
FX4CN(B,F)036	0.99	1.02		CNPH*3617A**	0.97	1.03	58CV(A,X)155-22
FY4ANF036	1.01	1.10		CNPH*4221A**	0.96	0.99	58CV(A,X)155-22
FY4ANF042	1.02	1.07		CSPH*3612A**	0.97	0.99	58CV(A,X)155-22
CAP**3614A**	0.98	1.07		CSPH*4212A**	0.98	0.98	58CV(A,X)155-22
CAP**3617A**	1.01	1.08		CAP**4224A**	0.98	1.04	58MV(B)040-14
CAP**3621A**	1.01	1.08		CNPH*3617A**	0.97	1.06	58MV(B)040-14
CAP**4221A**	1.01	1.08		CNPH*4221A**	0.97	1.02	58MV(B)040-14
CAP**4224A**	1.01	1.08		CSPH*3612A**	0.97	1.01	58MV(B)040-14
CNPV*3618A**	1.01	1.09		CSPH*4212A**	0.97	1.00	58MV(B)040-14
CNPH*3617A**	1.01	1.09		CAP**3617A**	0.97	1.04	58MV(B)060-14
CNPH*4221A**	1.01	1.07		CNPH*3617A**	0.97	1.05	58MV(B)060-14
CNPV*3617A**	1.01	1.09		CNPV*4221A**	0.97	1.01	58MV(B)060-14
CNPV*3621A**	1.01	1.09		CSPH*3612A**	0.97	1.05	58MV(B)060-14
CNPV*4221A**	1.01	1.07		CSPH*3612A**	0.97	1.01	58MV(B)060-14
CSPH*3612A**	1.01	1.05		CSPH*4212A**	0.98	1.00	58MV(B)060-14
CSPH*4212A**	1.01	1.04		CAP**3621A**	0.97	1.05	58MV(B)080-14
CAP**3614A**	0.98	1.06		CAP**4221A**	0.98	1.04	58MV(B)080-14
CNPH*3617A**	0.97	1.05	58CV(A,X)070-12	CNPH*3617A**	0.97	1.06	58MV(B)080-14
CNPH*4221A**	0.98	1.03	58CV(A,X)070-12	CNPH*4221A**	0.97	1.02	58MV(B)080-14
CSPH*3612A**	0.97	1.01	58CV(A,X)070-12	CNPV*3621A**	0.97	1.06	58MV(B)080-14
CSPH*4212A**	0.98	1.01	58CV(A,X)070-12	CNPV*4221A**	0.97	1.02	58MV(B)080-14
CSPH*4212A**	0.97	1.01	58CV(A,X)070-12	CSPH*3612A**	0.97	1.02	58MV(B)080-14
CAP**3617A**	0.97	1.03	58CV(A,X)090-16	CSPH*4221A**	0.98	1.01	58MV(B)080-14
CNPH*3617A**	0.97	1.04	58CV(A,X)090-16	CAP**3621A**	0.97	1.04	58MV(B)080-20
CNPH*4221A**	0.97	1.01	58CV(A,X)090-16	CAP**4221A**	0.98	1.03	58MV(B)080-20
CNPV*3617A**	0.97	1.04	58CV(A,X)090-16	CAP**4221A**	0.98	1.03	58MV(B)080-20
CSPH*3612A**	0.97	1.00	58CV(A,X)090-16	CNPH*3617A**	0.97	1.05	58MV(B)080-20
CSPH*4212A**	0.98	0.99	58CV(A,X)090-16	CNPH*4221A**	0.97	1.02	58MV(B)080-20
CAP**3621A**	0.97	1.03	58CV(A,X)110-20	CNPV*3621A**	0.97	1.05	58MV(B)080-20
CNPH*3617A**	0.97	1.04	58CV(A,X)110-20	CSPH*4221A**	0.97	1.02	58MV(B)080-20

