

25HCA5
Comfort™ Series 15 Heat Pump
with Puron® Refrigerant
1 – 1/2 To 5 Nominal Tons (Sizes 18 To 60)



Turn to the Experts.™

Product Data



A04030



Comfort
SERIES

Carrier's heat pumps with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 25HCA 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

Efficiency

- 14.5 - 15 SEER/ 11.7 - 13.0 EER/ 7.7 - 9.0 HSPF (nominal)
- Microtube Technology™ refrigeration system
- Indoor air quality accessories available

Sound

- Sound level as low as 74 dBA

Comfort

- System supports Thermidistat™ or standard thermostat controls

Reliability

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

Durability

WeatherArmor™ protection package:

- Solid, durable sheet metal construction
- Steel louver coil guard
- Color matched, ceramic coated cabinet screws
- Baked-on powder paint

Applications

- Long-line - up to 250 feet total equivalent length, up to 200 feet condenser above evaporator, or up to 80 ft. evaporator above condenser (See Longline Guide for more information.)
- Low ambient (down to -20°F) with accessory kit

Warranty

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

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	C	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	C=Comfort	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
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
Front Seating Service Valves	X	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X	X
Long Line capability	X	X	X	X	X	X	X
Low Ambient capability with Kit	X	X	X	X	X	X	X
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)	174	219	247	254	280	302	342
Shipping Weight (lb)	201	263	283	291	316	341	382
Compressor Type	Scroll						
REFRIGERANT	Puron® (R-410A)						
Control	TXV (Puron Hard Shutoff)						
Charge (lb)	6.4	7.7	11.5	12.4	12.4	13.8	16.2
COND FAN	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	2614	3223	3334	3810	3810	4046	4046
Motor HP	1/10	1/12	1/8	1/5	1/5	1/5	1/5
Motor RPM	800	800	800	800	800	800	800
COND COIL							
Face Area (Sq ft)	15.09	25.15	20.12	22.63	25.15	25.15	30.18
Fins per In.	20	20	20	20	20	20	20
Rows	1	1	2	2	2	2	2
Circuits	5	5	6	6	6	8	10
VALVE CONNECT. (In. ID)							
Vapor	5/8	5/8	3/4	3/4	7/8	7/8	7/8
Liquid	3/8						
REFRIGERANT TUBES* (In. OD)							
Vapor (0-80 Ft Tube Length)	5/8	5/8	3/4	3/4	7/8	7/8	1-1/8
Liquid (0-80 Ft Tube Length)	3/8						

* For tubing sets between 80 and 200 ft. horizontal or 20 ft. vertical differential, consult the Longline 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 Vapor Line Diameters (In. OD)	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	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	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	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	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	3/4	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	3/4	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	3/4	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

ORDER NUMBER	DESCRIPTION	18–30	24–30	30–30	36–30	42–30	48–30	60–30
KAACH1601AAA	CRANKCASE HTR					S	S	S
KAACH1701AAA	CRANKCASE HTR	X	X	S	S			
KAAFT0101AAA	FREEZE THERMOSTAT	X	X	X	X	X	X	X
KSAHS1701AAA	HARD START (CAP/RELAY)	X	X	X	X	X	X	X
KHAIR0101AAA	ISOLATION RELAY	X	X	X	X	X	X	X
KSALA0301410	LOW AMBIENT PSW	X	X	X	X	X	X	X
HC32GE229	MOTOR FAN BALL BEARING		X					
HC34GE242	MOTOR FAN BALL BEARING	X						
HC36GE232	MOTOR FAN BALL BEARING			X				
HC38GE228	MOTOR FAN BALL BEARING				X	X		
HC40GE228	MOTOR FAN BALL BEARING						X	X
KSALA0601AAA	MOTORMASTER 230V	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
KHASS0601AAA*	HEAT PUMP SNOW RACK	X	X	X	X	X	X	X
KHALS0401LLS	SOLENOID VALVE	X	X	X	X	X	X	X
KAACS0201PTC	START ASSIST PTC	X	X	X	X	X	X	X
KSASF0101AAA	SUPPORT FEET	X	X	X	X	X	X	X
KAATD0101TDR	TIME DELAY	X	X	X	X	X	X	X
KSATX0201PUR	TXV PURON HSO	X	X	X				
KSATX0301PUR	TXV PURON HSO				X	X		
KSATX0401PUR	TXV PURON HSO						X	
KSATX0501PUR	TXV PURON HSO							X

x = Accessory S = Standard

* Order through RCD – Totaline, part number KHASS0606MPK (qty 6).

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 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 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	Yes	No	No
Support Feet	Recommended	No	Recommended
Liquid Line Solenoid Valve	No	See Long-Line Application Guideline	No
Ball Bearing Fan Motor	Yes†	No	No

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

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

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) (Cont.)

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. Snow Rack (Stand)

Coated wire rack which supports unit 18-in. above mounting pad to allow for drainage from unit base.

Usage Guideline:

Suggested in the following applications:

Heat pump installations in heavy snowfall areas.

Heat pump installations in snowdrift locations.

Heat pump installations in areas of prolonged subfreezing temperatures.

14. 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.

15. 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.

16. 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			60° C	75° C	60° C	75° C	
18–30	208/230/1	253	197	48	9.0	0.75	12	14	14	66	62	20
24–30				58.3	12.8	0.5	16.5	14	14	48	45	25
30–30				73	14.4	0.9	18.9	14	14	42	40	30
36–30				79	16.7	1.2	22.1	12	12	57	54	35
42–30				109	22.4	1.2	29.2	10	10	68	65	45
48–30				117	22.9	1.2	29.8	10	10	67	64	50
60–30				134	26.7	1.2	34.5	8	10	90	55	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	74	58.5	62.5	67.0	67.5	65.5	62.5	53.5
24–30	74	53.0	57.0	63.5	66.0	62.0	60.5	53.5
30–30	74	55.0	62.0	64.5	65.5	63.5	60.5	51.5
36–30	74	59.5	66.5	67.0	70.0	64.5	62.0	54.5
42–30	74	60.0	63.5	65.5	69.0	66.0	62.5	56.5
48–30	74	57.5	63.5	65.0	66.5	64.5	60.0	56.5
60–30	74	60.0	63.5	65.0	67.0	65.0	63.5	56.0

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE	REQUIRED SUBCOOLING (°F)	OUTDOOR HEATING PISTON NO.
18–30	10	42
24–30	6	46
30–30	10	52
36–30	9	52
42–30	9	59
48–30	9	67
60–30	11	76

25HCA5

DIMENSIONS

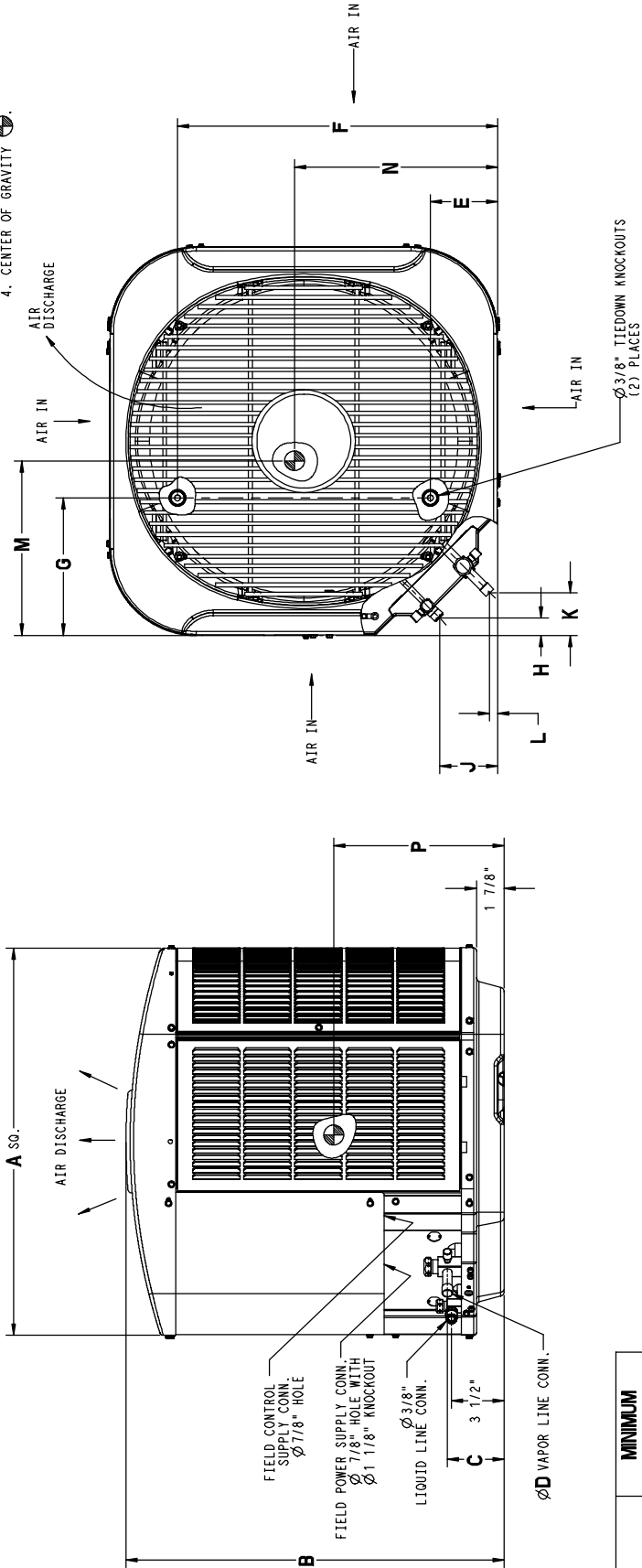
UNIT	SERIES	ELECTRICAL CHARACTERISTICS			A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT	SHIPPING WEIGHT	SHIPPING DIMENSIONS (L x W x H)		
25HCA518	0	X	0	0	31 3/16"	28 15/16"	3 3/4"	5/8"	6 9/16"	24 11/16"	9 1/8"	1 1/8"	3 13/16"	2 13/16"	1/2"	14"	14 3/4"	14"	174#	201#	32 5/16" X 32 5/16" X 32 5/8"		
25HCA524	0	X	0	0	35"	39 1/8"	3 3/4"	5/8"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 13/16"	1/2"	15 3/4"	15 1/2"	16 1/4"	219#	263#	36 1/8" X 36 1/8" X 42 7/8"		
25HCA530	0	X	0	0	35"	32 5/16"	3 3/4"	3/4"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 13/16"	1/2"	16"	15 1/4"	14 3/4"	247#	283#	36 1/8" X 36 1/8" X 36 1/16"		
25HCA536	0	X	0	0	35"	35 3/4"	3 3/4"	3/4"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 13/16"	1/2"	16"	14 1/2"	15 1/2"	254#	291#	36 1/8" X 36 1/8" X 39 7/16"		
25HCA542	0	X	0	0	35"	39 1/8"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 15/16"	5/8"	16 1/4"	15 1/2"	18 1/2"	280#	316#	36 1/8" X 36 1/8" X 42 7/8"		
25HCA548	0	X	0	0	35"	39 1/8"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 15/16"	5/8"	16 1/2"	17 1/2"	17 1/2"	302#	341#	36 1/8" X 36 1/8" X 42 7/8"		
25HCA560	0	X	0	0	35"	45 15/16"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 15/16"	5/8"	16"	19"	22"	342#	382#	36 1/8" X 36 1/8" X 49 5/8"		

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

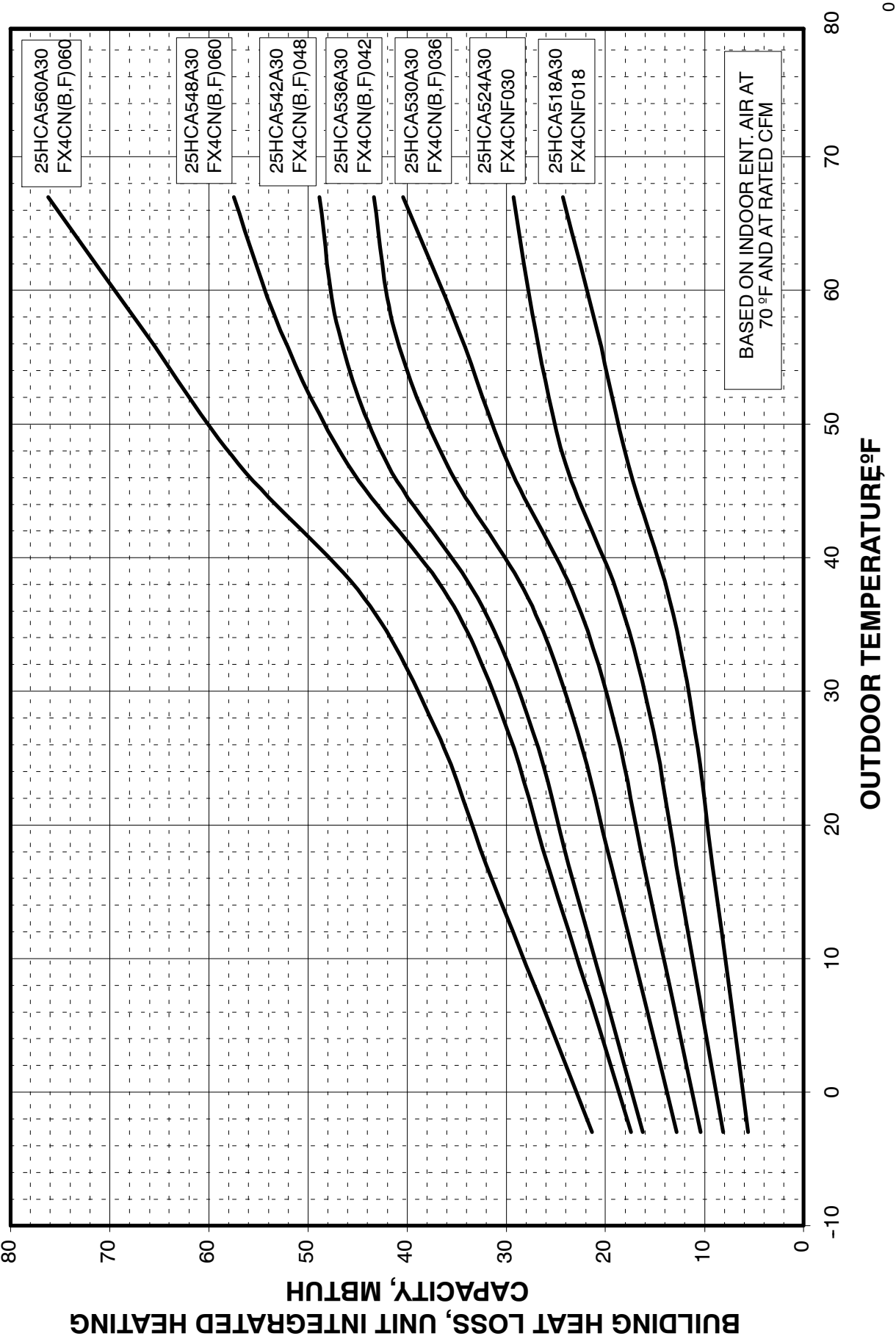
NOTES:

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



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

25HCA5 BALANCE POINT WORKSHEET



COMBINATION RATINGS

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	17,400	TDR&TXV	14.50		11.7	17,700	3.56	10,300	2.32	7.7		
	FE4ANF002	17,600	TDR&TXV	15.00		12.00	17,500	3.62	10,100	2.36	8.0		
	FF1ENP018	17,000	TDR&TXV	13.00		10.50	18,000	3.36	10,700	2.20	7.7		
	FF1ENP024	17,300	TDR&TXV	13.20		10.70	18,000	3.40	10,700	2.22	7.7		
	FV4BNF002	17,600	TDR&TXV	15.00		12.00	17,500	3.62	10,100	2.36	8.0		
	FX4CNF024	17,600	TDR&TXV	14.50		11.70	17,700	3.60	10,300	2.36	7.7		
	FY4ANF018	17,000	TDR&TXV	13.00		10.50	18,000	3.34	10,700	2.18	7.7		
	FY4ANF024	17,100	TDR&TXV	13.00		10.50	18,000	3.34	10,700	2.18	7.7		
	CAP**2414A**	17,200	TDR&TXV	14.50		11.70	17,300	3.46	10,100	2.30	7.7	58CV(A,X)070–12	
	CAP**2417A**	17,300	TDR&TXV	14.50		11.70	17,400	3.50	10,100	2.30	7.7	58CV(A,X)090–16	
	CAP**2417A**	17,200	TDR&TXV	14.50		11.70	17,400	3.48	10,100	2.30	7.7	58MVB060–14	
	CNPF*2418A**	17,300	TXV			13.20	10.70	18,000	3.50	10,800	2.24	7.7	
	CNPH*2417A**	17,200	TDR&TXV	14.50		11.70	17,400	3.52	10,100	2.30	7.7	58CV(A,X)070–12	
	CNPH*2417A**	17,300	TDR&TXV	14.50		11.70	17,500	3.54	10,100	2.32	7.7	58CV(A,X)090–16	
	CNPH*2417A**	17,200	TDR&TXV	14.50		11.70	17,500	3.52	10,100	2.32	7.7	58MVB040–14	
	CNPH*2417A**	17,200	TDR&TXV	14.50		11.70	17,400	3.52	10,100	2.32	7.7	58MVB060–14	
	CNPH*2417A**	17,300	TDR&TXV	14.50		11.70	17,500	3.54	10,100	2.32	7.7	58MVB080–14	
	CNPH*2417A**	17,300	TXV		13.20	10.70	18,000	3.50	10,800	2.24	7.7		
	CNPV*2414A**	17,200	TDR&TXV	14.50		11.70	17,400	3.52	10,100	2.30	7.7	58CV(A,X)070–12	
	CNPV*2414A**	17,300	TXV		13.20	10.70	18,000	3.50	10,800	2.24	7.7		
	CNPV*2417A**	17,300	TDR&TXV	14.50		11.70	17,500	3.54	10,100	2.32	7.7	58CV(A,X)090–16	
	CNPV*2417A**	17,200	TDR&TXV	14.50		11.70	17,500	3.52	10,100	2.32	7.7	58MVB060–14	
	CNPV*2417A**	17,300	TXV		13.20	10.70	18,000	3.50	10,800	2.24	7.7		
CSPH*2412A**	17,300	TDR&TXV	14.50		11.70	17,400	3.50	10,100	2.30	7.7	58CV(A,X)070–12		
CSPH*2412A**	17,400	TDR&TXV	14.50		11.70	17,500	3.52	10,100	2.32	7.7	58CV(A,X)090–16		
CSPH*2412A**	17,400	TDR&TXV	14.50		11.70	17,400	3.50	10,100	2.30	7.7	58MVB040–14		
CSPH*2412A**	17,400	TDR&TXV	14.50		11.70	17,500	3.52	10,100	2.30	7.7	58MVB060–14		
CSPH*2412A**	17,400	TDR&TXV	14.50		11.70	17,500	3.52	10,100	2.32	7.7	58MVB080–14		
CSPH*2412A**	17,500	TXV		13.20	10.70	18,000	3.50	10,800	2.24	7.7			
24–30	*FX4CNF030	23,600	TDR&TXV	15.00		12.5	24,000	3.86	14,700	2.66	8.6		
	FE4AN(B,F)003	23,600	TDR&TXV	15.50		13.00	23,600	3.80	14,400	2.68	8.5		
	FE4ANF002	23,400	TDR&TXV	15.50		12.50	24,000	3.82	14,500	2.66	8.5		
	FF1ENP024	23,000	TDR&TXV	13.50		11.00	24,000	3.56	15,200	2.46	8.0		
	FF1ENP030	23,000	TDR&TXV	13.50		11.20	24,000	3.58	15,200	2.48	8.1		
	FV4BN(B,F)003	23,600	TDR&TXV	15.50		13.00	23,600	3.80	14,400	2.68	8.5		
	FV4BNF002	23,400	TDR&TXV	15.50		12.50	24,000	3.82	14,500	2.66	8.5		
	FX4CNF024	23,200	TDR&TXV	14.50		12.00	24,000	3.74	14,700	2.60	8.4		
	FY4ANF024	22,800	TDR&TXV	13.50		11.20	24,000	3.56	15,100	2.48	8.0		
	FY4ANF030	23,200	TDR&TXV	14.00		11.50	24,000	3.66	15,200	2.52	8.2		
	CAP**2414A**	23,000	TDR&TXV	15.00		12.50	23,800	3.62	14,400	2.58	8.2	58CV(A,X)070–12	
	CAP**2414A**	23,000	TXV		13.50	11.20	24,000	3.62	15,200	2.50	8.0		
	CAP**2417A**	23,000	TDR&TXV	15.00		12.50	23,800	3.66	14,400	2.60	8.2	58CV(A,X)090–16	
	CAP**2417A**	23,000	TDR&TXV	15.00		12.50	23,800	3.64	14,400	2.60	8.2	58MVB060–14	
	CAP**2417A**	23,000	TXV		13.50	11.20	24,000	3.62	15,200	2.50	8.2		
	CAP**3014A**	23,200	TDR&TXV	15.00		12.50	23,600	3.66	14,400	2.60	8.2	58CV(A,X)070–12	
	CAP**3014A**	23,400	TXV		13.50	11.20	24,000	3.58	15,300	2.52	8.2		
	CAP**3017A**	23,400	TDR&TXV	15.50		12.50	23,600	3.72	14,400	2.62	8.3	58CV(A,X)090–16	
	CAP**3017A**	23,200	TDR&TXV	15.50		12.50	23,600	3.70	14,400	2.62	8.3	58MVB060–14	
	CAP**3017A**	23,400	TXV		13.50	11.20	24,000	3.58	15,300	2.52	8.2		
	CNPF*2418A**	23,000	TXV		13.50	11.20	24,000	3.70	15,300	2.52	8.3		
	CNPH*2417A**	22,800	TDR&TXV	15.00		12.00	24,000	3.68	14,500	2.60	8.3	58CV(A,X)070–12	
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.50	24,000	3.72	14,400	2.62	8.3	58CV(A,X)090–16	
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.00	24,000	3.72	14,500	2.60	8.3	58CV(A,X)110–20	
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.50	24,000	3.72	14,500	2.60	8.3	58CV(A,X)135–22	
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.50	24,000	3.72	14,500	2.62	8.3	58CV(A,X)155–22	
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.00	24,000	3.72	14,500	2.60	8.3	58MVB040–14	
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.50	24,000	3.70	14,500	2.60	8.3	58MVB060–14	
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.00	24,000	3.72	14,500	2.60	8.3	58MVB080–14	
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.00	24,000	3.70	14,500	2.60	8.3	58MVB080–20	
	CNPH*2417A**	23,000	TDR&TXV	15.00		12.50	24,000	3.72	14,500	2.62	8.3	58MVB100–20	
	CNPH*2417A**	22,800	TDR&TXV	15.00		12.00	24,000	3.68	14,500	2.58	8.3	58MVB120–20	
	CNPH*2417A**	23,000	TXV		13.50	11.20	24,000	3.70	15,300	2.52	8.3		
	CNPH*3017A**	23,200	TDR&TXV	15.50		12.50	23,600	3.68	14,400	2.60	8.3	58CV(A,X)070–12	
	CNPH*3017A**	23,400	TDR&TXV	15.50		12.50	23,600	3.72	14,400	2.64	8.3	58CV(A,X)090–16	
	CNPH*3017A**	23,400	TDR&TXV	15.50		12.50	23,600	3.72	14,400	2.62	8.3	58CV(A,X)110–20	
CNPH*3017A**	23,400	TDR&TXV	15.50		12.50	23,600	3.72	14,400	2.64	8.3	58CV(A,X)135–22		
CNPH*3017A**	23,400	TDR&TXV	15.50		12.50	23,600	3.72	14,400	2.64	8.4	58CV(A,X)155–22		
CNPH*3017A**	23,400	TDR&TXV	15.50		12.50	23,600	3.70	14,500	2.62	8.3	58MVB040–14		
CNPH*3017A**	23,200	TDR&TXV	15.50		12.50	23,600	3.70	14,400	2.62	8.3	58MVB060–14		
CNPH*3017A**	23,400	TDR&TXV	15.50		12.50	23,600	3.70	14,500	2.62	8.3	58MVB080–14		
CNPH*3017A**	23,400	TDR&TXV	15.50		12.50	23,600	3.70	14,400	2.62	8.3	58MVB080–20		
CNPH*3017A**	23,400	TDR&TXV	15.50		12.50	23,600	3.72	14,400	2.62	8.4	58MVB100–20		

