

25HNA6

**Infinity™ 16 Series Heat Pump
with Puron® Refrigerant
Sizes 24 to 60
2 To 5 Nominal Tons**



Turn to the Experts.™

Product Data



INFINITY™ SYSTEM



Carrier's heat pumps with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 25HNA has been designed utilizing Carrier's Puron® refrigerant. The environmentally sound refrigerant allows consumers to make a responsible decision in the protection of the earth's ozone layer.

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

INDUSTRY LEADING FEATURES / BENEFITS

Energy Efficiency

- 15-16.6 SEER/11.1-12.6 EER/8.4-9.1 HSPF

New Aesthetic Design

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

Extra Quiet Operation

- Silencer™ System II for sound as low as 70 dBA
 - Quiet mount split post compressor grommets
 - Quiet External Silencer muffler
 - Exclusive Silencer Top design
 - 8 Pole PSC ball bearing outdoor condenser fan motor
 - Forward-swept condenser fan blade
 - Compressor sound hood
 - Laminated steel compressor mounting plate
- Quiet Shift Defrost

Reliability, Quality and Toughness

- Two-Stage reciprocating compressor
- Field-installed 16 cu. in. filter drier
- Back-seating service valves
- High pressure switch
- Loss of charge switch
- Internal pressure relief valve
- Internal thermal overload
- Long-line accessory connections
- Suction Line Accumulator
- Vapor fog eliminator
- Ideal Defrost

Controls and Diagnostics

- Infinity™ Control or Thermostat
- Utility Interface Connection
- Up to 23 point diagnostic capability

Applications

- Long-line - up to 250 ft. total equivalent length, see Long Line Guide for more information
- Low ambient (down to 0°F) with complete Infinity™ system

Limited Warranty

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

MODEL NUMBER NOMENCLATURE

1 N	2 N	3 A	4 A	5 A/N	6 N	7 N	8 N	9 A/N	10 A/N	11 A/N	12 N	13 N
2	5	H	N	A	6	3	6	A	0	0	3	0
Product Series	Product Family	Tier	Major Series	SEER	Cooling Capacity	Variations	Open	Open	Open	Voltage	Minor Series	
25 = HP	H = RES HP	n = infinity Series	A = Puron	6 = 16 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	24	36	48	60
Puron Refrigerant	X	X	X	X
Up to 16 SEER		X		
Second Generation Infinity™ Control or Thermostat	X	X	X	X
Two Stage Reciprocating Compressor	X	X	X	X
Weather Armor Ultra™	X	X	X	X
Silencer System II™	X	X	X	X
Field Installed 16 cu. in. Filter Drier	X	X	X	X
Loss of Charge Switch	X	X	X	X
High Pressure Switch	X	X	X	X
Back Seating Service Valves	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X
Internal Thermal Overload	X	X	X	X
Long Line Accessory Solenoid Connections	X	X	X	X
Long Line capability	X	X	X	X
Low Ambient capability to 0°F—Standard*	X	X	X	X
Suction line accumulator	X	X	X	X
Up to 23 Point Diagnostics	X	X	X	X
Quiet Shift Defrost	X	X	X	X
Vapor Fog Eliminator	X	X	X	X
Ideal Defrost*	X	X	X	X
Utility Interface Connection	X	X	X	X
* With complete Infinity System				

PHYSICAL DATA

UNIT SIZE SERIES	24	36	48	60
Operating Weight (lb)	283	310	357	393
Shipping Weight (lb)	319	345	394	430
Compressor Type	2-Stage Reciprocating			
REFRIGERANT	Puron® (R-410A)			
Control	TXV (Puron® Hard Shutoff)			
Charge (lb)	8.1	10.8	14.0	14.3
COND FAN	Forward Swept Blade Propeller Type, Direct Drive			
Air Discharge	Vertical			
Air Qty (CFM)	2450	2738	3633	3943
Motor HP	1/12	1/10	1/5	1/5
Motor RPM	800	800	800	800
COND COIL				
Face Area (Sq ft)	20.33	18.30	24.40	24.40
Fins per In.	20	20	20	20
Rows	1	2	2	2
Circuits	5	8	10	10
VALVE CONNECT. (In. ID)				
Vapor	5/8	3/4	7/8	7/8
Liquid	3/8"			
REFRIGERANT TUBES* (In. OD)				
Vapor (0-80 Ft Tube Length)	5/8	3/4	7/8	1-1/8
Liquid (0-80 Ft Tube Length)	3/8"			

* For tubing sets between 80 ft. and 200 ft. horizontal or 20 ft. vertical differential (250 ft. Total Equivalent Length), consult the Long-Line Guideline.

Note: See unit Installation Instruction for proper installation.

VAPOR LINE SIZING AND COOLING CAPACITY LOSS PURON 2-STAGE HEAT PUMP APPLICATIONS

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

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

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

Standard Length = 80 ft. or less total equivalent length

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

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

ACCESSORIES

KIT NUMBER	KIT NAME	24–30	36–30	48–30	60–30
KSACY0101AAA	CYCLE PROTECTOR	S	S	S	S
KAAFT0101AAA	FREEZE THERMOSTAT*	S	S	S	S
KHALS0401LLS	SOLENOID VALVE	X	X	X	X
KSASH2201BRL	SOUND BLANKET PREMIUM		X		
KSASF0101AAA	SUPPORT FEET	X	X	X	X
KAATD0101TDR	TIME DELAY	S	S	S	S
KSATX0201PUR	TXV	X			
KSATX0301PUR	TXV		X		
KSATX0401PUR	TXV			X	
KSATX0501PUR	TXV				X
KAAWS0101AAA	WINTER START	S	S	S	S