See notes on pg. 31

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																							
EDB	CFM	- 3			7			17			27			37			47			57			67		
		Capacity MBtuh	Total System KWt	Integ*	Capacity MBtuh	Total System KWt	Integ*	Capacity MBtuh	Total System KWt	Integ*	Capacity MBtuh	Total System KWt	Integ*	Capacity MBtuh	Total System KWt	Integ*	Capacity MBtuh	Total System KWt	Integ*	Capacity MBtuh	Total System KWt	Integ*			
25HPA42A30 Outdoor Section With P&C/NF48 Indoor Section																									
	1225	17.77	16.35	2.64	21.87	20.10	2.75	26.27	23.95	2.84	30.93	27.47	2.94	36.09	32.84	3.04	42.01	42.01	3.16	48.98	48.98	3.27	56.03	56.03	3.41
65	1400	18.14	16.69	2.69	22.27	20.46	2.78	26.69	24.34	2.86	31.39	27.88	2.95	36.70	33.39	3.03	42.74	42.74	3.13	49.60	49.60	3.20	56.27	56.27	3.32
	1575	18.47	16.99	2.73	22.62	20.79	2.82	27.07	24.68	2.89	31.79	28.24	2.96	37.33	33.97	3.04	43.36	43.36	3.13	49.86	49.86	3.18	54.84	54.84	3.32
	1225	17.18	15.81	2.72	21.32	19.59	2.83	25.75	23.47	2.94	30.42	27.02	3.05	35.49	32.29	3.16	41.30	41.30	3.29	48.11	48.11	3.43	55.33	55.33	3.57
70	1400	17.55	16.15	2.76	21.72	19.96	2.87	26.18	23.87	2.96	30.89	27.44	3.06	36.05	32.81	3.15	42.00	42.00	3.27	48.98	48.98	3.35	55.85	55.85	3.48
	1575	17.89	16.46	2.81	22.09	20.30	2.91	26.56	24.22	2.99	31.30	27.80	3.08	36.53	33.26	3.16	42.62	42.62	3.26	49.32	49.32	3.33	56.01	56.01	3.44
75	1225	16.56	15.23	2.79	20.74	19.06	2.92	25.18	22.96	3.04	29.89	26.54	3.17	34.88	31.74	3.29	40.63	40.63	3.43	47.28	47.28	3.59	54.62	54.62	3.73
	1400	16.95	15.59	2.84	21.15	19.44	2.95	25.63	23.36	3.07	30.37	26.97	3.17	35.44	32.25	3.28	41.29	41.29	3.40	48.22	48.22	3.51	55.12	55.12	3.64
	1575	17.27	15.89	2.88	21.52	19.77	3.00	26.02	23.72	3.10	30.78	27.34	3.19	35.93	32.69	3.29	41.88	41.88	3.40	48.74	48.74	3.48	55.43	55.43	3.60

Heating Indoor Model	Capacity	Power	Furnace Model
*FX4CN(B,F)048	1.00	1.00	
FE4ANB006	0.99	0.98	
FE4ANF003	0.96	1.05	
FE4ANF005	0.98	1.00	
FESANB004	0.99	0.97	
FV4BNB006	0.99	0.98	
FV4BNF003	0.96	1.05	
FV4BNF005	0.98	1.00	
FX4CN(B,F)042	0.99	1.03	
FY4ANF042	1.00	1.09	
FY4ANF048	1.01	1.07	
CAP**4221A**	1.00	1.09	
CAP**4224A**	1.00	1.09	
CAP**4817A**	1.01	1.05	
CAP**4821A**	1.01	1.07	
CAP**4824A**	1.01	1.07	
CNPF*4818A**	0.99	1.06	
CNPH*4221A**	1.00	1.09	
CNPH*4821A**	1.01	1.07	
CNPV*4221A**	1.00	1.09	
CNPV*4821A**	1.01	1.07	
CNPV*4824A**	1.01	1.07	
CSPH*4212A**	1.00	1.05	
CSPH*4812A**	1.01	1.05	
CNPH*4221A**	0.96	1.05	58CV(A,X)070-12
CNPH*4821A**	0.98	1.04	58CV(A,X)070-12
CSPH*4212A**	0.96	1.03	58CV(A,X)070-12
CSPH*4812A**	0.98	1.04	58CV(A,X)070-12
CAP**4817A**	0.98	1.02	58CV(A,X)090-16
CNPH*4221A**	0.96	1.04	58CV(A,X)090-16
CNPH*4821A**	0.98	1.03	58CV(A,X)090-16
CSPH*4212A**	0.96	1.02	58CV(A,X)090-16
CSPH*4812A**	0.98	1.02	58CV(A,X)090-16
CAP**4221A**	0.96	1.05	58CV(A,X)110-20
CAP**4821A**	0.98	1.02	58CV(A,X)110-20
CNPH*4221A**	0.96	1.03	58CV(A,X)110-20
CNPH*4821A**	0.98	1.02	58CV(A,X)110-20
CNPV*4221A**	0.96	1.03	58CV(A,X)110-20
CNPV*4821A**	0.98	1.02	58CV(A,X)110-20
CSPH*4212A**	0.96	1.01	58CV(A,X)110-20
CSPH*4812A**	0.98	1.02	58CV(A,X)110-20