See note on pg. 16

COMBINATION RATINGS (CONT.)

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			
24 – 30	CNPH*3017A**	23,200	TDR&TXV	15.50		12.50	23,600	3.68	14,400	2.60	8.3	58MVB120 – 20	
	CNPH*3017A**	23,400	TXV		13.50	11.20	24,000	3.60	15,300	2.52	8.2		
	CNPV*2414A**	22,800	TDR&TXV	15.00		12.00	24,000	3.68	14,500	2.60	8.3	58CV(A,X)070 – 12	
	CNPV*2414A**	23,000	TXV		13.50	11.20	24,000	3.70	15,300	2.52	8.3		
	CNPV*2417A**	23,000	TDR&TXV	15.00		12.50	24,000	3.72	14,400	2.62	8.3	58CV(A,X)090 – 16	
	CNPV*2417A**	23,000	TDR&TXV	15.00		12.50	24,000	3.70	14,500	2.60	8.3	58MVB060 – 14	
	CNPV*2417A**	23,000	TXV		13.50	11.20	24,000	3.70	15,300	2.52	8.3		
	CNPV*3014A**	23,200	TDR&TXV	15.00		12.50	23,600	3.68	14,400	2.60	8.3	58CV(A,X)070 – 12	
	CNPV*3014A**	23,400	TXV		13.50	11.20	24,000	3.60	15,300	2.52	8.2		
	CNPV*3017A**	23,400	TDR&TXV	15.50		12.50	23,600	3.72	14,400	2.64	8.3	58CV(A,X)090 – 16	
	CNPV*3017A**	23,200	TDR&TXV	15.50		12.50	23,600	3.70	14,400	2.62	8.3	58MVB060 – 14	
	CNPV*3017A**	23,400	TXV		13.50	11.20	24,000	3.60	15,300	2.52	8.2		
	CSPH*2412A**	23,200	TDR&TXV	15.00		12.50	24,000	3.72	14,500	2.60	8.3	58CV(A,X)070 – 12	
	CSPH*2412A**	23,200	TDR&TXV	15.00		12.50	24,000	3.76	14,500	2.62	8.4	58CV(A,X)090 – 16	
	CSPH*2412A**	23,200	TDR&TXV	15.00		12.50	24,000	3.74	14,500	2.60	8.3	58CV(A,X)110 – 20	
	CSPH*2412A**	23,200	TDR&TXV	15.00		12.50	24,000	3.76	14,500	2.62	8.4	58CV(A,X)135 – 22	
	CSPH*2412A**	23,200	TDR&TXV	15.00		12.50	24,000	3.76	14,500	2.62	8.4	58CV(A,X)155 – 22	
	CSPH*2412A**	23,200	TDR&TXV	15.00		12.50	24,000	3.74	14,600	2.60	8.3	58MVB040 – 14	
	CSPH*2412A**	23,200	TDR&TXV	15.00		12.50	24,000	3.74	14,500	2.60	8.3	58MVB060 – 14	
	CSPH*2412A**	23,200	TDR&TXV	15.00		12.50	24,000	3.74	14,500	2.60	8.3	58MVB080 – 14	
	CSPH*2412A**	23,400	TDR&TXV	15.00		12.50	24,000	3.76	14,500	2.62	8.4	58MVB100 – 20	
	CSPH*2412A**	23,200	TDR&TXV	15.00		12.50	24,000	3.72	14,500	2.60	8.3	58MVB120 – 20	
	CSPH*2412A**	23,000	TXV		14.00	11.50	24,000	3.60	15,000	2.50	8.3		
	CSPH*3012A**	23,400	TDR&TXV	15.00		12.50	23,600	3.68	14,400	2.60	8.3	58CV(A,X)070 – 12	
	CSPH*3012A**	23,400	TDR&TXV	15.50		12.50	23,600	3.70	14,400	2.62	8.3	58CV(A,X)090 – 16	
	CSPH*3012A**	23,400	TDR&TXV	15.50		12.50	23,600	3.70	14,500	2.62	8.3	58CV(A,X)110 – 20	
	CSPH*3012A**	23,400	TDR&TXV	15.50		12.50	23,600	3.70	14,500	2.62	8.3	58CV(A,X)135 – 22	
	CSPH*3012A**	23,400	TDR&TXV	15.50		12.50	23,600	3.72	14,400	2.62	8.3	58CV(A,X)155 – 22	
	CSPH*3012A**	23,400	TDR&TXV	15.00		12.50	23,600	3.70	14,500	2.62	8.3	58MVB040 – 14	
	CSPH*3012A**	23,400	TDR&TXV	15.50		12.50	23,600	3.68	14,400	2.62	8.3	58MVB060 – 14	
	CSPH*3012A**	23,400	TDR&TXV	15.00		12.50	23,600	3.70	14,500	2.62	8.3	58MVB080 – 14	
	CSPH*3012A**	23,400	TDR&TXV	15.50		12.50	23,600	3.70	14,500	2.62	8.3	58MVB080 – 20	
	CSPH*3012A**	23,400	TDR&TXV	15.50		12.50	23,600	3.70	14,500	2.62	8.3	58MVB100 – 20	
	CSPH*3012A**	23,400	TDR&TXV	15.00		12.50	23,600	3.66	14,400	2.60	8.3	58MVB120 – 20	
	CSPH*3012A**	23,000	TXV		14.00	11.50	24,000	3.52	15,000	2.48	8.3		
	30 – 30	*FX4CN(B,F)036	29,400	TDR&TXV	15.00		12.5	29,800	3.74	17,700	2.54	8.6	
		FE4AN(B,F)003	29,200	TDR&TXV	16.00		13.00	29,000	3.72	17,200	2.54	8.5	
		FE4AN(B,F)005	30,000	TDR&TXV	16.00		13.00	29,400	3.90	17,300	2.64	8.8	
		FE4ANF002	29,000	TDR&TXV	15.50		13.00	29,200	3.70	17,300	2.52	8.5	
		FF1ENP030	28,400	TDR&TXV	14.00		11.50	30,000	3.50	18,000	2.40	8.1	
FF1ENP036		29,000	TDR&TXV	14.00		11.50	30,000	3.56	18,100	2.42	8.3		
FV4BN(B,F)003		29,200	TDR&TXV	16.00		13.00	29,000	3.72	17,200	2.54	8.5		
FV4BN(B,F)005		30,000	TDR&TXV	16.00		13.00	29,400	3.90	17,300	2.64	8.8		
FV4BNF002		29,000	TDR&TXV	15.50		13.00	29,200	3.70	17,300	2.52	8.5		
FX4CNF030		29,000	TDR&TXV	15.00		12.50	29,600	3.70	17,600	2.52	8.5		
FY4ANF030		28,600	TDR&TXV	14.00		11.50	30,000	3.56	18,000	2.40	8.3		
FY4ANF036		28,800	TDR&TXV	14.00		11.50	30,000	3.56	18,200	2.40	8.2		
CAP**3014A**		28,600	TDR&TXV	15.00		12.50	29,000	3.56	17,300	2.48	8.2	58CV(A,X)070 – 12	
CAP**3014A**		28,800	TXV		14.00	11.50	30,000	3.54	18,200	2.42	8.2		
CAP**3017A**		28,800	TDR&TXV	15.50		13.00	29,000	3.60	17,200	2.50	8.3	58CV(A,X)090 – 16	
CAP**3017A**		28,600	TDR&TXV	15.50		12.50	29,000	3.58	17,200	2.48	8.3	58MVB060 – 14	
CAP**3017A**		28,800	TXV		14.00	11.50	30,000	3.54	18,200	2.42	8.2		
CAP**3614A**		28,800	TDR&TXV	15.00		12.50	29,200	3.60	17,300	2.48	8.2	58CV(A,X)070 – 12	
CAP**3614A**		29,000	TXV		14.00	11.50	30,000	3.58	18,200	2.42	8.2		
CAP**3617A**		28,800	TDR&TXV	15.50		13.00	29,000	3.64	17,200	2.52	8.4	58CV(A,X)090 – 16	
CAP**3617A**		28,800	TDR&TXV	15.50		12.50	29,000	3.60	17,200	2.50	8.3	58MVB060 – 14	
CAP**3617A**		29,000	TXV		14.00	11.50	30,000	3.58	18,200	2.42	8.3		
CAP**3621A**		29,000	TDR&TXV	15.50		13.00	29,000	3.66	17,200	2.52	8.4	58CV(A,X)110 – 20	
CAP**3621A**		28,800	TDR&TXV	15.50		13.00	29,000	3.64	17,200	2.50	8.3	58MVB080 – 14	
CAP**3621A**		28,800	TDR&TXV	15.50		13.00	29,000	3.62	17,200	2.50	8.3	58MVB080 – 20	
CAP**3621A**		28,800	TDR&TXV	15.50		13.00	29,000	3.64	17,200	2.52	8.4	58MVB100 – 20	
CAP**3621A**		29,000	TXV		14.00	11.50	30,000	3.58	18,200	2.42	8.2		
CNPF*3618A**		28,800	TXV		14.00	11.50	30,000	3.56	18,200	2.42	8.2		
CNPH*3017A**		28,800	TDR&TXV	15.50		12.50	29,000	3.58	17,300	2.48	8.3	58CV(A,X)070 – 12	
CNPH*3017A**		28,800	TDR&TXV	15.50		13.00	29,000	3.62	17,200	2.50	8.3	58CV(A,X)090 – 16	
CNPH*3017A**		28,800	TDR&TXV	15.50		13.00	29,000	3.62	17,200	2.50	8.3	58CV(A,X)110 – 20	
CNPH*3017A**		28,800	TDR&TXV	15.50		13.00	29,000	3.62	17,200	2.50	8.4	58CV(A,X)135 – 22	
CNPH*3017A**		28,800	TDR&TXV	15.50		13.00	29,000	3.64	17,200	2.52	8.4	58CV(A,X)155 – 22	
CNPH*3017A**		28,600	TDR&TXV	15.50		12.50	29,000	3.58	17,300	2.48	8.3	58MVB040 – 14	
CNPH*3017A**		28,800	TDR&TXV	15.50		12.50	29,000	3.58	17,200	2.48	8.3	58MVB060 – 14	
CNPH*3017A**		28,800	TDR&TXV	15.50		12.50	29,000	3.60	17,300	2.48	8.3	58MVB080 – 14	
CNPH*3017A**		28,800	TDR&TXV	15.50		12.50	29,000	3.60	17,300	2.48	8.3	58MVB080 – 20	

See note on pg. 16

COMBINATION RATINGS (CONT.)

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		
25HCA5	CNPH*3017A**	28,800	TDR&TXV	15.50		12.50	29,000	3.60	17,200	2.50	8.3	58MVB100–20
	CNPH*3017A**	28,800	TDR&TXV	15.50		13.00	29,000	3.60	17,200	2.50	8.3	58MVB120–20
	CNPH*3017A**	28,800	TXV		14.00	11.50	30,000	3.56	18,200	2.42	8.2	
	CNPH*3617A**	28,800	TDR&TXV	15.50		12.50	29,000	3.58	17,300	2.48	8.3	58CV(A,X)070–12
	CNPH*3617A**	28,800	TDR&TXV	15.50		13.00	29,000	3.62	17,200	2.50	8.3	58CV(A,X)090–16
	CNPH*3617A**	28,800	TDR&TXV	15.50		13.00	29,000	3.62	17,200	2.50	8.3	58CV(A,X)110–20
	CNPH*3617A**	28,800	TDR&TXV	15.50		13.00	29,000	3.62	17,200	2.50	8.4	58CV(A,X)135–22
	CNPH*3617A**	28,800	TDR&TXV	15.50		13.00	29,000	3.64	17,200	2.52	8.4	58CV(A,X)155–22
	CNPH*3617A**	28,600	TDR&TXV	15.50		12.50	29,000	3.58	17,300	2.48	8.3	58MVB040–14
	CNPH*3617A**	28,800	TDR&TXV	15.50		12.50	29,000	3.58	17,200	2.48	8.3	58MVB060–14
	CNPH*3617A**	28,800	TDR&TXV	15.50		12.50	29,000	3.60	17,300	2.48	8.3	58MVB080–14
	CNPH*3617A**	28,800	TDR&TXV	15.50		12.50	29,000	3.60	17,300	2.48	8.3	58MVB080–20
	CNPH*3617A**	28,800	TDR&TXV	15.50		12.50	29,000	3.60	17,200	2.50	8.3	58MVB100–20
	CNPH*3617A**	28,800	TDR&TXV	15.50		13.00	29,000	3.60	17,200	2.50	8.3	58MVB120–20
	CNPH*3617A**	28,800	TXV		14.00	11.50	30,000	3.56	18,200	2.42	8.2	
	CNPV*3014A**	28,600	TDR&TXV	15.00		12.50	29,200	3.56	17,300	2.46	8.2	58CV(A,X)070–12
	CNPV*3014A**	28,800	TXV		14.00	11.50	30,000	3.56	18,200	2.42	8.2	
	CNPV*3017A**	28,800	TDR&TXV	15.50		13.00	29,000	3.62	17,200	2.50	8.3	58CV(A,X)090–16
	CNPV*3017A**	28,800	TDR&TXV	15.50		12.50	29,000	3.58	17,200	2.48	8.3	58MVB060–14
	CNPV*3017A**	28,800	TXV		14.00	11.50	30,000	3.56	18,200	2.42	8.2	
	CNPV*3617A**	28,800	TDR&TXV	15.50		13.00	29,000	3.62	17,200	2.50	8.3	58CV(A,X)090–16
	CNPV*3617A**	28,800	TDR&TXV	15.50		12.50	29,000	3.58	17,200	2.48	8.3	58MVB060–14
	CNPV*3617A**	28,800	TXV		14.00	11.50	30,000	3.56	18,200	2.42	8.2	
	CNPV*3621A**	28,800	TDR&TXV	15.50		13.00	29,000	3.62	17,200	2.50	8.3	58CV(A,X)110–20
	CNPV*3621A**	28,800	TDR&TXV	15.50		12.50	29,000	3.60	17,300	2.48	8.3	58MVB080–14
	CNPV*3621A**	28,800	TDR&TXV	15.50		12.50	29,000	3.60	17,300	2.48	8.3	58MVB080–20
	CNPV*3621A**	28,800	TDR&TXV	15.50		12.50	29,000	3.60	17,200	2.50	8.3	58MVB100–20
	CNPV*3621A**	28,800	TXV		14.00	11.50	30,000	3.56	18,200	2.42	8.2	
	CSPH*3012A**	28,800	TDR&TXV	15.50		12.50	29,200	3.60	17,300	2.48	8.3	58CV(A,X)070–12
	CSPH*3012A**	28,800	TDR&TXV	15.50		13.00	29,000	3.62	17,200	2.50	8.3	58CV(A,X)090–16
	CSPH*3012A**	29,000	TDR&TXV	15.50		13.00	29,200	3.62	17,300	2.50	8.4	58CV(A,X)110–20
	CSPH*3012A**	29,000	TDR&TXV	15.50		13.00	29,000	3.64	17,300	2.50	8.3	58CV(A,X)135–22
	CSPH*3012A**	29,000	TDR&TXV	15.50		13.00	29,000	3.64	17,200	2.52	8.4	58CV(A,X)155–22
	CSPH*3012A**	28,800	TDR&TXV	15.00		12.50	29,200	3.58	17,300	2.48	8.3	58MVB040–14
	CSPH*3012A**	28,800	TDR&TXV	15.50		12.50	29,000	3.58	17,300	2.48	8.3	58MVB060–14
	CSPH*3012A**	28,800	TDR&TXV	15.00		12.50	29,200	3.60	17,400	2.48	8.3	58MVB080–14
	CSPH*3012A**	28,800	TDR&TXV	15.50		12.50	29,200	3.60	17,300	2.48	8.3	58MVB080–20
	CSPH*3012A**	28,800	TDR&TXV	15.50		12.50	29,200	3.62	17,300	2.50	8.3	58MVB100–20
	CSPH*3012A**	28,800	TDR&TXV	15.50		13.00	29,000	3.60	17,200	2.48	8.3	58MVB120–20
	CSPH*3012A**	29,000	TXV		14.00	11.50	30,000	3.58	18,200	2.42	8.2	
	CSPH*3612A**	29,200	TDR&TXV	15.50		13.00	29,400	3.72	17,400	2.54	8.4	58CV(A,X)070–12
	CSPH*3612A**	29,400	TDR&TXV	16.00		13.00	29,200	3.74	17,300	2.56	8.4	58CV(A,X)090–16
	CSPH*3612A**	29,400	TDR&TXV	16.00		13.00	29,400	3.76	17,300	2.56	8.4	58CV(A,X)110–20
	CSPH*3612A**	29,400	TDR&TXV	16.00		13.00	29,200	3.76	17,300	2.56	8.4	58CV(A,X)135–22
	CSPH*3612A**	29,400	TDR&TXV	16.00		13.00	29,200	3.76	17,300	2.56	8.4	58CV(A,X)155–22
	CSPH*3612A**	29,200	TDR&TXV	15.50		13.00	29,400	3.70	17,400	2.52	8.3	58MVB040–14
	CSPH*3612A**	29,200	TDR&TXV	15.50		13.00	29,200	3.72	17,300	2.54	8.4	58MVB060–14
	CSPH*3612A**	29,400	TDR&TXV	15.50		13.00	29,400	3.72	17,400	2.54	8.3	58MVB080–14
	CSPH*3612A**	29,400	TDR&TXV	15.50		13.00	29,400	3.72	17,400	2.54	8.4	58MVB080–20
	CSPH*3612A**	29,400	TDR&TXV	15.50		13.00	29,400	3.74	17,300	2.54	8.4	58MVB100–20
	CSPH*3612A**	29,200	TDR&TXV	15.50		13.00	29,200	3.72	17,300	2.54	8.4	58MVB120–20
	CSPH*3612A**	29,400	TXV		14.50	11.70	30,000	3.68	18,300	2.46	8.3	
	*FX4CN(B,F)042	35,600	TDR&TXV	15.00		13.00	36,000	3.84	21,400	2.62	8.6	
	FY4ANF036	34,400	TDR&TXV	13.50		11.20	36,000	3.54	22,000	2.44	8.0	
	FY4ANF042	35,000	TDR&TXV	14.00		11.50	36,000	3.64	22,200	2.48	8.2	
	FX4CN(B,F)036	35,000	TDR&TXV	15.00		12.50	35,800	3.72	21,400	2.58	8.2	
	FE4ANF002	34,200	TDR&TXV	15.00		12.50	35,400	3.64	21,000	2.54	8.2	
	FE4AN(B,F)003	34,600	TDR&TXV	15.50		13.00	35,000	3.66	20,800	2.56	8.2	
	FE4AN(B,F)005	35,800	TDR&TXV	16.00		13.00	35,600	3.88	21,000	2.68	8.5	
	†FE4ANB006	36,000	TDR&TXV	16.00		13.50	35,800	4.04	21,000	2.72	9.0	
	FF1ENP036	34,400	TDR&TXV	13.50		11.20	36,000	3.50	22,000	2.44	8.0	
	FV4BNF002	34,200	TDR&TXV	15.00		12.50	35,400	3.64	21,000	2.54	8.0	
	FV4BN(B,F)003	34,600	TDR&TXV	15.50		13.00	35,000	3.66	20,800	2.56	8.2	
	FV4BN(B,F)005	35,800	TDR&TXV	16.00		13.00	35,600	3.88	21,000	2.68	8.5	
	†FV4BNB006	36,000	TDR&TXV	16.00		13.50	35,800	4.04	21,000	2.72	9.0	
	CAP**3614A**	34,000	TXV		13.50	11.20	36,000	3.50	21,600	2.44	8.0	
	CAP**3614A**	34,000	TDR&TXV	14.50		12.00	35,200	3.54	21,000	2.50	8.0	58CV(A,X)070–12
	CAP**3617A**	34,400	TXV		13.50	11.20	36,000	3.56	22,000	2.46	8.2	
	CAP**3617A**	34,200	TDR&TXV	15.00		12.50	35,000	3.56	20,800	2.52	8.2	58MVB060–14
	CAP**3617A**	34,200	TDR&TXV	15.00		12.50	35,000	3.58	20,800	2.52	8.2	58CV(A,X)090–16
	CAP**3621A**	34,400	TXV		13.50	11.20	36,000	3.56	22,000	2.46	8.2	
	CAP**3621A**	34,000	TDR&TXV	14.50		12.50	35,000	3.54	21,000	2.50	8.2	58MVB080–14
	CAP**3621A**	34,200	TDR&TXV	15.00		12.50	35,000	3.58	20,800	2.52	8.2	58MVB080–20
	CAP**3621A**	34,200	TDR&TXV	15.00		12.50	35,000	3.58	20,800	2.52	8.2	58MVB100–20
	CAP**3621A**	34,400	TDR&TXV	15.00		12.50	35,000	3.62	20,800	2.54	8.2	58CV(A,X)110–20