Heating Indoor Model	Capacity	Power	Furnace Model
CAP**4224A**	0.96	1.04	58CV(A,X)135-22
CAP**4824A**	0.98	1.02	58CV(A,X)135-22
CNPH*4221A**	0.96	1.03	58CV(A,X)135-22
CNPH*4821A**	0.98	1.02	58CV(A,X)135-22
CNPV*4824A**	0.98	1.02	58CV(A,X)135-22
CSPI*4212A**	0.96	1.01	58CV(A,X)135-22
CSPI*4812A**	0.98	1.01	58CV(A,X)135-22
CAP**4224A**	0.96	1.04	58CV(A,X)155-22
CAP**4824A**	0.98	1.02	58CV(A,X)155-22
CNPH*4221A**	0.96	1.03	58CV(A,X)155-22
CNPH*4821A**	0.98	1.02	58CV(A,X)155-22
CNPV*4824A**	0.98	1.02	58CV(A,X)155-22
CSPI*4212A**	0.96	1.01	58CV(A,X)155-22
CSPI*4812A**	0.98	1.01	58CV(A,X)155-22
CAP**4224A**	0.96	1.07	58WB040-14
CAP**4824A**	0.98	1.05	58WB040-14
CNPH*4221A**	0.96	1.05	58WB040-14
CNPH*4821A**	0.98	1.04	58WB040-14
CNPV*4824A**	0.98	1.04	58WB040-14
CSPI*4212A**	0.96	1.03	58WB040-14
CSPI*4812A**	0.98	1.04	58WB040-14
CAP**4817A**	0.99	1.04	58WB060-14
CNPH*4221A**	0.96	1.05	58WB060-14
CNPH*4821A**	0.98	1.03	58WB060-14
CSPI*4212A**	0.96	1.02	58WB060-14
CSPI*4812A**	0.98	1.03	58WB060-14
CAP**4221A**	0.96	1.07	58WB080-14
CAP**4821A**	0.98	1.05	58WB080-14
CNPH*4221A**	0.96	1.06	58WB080-14
CNPH*4821A**	0.98	1.05	58WB080-14
CNPV*4821A**	0.96	1.06	58WB080-14
CNPV*4821A**	0.96	1.03	58WB080-14
CSPI*4212A**	0.96	1.04	58WB080-14
CSPI*4812A**	0.98	1.04	58WB080-14
CAP**4221A**	0.96	1.06	58WB080-20
CAP**4821A**	0.98	1.04	58WB080-20
CNPH*4221A**	0.96	1.05	58WB080-20
CNPH*4821A**	0.98	1.03	58WB080-20
CNPV*4221A**	0.96	1.05	58WB080-20
CNPV*4821A**	0.96	1.02	58WB080-20
CSPI*4212A**	0.96	1.02	58WB080-20

Heating Indoor Model	Capacity	Power	Furnace Model
CSPH*4812A**	0.98	1.03	58MBV080-20
CAP**4221A**	0.96	1.05	58MBV100-20
CAP**4821A**	0.98	1.03	58MBV100-20
CNPV*4221A**	0.96	1.04	58MBV100-20
CNPV*4821A**	0.98	1.03	58MBV100-20
CNPV*4221A**	0.96	1.04	58MBV100-20
CNPV*4821A**	0.98	1.03	58MBV100-20
CSPH*4212A**	0.96	1.02	58MBV100-20
CSPH*4812A**	0.98	1.02	58MBV100-20
CAP**4224A**	0.98	1.05	58MBV120-20
CAP**4824A**	0.98	1.03	58MBV120-20
CNPV*4221A**	0.96	1.04	58MBV120-20
CNPV*4821A**	0.98	1.03	58MBV120-20
CNPV*4824A**	0.98	1.02	58MBV120-20
CSPH*4212A**	0.96	1.03	58MBV120-20
CSPH*4812A**	0.98	1.03	58MBV120-20
CSPH*4212A**	0.96	1.02	58MBV120-20
CSPH*4812A**	0.98	1.03	58MBV120-20