See note on pg. 16

COMBINATION RATINGS (CONT.)

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	CAP**4221A**	34,600	TXV		14.00	11.50	36,000	3.60	22,000	2.48	8.2	
	CAP**4221A**	34,200	TDR&TXV	15.00		12.50	35,200	3.58	21,000	2.52	8.2	58MVB080–14
	CAP**4221A**	34,400	TDR&TXV	15.00		12.50	35,200	3.62	21,000	2.54	8.2	58MVB080–20
	CAP**4221A**	34,400	TDR&TXV	15.00		12.50	35,200	3.64	21,000	2.54	8.2	58MVB100–20
	CAP**4221A**	34,600	TDR&TXV	15.00		12.50	35,200	3.66	21,000	2.56	8.2	58CV(A,X)110–20
	CAP**4224A**	34,600	TXV		14.00	11.50	36,000	3.60	22,000	2.48	8.2	
	CAP**4224A**	34,400	TDR&TXV	15.00		12.50	35,200	3.60	21,000	2.52	8.2	58MVB040–14
	CAP**4224A**	34,400	TDR&TXV	15.00		12.50	35,000	3.64	20,800	2.56	8.2	58MVB120–20
	CAP**4224A**	34,600	TDR&TXV	15.50		13.00	35,000	3.68	20,800	2.58	8.2	58CV(A,X)135–22
	CAP**4224A**	34,600	TDR&TXV	15.50		13.00	35,000	3.70	20,800	2.60	8.2	58CV(A,X)155–22
	CNPV*3617A**	34,400	TXV		13.50	11.20	36,000	3.54	22,000	2.46	8.2	
	CNPV*3617A**	34,000	TDR&TXV	15.00		12.50	35,000	3.54	21,000	2.50	8.2	58MVB060–14
	CNPV*3617A**	34,200	TDR&TXV	15.00		12.50	35,000	3.56	20,800	2.52	8.2	58CV(A,X)090–16
	CNPV*3621A**	34,400	TXV		13.50	11.20	36,000	3.54	22,000	2.46	8.2	
	CNPV*3621A**	34,000	TDR&TXV	14.50		12.00	35,200	3.50	21,000	2.48	8.0	58MVB080–14
	CNPV*3621A**	34,000	TDR&TXV	14.50		12.50	35,000	3.54	21,000	2.50	8.2	58MVB080–20
	CNPV*3621A**	34,200	TDR&TXV	15.00		12.50	35,000	3.56	21,000	2.50	8.2	58MVB100–20
	CNPV*3621A**	34,200	TDR&TXV	15.00		12.50	35,000	3.58	21,000	2.52	8.2	58CV(A,X)110–20
	CNPV*4221A**	34,800	TXV		14.00	11.50	36,000	3.62	22,000	2.48	8.2	
	CNPV*4221A**	34,400	TDR&TXV	15.00		12.50	35,200	3.64	21,000	2.54	8.2	58MVB080–14
	CNPV*4221A**	34,600	TDR&TXV	15.00		12.50	35,200	3.66	20,800	2.56	8.2	58MVB080–20
	CNPV*4221A**	34,600	TDR&TXV	15.50		13.00	35,200	3.68	20,800	2.58	8.2	58MVB100–20
	CNPV*4221A**	34,800	TDR&TXV	15.50		13.00	35,000	3.72	20,800	2.60	8.2	58CV(A,X)110–20
	CNPH*3617A**	34,400	TXV		13.50	11.20	36,000	3.54	22,000	2.46	8.2	
	CNPH*3617A**	34,000	TDR&TXV	14.50		12.00	35,200	3.50	21,000	2.48	8.0	58MVB040–14
	CNPH*3617A**	34,000	TDR&TXV	15.00		12.50	35,000	3.54	21,000	2.50	8.2	58MVB060–14
	CNPH*3617A**	34,000	TDR&TXV	14.50		12.00	35,200	3.50	21,000	2.48	8.0	58MVB080–14
	CNPH*3617A**	34,000	TDR&TXV	14.50		12.50	35,000	3.54	21,000	2.50	8.2	58MVB080–20
	CNPH*3617A**	34,200	TDR&TXV	15.00		12.50	35,000	3.54	21,000	2.50	8.2	58MVB100–20
	CNPH*3617A**	34,000	TDR&TXV	15.00		12.50	35,000	3.54	20,800	2.50	8.2	58MVB120–20
	CNPH*3617A**	34,000	TDR&TXV	14.50		12.00	35,200	3.52	21,000	2.48	8.0	58CV(A,X)070–12
	CNPH*3617A**	34,200	TDR&TXV	15.00		12.50	35,000	3.56	20,800	2.52	8.2	58CV(A,X)090–16
	CNPH*3617A**	34,200	TDR&TXV	15.00		12.50	35,000	3.56	21,000	2.52	8.2	58CV(A,X)110–20
	CNPH*3617A**	34,200	TDR&TXV	15.00		12.50	35,000	3.56	20,800	2.52	8.2	58CV(A,X)135–22
	CNPH*3617A**	34,200	TDR&TXV	15.00		12.50	35,000	3.58	20,800	2.54	8.2	58CV(A,X)155–22
	CNPH*4221A**	34,800	TXV		14.00	11.50	36,000	3.62	22,000	2.48	8.2	
	CNPH*4221A**	34,600	TDR&TXV	15.00		12.50	35,200	3.64	21,000	2.56	8.2	58MVB040–14
	CNPH*4221A**	34,600	TDR&TXV	15.50		13.00	35,000	3.66	20,800	2.58	8.2	58MVB060–14
	CNPH*4221A**	34,400	TDR&TXV	15.00		12.50	35,200	3.64	21,000	2.54	8.2	58MVB080–14
	CNPH*4221A**	34,600	TDR&TXV	15.00		12.50	35,200	3.66	20,800	2.56	8.2	58MVB080–20
	CNPH*4221A**	34,600	TDR&TXV	15.50		13.00	35,200	3.68	20,800	2.58	8.2	58MVB100–20
	CNPH*4221A**	34,600	TDR&TXV	15.50		13.00	35,000	3.68	20,800	2.58	8.2	58MVB120–20
	CNPH*4221A**	34,600	TDR&TXV	15.00		12.50	35,200	3.64	21,000	2.56	8.2	58CV(A,X)070–12
	CNPH*4221A**	34,600	TDR&TXV	15.50		13.00	35,000	3.70	20,800	2.58	8.2	58CV(A,X)090–16
	CNPH*4221A**	34,800	TDR&TXV	15.50		13.00	35,000	3.72	20,800	2.60	8.2	58CV(A,X)110–20
	CNPH*4221A**	34,800	TDR&TXV	15.50		13.00	35,000	3.72	20,800	2.60	8.2	58CV(A,X)135–22
	CNPH*4221A**	34,800	TDR&TXV	15.50		13.00	35,000	3.74	20,600	2.62	8.2	58CV(A,X)155–22
	CNPF*3618A**	34,400	TXV		13.50	11.20	36,000	3.54	22,000	2.46	8.2	
	CSPH*3612A**	35,200	TXV		14.00	12.00	36,000	3.70	22,000	2.52	8.2	
	CSPH*3612A**	34,800	TDR&TXV	15.00		12.50	35,600	3.66	21,200	2.54	8.2	58MVB040–14
	CSPH*3612A**	35,000	TDR&TXV	15.00		12.50	35,400	3.70	21,000	2.58	8.2	58MVB060–14
	CSPH*3612A**	34,800	TDR&TXV	15.00		12.50	35,600	3.64	21,200	2.54	8.2	58MVB080–14
	CSPH*3612A**	35,000	TDR&TXV	15.00		12.50	35,400	3.70	21,000	2.56	8.2	58MVB080–20
	CSPH*3612A**	35,000	TDR&TXV	15.00		12.50	35,400	3.70	21,000	2.58	8.2	58MVB100–20
	CSPH*3612A**	35,000	TDR&TXV	15.50		13.00	35,400	3.70	21,000	2.58	8.2	58MVB120–20
	CSPH*3612A**	34,800	TDR&TXV	15.00		12.50	35,400	3.68	21,200	2.56	8.2	58CV(A,X)070–12
	CSPH*3612A**	35,000	TDR&TXV	15.50		13.00	35,400	3.72	21,000	2.58	8.2	58CV(A,X)090–16
	CSPH*3612A**	35,000	TDR&TXV	15.50		13.00	35,400	3.74	21,000	2.58	8.2	58CV(A,X)110–20
	CSPH*3612A**	35,000	TDR&TXV	15.50		13.00	35,400	3.74	21,000	2.60	8.2	58CV(A,X)135–22
	CSPH*3612A**	35,200	TDR&TXV	15.50		13.00	35,400	3.76	21,000	2.62	8.2	58CV(A,X)155–22
	CSPH*4212A**	35,400	TXV		14.00	12.00	36,000	3.74	22,200	2.54	8.2	
	CSPH*4212A**	35,000	TDR&TXV	15.00		12.50	35,600	3.70	21,200	2.56	8.2	58MVB040–14
	CSPH*4212A**	35,200	TDR&TXV	15.50		13.00	35,400	3.74	21,000	2.60	8.2	58MVB060–14
	CSPH*4212A**	35,000	TDR&TXV	15.00		12.50	35,600	3.70	21,200	2.56	8.2	58MVB080–14
	CSPH*4212A**	35,200	TDR&TXV	15.50		13.00	35,600	3.74	21,200	2.58	8.2	58MVB080–20
	CSPH*4212A**	35,200	TDR&TXV	15.50		13.00	35,600	3.76	21,200	2.60	8.2	58MVB100–20
	CSPH*4212A**	35,200	TDR&TXV	15.50		13.00	35,400	3.74	21,000	2.60	8.2	58MVB120–20
	CSPH*4212A**	35,000	TDR&TXV	15.00		12.50	35,600	3.72	21,200	2.58	8.2	58CV(A,X)070–12
	CSPH*4212A**	35,200	TDR&TXV	15.50		13.00	35,400	3.76	21,000	2.60	8.2	58CV(A,X)090–16
	CSPH*4212A**	35,200	TDR&TXV	15.50		13.00	35,600	3.78	21,000	2.62	8.2	58CV(A,X)110–20
	CSPH*4212A**	35,200	TDR&TXV	15.50		13.00	35,400	3.78	21,000	2.62	8.2	58CV(A,X)135–22
	CSPH*4212A**	35,400	TDR&TXV	15.50		13.00	35,400	3.82	21,000	2.64	8.2	58CV(A,X)155–22
*†FX4CN(B,F)048	42,000	TDR&TXV	15.00		13.00	42,000	3.86	26,200	2.70	9.0		
FE4AN(B,F)003	41,500	TDR&TXV	14.50		12.50	41,500	3.54	25,400	2.58	8.1		
FE4AN(B,F)005	42,000	TDR&TXV	15.50		13.00	42,000	3.78	25,600	2.68	8.5		
FE4ANB006	42,000	TDR&TXV	16.00		13.50	42,000	3.88	25,600	2.74	8.7		
FV4BN(B,F)003	41,500	TDR&TXV	14.50		12.50	41,500	3.54	25,400	2.58	8.1		

See note on pg. 16

COMBINATION RATINGS (CONT.)

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		
42 – 30	FV4BN(B,F)005	42,000	TDR&TXV	15.50		13.00	42,000	3.78	25,600	2.68	8.5	
	FV4BNB006	42,000	TDR&TXV	16.00		13.50	42,000	3.88	25,600	2.74	8.7	
	FX4CN(B,F)042	42,000	TDR&TXV	14.50		12.50	42,000	3.72	26,200	2.62	8.4	
	FY4ANF042	42,000	TDR&TXV	13.50		11.20	42,000	3.56	27,000	2.52	8.0	
	FY4ANF048	42,000	TDR&TXV	14.00		11.20	42,000	3.66	27,000	2.56	8.2	
	CAP**4221A**	41,500	TDR&TXV	14.50		12.50	41,500	3.56	25,400	2.58	8.1	58CV(A,X)110 – 20
	CAP**4221A**	41,000	TDR&TXV	14.00		12.00	41,500	3.48	25,600	2.54	8.0	58MVB080 – 14
	CAP**4221A**	41,000	TDR&TXV	14.00		12.00	41,500	3.52	25,600	2.56	8.0	58MVB080 – 20
	CAP**4221A**	41,500	TDR&TXV	14.50		12.00	41,500	3.54	25,600	2.56	8.0	58MVB100 – 20
	CAP**4221A**	41,500	TXV		13.50	11.20	42,000	3.54	26,600	2.52	8.0	
	CAP**4224A**	41,500	TDR&TXV	15.00		12.50	41,500	3.58	25,400	2.60	8.2	58CV(A,X)135 – 22
	CAP**4224A**	41,500	TDR&TXV	15.00		12.50	41,500	3.58	25,200	2.60	8.2	58CV(A,X)155 – 22
	CAP**4224A**	41,000	TDR&TXV	14.00		12.00	41,500	3.50	25,600	2.54	8.0	58MVB040 – 14
	CAP**4224A**	41,500	TDR&TXV	14.50		12.00	41,500	3.54	25,400	2.56	8.0	58MVB120 – 20
	CAP**4224A**	41,500	TXV		13.50	11.20	42,000	3.54	26,600	2.52	8.0	
	CAP**4817A**	42,000	TDR&TXV	15.00		12.50	42,000	3.70	25,800	2.64	8.3	58CV(A,X)090 – 16
	CAP**4817A**	42,000	TDR&TXV	14.50		12.50	42,000	3.66	26,000	2.62	8.3	58MVB060 – 14
	CAP**4817A**	42,000	TXV		14.00	11.50	42,000	3.72	27,000	2.60	8.3	
	CAP**4821A**	42,000	TDR&TXV	15.00		12.50	42,000	3.68	25,600	2.62	8.3	58CV(A,X)110 – 20
	CAP**4821A**	42,000	TDR&TXV	14.50		12.00	42,000	3.58	25,800	2.58	8.2	58MVB080 – 14
	CAP**4821A**	42,000	TDR&TXV	14.50		12.50	42,000	3.62	25,800	2.60	8.2	58MVB080 – 20
	CAP**4821A**	42,000	TDR&TXV	14.50		12.50	42,000	3.64	25,800	2.62	8.3	58MVB100 – 20
	CAP**4821A**	42,000	TXV		14.00	11.50	42,000	3.66	27,000	2.58	8.2	
	CAP**4824A**	42,000	TDR&TXV	15.00		12.50	42,000	3.70	25,600	2.64	8.4	58CV(A,X)135 – 22
	CAP**4824A**	42,000	TDR&TXV	15.00		12.50	41,500	3.70	25,600	2.64	8.3	58CV(A,X)155 – 22
	CAP**4824A**	42,000	TDR&TXV	14.50		12.00	42,000	3.60	25,800	2.58	8.2	58MVB040 – 14
	CAP**4824A**	42,000	TDR&TXV	15.00		12.50	42,000	3.64	25,600	2.62	8.2	58MVB120 – 20
	CAP**4824A**	42,000	TXV		14.00	11.50	42,000	3.66	27,000	2.58	8.2	
	CNPF*4818A**	42,000	TXV		13.50	11.20	42,000	3.62	26,800	2.56	8.0	
	CNPH*4221A**	41,500	TDR&TXV	14.50		12.00	41,500	3.54	25,600	2.56	8.0	58CV(A,X)070 – 12
	CNPH*4221A**	41,500	TDR&TXV	15.00		12.50	41,500	3.58	25,400	2.60	8.2	58CV(A,X)090 – 16
	CNPH*4221A**	41,500	TDR&TXV	15.00		12.50	41,500	3.62	25,400	2.62	8.2	58CV(A,X)110 – 20
	CNPH*4221A**	42,000	TDR&TXV	15.00		12.50	41,000	3.64	25,200	2.62	8.2	58CV(A,X)135 – 22
	CNPH*4221A**	41,500	TDR&TXV	15.00		12.50	41,000	3.62	25,200	2.62	8.2	58CV(A,X)155 – 22
	CNPH*4221A**	41,500	TDR&TXV	14.50		12.00	41,500	3.54	25,400	2.56	8.0	58MVB040 – 14
	CNPH*4221A**	41,500	TDR&TXV	14.50		12.50	41,500	3.56	25,400	2.58	8.0	58MVB060 – 14
	CNPH*4221A**	41,500	TDR&TXV	14.50		12.00	41,500	3.52	25,600	2.56	8.0	58MVB080 – 14
	CNPH*4221A**	41,500	TDR&TXV	14.50		12.50	41,500	3.56	25,600	2.58	8.0	58MVB080 – 20
	CNPH*4221A**	41,500	TDR&TXV	15.00		12.50	41,500	3.58	25,400	2.60	8.2	58MVB100 – 20
	CNPH*4221A**	41,500	TDR&TXV	15.00		12.50	41,500	3.58	25,400	2.60	8.2	58MVB120 – 20
	CNPH*4221A**	41,500	TXV		13.50	11.20	42,000	3.56	26,600	2.52	8.0	
	CNPH*4821A**	42,000	TDR&TXV	14.50		12.00	42,000	3.62	25,800	2.58	8.2	58CV(A,X)070 – 12
	CNPH*4821A**	42,000	TDR&TXV	15.00		12.50	42,000	3.66	25,600	2.62	8.3	58CV(A,X)090 – 16
	CNPH*4821A**	42,000	TDR&TXV	15.00		12.50	42,000	3.68	25,600	2.64	8.3	58CV(A,X)110 – 20
	CNPH*4821A**	42,000	TDR&TXV	15.00		13.00	42,000	3.70	25,600	2.66	8.4	58CV(A,X)135 – 22
	CNPH*4821A**	42,000	TDR&TXV	15.00		13.00	41,500	3.70	25,600	2.66	8.4	58CV(A,X)155 – 22
	CNPH*4821A**	42,000	TDR&TXV	14.50		12.50	42,000	3.60	25,800	2.58	8.2	58MVB040 – 14
	CNPH*4821A**	42,000	TDR&TXV	14.50		12.50	42,000	3.64	25,800	2.60	8.2	58MVB060 – 14
	CNPH*4821A**	42,000	TDR&TXV	14.50		12.00	42,000	3.60	25,800	2.58	8.2	58MVB080 – 14
	CNPH*4821A**	42,000	TDR&TXV	14.50		12.50	42,000	3.64	25,800	2.60	8.2	58MVB080 – 20
	CNPH*4821A**	42,000	TDR&TXV	15.00		12.50	42,000	3.66	25,800	2.62	8.3	58MVB100 – 20
	CNPH*4821A**	42,000	TDR&TXV	15.00		12.50	42,000	3.64	25,600	2.62	8.3	58MVB120 – 20
	CNPH*4821A**	42,000	TXV		14.00	11.50	42,000	3.66	26,800	2.58	8.2	
	CNPV*4221A**	41,500	TDR&TXV	15.00		12.50	41,500	3.62	25,400	2.62	8.2	58CV(A,X)110 – 20
	CNPV*4221A**	41,500	TDR&TXV	14.50		12.00	41,500	3.52	25,600	2.56	8.0	58MVB080 – 14
	CNPV*4221A**	41,500	TDR&TXV	14.50		12.50	41,500	3.56	25,600	2.58	8.1	58MVB080 – 20
	CNPV*4221A**	41,500	TDR&TXV	15.00		12.50	41,500	3.58	25,400	2.60	8.2	58MVB100 – 20
	CNPV*4221A**	41,500	TXV		13.50	11.20	42,000	3.56	26,600	2.52	8.0	
	CNPV*4821A**	42,000	TDR&TXV	15.00		12.50	42,000	3.68	25,600	2.64	8.3	58CV(A,X)110 – 20
	CNPV*4821A**	42,000	TDR&TXV	14.50		12.00	42,000	3.60	25,800	2.58	8.2	58MVB080 – 14
	CNPV*4821A**	42,000	TDR&TXV	14.50		12.50	42,000	3.64	25,800	2.60	8.2	58MVB080 – 20
	CNPV*4821A**	42,000	TDR&TXV	15.00		12.50	42,000	3.66	25,800	2.62	8.3	58MVB100 – 20
	CNPV*4821A**	42,000	TXV		14.00	11.50	42,000	3.66	26,800	2.58	8.2	
CNPV*4824A**	42,000	TDR&TXV	15.50		13.00	42,000	3.70	25,600	2.66	8.3	58CV(A,X)135 – 22	
CNPV*4824A**	42,000	TDR&TXV	15.00		13.00	41,500	3.70	25,600	2.66	8.3	58CV(A,X)155 – 22	
CNPV*4824A**	42,000	TDR&TXV	14.50		12.50	42,000	3.60	25,800	2.58	8.2	58MVB040 – 14	
CNPV*4824A**	42,000	TDR&TXV	15.00		12.50	42,000	3.64	25,600	2.62	8.3	58MVB120 – 20	
CNPV*4824A**	42,000	TXV		14.00	11.50	42,000	3.66	26,800	2.58	8.2		
CSPH*4212A**	42,000	TDR&TXV	14.50		12.00	42,000	3.60	26,000	2.58	8.0	58CV(A,X)070 – 12	
CSPH*4212A**	42,000	TDR&TXV	15.00		12.50	42,000	3.66	25,800	2.62	8.2	58CV(A,X)090 – 16	
CSPH*4212A**	42,000	TDR&TXV	15.00		12.50	42,000	3.68	25,800	2.62	8.2	58CV(A,X)110 – 20	
CSPH*4212A**	42,000	TDR&TXV	15.00		12.50	42,000	3.70	25,600	2.64	8.2	58CV(A,X)135 – 22	
CSPH*4212A**	42,000	TDR&TXV	15.00		12.50	42,000	3.70	25,600	2.64	8.2	58CV(A,X)155 – 22	
CSPH*4212A**	42,000	TDR&TXV	14.50		12.00	42,000	3.60	25,800	2.58	8.2	58MVB040 – 14	

See note on pg. 16

COMBINATION RATINGS (CONT.)

Unit Size – Series	Indoor Model	Cooling Capacity	ARI Standard Ratings									Furnace Model
			Cooling				Heating					
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp		Low Temp		HSPF	
E Capacity	E COP	H Capacity					H COP					
42–30	CSPH*4212A**	42,000	TDR&TXV	14.50		12.50	42,000	3.64	25,800	2.60	8.2	58MVB060–14
	CSPH*4212A**	42,000	TDR&TXV	14.50		12.00	42,000	3.58	26,000	2.58	8.2	58MVB080–14
	CSPH*4212A**	42,000	TDR&TXV	14.50		12.50	42,000	3.64	25,800	2.60	8.2	58MVB080–20
	CSPH*4212A**	42,000	TDR&TXV	15.00		12.50	42,000	3.64	25,800	2.62	8.2	58MVB100–20
	CSPH*4212A**	42,000	TDR&TXV	15.00		12.50	42,000	3.64	25,800	2.62	8.2	58MVB120–20
	CSPH*4212A**	42,000	TXV		14.00	11.50	42,000	3.68	27,000	2.58	8.0	
	CSPH*4812A**	42,000	TDR&TXV	14.50		12.00	42,000	3.62	26,000	2.60	8.2	58CV(A,X)070–12
	CSPH*4812A**	42,000	TDR&TXV	15.00		12.50	42,000	3.68	25,800	2.64	8.2	58CV(A,X)090–16
	CSPH*4812A**	42,000	TDR&TXV	15.00		12.50	42,000	3.70	25,800	2.64	8.3	58CV(A,X)110–20
	CSPH*4812A**	42,000	TDR&TXV	15.00		13.00	42,000	3.72	25,600	2.66	8.4	58CV(A,X)135–22
	CSPH*4812A**	42,000	TDR&TXV	15.50		13.00	42,000	3.72	25,600	2.66	8.4	58CV(A,X)155–22
	CSPH*4812A**	42,000	TDR&TXV	14.50		12.50	42,000	3.62	26,000	2.60	8.2	58MVB040–14
	CSPH*4812A**	42,000	TDR&TXV	15.00		12.50	42,000	3.66	25,800	2.62	8.3	58MVB060–14
	CSPH*4812A**	42,000	TDR&TXV	14.50		12.00	42,000	3.62	26,000	2.58	8.2	58MVB080–14
	CSPH*4812A**	42,000	TDR&TXV	14.50		12.50	42,000	3.66	26,000	2.62	8.3	58MVB080–20
	CSPH*4812A**	42,000	TDR&TXV	15.00		12.50	42,000	3.68	25,800	2.62	8.3	58MVB100–20
	CSPH*4812A**	42,000	TDR&TXV	15.00		12.50	42,000	3.66	25,800	2.62	8.3	58MVB120–20
	CSPH*4812A**	42,000	TXV		14.00	11.50	42,000	3.70	27,000	2.58	8.2	
	*FX4CN(B,F)060	48,000	TDR&TXV	15.00		12.5	46,000	3.92	29,000	2.64	9.0	
	48–30	FE4AN(B,F)005	47,500	TDR&TXV	15.00		12.50	45,000	3.64	28,600	2.56	8.4
FE4ANB006		48,000	TDR&TXV	15.50		13.00	45,000	3.78	28,600	2.62	8.7	
FV4BN(B,F)005		47,500	TDR&TXV	15.00		12.50	45,000	3.64	28,600	2.56	8.4	
FV4BNB006		48,000	TDR&TXV	15.50		13.00	45,000	3.78	28,600	2.62	8.7	
FX4CN(B,F)048		48,000	TDR&TXV	14.50		12.50	46,000	3.72	29,200	2.58	8.5	
FY4ANB060		48,000	TDR&TXV	14.00		11.50	47,000	3.68	30,000	2.50	8.4	
FY4ANF048		47,000	TDR&TXV	13.50		11.20	46,500	3.54	29,800	2.46	8.2	
CAP**4817A**		46,500	TDR&TXV	14.00		12.00	45,500	3.56	28,800	2.50	8.2	58CV(A,X)090–16
CAP**4817A**		46,500	TXV		13.50	11.20	46,000	3.54	29,200	2.48	8.2	
CAP**4821A**		46,000	TDR&TXV	14.50		12.00	45,000	3.52	28,600	2.50	8.2	58CV(A,X)110–20
CAP**4821A**		46,000	TDR&TXV	14.00		11.50	45,000	3.48	28,800	2.46	8.2	58MVB080–20
CAP**4821A**		46,000	TDR&TXV	14.00		12.00	45,000	3.50	28,800	2.48	8.2	58MVB100–20
CAP**4821A**		46,500	TXV		13.50	11.20	46,500	3.58	29,600	2.48	8.3	
CAP**4824A**		46,000	TDR&TXV	14.50		12.00	45,000	3.56	28,600	2.52	8.2	58CV(A,X)135–22
CAP**4824A**		46,500	TDR&TXV	14.50		12.00	45,000	3.58	28,400	2.54	8.3	58CV(A,X)155–22
CAP**4824A**		46,000	TDR&TXV	14.00		12.00	45,000	3.50	28,600	2.48	8.2	58MVB120–20
CAP**4824A**		46,500	TXV		13.50	11.20	46,500	3.58	29,600	2.48	8.3	
CAP**6021A**		47,500	TDR&TXV	15.00		12.50	45,000	3.60	28,600	2.54	8.3	58CV(A,X)110–20
CAP**6021A**		47,000	TDR&TXV	14.50		12.00	45,500	3.56	28,800	2.52	8.2	58MVB080–20
CAP**6021A**		47,000	TDR&TXV	14.50		12.00	45,000	3.58	28,800	2.52	8.3	58MVB100–20
CAP**6021A**	48,000	TXV		13.50	11.20	46,500	3.68	29,800	2.52	8.4		
CAP**6024A**	47,500	TDR&TXV	15.00		12.50	45,000	3.62	28,600	2.56	8.3	58CV(A,X)135–22	
CAP**6024A**	47,500	TDR&TXV	15.00		12.50	45,000	3.64	28,600	2.58	8.4	58CV(A,X)155–22	
CAP**6024A**	47,000	TDR&TXV	14.50		12.00	45,000	3.56	28,800	2.52	8.2	58MVB120–20	
CAP**6024A**	48,000	TXV		13.50	11.20	46,500	3.68	29,800	2.52	8.4		
CNPF*4818A**	45,500	TXV			13.50	11.20	45,500	3.42	29,000	2.42	8.0	
CNPH*4821A**	46,000	TDR&TXV	14.50		12.00	45,000	3.52	28,600	2.50	8.2	58CV(A,X)090–16	
CNPH*4821A**	46,000	TDR&TXV	14.50		12.00	45,000	3.54	28,600	2.50	8.2	58CV(A,X)110–20	
CNPH*4821A**	46,500	TDR&TXV	14.50		12.00	45,000	3.56	28,400	2.52	8.2	58CV(A,X)135–22	
CNPH*4821A**	46,500	TDR&TXV	15.00		12.50	45,000	3.58	28,400	2.54	8.3	58CV(A,X)155–22	
CNPH*4821A**	46,000	TDR&TXV	14.00		11.50	45,000	3.50	28,800	2.48	8.2	58MVB080–20	
CNPH*4821A**	46,000	TDR&TXV	14.00		12.00	45,000	3.50	28,800	2.48	8.2	58MVB100–20	
CNPH*4821A**	46,000	TDR&TXV	14.50		12.00	45,000	3.50	28,600	2.48	8.2	58MVB120–20	
CNPH*4821A**	46,500	TXV		13.50	11.20	46,500	3.56	29,600	2.48	8.3		
CNPH*6024A**	47,000	TDR&TXV	14.50		12.00	45,000	3.58	28,800	2.52	8.2	58CV(A,X)090–16	
CNPH*6024A**	47,000	TDR&TXV	15.00		12.50	45,000	3.60	28,600	2.54	8.3	58CV(A,X)110–20	
CNPH*6024A**	47,000	TDR&TXV	15.00		12.50	45,000	3.62	28,600	2.56	8.3	58CV(A,X)135–22	
CNPH*6024A**	47,500	TDR&TXV	15.00		12.50	45,000	3.64	28,400	2.58	8.4	58CV(A,X)155–22	
CNPH*6024A**	47,000	TDR&TXV	14.50		12.00	45,000	3.54	28,800	2.50	8.2	58MVB080–20	
CNPH*6024A**	47,000	TDR&TXV	14.50		12.00	45,000	3.56	28,800	2.52	8.2	58MVB100–20	
CNPH*6024A**	47,000	TDR&TXV	14.50		12.00	45,000	3.56	28,800	2.52	8.2	58MVB120–20	
CNPH*6024A**	47,500	TXV		13.50	11.20	46,500	3.62	29,800	2.50	8.3		
CNPV*4821A**	46,000	TDR&TXV	14.50		12.00	45,000	3.54	28,600	2.50	8.2	58CV(A,X)110–20	
CNPV*4821A**	46,000	TDR&TXV	14.00		11.50	45,000	3.50	28,800	2.48	8.2	58MVB080–20	
CNPV*4821A**	46,000	TDR&TXV	14.00		12.00	45,000	3.50	28,800	2.48	8.2	58MVB100–20	
CNPV*4821A**	46,500	TXV		13.50	11.20	46,500	3.56	29,600	2.48	8.3		
CNPV*4824A**	46,500	TDR&TXV	14.50		12.00	45,000	3.56	28,400	2.52	8.2	58CV(A,X)135–22	
CNPV*4824A**	46,500	TDR&TXV	15.00		12.50	45,000	3.58	28,400	2.54	8.3	58CV(A,X)155–22	
CNPV*4824A**	46,000	TDR&TXV	14.50		12.00	45,000	3.50	28,600	2.48	8.2	58MVB120–20	
CNPV*4824A**	46,500	TXV		13.50	11.20	46,500	3.56	29,600	2.48	8.3		
CNPV*6024A**	47,000	TDR&TXV	15.00		12.50	45,000	3.62	28,600	2.56	8.3	58CV(A,X)135–22	
CNPV*6024A**	47,500	TDR&TXV	15.00		12.50	45,000	3.64	28,400	2.58	8.4	58CV(A,X)155–22	
CNPV*6024A**	47,000	TDR&TXV	14.50		12.00	45,000	3.56	28,800	2.52	8.2	58MVB120–20	
CNPV*6024A**	47,500	TXV		13.50	11.20	46,500	3.62	29,800	2.50	8.3		

See note on pg. 16

COMBINATION RATINGS (CONT.)

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**	46,500	TDR&TXV	14.50		12.00	45,000	3.54	28,800	2.50	8.2	58CV(A,X)090–16
	CSPH*4812A**	46,500	TDR&TXV	14.50		12.00	45,000	3.56	28,800	2.50	8.2	58CV(A,X)110–20
	CSPH*4812A**	46,500	TDR&TXV	14.50		12.00	45,000	3.58	28,600	2.52	8.2	58CV(A,X)135–22
	CSPH*4812A**	47,000	TDR&TXV	15.00		12.50	45,000	3.62	28,600	2.54	8.2	58CV(A,X)155–22
	CSPH*4812A**	46,500	TDR&TXV	14.00		12.00	45,500	3.52	29,000	2.48	8.2	58MVB080–20
	CSPH*4812A**	46,500	TDR&TXV	14.50		12.00	45,500	3.54	28,800	2.50	8.2	58MVB100–20
	CSPH*4812A**	46,500	TDR&TXV	14.50		12.00	45,000	3.54	28,800	2.50	8.2	58MVB120–20
	CSPH*4812A**	47,000	TXV		13.50	11.20	46,500	3.62	29,600	2.50	8.3	
	CSPH*6012A**	47,500	TDR&TXV	14.50		12.00	45,000	3.62	28,800	2.54	8.2	58CV(A,X)090–16
	CSPH*6012A**	47,500	TDR&TXV	15.00		12.50	45,000	3.64	28,800	2.56	8.3	58CV(A,X)110–20
	CSPH*6012A**	47,500	TDR&TXV	15.00		12.50	45,000	3.66	28,600	2.58	8.3	58CV(A,X)135–22
	CSPH*6012A**	47,500	TDR&TXV	15.00		12.50	45,000	3.70	28,600	2.58	8.4	58CV(A,X)155–22
	CSPH*6012A**	47,000	TDR&TXV	14.50		12.00	45,500	3.58	28,800	2.52	8.2	58MVB080–20
	CSPH*6012A**	47,000	TDR&TXV	14.50		12.00	45,500	3.60	28,800	2.54	8.2	58MVB100–20
	CSPH*6012A**	47,000	TDR&TXV	14.50		12.00	45,000	3.60	28,800	2.54	8.2	58MVB120–20
	CSPH*6012A**	48,000	TXV		13.50	11.20	46,500	3.68	29,800	2.52	8.3	
60–30	*FX4CN(B,F)060	57,500	TDR&TXV	15.00		12.00	57,000	3.82	35,200	2.68	8.6	
	FE4ANB006	57,500	TDR&TXV	14.50		12.00	57,000	3.82	35,200	2.68	8.6	
	FV4BNB006	57,500	TDR&TXV	14.50		12.00	57,000	3.82	35,200	2.68	8.6	
	FY4ANB060	57,000	TDR&TXV	13.50		11.20	58,000	3.64	36,200	2.56	8.2	
	CAP**6021A**	56,500	TDR&TXV	14.00		11.50	57,000	3.64	35,600	2.58	8.0	58CV(A,X)110–20
	CAP**6021A**	56,500	TXV		13.50	11.20	57,500	3.64	35,800	2.56	8.0	
	CAP**6024A**	56,500	TDR&TXV	14.00		11.50	57,000	3.66	35,400	2.60	8.0	58CV(A,X)135–22
	CAP**6024A**	57,000	TDR&TXV	14.00		12.00	57,000	3.70	35,200	2.62	8.0	58CV(A,X)155–22
	CAP**6024A**	56,500	TXV		13.50	11.20	57,500	3.64	35,800	2.56	8.0	
	CNPH*6024A**	56,500	TDR&TXV	14.00		11.50	57,000	3.62	35,400	2.58	8.0	58CV(A,X)110–20
	CNPH*6024A**	56,500	TDR&TXV	14.00		12.00	57,000	3.66	35,200	2.60	8.0	58CV(A,X)135–22
	CNPH*6024A**	56,500	TDR&TXV	14.00		12.00	57,000	3.68	35,200	2.62	8.0	58CV(A,X)155–22
	CNPH*6024A**	56,500	TXV		13.50	11.20	57,500	3.62	35,800	2.56	8.0	
	CNPV*6024A**	56,500	TDR&TXV	14.00		12.00	57,000	3.66	35,200	2.60	8.0	58CV(A,X)135–22
	CNPV*6024A**	56,500	TDR&TXV	14.00		12.00	57,000	3.68	35,200	2.62	8.0	58CV(A,X)155–22
	CNPV*6024A**	56,500	TXV		13.50	11.20	57,500	3.62	35,800	2.56	8.0	
	CSPH*6012A**	57,000	TDR&TXV	14.00		11.50	57,500	3.68	35,600	2.60	8.0	58CV(A,X)110–20
	CSPH*6012A**	57,000	TDR&TXV	14.00		12.00	57,000	3.72	35,400	2.62	8.0	58CV(A,X)135–22
	CSPH*6012A**	57,000	TDR&TXV	14.50		12.00	57,000	3.74	35,200	2.64	8.0	58CV(A,X)155–22
	CSPH*6012A**	57,000	TXV		13.50	11.20	57,500	3.68	35,800	2.58	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.