See notes on pg. 31

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR		- 3			7			17			27			37			47			57			67		
		Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†
EDB	CFM	Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
65	1400	19.54	17.98	2.79	24.30	22.33	2.91	29.42	26.83	3.02	34.92	31.02	3.15	41.16	37.45	3.30	48.11	48.11	3.47	56.36	56.36	3.64	64.59	64.59	3.87
	1600	19.84	18.25	2.80	24.62	22.63	2.90	29.78	27.15	3.01	35.34	31.38	3.12	41.92	38.14	3.25	48.81	48.81	3.40	56.71	56.71	3.53	64.00	64.00	3.70
	1800	20.10	18.49	2.82	24.91	22.89	2.91	30.09	27.44	3.00	35.69	31.70	3.10	42.11	38.32	3.22	49.41	49.41	3.33	56.74	56.74	3.46	61.21	61.21	3.54
	1400	18.95	17.44	2.92	23.74	21.82	3.05	28.89	26.34	3.17	34.59	30.55	3.31	40.39	36.75	3.46	47.33	47.33	3.65	55.45	55.45	3.84	63.71	63.71	4.07
70	1600	19.25	17.71	2.93	24.07	22.12	3.04	29.26	26.68	3.15	34.81	30.92	3.26	40.92	37.23	3.41	48.00	48.00	3.58	56.03	56.03	3.72	63.79	63.79	3.91
	1800	19.52	17.96	2.95	24.36	22.39	3.05	29.58	26.97	3.15	35.16	31.23	3.26	41.37	37.65	3.38	48.57	48.57	3.52	56.18	56.18	3.65	62.11	62.11	3.77
	1400	18.32	16.66	3.05	23.16	21.28	3.19	28.33	25.83	3.33	33.84	30.06	3.48	39.77	36.19	3.64	46.58	46.58	3.84	54.50	54.50	4.05	62.93	62.93	4.28
	1600	18.63	17.14	3.06	23.49	21.59	3.18	28.71	26.17	3.31	34.27	30.43	3.44	40.26	36.64	3.58	47.22	47.22	3.76	55.33	55.33	3.91	63.06	63.06	4.12
75	1800	18.89	17.38	3.08	23.79	21.86	3.19	29.03	26.46	3.30	34.63	30.75	3.42	40.70	37.04	3.55	47.76	47.76	3.71	55.56	55.56	3.84	62.40	62.40	4.00

25HPA548A30 Outdoor Section With FX4CNF060 Indoor Section

Heating Indoor Model	Capacity	Power	Furnace Model
*FX4CN(B,F)060	1.00	1.00	
FE4ANB006	0.98	1.00	
FE4ANF005	0.98	1.04	
FV4BNB006	0.98	1.00	
FV4BNF005	0.98	1.04	
FX4CN(B,F)048	1.00	1.04	
FY4ANB060	1.02	1.08	
FY4ANF048	1.00	1.09	
CAP**4817A**	0.99	1.08	
CAP**4821A**	1.01	1.09	
CAP**4824A**	1.01	1.09	
CAP**6021A**	1.01	1.08	
CAP**6024A**	1.01	1.08	
CAP**6024A**	1.01	1.08	
CNPF*4818A**	0.98	1.11	
CNPH*4821A**	1.01	1.09	
CNPH*6024A**	1.01	1.08	
CNPV*4821A**	1.01	1.09	
CNPV*4824A**	1.01	1.09	
CNPV*6024A**	1.01	1.08	
CSPH*4812A**	1.01	1.08	
CSPH*6012A**	1.01	1.06	
CAP**4817A**	0.98	1.07	58CV(A,X)090-16
CNPH*4821A**	0.98	1.08	58CV(A,X)090-16
CNPH*6024A**	0.98	1.06	58CV(A,X)090-16
CSPH*4812A**	0.98	1.07	58CV(A,X)090-16
CSPH*6012A**	0.98	1.05	58CV(A,X)090-16
CAP**4821A**	0.98	1.07	58CV(A,X)110-20
CAP**6021A**	0.98	1.05	58CV(A,X)110-20
CNPH*4821A**	0.98	1.07	58CV(A,X)110-20
CNPH*6024A**	0.98	1.05	58CV(A,X)110-20
CNPV*4812A**	0.98	1.07	58CV(A,X)110-20
CNPV*4821A**	0.98	1.06	58CV(A,X)110-20
CSPH*4812A**	0.98	1.04	58CV(A,X)110-20
CAP**4824A**	0.98	1.06	58CV(A,X)135-22
CAP**6024A**	0.98	1.04	58CV(A,X)135-22
CNPH*4821A**	0.98	1.06	58CV(A,X)135-22
CNPH*6024A**	0.98	1.05	58CV(A,X)135-22
CNPV*4824A**	0.98	1.06	58CV(A,X)135-22
CNPV*6024A**	0.98	1.05	58CV(A,X)135-22
CSPH*4812A**	0.98	1.05	58CV(A,X)135-22
CSPH*6012A**	0.98	1.03	58CV(A,X)135-22