† Meet 2006–2007 Tax Credit criteria of 15 SEER/ 13 EER/ 9.0 HSPF

SEER — Seasonal Energy Efficiency Ratio

COP — Coefficient of Performance

TDR — Time–Delay Relay

HSPF — Heating Seasonal Performance Factor

EER — Energy Efficiency Ratio

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**			
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
25HCA518A30 Outdoor Section With FX4CNF018 Indoor Section																			
	72	21.01	10.61	1.11	19.98	10.22	1.27	18.92	9.82	1.46	17.89	9.44	1.66	17.01	9.12	1.87	16.21	8.83	2.02
525	67	19.02	13.00	1.12	18.05	12.60	1.29	17.05	12.18	1.48	16.10	11.79	1.69	15.28	11.46	1.88	14.55	11.16	2.03
	63††	17.59	12.54	1.14	16.67	12.12	1.30	15.72	11.70	1.50	14.82	11.31	1.71	14.06	10.97	1.90	13.37	10.67	2.04
	62	17.23	15.39	1.14	16.34	14.95	1.30	15.42	14.50	1.50	14.57	14.05	1.71	13.90	13.90	1.90	13.35	13.35	2.04
	57	16.65	16.65	1.14	15.93	15.93	1.31	15.20	15.20	1.50	14.50	14.50	1.71	13.90	13.90	1.90	13.35	13.35	2.04
600	72	21.48	11.14	1.12	20.41	10.75	1.28	19.30	10.34	1.47	18.24	9.95	1.67	17.32	9.62	1.87	16.49	9.33	2.03
	67	19.44	13.84	1.13	18.43	13.43	1.29	17.40	13.01	1.49	16.41	12.61	1.69	15.56	12.27	1.89	14.80	11.96	2.04
	63††	17.99	13.33	1.14	17.03	12.90	1.31	16.05	12.48	1.50	15.12	12.07	1.71	14.32	11.73	1.90	13.61	11.42	2.05
	62	17.66	16.49	1.14	16.75	16.02	1.31	15.85	15.85	1.51	15.10	15.10	1.71	14.46	14.46	1.90	13.88	13.88	2.04
675	57	17.37	17.37	1.15	16.62	16.62	1.31	15.84	15.84	1.51	15.10	15.10	1.71	14.46	14.46	1.90	13.88	13.88	2.04
	72	21.85	11.65	1.12	20.74	11.24	1.28	19.60	10.83	1.47	18.50	10.44	1.68	17.55	10.10	1.88	16.71	9.81	2.03
	67	19.78	14.64	1.14	18.74	14.22	1.30	17.67	13.79	1.49	16.65	13.38	1.70	15.78	13.03	1.90	15.00	12.72	2.05
	63††	18.30	14.08	1.15	17.31	13.64	1.32	16.31	13.21	1.51	15.34	12.79	1.72	14.53	12.44	1.91	13.80	12.12	2.06
	62	18.05	17.89	1.15	17.20	17.20	1.32	16.39	16.39	1.51	15.61	15.61	1.71	14.94	14.94	1.91	14.33	14.33	2.05
	57	17.99	17.99	1.15	17.20	17.20	1.32	16.39	16.39	1.51	15.61	15.61	1.71	14.94	14.94	1.91	14.33	14.33	2.05

Cooling Indoor Model	Capacity	Power	Furnace Model
*FX4CNF018	1.00	1.00	
FE4ANF002	1.01	0.99	
FF1ENP018	0.98	1.09	
FF1ENP024	0.99	1.09	
FV4BNF002	1.01	0.99	
FX4CNF024	1.01	1.01	
FY4ANF018	0.98	1.09	
FY4ANF024	0.98	1.10	
CNPF*2418A**	0.99	1.09	
CNPH*2417A**	0.99	1.09	
CNPV*2414A**	0.99	1.09	
CNPV*2417A**	0.99	1.09	
CSPH*2412A**	1.01	1.10	
CAP**2414A**	0.99	0.99	58CV(A.X)070-12
CNPH*2417A**	0.99	0.99	58CV(A.X)070-12
CNPV*2414A**	0.99	0.99	58CV(A.X)070-12
CSPH*2412A**	1.00	1.00	58CV(A.X)070-12
CNPH*2417A**	0.99	0.99	58MB040-14
CAP**2417A**	0.99	0.99	58MB060-14
CNPH*2417A**	0.99	0.99	58MB060-14
CNPV*2417A**	0.99	0.99	58MB060-14
CSPH*2412A**	1.00	1.00	58MB060-14
CNPH*2417A**	0.99	0.99	58MB080-14
CSPH*2412A**	1.00	1.00	58MB080-14

See note on pg. 23

DETAILED COOLING CAPACITIES# (CONT.)

Evaporator Air		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtuHt	Total Sys-tem KW**		Capacity MBtuHt	Total Sys-tem KW**		Capacity MBtuHt	Total Sys-tem KW**		Capacity MBtuHt	Total Sys-tem KW**		Capacity MBtuHt	Total Sys-tem KW**		Capacity MBtuHt	Total Sys-tem KW**	
25HCA524A30 Outdoor Section With Fx4CNF030 Indoor Section																			
700	72	28.26	14.33	1.48	26.88	13.80	1.66	25.41	13.24	1.86	23.89	12.67	2.07	22.26	12.06	2.31	20.50	11.42	2.56
	67	25.86	17.79	1.48	24.59	17.24	1.66	23.25	16.67	1.86	21.84	16.08	2.07	20.34	15.46	2.31	18.75	14.81	2.58
	63††	24.10	17.23	1.48	22.92	16.69	1.66	21.66	16.12	1.86	20.34	15.53	2.07	18.94	14.90	2.31	17.46	14.25	2.59
	62	23.63	21.22	1.48	22.48	20.65	1.66	21.27	20.05	1.85	20.00	19.39	2.07	18.71	18.71	2.31	17.51	17.51	2.59
	57	22.79	22.79	1.48	21.88	21.88	1.66	20.89	20.89	1.85	19.84	19.84	2.07	18.71	18.71	2.31	17.51	17.51	2.59
	72	28.74	14.97	1.52	27.31	14.43	1.69	25.79	13.87	1.89	24.19	13.28	2.11	22.51	12.67	2.34	20.69	12.02	2.59
800	67	26.32	18.87	1.51	25.00	18.31	1.69	23.60	17.73	1.89	22.13	17.13	2.10	20.59	16.50	2.34	18.94	15.83	2.61
	63††	24.55	18.25	1.51	23.31	17.69	1.69	22.01	17.11	1.89	20.64	16.51	2.10	19.18	15.87	2.34	17.66	15.20	2.62
	62	24.12	22.68	1.51	22.93	22.07	1.69	21.71	21.55	1.89	20.53	20.53	2.10	19.33	19.33	2.34	18.04	18.04	2.62
	57	23.68	23.68	1.51	22.70	22.70	1.69	21.65	21.65	1.89	20.53	20.53	2.10	19.33	19.33	2.34	18.04	18.04	2.62
	72	29.09	15.58	1.55	27.61	15.03	1.73	26.04	14.45	1.92	24.41	13.86	2.14	22.68	13.25	2.37	20.81	12.59	2.62
	67	26.65	19.89	1.55	25.29	19.33	1.72	23.85	18.74	1.92	22.34	18.12	2.14	20.76	17.48	2.37	19.06	16.79	2.64
900	63††	24.88	19.21	1.55	23.60	18.65	1.72	22.26	18.06	1.92	20.85	17.44	2.14	19.36	16.78	2.37	17.80	16.09	2.65
	62	24.53	23.98	1.55	23.37	23.37	1.72	22.26	22.26	1.92	21.08	21.08	2.14	19.82	19.82	2.37	18.47	18.47	2.65
	57	24.40	24.40	1.55	23.37	23.37	1.72	22.26	22.26	1.92	21.09	21.09	2.14	19.82	19.82	2.37	18.47	18.47	2.65

Cooling Indoor Model	Capacity	Power	Cooling Indoor Model	Capacity	Power	Furnace Model
*FX4CNF030	1.00	1.00	CNPH*3012A**	0.97	0.97	58CV(A.X)090-16
FE4AN(B,F)003	1.00	0.96	CNPH*2417A**	0.99	0.99	58CV(A.X)090-16
FE4ANF002	0.99	0.99	CNPH*3017A**	0.98	0.98	58CV(A.X)090-16
FF1ENP024	0.97	1.11	CNPH*2412A**	0.99	0.99	58CV(A.X)090-16
FF1ENP030	0.97	1.09	CNPH*2417A**	0.97	1.02	58CV(A.X)110-20
FV4BN(B,F)003	1.00	0.96	CNPH*3017A**	0.99	0.99	58CV(A.X)110-20
FV4BNF002	0.99	0.99	CNPH*2412A**	0.98	0.98	58CV(A.X)110-20
FV4CNF024	0.98	1.02	CNPH*3012A**	0.99	0.99	58CV(A.X)110-20
FY4ANF024	0.97	1.08	CNPH*2417A**	0.97	0.97	58CV(A.X)135-22
FY4ANF030	0.98	1.07	CNPH*3017A**	0.99	0.99	58CV(A.X)135-22
CAP**2414A**	0.97	1.09	CNPH*2412A**	0.98	0.98	58CV(A.X)135-22
CAP**2417A**	0.97	1.09	CNPH*3012A**	0.99	0.99	58CV(A.X)135-22
CAP**3014A**	0.99	1.11	CNPH*2417A**	0.97	0.97	58CV(A.X)155-22
CAP**3017A**	0.99	1.11	CNPH*3017A**	0.99	0.99	58CV(A.X)155-22
CNPF*2418A**	0.97	1.09	CNPH*2412A**	0.98	0.98	58CV(A.X)155-22
CNPH*2417A**	0.97	1.09	CNPH*3012A**	0.99	0.99	58CV(A.X)155-22
CNPH*3017A**	0.99	1.11	CNPH*2417A**	0.97	1.02	58MB040-14
CNPV*2414A**	0.97	1.09	CNPH*3017A**	0.99	0.99	58MB040-14
CNPV*2417A**	0.97	1.09	CNPH*2412A**	0.98	0.98	58MB040-14
CNPV*3014A**	0.99	1.11	CNPH*3012A**	0.99	0.99	58MB040-14
CNPV*3017A**	0.99	1.11	CAP**2417A**	0.97	0.97	58MB060-14
CSPH*2412A**	0.97	1.06	CAP**3017A**	0.98	0.98	58MB060-14
CAP**2414A**	0.97	0.97	CNPH*2417A**	0.97	0.97	58MB060-14
CAP**3014A**	0.98	0.98	CNPH*3017A**	0.98	0.98	58MB060-14
CNPH*2417A**	0.97	1.01	CNPV*2417A**	0.97	0.97	58MB060-14
CNPH*2412A**	0.98	0.98	CNPH*2417A**	0.98	0.98	58MB060-14
CNPH*3014A**	0.98	0.98	CNPH*3012A**	0.99	0.99	58MB060-14
CSPH*2412A**	0.98	0.98	CNPH*2417A**	0.99	0.99	58MB060-14
CSPH*3012A**	0.99	0.99	CNPH*2412A**	0.98	0.98	58MB060-14
CAP**2417A**	0.97	0.97	CNPH*3012A**	0.99	0.99	58MB060-14
CAP**3017A**	0.99	0.99	CNPH*2417A**	0.97	1.02	58MB060-20
CNPH*2417A**	0.97	0.97	CNPH*3017A**	0.99	0.99	58MB060-20
CNPH*3017A**	0.99	0.99	CSPH*2412A**	0.98	0.98	58MB060-20

See note on pg. 23

Cooling Indoor Model	Capacity	Power	Cooling Indoor Model	Capacity	Power	Furnace Model
*FX4CNF030	1.00	1.00	CNPV*2417A**	0.97	0.97	58CV(A.X)090-16
FE4AN(B,F)003	1.00	0.96	CNPH*3017A**	0.99	0.99	58CV(A.X)090-16
FE4ANF002	0.99	0.99	CSPH*2412A**	0.98	0.98	58CV(A.X)090-16
FF1ENP024	0.97	1.11	CSPH*3012A**	0.99	0.99	58CV(A.X)090-16
FF1ENP030	0.97	1.09	CNPH*2417A**	0.97	1.02	58CV(A.X)110-20
FV4BN(B,F)003	1.00	0.96	CNPH*3017A**	0.99	0.99	58CV(A.X)110-20
FV4BNF002	0.99	0.99	CSPH*2412A**	0.98	0.98	58CV(A.X)110-20
FV4CNF024	0.98	1.02	CNPH*3012A**	0.99	0.99	58CV(A.X)110-20
FY4ANF024	0.97	1.08	CNPH*2417A**	0.97	0.97	58CV(A.X)135-22
FY4ANF030	0.98	1.07	CNPH*3017A**	0.99	0.99	58CV(A.X)135-22
CAP**2414A**	0.97	1.09	CSPH*2412A**	0.98	0.98	58CV(A.X)135-22
CAP**2417A**	0.97	1.09	CSPH*3012A**	0.99	0.99	58CV(A.X)135-22
CAP**3014A**	0.99	1.11	CNPH*2417A**	0.97	0.97	58CV(A.X)155-22
CAP**3017A**	0.99	1.11	CNPH*3017A**	0.99	0.99	58CV(A.X)155-22
CNPF*2418A**	0.97	1.09	CSPH*2412A**	0.98	0.98	58CV(A.X)155-22
CNPH*2417A**	0.97	1.09	CNPH*3012A**	0.99	0.99	58CV(A.X)155-22
CNPH*3017A**	0.99	1.11	CNPH*2417A**	0.97	1.02	58MB040-14
CNPV*2414A**	0.97	1.09	CNPH*3017A**	0.99	0.99	58MB040-14
CNPV*2417A**	0.97	1.09	CNPH*2412A**	0.98	0.98	58MB040-14
CNPV*3014A**	0.99	1.11	CNPH*3012A**	0.99	0.99	58MB040-14
CNPV*3017A**	0.99	1.11	CAP**2417A**	0.97	0.97	58MB060-14
CSPH*2412A**	0.97	1.06	CAP**3017A**	0.98	0.98	58MB060-14
CAP**2414A**	0.97	0.97	CNPH*2417A**	0.97	0.97	58MB060-14
CAP**3014A**	0.98	0.98	CNPH*3017A**	0.98	0.98	58MB060-14
CNPH*2417A**	0.97	1.01	CNPV*2417A**	0.97	0.97	58MB060-14
CNPH*2412A**	0.98	0.98	CNPH*2417A**	0.98	0.98	58MB060-14
CNPH*3014A**	0.98	0.98	CNPH*3012A**	0.99	0.99	58MB060-14
CSPH*2412A**	0.98	0.98	CNPH*2417A**	0.99	0.99	58MB060-14
CSPH*3012A**	0.99	0.99	CNPH*2412A**	0.98	0.98	58MB060-14
CAP**2417A**	0.97	0.97	CNPH*3012A**	0.99	0.99	58MB060-14
CAP**3017A**	0.99	0.99	CNPH*2417A**	0.97	1.02	58MB060-20
CNPH*2417A**	0.97	0.97	CNPH*3017A**	0.99	0.99	58MB060-20
CNPH*3017A**	0.99	0.99	CSPH*2412A**	0.98	0.98	58MB060-20

DETAILED COOLING CAPACITIES# (CONT.)

Evaporator Air		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtuHt		Total Sys-tem KW**	Capacity MBtuHt		Total Sys-tem KW**	Capacity MBtuHt		Total Sys-tem KW**	Capacity MBtuHt		Total Sys-tem KW**	Capacity MBtuHt		Total Sys-tem KW**	Capacity MBtuHt		Total Sys-tem KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
25HCA50A30 Outdoor Section With Fx4CNI(B)F036 Indoor Section																			
825	72	34.98	16.93	1.86	33.40	16.33	2.06	31.73	15.72	2.29	29.96	15.07	2.54	28.04	14.38	2.82	25.97	13.64	3.16
	67	31.72	20.85	1.85	30.26	20.24	2.06	28.71	19.60	2.29	27.06	18.94	2.54	25.28	18.23	2.81	23.38	17.47	3.16
	63††	29.40	20.13	1.85	28.01	19.52	2.06	26.55	18.88	2.28	25.00	18.20	2.53	23.33	17.49	2.81	21.54	16.73	3.16
	62	28.80	24.77	1.85	27.45	24.13	2.06	26.04	23.46	2.28	24.55	22.72	2.53	22.96	22.96	2.81	21.52	21.52	3.16
	57	27.69	27.69	1.85	26.61	26.61	2.06	25.48	25.48	2.28	24.27	24.27	2.53	22.95	22.95	2.81	21.53	21.53	3.16
1000	72	35.96	18.06	1.92	34.28	17.45	2.13	32.51	16.82	2.36	30.64	16.15	2.61	28.62	15.45	2.88	26.44	14.70	3.22
	67	32.60	22.72	1.92	31.04	22.09	2.12	29.40	21.44	2.35	27.66	20.75	2.60	25.80	20.02	2.88	23.79	19.24	3.23
	63††	30.22	21.88	1.92	28.74	21.25	2.12	27.20	20.59	2.35	25.56	19.89	2.60	23.80	19.15	2.88	21.93	18.36	3.23
	62	29.69	27.27	1.92	28.30	26.54	2.12	26.89	26.89	2.35	25.56	25.56	2.60	24.13	24.13	2.88	22.58	22.58	3.23
	57	29.28	29.28	1.92	28.11	28.11	2.12	26.88	26.88	2.35	25.56	25.56	2.60	24.13	24.13	2.88	22.58	22.58	3.23
1125	72	36.44	18.80	1.97	34.71	18.19	2.18	32.89	17.55	2.40	30.96	16.88	2.66	28.89	16.17	2.93	26.65	15.40	3.27
	67	33.04	23.97	1.97	31.43	23.34	2.17	29.74	22.67	2.40	27.95	21.96	2.85	26.04	21.22	2.93	23.99	20.40	3.27
	63††	30.62	23.05	1.97	29.10	22.40	2.17	27.51	21.73	2.40	25.83	21.02	2.65	24.03	20.25	2.92	22.12	19.43	3.27
	62	30.21	30.21	1.97	28.96	28.96	2.17	27.67	27.67	2.40	26.29	26.29	2.65	24.79	24.79	2.92	23.17	23.17	3.27
	57	30.19	30.19	1.97	28.97	28.97	2.17	27.67	27.67	2.40	26.29	26.29	2.65	24.79	24.79	2.92	23.17	23.17	3.27

Cooling Indoor Model	Capacity	Power	Furnace Model
CNPV*3621A**	0.98	0.98	58MBVB080-14
CSPH*3012A**	0.98	0.98	58MBVB080-14
CSPH*3612A**	1.00	0.96	58MBVB080-14
CAP**3621A**	0.98	0.94	58MBVB080-20
CNPH*3017A**	0.98	0.98	58MBVB080-20
CNPH*3617A**	0.98	0.98	58MBVB080-20
CNPV*3621A**	0.98	0.98	58MBVB080-20
CSPH*3012A**	0.98	0.98	58MBVB080-20
CSPH*3612A**	1.00	0.96	58MBVB080-20
CAP**3621A**	0.98	0.94	58MBVB100-20
CNPH*3017A**	0.98	0.98	58MBVB100-20
CNPH*3617A**	0.98	0.98	58MBVB100-20
CNPV*3621A**	0.98	0.98	58MBVB100-20
CSPH*3012A**	0.98	0.98	58MBVB100-20
CSPH*3612A**	1.00	0.96	58MBVB100-20
CNPH*3017A**	0.98	0.94	58MBVB120-20
CNPH*3617A**	0.98	0.94	58MBVB120-20
CSPH*3012A**	0.98	0.94	58MBVB120-20
CSPH*3612A**	0.99	0.95	58MBVB120-20

DETAILED COOLING CAPACITIES# (CONT.)

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†	
25HCA536A30 Outdoor Section With Fx4CN(B,F)042 Indoor Section																			
1050	72	42.61	21.63	2.19	40.68	20.88	2.43	38.65	20.10	2.69	36.47	19.28	2.98	34.12	18.40	3.30	31.47	17.42	3.69
	67	38.70	26.77	2.18	36.91	26.00	2.42	35.02	25.19	2.68	33.01	24.35	2.97	30.84	23.44	3.29	28.43	22.45	3.69
	63††	35.87	25.84	2.17	34.19	25.07	2.41	32.42	24.26	2.67	30.52	23.40	2.96	28.48	22.49	3.28	26.23	21.50	3.69
	62	35.17	31.89	2.17	33.53	31.07	2.41	31.81	30.21	2.67	30.00	29.27	2.96	28.15	28.15	3.28	26.34	26.34	3.69
	57	33.95	33.95	2.17	32.65	32.65	2.41	31.26	31.26	2.67	29.77	29.77	2.96	28.15	28.15	3.28	26.34	26.34	3.69
1200	72	43.42	22.62	2.25	41.41	21.86	2.48	39.28	21.06	2.75	37.02	20.22	3.04	34.57	19.33	3.36	31.82	18.33	3.75
	67	39.43	28.41	2.24	37.56	27.62	2.47	35.60	26.81	2.74	33.51	25.94	3.03	31.26	25.02	3.35	28.76	24.00	3.75
	63††	36.56	27.38	2.23	34.80	26.59	2.47	32.95	25.76	2.73	30.99	24.89	3.02	28.88	23.96	3.34	26.56	22.94	3.75
	62	35.91	34.09	2.23	34.24	33.21	2.47	32.48	32.42	2.73	30.85	30.85	3.02	29.14	29.14	3.34	27.22	27.22	3.75
	57	35.29	35.29	2.23	33.90	33.90	2.46	32.44	32.44	2.73	30.86	30.86	3.02	29.14	29.14	3.34	27.22	27.22	3.75
1350	72	44.01	23.54	2.30	41.94	22.77	2.54	39.74	21.97	2.80	37.41	21.12	3.10	34.89	20.21	3.42	32.06	19.20	3.80
	67	39.96	29.97	2.29	38.04	29.18	2.53	36.01	28.34	2.79	33.87	27.46	3.08	31.56	26.51	3.40	29.00	25.46	3.80
	63††	37.07	28.84	2.28	35.26	28.03	2.52	33.35	27.19	2.79	31.33	26.30	3.08	29.17	25.34	3.39	26.79	24.28	3.80
	62	36.56	36.03	2.28	34.95	34.95	2.52	33.41	33.41	2.79	31.75	31.75	3.08	29.95	29.95	3.40	27.93	27.93	3.80
	57	36.41	36.41	2.28	34.95	34.95	2.52	33.41	33.41	2.79	31.75	31.75	3.08	29.95	29.95	3.40	27.93	27.93	3.80

Cooling Indoor Model	Capacity	Power	Furnace Model	Cooling Indoor Model	Capacity	Power	Furnace Model
*Fx4CN(B,F)042	1.00	1.00		CNPV*3621A**	0.96	1.03	58MVB080-14
FE4AN(B,F)003	0.97	0.97		CNPV*4221A**	0.97	1.00	58MVB080-14
FE4AN(B,F)005	1.01	1.01		CSPH*3612A**	0.98	1.02	58MVB080-14
FE4ANB006	1.01	0.97		CSPH*4212A**	0.98	1.02	58MVB080-14
FE4ANF002	0.96	1.00		CAP**3621A**	0.96	1.00	58MVB080-20
FF1ENP036	0.97	1.12		CAP**4221A**	0.97	1.00	58MVB080-20
FV4BN(B,F)003	0.97	0.97		CNP H*3617A**	0.96	0.99	58MVB080-20
FV4BN(B,F)005	1.01	1.01		CNP H*4221A**	0.97	1.01	58MVB080-20
FV4BNB006	1.01	0.97		CNPV*3621A**	0.96	0.99	58MVB080-20
FV4BNF002	0.96	1.00		CNPV*4221A**	0.97	1.01	58MVB080-20
Fx4CN(B,F)036	0.98	1.02		CSPH*3612A**	0.98	1.02	58MVB080-20
FY4ANF036	0.97	1.12		CSPH*4212A**	0.99	0.99	58MVB080-20
FY4ANF042	0.98	1.11		CAP**3621A**	0.96	1.00	58MVB100-20
CAP**3614A**	0.96	1.11		CAP**4221A**	0.97	1.00	58MVB100-20
CAP**3617A**	0.97	1.12		CNP H*3617A**	0.96	1.00	58MVB100-20
CAP**3621A**	0.97	1.12		CNP H*4221A**	0.97	1.00	58MVB100-20
CAP**4221A**	0.97	1.10		CNPV*3621A**	0.96	1.00	58MVB100-20
CAP**4224A**	0.97	1.10		CNPV*4221A**	0.97	1.00	58MVB100-20
CNPF*3618A**	0.97	1.12		CNPV*3621A**	0.96	1.00	58MVB100-20
CNP H*3617A**	0.97	1.12		CNPV*4221A**	0.97	1.00	58MVB100-20
CNP H*4221A**	0.98	1.12		CSPH*3612A**	0.98	1.02	58MVB100-20
CNPV*3617A**	0.97	1.11		CSPH*4212A**	0.99	0.99	58MVB100-20
CNPV*4221A**	0.97	1.12		CAP**4224A**	0.97	1.00	58MVB120-20
CNPV*3621A**	0.97	1.12		CNP H*3617A**	0.96	0.99	58MVB120-20
CNPV*4221A**	0.98	1.12		CNP H*4221A**	0.97	1.00	58MVB120-20
CNPV*3621A**	0.98	1.11		CNPV*3621A**	0.96	0.98	58MVB120-20
CNPV*4221A**	0.99	1.07		CNPV*4221A**	0.98	0.98	58MVB120-20
CSPH*3612A**	0.99	1.08		CSPH*3612A**	0.99	0.99	58MVB120-20
CSPH*4212A**	0.99	1.08		CSPH*4212A**	0.99	0.99	58MVB120-20
CAP**3614A**	0.96	1.03	58CV(A,X)070-12	CAP**4224A**	0.97	1.00	58MVB120-20
CNP H*3617A**	0.96	1.03	58CV(A,X)070-12	CNP H*3617A**	0.96	1.03	58MVB120-20
CNP H*4221A**	0.97	1.01	58CV(A,X)070-12	CNP H*4221A**	0.97	1.01	58MVB120-20
CSPH*3612A**	0.98	1.02	58CV(A,X)070-12	CSPH*3612A**	0.98	1.02	58MVB120-20
CSPH*4212A**	0.98	1.02	58CV(A,X)070-12	CSPH*4212A**	0.99	0.99	58MVB120-20
CAP**3617A**	0.96	1.00	58CV(A,X)090-16	CAP**4221A**	0.96	1.00	58MVB120-20
CNP H*3617A**	0.96	1.00	58CV(A,X)090-16	CNP H*3617A**	0.96	1.00	58MVB120-20
CNP H*4221A**	0.97	0.97	58CV(A,X)090-16	CNP H*4221A**	0.97	0.97	58MVB120-20
CNPV*3617A**	0.97	0.97	58CV(A,X)090-16	CNPV*3617A**	0.97	0.97	58MVB120-20
CNPV*4221A**	0.97	0.97	58CV(A,X)090-16	CNPV*4221A**	0.97	0.97	58MVB120-20
CSPH*3612A**	0.99	1.00	58CV(A,X)090-16	CSPH*3612A**	0.99	1.00	58MVB120-20
CSPH*4212A**	0.99	1.00	58CV(A,X)090-16	CSPH*4212A**	0.99	1.00	58MVB120-20

See note on pg. 23

DETAILED COOLING CAPACITIES# (CONT.)

Evaporator Air		CONDENSER ENTERING AIR TEMPERATURES deg F																							
		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**	Capacity MBtu/h†		Total Sys-tem KW**			
Total	Sens†	Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†				
CFM	EWB	25HC45/42/30 Outdoor Section With FX4CN(B-F)048 Indoor Section																							
1225		72	50.49	9.34	2.39	47.99	8.99	2.75	45.35	8.62	3.12	42.60	8.24	3.50	39.70	7.84	3.90	36.52	7.41	4.30					
	67	46.01	11.56	2.48	43.72	11.20	2.82	41.34	10.83	3.18	38.85	10.44	3.55	36.22	10.04	3.93	33.36	9.61	4.32						
	63††	42.71	11.18	2.54	40.60	10.82	2.87	38.41	10.45	3.22	36.10	10.07	3.58	33.67	9.68	3.95	31.03	9.25	4.32						
	62	41.85	13.76	2.55	39.79	13.39	2.88	37.67	13.01	3.23	35.46	12.60	3.58	33.20	33.20	3.95	31.05	31.05	4.32						
	57	40.26	40.26	2.57	38.64	38.64	2.90	36.95	36.95	3.23	35.14	35.14	3.58	33.20	33.20	3.95	31.05	31.05	4.32						
1400		72	51.41	9.77	2.43	48.78	9.40	2.79	46.03	9.02	3.17	43.16	8.64	3.55	40.14	8.23	3.95	36.85	7.80	4.36					
	67	46.89	12.28	2.52	44.49	11.91	2.87	42.00	11.52	3.23	39.40	11.13	3.60	36.66	10.72	3.99	33.70	10.28	4.38						
	63††	43.57	11.85	2.58	41.35	11.48	2.92	39.05	11.11	3.27	36.64	10.72	3.63	34.11	10.31	4.01	31.37	9.87	4.39						
	62	42.75	14.74	2.59	40.63	14.34	2.93	38.46	38.14	3.28	36.40	36.40	3.63	34.32	34.32	4.00	32.02	32.02	4.38						
	57	41.91	41.91	2.61	40.17	40.17	2.94	38.34	38.34	3.28	36.40	36.40	3.63	34.32	34.32	4.00	32.02	32.02	4.38						
1575		72	52.07	10.16	2.47	49.36	9.80	2.84	46.50	9.41	3.22	43.54	9.02	3.61	40.43	8.61	4.01	37.05	8.17	4.41					
	67	47.53	12.96	2.56	45.05	12.58	2.92	42.47	12.19	3.28	39.79	11.79	3.66	36.97	11.37	4.04	33.93	10.91	4.44						
	63††	44.20	12.49	2.63	41.90	12.12	2.97	39.51	11.73	3.33	37.03	11.33	3.69	34.42	10.91	4.06	31.61	10.45	4.45						
	62	43.52	15.61	2.64	41.43	15.43	2.98	39.48	39.48	3.32	37.42	37.42	3.69	35.22	35.22	4.06	32.79	32.79	4.44						
	57	43.27	43.27	2.64	41.43	41.43	2.98	39.48	39.48	3.32	37.42	37.42	3.68	35.22	35.22	4.06	32.79	32.79	4.44						

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See note on pg. 23

DETAILED COOLING CAPACITIES# (CONT.)

Evaporator Air		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtuHr		Total Sys-tem KW**	Capacity MBtuHr		Total Sys-tem KW**	Capacity MBtuHr		Total Sys-tem KW**	Capacity MBtuHr		Total Sys-tem KW**	Capacity MBtuHr		Total Sys-tem KW**	Capacity MBtuHr		Total Sys-tem KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
25HC45A48A30 Outdoor Section With Fx4CN(B)060 Indoor Section																			
72		57.74	29.30	2.97	54.86	28.18	3.35	51.86	27.02	3.75	48.74	25.84	4.19	45.43	24.61	4.65	41.56	23.19	5.22
67		52.67	36.42	2.99	50.03	35.28	3.36	47.29	34.11	3.76	44.43	32.91	4.19	41.42	31.65	4.65	38.01	30.25	5.24
63††	1400	48.93	35.22	3.00	46.46	34.08	3.37	43.91	32.91	3.76	41.25	31.71	4.19	38.46	30.46	4.64	35.36	29.10	5.25
62		47.93	43.49	3.00	45.53	42.31	3.37	43.06	41.08	3.76	40.51	39.78	4.19	38.03	38.03	4.64	35.50	35.50	5.25
57		46.25	46.25	3.01	44.35	44.35	3.37	42.36	42.36	3.76	40.26	40.26	4.19	38.03	38.03	4.64	35.50	35.50	5.25
72		58.73	30.62	3.05	55.73	29.49	3.43	52.59	28.31	3.83	49.35	27.11	4.27	45.93	25.86	4.73	41.89	24.41	5.30
67		53.63	38.69	3.07	50.87	37.52	3.44	48.00	36.33	3.84	45.02	35.10	4.27	41.90	33.82	4.73	38.35	32.38	5.32
63††	1600	49.86	37.35	3.08	47.28	36.19	3.45	44.62	35.00	3.84	41.85	33.77	4.27	38.94	32.49	4.73	35.72	31.08	5.33
62		48.93	46.60	3.08	46.45	45.32	3.45	43.95	43.95	3.84	41.70	41.70	4.27	39.31	39.31	4.73	36.59	36.59	5.33
57		48.11	48.11	3.08	46.07	46.07	3.45	43.94	43.94	3.84	41.70	41.70	4.27	39.31	39.31	4.73	36.59	36.59	5.33
72		59.45	31.88	3.13	56.35	30.73	3.50	53.10	29.54	3.91	49.76	28.33	4.35	46.24	27.06	4.82	42.07	25.59	5.38
67		54.32	40.85	3.15	51.46	39.67	3.52	48.50	38.45	3.92	45.43	37.20	4.35	42.21	35.89	4.81	38.56	34.39	5.40
63††	1800	50.54	39.38	3.16	47.87	38.20	3.53	45.12	36.98	3.92	42.26	35.72	4.35	39.27	34.41	4.81	35.96	32.95	5.41
62		49.79	49.42	3.16	47.49	47.49	3.53	45.23	45.23	3.92	42.86	42.86	4.35	40.33	40.33	4.81	37.43	37.43	5.40
57		49.65	49.65	3.16	47.49	47.49	3.53	45.23	45.23	3.92	42.86	42.86	4.35	40.34	40.34	4.81	37.43	37.43	5.40

Cooling Indoor Model	Capacity	Power	Cooling Indoor Model	Capacity	Power	Furnace Model
*FX4CN(B,F)060	1.00	1.00	CNPH*4821A**	0.97	1.01	58CV(A,X)135--22
FE4AN(B,F)005	0.99	0.99	CNPH*6024A**	0.98	0.98	58CV(A,X)135--22
FE4ANB006	1.00	0.96	CNPV*4824A**	0.97	1.01	58CV(A,X)135--22

Cooling Indoor Model	Capacity	Power	Furnace Model
FV4BN(B,F)005	0.99	0.99	CNPH*4821A**
FV4BNB006	1.00	0.96	CNPH*6024A**
FX4CN(B,F)048	1.00	1.00	CNPV*6024A**
FY4ANB060	1.00	1.09	CSPH*6012A**
FY4ANF048	0.98	1.09	CAP**6024A**
CAP**4817A**	0.97	1.08	CNPH*4821A**
CAP**4821A**	0.97	1.08	CNPH*6024A**
CAP**4824A**	0.97	1.08	CNPV*4821A**
CAP**6021A**	1.00	1.12	CNPV*6024A**
CAP**6024A**	1.00	1.12	CSPH*4812A**
CNPF*4818A**	0.95	1.06	CSPH*6012A**
CNPH*4821A**	0.97	1.08	CAP**4821A**
CNPH*6024A**	0.99	1.10	CAP**6021A**
CNPV*4821A**	0.97	1.08	CNPH*4821A**
CNPV*4824A**	0.97	1.08	CNPH*6024A**
CNPV*6024A**	0.99	1.10	CNPV*4821A**
CSPH*4812A**	0.98	1.09	CSPH*4812A**
CSPH*6012A**	1.00	1.12	CSPH*6012A**
CAP**4817A**	0.97	1.01	58CV(A,X)090--16
CNPH*4821A**	0.96	1.00	58CV(A,X)090--16
CNPH*6024A**	0.98	1.02	58CV(A,X)090--16
CSPH*4812A**	0.97	1.01	58CV(A,X)090--16
CSPH*6012A**	0.99	1.03	58CV(A,X)090--16
CAP**4821A**	0.96	1.00	58CV(A,X)110--20
CAP**6021A**	0.99	0.99	58CV(A,X)110--20
CNPH*4821A**	0.96	1.00	58CV(A,X)110--20
CNPH*6024A**	0.98	0.98	58CV(A,X)110--20
CNPV*4821A**	0.96	1.00	58CV(A,X)110--20
CSPH*4812A**	0.97	1.01	58CV(A,X)110--20
CSPH*6012A**	0.99	0.99	58CV(A,X)110--20
CAP**4824A**	0.96	1.00	58CV(A,X)135--22
CAP**6024A**	0.99	0.99	58CV(A,X)135--22

See note on pg. 23

DETAILED COOLING CAPACITIES# (CONT.)