Heating Indoor Model	Capacity	Power	Furnace Model
CAP**4824A**	0.98	1.06	58CV(A,X)155-22
CAP**6024A**	0.98	1.04	58CV(A,X)155-22
CNPH*4821A**	0.98	1.05	58CV(A,X)155-22
CNPH*6024A**	0.98	1.04	58CV(A,X)155-22
CNPV*4824A**	0.98	1.05	58CV(A,X)155-22
CNPV*6024A**	0.98	1.04	58CV(A,X)155-22
CSPH*4812A**	0.98	1.05	58CV(A,X)155-22
CSPH*6012A**	0.98	1.03	58CV(A,X)155-22
CAP**4821A**	0.98	1.09	58MV/B080-20
CAP**6021A**	0.99	1.08	58MV/B080-20
CNPH*4821A**	0.98	1.08	58MV/B080-20
CNPH*6024A**	0.98	1.07	58MV/B080-20
CNPV*4821A**	0.98	1.08	58MV/B080-20
CSPH*4812A**	0.98	1.07	58MV/B080-20
CSPH*6012A**	0.98	1.06	58MV/B080-20
CAP**4821A**	0.98	1.08	58MV/B100-20
CAP**6021A**	0.98	1.06	58MV/B100-20
CNPH*4821A**	0.98	1.08	58MV/B100-20
CNPH*6024A**	0.98	1.08	58MV/B100-20
CNPV*4821A**	0.98	1.06	58MV/B100-20
CNPV*4824A**	0.98	1.08	58MV/B100-20
CSPH*4812A**	0.98	1.07	58MV/B100-20
CSPH*6012A**	0.98	1.05	58MV/B100-20
CAP**4824A**	0.98	1.08	58MV/B120-20
CAP**6024A**	0.98	1.06	58MV/B120-20
CNPH*4821A**	0.98	1.08	58MV/B120-20
CNPH*6024A**	0.98	1.06	58MV/B120-20
CNPV*4821A**	0.98	1.08	58MV/B120-20
CNPV*4824A**	0.98	1.06	58MV/B120-20
CSPH*4812A**	0.98	1.07	58MV/B120-20
CSPH*6012A**	0.98	1.05	58MV/B120-20

See notes on pg. 31

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																							
EDB	CFM	- 3			7			17			27			37			47			57			67		
		Capacity Total	Capacity MBtuh Integ*	Total System KW†	Capacity MBtuh Total	Capacity MBtuh Integ*	Total System KW†	Capacity MBtuh Total	Capacity MBtuh Integ*	Total System KW†	Capacity MBtuh Total	Capacity MBtuh Integ*	Total System KW†	Capacity MBtuh Total	Capacity MBtuh Integ*	Total System KW†	Capacity MBtuh Total	Capacity MBtuh Integ*	Total System KW†	Capacity MBtuh Total	Capacity MBtuh Integ*	Total System KW†			
25HPA560A30 Outdoor Section With FX4CNP060 Indoor Section																									
65	1750	25.04	23.04	3.66	30.87	28.37	3.82	37.09	33.82	3.99	43.79	38.89	4.18	51.53	46.90	4.41	59.82	59.82	4.61	68.25	68.25	4.88	76.95	76.95	5.17
	2000	25.48	23.44	3.69	31.34	28.80	3.84	37.58	34.27	4.00	44.35	39.39	4.17	52.32	47.61	4.35	60.19	60.19	4.54	68.33	68.33	4.77	72.60	72.60	4.88
	2250	25.87	23.80	3.74	31.76	29.18	3.88	38.03	34.67	4.02	44.84	39.82	4.18	52.89	48.13	4.34	60.29	60.29	4.51	66.89	66.89	4.68	68.93	68.93	4.71
70	1750	24.33	22.39	3.82	30.20	27.76	3.99	36.48	33.26	4.18	43.16	38.33	4.39	50.61	46.05	4.62	59.08	59.08	4.83	67.48	67.48	5.11	76.32	76.32	5.42
	2000	24.77	22.79	3.86	30.68	28.20	4.02	36.99	33.72	4.19	43.72	38.83	4.37	51.39	46.77	4.58	59.50	59.50	4.76	67.66	67.66	5.00	73.14	73.14	5.16
	2250	25.17	23.16	3.91	31.11	28.59	4.05	37.43	34.13	4.21	44.21	39.27	4.38	52.04	47.36	4.55	59.73	59.73	4.73	67.52	67.52	4.94	69.87	69.87	4.98
75	1750	23.57	21.68	3.99	29.51	27.12	4.18	35.83	32.67	4.38	42.51	37.75	4.59	49.79	45.31	4.83	58.34	58.34	5.06	66.67	66.67	5.35	75.53	75.53	5.68
	2000	24.01	22.09	4.03	29.99	27.56	4.20	36.35	33.14	4.38	43.07	38.26	4.58	50.52	45.97	4.79	58.80	58.80	4.99	66.99	66.99	5.24	73.35	73.35	5.44
	2250	24.41	22.46	4.08	30.42	27.95	4.23	36.81	33.56	4.40	43.57	38.70	4.58	51.16	46.56	4.77	59.10	59.10	4.95	67.03	67.03	5.18	70.50	70.50	5.26

Heating Indoor Model	Capacity	Power	Furnace Model
*FX4CN(B,F)060	1.00	1.00	
FE4ANB006	0.99	1.00	
FV4BNB006	0.99	1.00	
FY4ANB060	1.01	1.05	
CAP**6021A**	0.99	1.04	
CAP**6024A**	1.01	1.04	
CNPV*6024A**	1.01	1.04	
CNPV*6024A**	1.01	1.04	
CSPH*6012A**	1.01	1.02	
CAP**6021A**	0.99	1.04	58CV(A,X)110-20
CNPV*6024A**	0.98	1.05	58CV(A,X)110-20
CSPH*6012A**	0.98	1.02	58CV(A,X)110-20
CAP**6024A**	0.99	1.04	58CV(A,X)135-22
CNPV*6024A**	0.99	1.05	58CV(A,X)135-22
CNPV*6024A**	0.99	1.05	58CV(A,X)135-22
CSPH*6012A**	0.98	1.01	58CV(A,X)135-22
CAP**6024A**	0.98	1.02	58CV(A,X)155-22
CNPV*6024A**	0.99	1.04	58CV(A,X)155-22
CNPV*6024A**	0.99	1.04	58CV(A,X)155-22
CSPH*6012A**	0.98	1.00	58CV(A,X)155-22

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

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

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

EDB — Entering Dry Bulb

GUIDE SPECIFICATIONS

GENERAL

System Description

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

Quality Assurance

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

Delivery, Storage, and Handling

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

Warranty (for inclusion by specifying engineer)

- U.S. and Canada only.

PRODUCTS

Equipment

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

Unit Cabinet

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

Fans

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

AIR-COOLED, SPLIT-SYSTEM HEAT PUMP

25HPA5

1-1/2 TO 5 NOMINAL TONS

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

Compressor

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

Condenser Coil

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

Refrigeration Components

- Refrigeration circuit components will include liquid-line shutoff valve with sweat connections, vapor-line shutoff valve with sweat connections, system charge of Puron® (R-410A) refrigerant, POE compressor oil, accumulator, and reversing valve.

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.