Evaporator Air		CONDENSER ENTERING AIR TEMPERATURES deg F																					
		75				85				95				105				115				125	
CFM	EWB	Capacity MBtu/h†		Total Sys-tem KW**	Capacity MBtu/h†		Total Sys-tem KW**	Capacity MBtu/h†		Total Sys-tem KW**	Capacity MBtu/h†		Total Sys-tem KW**	Capacity MBtu/h†		Total Sys-tem KW**	Capacity MBtu/h†		Total Sys-tem KW**	Capacity MBtu/h†		Total Sys-tem KW**	
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total
25HCA500A30 Outdoor Section With FX4CN(B)F060 Indoor Section																							
1750	72	68.70	32.70	3.90	31.53	65.41	31.53	4.30	61.88	30.29	4.75	58.19	29.01	5.24	54.18	27.65	5.77	49.39	26.04	6.32			
	67	62.98	40.92	3.84	39.72	59.96	39.72	4.25	56.75	38.47	4.69	53.37	37.17	5.18	49.73	35.78	5.72	45.49	34.18	6.30			
	63††	58.74	39.64	3.80	38.44	55.93	38.44	4.20	52.96	37.20	4.65	49.82	35.90	5.14	46.45	34.52	5.68	42.60	32.95	6.29			
	62	57.63	49.03	3.79	47.78	54.91	47.78	4.20	52.05	46.43	4.64	49.08	48.73	5.14	46.20	46.20	5.68	42.98	42.98	6.29			
	57	56.02	56.02	3.78	53.81	53.81	53.81	4.18	51.47	51.47	4.64	48.95	48.95	5.13	46.21	46.21	5.68	42.98	42.98	6.29			
2000	72	69.76	34.18	4.00	32.99	66.31	32.99	4.40	62.65	31.73	4.85	58.82	30.44	5.34	54.67	29.05	5.87	49.70	27.41	6.41			
	67	63.99	43.43	3.94	42.21	60.84	42.21	4.35	57.50	40.94	4.79	53.99	39.61	5.28	50.22	38.19	5.82	45.83	36.54	6.39			
	63††	59.74	42.00	3.90	40.79	56.81	40.79	4.30	53.72	39.52	4.75	50.46	38.19	5.24	46.97	36.77	5.78	42.97	35.15	6.38			
	62	58.76	52.39	3.89	50.97	55.98	50.97	4.30	53.22	53.22	4.75	50.53	50.53	5.24	47.60	47.60	5.79	44.13	44.13	6.39			
	57	58.09	58.09	3.89	55.74	55.74	55.74	4.29	53.22	53.22	4.75	50.54	50.54	5.24	47.60	47.60	5.79	44.14	44.14	6.39			
2250	72	70.51	35.58	4.10	34.38	66.95	34.38	4.50	63.17	33.11	4.94	59.23	31.80	5.43	54.98	30.40	5.96	49.87	28.74	6.50			
	67	64.72	45.84	4.04	44.60	61.45	44.60	4.44	58.02	43.29	4.89	54.41	41.93	5.38	53.61	41.63	5.26	46.04	38.74	6.48			
	63††	60.47	44.25	4.00	43.01	57.44	43.01	4.40	54.25	41.71	4.85	50.90	40.35	5.34	47.32	38.89	5.87	43.23	37.18	6.47			
	62	59.81	59.81	3.99	57.30	57.30	57.30	4.40	54.64	54.64	4.85	51.80	51.80	5.35	48.70	48.70	5.89	45.02	45.02	6.48			
	57	59.79	59.79	3.99	57.30	57.30	57.30	4.40	54.64	54.64	4.85	51.80	51.80	5.35	48.71	48.71	5.89	45.03	45.03	6.48			
Cooling Indoor Model																							
*FX4CN(B)F060		Capacity		Power	Furnace Model				Cooling Indoor Model		Capacity	Power	Furnace Model										
FE4ANB006		1.00		1.00					CNPV*6024A**		0.98	1.05	58CV(A,X)135-22										
FV4BNB006		1.00		1.00					CSPH*6012A**		0.99	1.06	58CV(A,X)135-22										
FY4ANB060		0.99		1.06					CAP**6021A**		0.98	1.03	58CV(A,X)155-22										
CAP**6021A**		0.98		1.05					CNPV*6024A**		0.98	1.03	58CV(A,X)155-22										
CNPV*6024A**		0.98		1.05					CSPH*6012A**		0.99	1.03	58CV(A,X)155-22										
		0.98		1.05					CAP**6024A**		0.98	1.03	58CV(A,X)155-22										
		0.98		1.05					CNPV*6024A**		0.99	1.03	58CV(A,X)155-22										

HEAT PUMP HEATING PERFORMANCE

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																								
EDB	CFM	-3		7		17		27		37		47		57		67										
		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh										
		Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*									
25HCA518A30 Outdoor Section With FX4CNF018 Indoor Section																										
65	525	6.28	5.77	1.08	8.17	7.51	1.13	1.13	10.20	9.30	1.19	12.44	11.05	1.25	14.98	13.63	1.32	17.76	17.76	1.41	20.85	20.85	1.52	24.27	24.27	1.66
	600	6.39	5.88	1.08	8.30	7.63	1.13	1.13	10.35	9.44	1.17	12.64	11.23	1.23	15.24	13.87	1.29	18.07	18.07	1.37	21.24	21.24	1.47	24.77	24.77	1.60
	675	6.49	5.97	1.09	8.41	7.73	1.13	1.13	10.48	9.56	1.17	12.81	11.38	1.21	15.44	14.05	1.28	18.32	18.32	1.35	21.54	21.54	1.45	25.12	25.12	1.57
70	525	5.96	5.48	1.13	7.87	7.23	1.19	1.19	9.91	9.04	1.24	12.12	10.76	1.30	14.60	13.29	1.38	17.39	17.39	1.47	20.42	20.42	1.59	23.80	23.80	1.73
	600	6.07	5.59	1.13	8.01	7.36	1.18	1.18	10.07	9.18	1.23	12.32	10.94	1.29	14.89	13.55	1.36	17.70	17.70	1.44	20.82	20.82	1.54	24.29	24.29	1.67
	675	6.17	5.68	1.13	8.12	7.46	1.18	1.18	10.20	9.30	1.22	12.49	11.09	1.27	15.09	13.73	1.34	17.94	17.94	1.41	21.12	21.12	1.51	24.65	24.65	1.63
75	525	5.62	5.17	1.17	7.56	6.95	1.24	1.24	9.61	8.76	1.30	11.82	10.50	1.37	14.26	12.97	1.45	17.02	17.02	1.54	20.00	20.00	1.66	23.34	23.34	1.80
	600	5.73	5.27	1.18	7.70	7.07	1.23	1.23	9.77	8.91	1.29	12.01	10.66	1.35	14.50	13.20	1.42	17.32	17.32	1.51	20.39	20.39	1.61	23.82	23.82	1.74
	675	5.83	5.36	1.18	7.81	7.18	1.23	1.23	9.91	9.03	1.28	12.16	10.80	1.33	14.72	13.39	1.40	17.57	17.57	1.48	20.69	20.69	1.58	24.18	24.18	1.70

Heating Indoor Model	Capacity	Power	Furnace Model
*FX4CNF018	1.00	1.00	
FE4ANF002	0.99	0.97	
FF1ENP018	1.02	1.08	
FF1ENP024	1.02	1.06	
FV4BNF002	0.99	0.97	
FX4CNF024	1.00	0.99	
FY4ANF018	1.02	1.09	
FY4ANF024	1.02	1.08	
CNPF*2418A**	1.02	1.04	
CNPH*2417A**	1.02	1.04	
CNPV*2414A**	1.02	1.04	
CNPV*2417A**	1.02	1.04	
CSPH*2412A**	1.02	1.04	
CAP**2414A**	0.98	1.01	58CV(A.X)070-12
CNPH*2417A**	0.98	1.00	58CV(A.X)070-12
CNPV*2414A**	0.98	1.00	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**	0.99	1.00	58CV(A.X)090-16
CNPV*2417A**	0.99	1.00	58CV(A.X)090-16
CSPH*2412A**	0.99	1.00	58CV(A.X)090-16
CNPH*2417A**	0.99	1.00	58MVB040-14
CSPH*2412A**	0.98	1.00	58MVB040-14
CAP**2417A**	0.98	1.01	58MVB060-14
CNPH*2417A**	0.98	0.99	58MVB060-14
CNPV*2417A**	0.99	1.00	58MVB060-14
CSPH*2412A**	0.99	1.00	58MVB060-14
CNPH*2417A**	0.99	1.00	58MVB080-14
CSPH*2412A**	0.99	1.00	58MVB080-14

See note on pg. 30

HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																			
		-3		7		17		27		37		47		57		67					
EDB	CFM	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*	Total	Integ*
65	700	9.03	8.31	1.34	10.58	14.16	12.91	1.49	15.23	1.58	20.52	18.67	1.69	24.13	22.24	1.80	27.24	27.24	1.91	30.45	30.45
	800	9.22	8.49	1.35	11.72	14.40	13.13	1.49	17.45	1.57	20.87	18.99	1.68	24.24	24.24	1.76	27.28	27.28	1.86	28.82	28.82
	900	9.40	8.64	1.37	11.90	14.82	13.33	1.50	17.73	1.58	21.15	19.25	1.77	24.25	24.25	1.75	26.58	26.58	1.82	27.42	27.42
	700	8.66	7.96	1.39	11.17	13.84	12.62	1.56	16.78	1.49	16.55	15.30	1.65	20.11	23.77	1.89	27.06	27.06	2.01	30.49	30.49
70	800	8.85	8.14	1.41	11.39	14.08	12.84	1.56	17.07	1.56	20.47	18.63	1.75	24.00	24.00	1.85	27.03	27.03	1.96	29.28	29.28
	900	9.03	8.30	1.43	11.57	14.28	13.02	1.57	17.32	1.65	20.75	18.88	1.75	24.05	24.05	1.83	27.01	27.01	1.93	28.01	28.01
	700	8.25	7.59	1.45	10.81	13.50	12.31	1.63	16.39	1.45	17.94	17.94	1.85	23.36	23.36	1.99	26.79	26.79	2.11	30.15	30.15
	800	8.45	7.77	1.46	11.02	13.74	12.53	1.63	16.69	1.42	20.06	18.25	1.83	23.69	23.69	1.94	26.85	26.85	2.05	29.62	29.62
75	900	8.62	7.93	1.48	11.22	13.95	12.72	1.64	16.94	1.50	20.35	18.52	1.83	23.83	23.83	1.92	26.79	26.79	2.02	28.52	28.52

25HCA524A30 Outdoor Section With FX4CNF030 Indoor Section

Heating Indoor Model		Capacity	Power	Furnace Model	
*FX4CNF030		1.00	1.00		
FE4AN(B.F)003		0.98	1.00		
FE4ANF002		1.00	1.01		
FF1ENP024		1.00	1.08		
FF1ENP030		1.00	1.08		
FV4BN(B.F)003		0.98	1.08		
FV4BNF002		1.00	1.01		
FX4CNF024		1.00	1.03		
FY4ANF024		1.00	1.09		
FY4ANF030		1.00	1.06		
CAP**2414A**		1.00	1.07		
CAP**2417A**		1.00	1.07		
CAP**3014A**		1.00	1.08		
CAP**3017A**		1.00	1.08		
CNPF*2418A**		1.00	1.04		
CNPH*2417A**		1.00	1.04		
CNPH*3017A**		1.00	1.07		
CNPV*2414A**		1.00	1.04		
CNPV*2417A**		1.00	1.04		
CNPV*3014A**		1.00	1.07		
CNPV*3017A**		1.00	1.07		
CSPH*2412A**		1.00	1.07		
CSPH*3012A**		1.00	1.09		
CAP**2414A**		0.99	1.06	58CV(A.X)070-12	
CAP**3014A**		0.98	1.04	58CV(A.X)070-12	
CNPH*2417A**		1.00	1.05	58CV(A.X)070-12	
CNPH*3017A**		0.98	1.03	58CV(A.X)070-12	
CNPV*2414A**		1.00	1.05	58CV(A.X)070-12	
CNPV*3014A**		0.98	1.03	58CV(A.X)070-12	
CSPH*2412A**		1.00	1.04	58CV(A.X)070-12	
CSPH*3012A**		0.98	1.03	58CV(A.X)070-12	
CAP**2417A**		0.99	1.04	58CV(A.X)090-16	
CAP**3017A**		0.98	1.02	58CV(A.X)090-16	
CNPH*2417A**		1.00	1.04	58CV(A.X)090-16	
CNPH*3017A**		0.98	1.02	58CV(A.X)090-16	
CNPV*2417A**		1.00	1.04	58CV(A.X)090-16	
CNPV*3017A**		0.98	1.02	58CV(A.X)090-16	
CSPH*2412A**		1.00	1.03	58CV(A.X)090-16	
CSPH*3012A**		0.98	1.02	58CV(A.X)090-16	

HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																							
EDB	CFM	-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			
		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*				
25HCA530A30 Outdoor Section With FX4CN(B,F)036 Indoor Section																									
65	825	11.38	10.47	1.75	14.41	13.24	1.83	17.65	16.09	1.91	21.16	18.79	2.01	25.18	22.91	2.12	29.59	29.59	2.26	34.53	34.53	2.43	40.02	40.02	2.64
	1000	11.77	10.83	1.79	14.82	13.62	1.86	18.10	16.51	1.92	21.71	19.28	2.00	25.81	23.49	2.11	30.35	30.35	2.23	35.44	35.44	2.38	41.10	41.10	2.54
	1125	12.01	11.05	1.82	15.08	13.86	1.88	18.38	16.76	1.94	22.04	19.57	2.02	26.18	23.83	2.11	30.77	30.77	2.23	35.92	35.92	2.37	41.53	41.53	2.50
70	825	10.91	10.04	1.82	13.98	12.84	1.91	17.24	15.72	2.00	20.72	18.40	2.10	24.67	22.45	2.22	29.05	29.05	2.36	33.91	33.91	2.54	39.34	39.34	2.75
	1000	11.30	10.39	1.86	14.40	13.23	1.93	17.70	16.14	2.01	21.25	18.87	2.09	25.33	23.05	2.20	29.80	29.80	2.32	34.82	34.82	2.48	40.42	40.42	2.66
	1125	11.54	10.62	1.89	14.66	13.47	1.96	17.99	16.40	2.03	21.57	19.16	2.11	25.70	23.39	2.20	30.22	30.22	2.32	35.31	35.31	2.47	40.92	40.92	2.62
75	825	10.40	9.57	1.88	13.52	12.42	1.98	16.80	15.32	2.08	20.30	18.03	2.19	24.14	21.96	2.31	28.51	28.51	2.46	33.30	33.30	2.64	38.65	38.65	2.87
	1000	10.79	9.93	1.92	13.94	12.81	2.01	17.27	15.75	2.10	20.82	18.49	2.19	24.78	22.55	2.29	29.26	29.26	2.43	34.21	34.21	2.59	39.75	39.75	2.78
	1125	11.04	10.15	1.96	14.21	13.06	2.04	17.56	16.01	2.11	21.13	18.77	2.20	25.22	22.95	2.30	29.68	29.68	2.42	34.70	34.70	2.57	40.29	40.29	2.74

Heating Indoor Model	Capacity	Power	Furnace Model
*FX4CN(B,F)036	1.00	1.00	
FE4AN(B,F)003	0.97	0.98	
FE4AN(B,F)005	0.99	0.95	
FE4ANF002	0.98	0.99	
FF1ENF030	1.01	1.07	
FF1ENF036	1.01	1.06	
FV4BN(B,F)003	0.97	0.98	
FV4BN(B,F)005	0.99	0.95	
FV4BNF002	0.98	0.99	
FX4CNF030	0.99	1.00	
FY4ANF030	1.01	1.06	
FY4ANF036	1.01	1.06	
CAP**3014A**	1.01	1.06	
CAP**3017A**	1.01	1.06	
CAP**3614A**	1.01	1.06	
CAP**3617A**	1.01	1.06	
CAP**3621A**	1.01	1.06	
CNPF*3618A**	1.01	1.06	
CNPH*3017A**	1.01	1.06	
CNPH*3617A**	1.01	1.06	
CNPV*3014A**	1.01	1.06	
CNPV*3017A**	1.01	1.06	
CNPV*3617A**	1.01	1.06	
CNPV*3621A**	1.01	1.06	
CSPH*3012A**	1.01	1.05	
CSPH*3612A**	1.01	1.02	
CAP**3014A**	0.97	1.02	58CV(A,X)070-12
CAP**3614A**	0.98	1.02	58CV(A,X)070-12
CNPH*3017A**	0.97	1.02	58CV(A,X)070-12
CNPH*3617A**	0.97	1.02	58CV(A,X)070-12
CNPV*3014A**	0.98	1.03	58CV(A,X)070-12
CSPH*3012A**	0.98	1.02	58CV(A,X)070-12
CSPH*3612A**	0.99	0.99	58CV(A,X)070-12
CAP**3017A**	0.97	1.01	58CV(A,X)090-16
CAP**3617A**	0.97	1.00	58CV(A,X)090-16
CNPH*3017A**	0.97	1.01	58CV(A,X)090-16
CNPV*3017A**	0.97	1.01	58CV(A,X)090-16
CSPH*3617A**	0.97	1.01	58CV(A,X)090-16

Heating Indoor Model	Capacity	Power	Furnace Model
CSPH*3612A**	0.98	0.98	58CV(A,X)090-16
CAP**3621A**	0.97	1.00	58CV(A,X)110-20
CNPH*3017A**	0.97	1.01	58CV(A,X)110-20
CNPH*3617A**	0.97	1.01	58CV(A,X)110-20
CNPV*3621A**	0.97	1.00	58CV(A,X)110-20
CSPH*3012A**	0.98	1.01	58CV(A,X)110-20
CSPH*3612A**	0.99	0.98	58CV(A,X)110-20
CNPH*3017A**	0.97	1.00	58CV(A,X)135-22
CNPH*3617A**	0.97	1.00	58CV(A,X)135-22
CSPH*3012A**	0.97	1.00	58CV(A,X)135-22
CSPH*3612A**	0.98	0.98	58CV(A,X)135-22
CNPH*3017A**	0.97	1.00	58CV(A,X)155-22
CNPH*3617A**	0.97	1.00	58CV(A,X)155-22
CSPH*3012A**	0.97	0.98	58CV(A,X)155-22
CSPH*3612A**	0.97	1.02	58MV B040-14
CAP**3017A**	0.97	1.02	58MV B040-14
CAP**3617A**	0.97	1.01	58MV B060-14
CNPH*3017A**	0.97	1.02	58MV B060-14
CNPH*3617A**	0.97	1.02	58MV B060-14
CNPV*3017A**	0.97	1.02	58MV B060-14
CNPV*3617A**	0.97	1.02	58MV B060-14
CSPH*3012A**	0.97	1.02	58MV B060-14
CSPH*3612A**	0.98	0.99	58MV B060-14
CAP**3621A**	0.97	1.00	58MV B080-14
CNPH*3017A**	0.97	1.01	58MV B080-14
CNPH*3617A**	0.97	1.01	58MV B080-14
CNPV*3621A**	0.97	1.01	58MV B080-14
CSPH*3012A**	0.98	1.02	58MV B080-14
CSPH*3612A**	0.99	0.99	58MV B080-14
CAP**3621A**	0.97	1.00	58MV B080-20
CNPH*3017A**	0.97	1.01	58MV B080-20
CNPH*3617A**	0.97	1.01	58MV B080-20
CNPV*3621A**	0.97	1.01	58MV B080-20
CSPH*3012A**	0.98	1.02	58MV B080-20
CSPH*3612A**	0.99	0.99	58MV B080-20
CAP**3621A**	0.97	1.00	58MV B100-20

Heating Indoor Model	Capacity	Power	Furnace Model
CNPH*3017A**	0.97	1.01	58MVB100-20
CNPV*3617A**	0.97	1.01	58MVB100-20
CSPH*3012A**	0.98	1.02	58MVB100-20
CSPH*3612A**	0.99	0.99	58MVB100-20
CNPH*3017A**	0.97	1.01	58MVB120-20
CNPV*3617A**	0.97	1.01	58MVB120-20
CSPH*3012A**	0.97	1.01	58MVB120-20
CSPH*3612A**	0.98	0.99	58MVB120-20

See note on pg. 30

HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																							
EDB	CFM	-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						
		Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*						
28HCAS36A30 Outdoor Section With Fx4CN(BI FJ042 Indoor Section																									
65	1050	14.10	12.97	2.01	17.58	16.15	2.10	21.40	19.51	2.21	25.78	22.89	2.34	30.60	27.85	2.48	36.09	36.09	41.58	2.65	41.58	2.83	45.41	45.41	2.96
	1200	14.39	13.24	2.04	17.89	16.44	2.13	21.77	19.85	2.22	26.18	23.25	2.34	31.06	28.26	2.48	36.41	36.41	40.96	2.62	40.96	2.78	42.71	42.71	2.82
	1350	14.66	13.48	2.08	18.17	16.69	2.16	22.08	20.13	2.25	26.52	23.55	2.36	31.43	28.60	2.50	36.44	36.44	39.13	2.63	39.13	2.71	40.35	40.35	2.73
70	1050	13.65	12.55	2.09	17.17	15.78	2.19	20.94	19.09	2.30	25.30	22.47	2.44	30.08	27.37	2.59	35.48	35.48	41.19	2.74	41.19	2.95	46.01	46.01	3.14
	1200	13.94	12.83	2.12	17.49	16.07	2.22	21.31	19.43	2.32	25.71	22.83	2.44	30.54	27.79	2.59	36.00	36.00	41.26	2.79	41.26	2.92	43.37	43.37	2.98
	1350	14.21	13.07	2.16	17.77	16.33	2.25	21.63	19.72	2.34	26.05	23.14	2.46	30.90	28.12	2.60	36.14	36.14	39.97	2.74	39.97	2.87	41.56	41.56	2.91
75	1050	13.16	12.10	2.17	16.73	15.37	2.29	20.50	18.70	2.40	24.75	21.98	2.54	29.54	26.88	2.71	34.87	34.87	40.74	2.90	40.74	3.08	45.48	45.48	3.27
	1200	13.46	12.38	2.20	17.05	15.67	2.31	20.85	19.01	2.42	25.24	22.41	2.55	30.00	27.30	2.70	35.41	35.41	40.90	2.87	40.90	3.05	44.25	44.25	3.16
	1350	13.73	12.63	2.24	17.34	15.93	2.34	21.16	19.29	2.44	25.59	22.72	2.56	30.38	27.65	2.71	35.78	35.78	40.91	2.86	40.91	3.04	44.26	44.26	3.06

25HCA536A30 Outdoor Section With FX4CN(B,F)042 Indoor Section

Heating Indoor Model	Capacity	Power	Furnace Model
*FX4CN(B,F)042	1.00	1.00	
FE4AN(B,F)003	0.97	1.02	
FE4AN(B,F)005	0.99	0.98	
FE4ANB006	0.99	0.95	
FE4ANF002	0.98	1.04	
FF1ENP036	1.00	1.09	
FV4BN(B,F)003	0.97	1.02	
FV4BN(B,F)005	0.99	0.98	
FV4BNB006	0.99	0.95	
FV4BNF002	0.98	1.04	
FX4CN(B,F)036	0.99	1.02	
FY4ANF036	1.00	1.09	
FY4ANF042	1.00	1.06	
CAP**3614A**	1.00	1.10	
CAP**3617A**	1.00	1.08	
CAP**3621A**	1.00	1.08	
CAP**4221A**	1.00	1.06	
CAP**4224A**	1.00	1.06	
CNPF*3618A**	1.00	1.08	
CNPH*3617A**	1.00	1.08	
CNPH*4221A**	1.00	1.06	
CNPV*3617A**	1.00	1.08	
CNPV*3621A**	1.00	1.08	
CNPV*4221A**	1.00	1.06	
CSPH*3612A**	1.00	1.04	
CSPH*4212A**	1.00	1.03	
CAP**3614A**	0.98	1.06	58CV(A,X)070-12
CNPH*3617A**	0.98	1.07	58CV(A,X)070-12
CNPH*4221A**	0.98	1.03	58CV(A,X)070-12
CSPH*3612A**	0.98	1.03	58CV(A,X)070-12
CSPH*4212A**	0.99	1.02	58CV(A,X)070-12
CAP**3617A**	0.97	1.04	58CV(A,X)090-16
CNPH*3617A**	0.97	1.05	58CV(A,X)090-16
CNPH*4221A**	0.97	1.01	58CV(A,X)090-16
CNPV*3617A**	0.97	1.05	58CV(A,X)090-16
CSPH*3612A**	0.98	1.01	58CV(A,X)090-16
CSPH*4212A**	0.98	1.00	58CV(A,X)090-16
CAP**3621A**	0.97	1.03	58CV(A,X)110-20
CNPV*4221A**	0.98	1.02	58CV(A,X)110-20
CNPH*3617A**	0.97	1.05	58CV(A,X)110-20

HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																				
EDB	CFM	-3		7		17		27		37		47		57		67						
		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh		Capacity MBtuh						
		Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*					
25HCA542A30 Outdoor Section With FX4CN(B,F)048 Indoor Section																						
65	1225	17.84	16.41	2.61	21.79	20.02	2.71	26.04	23.74	2.82	30.81	27.96	2.93	36.18	32.92	3.05	42.17	48.03	3.28	52.01	52.01	3.37
	1400	18.17	16.72	2.65	22.14	20.34	2.74	26.44	24.11	2.84	31.28	27.79	2.93	36.72	33.42	3.04	42.42	48.60	3.19	47.75	47.75	3.20
	1575	18.47	16.99	2.70	22.47	20.65	2.78	26.79	24.43	2.87	31.74	28.19	2.96	37.17	33.83	3.03	42.49	44.37	3.14	45.16	45.16	3.14
70	1225	17.34	15.95	2.69	21.31	19.58	2.80	25.59	23.33	2.92	30.27	26.89	3.04	35.61	32.40	3.17	41.54	47.52	3.42	51.68	51.68	3.52
	1400	17.68	16.26	2.73	21.68	19.92	2.83	25.99	23.70	2.94	30.74	27.31	3.04	36.14	32.89	3.16	42.00	48.92	3.35	48.85	48.85	3.38
	1575	18.01	16.57	2.77	22.01	20.23	2.87	26.35	24.03	2.97	31.15	27.67	3.06	36.59	33.30	3.17	42.15	45.37	3.30	46.90	46.90	3.32
75	1225	16.82	15.47	2.76	20.83	19.15	2.89	25.11	22.90	3.02	29.73	26.41	3.15	35.04	31.89	3.29	40.88	46.96	3.57	51.86	51.86	3.70
	1400	17.16	15.79	2.80	21.21	19.49	2.92	25.53	23.27	3.04	30.21	26.83	3.15	35.57	32.37	3.28	41.52	47.22	3.52	49.71	49.71	3.57
	1575	17.47	16.08	2.85	21.54	19.80	2.96	25.89	23.61	3.07	30.63	27.30	3.18	36.02	32.91	3.29	41.76	46.06	3.47	47.46	47.46	3.48

Heating Indoor Model	Capacity	Power	Furnace Model
*Fx4CN(B,F)048	1.00	1.00	
FE4AN(B,F)003	0.99	1.08	
FE4AN(B,F)005	1.00	1.02	
FE4ANB006	1.00	1.00	
FV4BN(B,F)003	0.99	1.08	
FV4BN(B,F)005	1.00	1.02	
FV4BNB006	1.00	1.00	
Fx4CN(B,F)042	1.00	1.04	
FY4ANF042	1.00	1.06	
FY4ANF048	1.00	1.09	
CAP**4221A**	1.00	1.09	
CAP**4224A**	1.00	1.09	
CAP**4817A**	1.00	1.04	
CAP**4821A**	1.00	1.06	
CAP**4824A**	1.00	1.06	
CNPF*4818A**	1.00	1.07	
CNPH*4221A**	1.00	1.09	
CNPH*4821A**	1.00	1.06	
CNPV*4221A**	1.00	1.09	
CNPV*4821A**	1.00	1.06	
CSPH*4212A**	1.00	1.05	
CSPH*4812A**	1.00	1.05	
CSPH*4812A**	1.00	1.04	
CNPH*4212A**	0.99	1.08	58CV(A,X)070-12
CNPH*4821A**	1.00	1.07	58CV(A,X)070-12
CSPH*4212A**	1.00	1.07	58CV(A,X)070-12
CSPH*4812A**	1.00	1.07	58CV(A,X)070-12
CAP**4817A**	1.00	1.05	58CV(A,X)090-16
CNPH*4221A**	0.99	1.07	58CV(A,X)090-16
CNPH*4821A**	1.00	1.05	58CV(A,X)090-16
CSPH*4212A**	1.00	1.06	58CV(A,X)090-16
CSPH*4812A**	1.00	1.05	58CV(A,X)090-16
CAP**4221A**	0.99	1.07	58CV(A,X)110-20
CAP**4812A**	1.00	1.05	58CV(A,X)110-20
CNPF*4221A**	0.99	1.06	58CV(A,X)110-20
CNPF*4821A**	1.00	1.05	58CV(A,X)110-20
CNPV*4221A**	0.99	1.06	58CV(A,X)110-20
CNPV*4821A**	1.00	1.05	58CV(A,X)110-20
CSPH*4212A**	1.00	1.05	58CV(A,X)110-20
CSPH*4812A**	1.00	1.05	58CV(A,X)110-20

Heating Indoor Model	Capacity	Power	Furnace Model
CAP**4224A**	0.99	1.07	58CV(A,X)135-22
CAP**4824A**	1.00	1.05	58CV(A,X)135-22
CNPH*4821A**	0.98	1.04	58CV(A,X)135-22
CNPH*4821A**	1.00	1.04	58CV(A,X)135-22
CNPV*4824A**	1.00	1.04	58CV(A,X)135-22
CSPH*4212A**	1.00	1.05	58CV(A,X)135-22
CSPH*4812A**	1.00	1.04	58CV(A,X)135-22
CAP**4224A**	0.99	1.07	58CV(A,X)155-22
CAP**4824A**	0.98	1.03	58CV(A,X)155-22
CNPH*4221A**	0.99	1.04	58CV(A,X)155-22
CNPH*4821A**	0.99	1.03	58CV(A,X)155-22
CNPV*4824A**	0.99	1.03	58CV(A,X)155-22
CSPH*4212A**	1.00	1.05	58CV(A,X)155-22
CSPH*4812A**	1.00	1.04	58CV(A,X)155-22
CAP**4224A**	0.99	1.08	58MV040-14
CAP**4824A**	1.00	1.08	58MV040-14
CNPH*4221A**	0.99	1.08	58MV040-14
CNPH*4821A**	1.00	1.07	58MV040-14
CNPV*4824A**	1.00	1.07	58MV040-14
CSPH*4212A**	1.00	1.08	58MV040-14
CSPH*4812A**	1.00	1.07	58MV040-14
CAP**4817A**	1.00	1.05	58MV060-14
CNPH*4221A**	0.99	1.07	58MV060-14
CNPH*4821A**	1.00	1.06	58MV060-14
CSPH*4212A**	1.00	1.06	58MV060-14
CSPH*4812A**	1.00	1.06	58MV060-14
CAP**4221A**	0.99	1.10	58MV080-14
CAP**4821A**	1.00	1.08	58MV080-14
CNPH*4221A**	0.99	1.08	58MV080-14
CNPH*4821A**	1.00	1.07	58MV080-14
CSPH*4212A**	1.00	1.08	58MV080-14
CSPH*4812A**	1.00	1.07	58MV080-14
CAP**4221A**	0.99	1.09	58MV080-20
CAP**4821A**	1.00	1.07	58MV080-20
CNPH*4221A**	0.99	1.08	58MV080-20
CNPH*4821A**	1.00	1.06	58MV080-20
CNPV*4221A**	0.99	1.08	58MV080-20
CNPV*4821A**	1.00	1.06	58MV080-20

Heating Indoor Model	Capacity	Power	Furnace Model
CSPH*4212A**	1.00	1.06	58MV080-20
CSPH*4812A**	1.00	1.06	58MV080-20
CAP**4221A**	0.99	1.08	58MV100-20
CAP**4821A**	1.00	1.06	58MV100-20
CNPH*4221A**	0.99	1.07	58MV100-20
CNPH*4821A**	1.00	1.06	58MV100-20
CNPV*4221A**	0.99	1.07	58MV100-20
CNPV*4821A**	1.00	1.06	58MV100-20
CSPH*4212A**	1.00	1.06	58MV100-20
CSPH*4812A**	1.00	1.05	58MV100-20
CAP**4224A**	0.99	1.08	58MV120-20
CAP**4824A**	1.00	1.06	58MV120-20
CNPH*4221A**	0.99	1.07	58MV120-20
CNPH*4821A**	1.00	1.06	58MV120-20

See note on pg. 30

HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR			OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																					
EDB	CFM	-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*							
65	1400	19.07	17.54	2.76	23.54	21.63	2.87	28.36	25.85	2.98	33.56	29.80	3.10	39.32	35.79	3.23	45.91	45.91	53.00	53.00	60.37	60.37	3.73	3.73
	1600	19.47	17.91	2.81	23.97	22.02	2.90	28.84	26.29	3.00	34.07	30.26	3.11	40.04	36.43	3.23	46.63	46.63	53.36	53.36	57.34	57.34	3.55	3.55
	1800	19.84	18.25	2.87	24.36	22.38	2.95	29.26	26.68	3.04	34.52	30.65	3.13	40.57	36.92	3.24	46.96	46.96	52.78	52.78	54.26	54.26	3.44	3.44
70	1400	18.51	17.03	2.88	23.01	21.14	3.00	27.85	25.39	3.11	33.06	29.36	3.25	38.71	35.22	3.39	45.20	45.20	52.34	52.34	59.50	59.50	3.91	3.91
	1600	18.92	17.41	2.93	23.44	21.54	3.03	28.33	25.83	3.14	33.57	29.82	3.25	39.33	35.79	3.38	46.00	46.00	52.78	52.78	57.48	57.48	3.75	3.75
	1800	19.29	17.75	2.98	23.84	21.91	3.08	28.75	26.22	3.17	34.03	30.22	3.27	39.87	36.28	3.39	46.48	46.48	52.96	52.96	55.14	55.14	3.64	3.64
75	1400	17.93	16.50	3.00	22.47	20.65	3.12	27.32	24.91	3.25	32.55	28.90	3.40	38.12	34.69	3.55	44.54	44.54	51.64	51.64	58.77	58.77	4.11	4.11
	1600	18.34	16.87	3.05	22.89	21.04	3.16	27.80	25.35	3.28	33.06	29.37	3.40	38.70	35.22	3.53	45.29	45.29	52.16	52.16	58.24	58.24	3.98	3.98
	1800	18.71	17.22	3.10	23.29	21.40	3.21	28.22	25.73	3.31	33.52	29.77	3.43	39.24	35.71	3.54	45.94	45.94	52.44	52.44	56.27	56.27	3.87	3.87

Heating Indoor Model		Capacity		Power		Furnace Model	
*FX4CN(B,F)060		1.00	1.00	1.00			
FE4AN(B,F)005		0.98	0.98	1.05			
FE4ANB006		0.98	1.01				
FV4BN(B,F)005		0.98	1.05				
FV4BNB006		0.98	1.01				
FX4CN(B,F)048		1.00	1.05				
FY4ANB060		1.02	1.08				
FY4ANF048		1.01	1.12				
CAP**4817A**		1.00	1.11				
CAP**4821A**		1.01	1.11				
CAP**4824A**		1.01	1.11				
CAP**6021A**		1.01	1.08				
CAP**6024A**		1.01	1.08				
CNPF*4818A**		0.99	1.13				
CNPH*4821A**		1.01	1.11				
CNPH*6024A**		1.01	1.10				
CNPV*4821A**		1.01	1.11				
CNPV*4824A**		1.01	1.11				
CNPV*6021A**		1.01	1.10				
CNPV*6024A**		1.01	1.10				
CSPH*4812A**		1.01	1.09				
CSPH*6012A**		1.01	1.08				
CAP**4817A**		0.99	1.09			58CV(A,X)090-16	
CNPH*4821A**		0.98	1.09			58CV(A,X)090-16	
CNPH*6024A**		0.98	1.07			58CV(A,X)090-16	
CSPH*4812A**		0.98	1.08			58CV(A,X)090-16	
CSPH*6012A**		0.98	1.06			58CV(A,X)090-16	
CAP**4821A**		0.98	1.09			58CV(A,X)110-20	
CAP**6021A**		0.98	1.06			58CV(A,X)110-20	
CNPH*4821A**		0.98	1.08			58CV(A,X)110-20	
CNPH*6024A**		0.98	1.07			58CV(A,X)110-20	
CNPV*4821A**		0.98	1.08			58CV(A,X)110-20	
CNPV*4824A**		0.98	1.06			58CV(A,X)110-20	
CNPV*6021A**		0.98	1.07			58CV(A,X)110-20	
CNPV*6024A**		0.98	1.06			58CV(A,X)110-20	
CSPH*4812A**		0.98	1.08			58CV(A,X)110-20	
CSPH*6012A**		0.98	1.05			58CV(A,X)110-20	
CAP**4824A**		0.98	1.08			58CV(A,X)135-22	
CAP**6024A**		0.98	1.06			58CV(A,X)135-22	
CNPH*4821A**		0.98	1.08			58CV(A,X)135-22	
CNPH*6024A**		0.98	1.06			58CV(A,X)135-22	
CNPV*4824A**		0.98	1.08			58CV(A,X)135-22	
CNPV*6024A**		0.98	1.06			58CV(A,X)135-22	
CSPH*4812A**		0.98	1.07			58CV(A,X)135-22	

See note on pg. 30

HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR			OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																				
EDB	CFM	-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							
		Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*						
25HCA560A30 Outdoor Section With FX4CN(B,F)060 Indoor Section																							
65	1750	23.48	21.60	3.26	26.80	3.39	32.12	3.53	41.70	37.04	3.70	48.76	44.37	3.88	57.02	57.02	66.63	66.63	4.35	76.53	76.53	4.64	
	2000	23.94	22.03	3.31	29.66	3.42	35.77	32.61	3.55	42.29	37.56	3.70	49.47	45.02	3.86	57.90	57.90	67.49	67.49	4.27	77.13	77.13	4.53
	2250	24.37	22.42	3.36	30.11	3.47	36.24	33.05	3.59	42.81	38.02	3.72	50.12	45.61	3.87	58.69	58.69	67.98	67.98	4.24	77.31	77.31	4.47
70	1750	22.72	20.90	3.41	28.46	3.55	34.56	31.51	3.71	41.06	36.46	3.88	48.05	43.73	4.07	56.15	56.15	65.57	65.57	4.57	75.53	75.53	4.86
	2000	23.18	21.33	3.46	28.97	3.59	35.11	32.01	3.72	41.66	37.00	3.88	48.74	44.35	4.05	57.00	57.00	66.59	66.59	4.48	76.22	76.22	4.75
	2250	23.61	21.72	3.52	29.43	3.63	35.60	32.46	3.76	42.18	37.46	3.90	49.33	44.89	4.06	57.73	57.73	67.16	67.16	4.44	76.51	76.51	4.68
75	1750	21.89	20.14	3.56	27.70	3.72	33.86	30.87	3.89	40.39	35.87	4.07	47.50	43.23	4.28	55.05	55.05	64.53	64.53	4.79	74.52	74.52	5.09
	2000	22.37	20.58	3.61	28.22	3.76	34.42	31.38	3.90	40.99	36.40	4.07	48.02	43.70	4.25	55.99	55.99	65.60	65.60	4.69	75.29	75.29	4.97
	2250	22.80	20.98	3.67	28.68	3.80	34.91	31.83	3.94	41.52	36.88	4.09	48.61	44.24	4.25	56.84	56.84	66.32	66.32	4.65	75.63	75.63	4.90
Heating Indoor Model		Capacity		Power		Furnace Model		Heating Indoor Model		Capacity		Power		Furnace Model		Heating Indoor Model		Capacity		Power		Furnace Model	
*FX4CN(B,F)060		1.00		1.00				CNPV*6024A**		1.01		1.07				CNPV*6024A**		1.00		1.05		58CV(A,X)135-22	
FE4ANB006		1.00		1.00				CSPH*6012A**		1.01		1.05				CAP**6021A**		1.00		1.03		58CV(A,X)135-22	
FY4BNB006		1.00		1.00				CAP**6021A**		1.00		1.05		58CV(A,X)110-20		CAP**6024A**		1.00		1.03		58CV(A,X)155-22	
FY4ANB060		1.02		1.07				CNPV*6024A**		1.00		1.06		58CV(A,X)110-20		CNPV*6024A**		1.00		1.04		58CV(A,X)155-22	
CAP**6021A**		1.01		1.06				CSPH*6012A**		1.01		1.05		58CV(A,X)110-20		CNPV*6024A**		1.00		1.04		58CV(A,X)155-22	
CAP**6024A**		1.01		1.06				CAP**6024A**		1.00		1.04		58CV(A,X)135-22		CSPH*6012A**		1.00		1.02		58CV(A,X)155-22	
CNPV*6024A**		1.01		1.07				CNPV*6024A**		1.00		1.05		58CV(A,X)135-22		CSPH*6012A**		1.00		1.02		58CV(A,X)155-22	

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

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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.
- Compressor will be covered with a sound absorbing blanket.

Condenser Coil

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

Refrigeration Components

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

Special Features

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

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