x = Accessory S = Standard

* Standard with Infinity Control

ACCESSORY THERMOSTATS

THERMOSTATS	DESCRIPTION
TSTATCCPRH01–B	Thermidistat™ Control — Non–Programmable/Programmable Thermostat with Humidity Control (For use in HybridHeat™ (Dual Fuel), AC, HP, and 2S applications. Includes Outdoor Air Temperature Sensor.)
TSTATCCP2S01–B	Carrier Thermostat, Auto Changeover, 7–Day Programmable, °F/°C, 2–Stage Heat/2–Stage Cool in AC Mode, 3–Stage Heat/2–Stage Cool in HP mode
TSTATCCN2S01–B	Carrier Thermostat, Auto Changeover, Non–Programmable, °F/°C, 2–Stage Heat/2–Stage Cool in AC Mode, 3–Stage Heat/2–Stage Cool in HP mode
TSTATXXSEN01–B	Outdoor Temperature Sensor
TSTATXXNBP01	Backplate for Non–Programmable Thermostat
TSTATXXPBP01	Backplate for Programmable Thermostat
TSTATXXCNV10	Thermostat Conversion Kit (4 to 5 Wire) — 10 Pack

INFINITY* CONTROLS	DESCRIPTION
SYSTXCCUID01–A*	Infinity Control Deluxe 7–Day Programmable (Wall–mounted system control.)
SYSTXCCUIZ01–A*	Infinity Control Deluxe Zoning 7–Day Programmable (Wall–mounted control for a multi–zone system.)
SYSTXCC4ZC01	Infinity 4–Zone Damper Control Module (Wall–mounted control for a four–zone system.)
SYSTXCCSMS01	Infinity Smart Sensor (Optional wall control used to monitor temperature and/or fan control in an individual zone.)
SYSTXCCRRS01	Infinity Remote Room Sensor (Monitors temperature in an individual zone.)
SYSTXCCSAM01	Infinity System Access Module (Hardware for wireless access and control via phone or internet.)
SYSTXCCNIM01†	Infinity Network Interface Module (Connects Heat Recovery and Energy Recovery Ventilators or older two–speed outdoor models to system.)
SYSTXXXBPU01	Decorative Back Plate for Infinity Control (Decorative wall plate.)

† Must be installed in HybridHeat™ (Dual–Fuel) Infinity™ system applications.

* These Infinity series units must use “–A” revision or later to operate properly.

ACCESSORY USAGE GUIDELINE

Accessory	REQUIRED FOR LOW-AMBIENT COOLING APPLICATIONS (0°F to 55°F)	REQUIRED FOR LONG LINE APPLICATIONS* (Over 80 Ft.)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles)
Crankcase Heater	Standard	Standard	Standard
Evaporator Freeze Thermostat	Standard with Infinity Control (Low Ambient not allowed with non-communicating thermostat)	No	No
Winter Start Control	Standard with Infinity Control (Low Ambient not allowed with non-communicating thermostat)	No	No
Accumulator	Standard	Standard	Standard
Compressor Start Assist Capacitor and Relay	Standard	Standard	Standard
Low Ambient Control	Standard with Infinity Control (Low Ambient not allowed with non-communicating thermostat)	No	No
Support Feet	Recommended	No	Recommended
Liquid Line Solenoid Valve	No	Yes	No
Puron Balance Port Hard Shut-Off TXV	Yes†	Yes†	Yes†
Ball Bearing Fan Motor	Standard	Standard	Standard

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

† Required on all indoor units. Standard on all new Puron® fan coils and furnace coils.

Accessory Description and Usage (Listed Alphabetically)

1. Compressor 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.

2. 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.

3. 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.

4. 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.

ELECTRICAL DATA

UNIT SIZE	V-PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE†	MIN WIRE SIZE†	MAX LENGTH (FT)‡	MAX LENGTH H (FT)‡	MAX FUSE** or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA		60° C	75° C	60° C	75° C	
24	208/230-1	187	253	65.0	12.3	0.5	15.9	14	14	49	47	25
36				72.0	16.5	0.7	21.3	12	12	59	56	30
48				105.0	23.4	1.1	30.4	8	10	102	62	50
60				130.0	25.6	1.3	33.3	8	10	93	57	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
24	71-low stage	56.0	57.0	61.5	61.0	58.5	50.5	44.0
	72-high stage	59.5	59.5	63.0	62.0	58.0	50.5	43.5
36	71-low stage	56.5	59.0	59.0	59.0	57.0	50.5	42.5
	73-high stage	55.5	63.5	59.0	60.5	58.0	52.5	44.0
48	71-low stage	55.5	54.0	56.5	59.5	61.0	52.0	47.5
	74-high stage	60.5	57.5	59.0	59.5	61.0	53.5	47.0
60	76-low stage	67.0	66.0	58.5	60.5	62.0	55.5	48.5
	76-high stage	63.5	67.5	60.5	59.5	59.5	60.0	50.5

A-WEIGHTED SOUND LEVEL (dBA)

with PREMIUM ACCESSORY SOUND BLANKET

UNIT SIZE	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
36	70-low stage	56.0	58.0	59.0	58.0	56.5	51.0	43.0
	72-high stage	55.0	59.0	58.5	58.0	57.5	52.0	44.5

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE-SERIES	REQUIRED SUBCOOLING (F)	OUTDOOR HEATING PISTON #
24	13 HIGH STAGE	38
36	15 HIGH STAGE	55
48	13 HIGH STAGE	57
60	14 HIGH STAGE	63

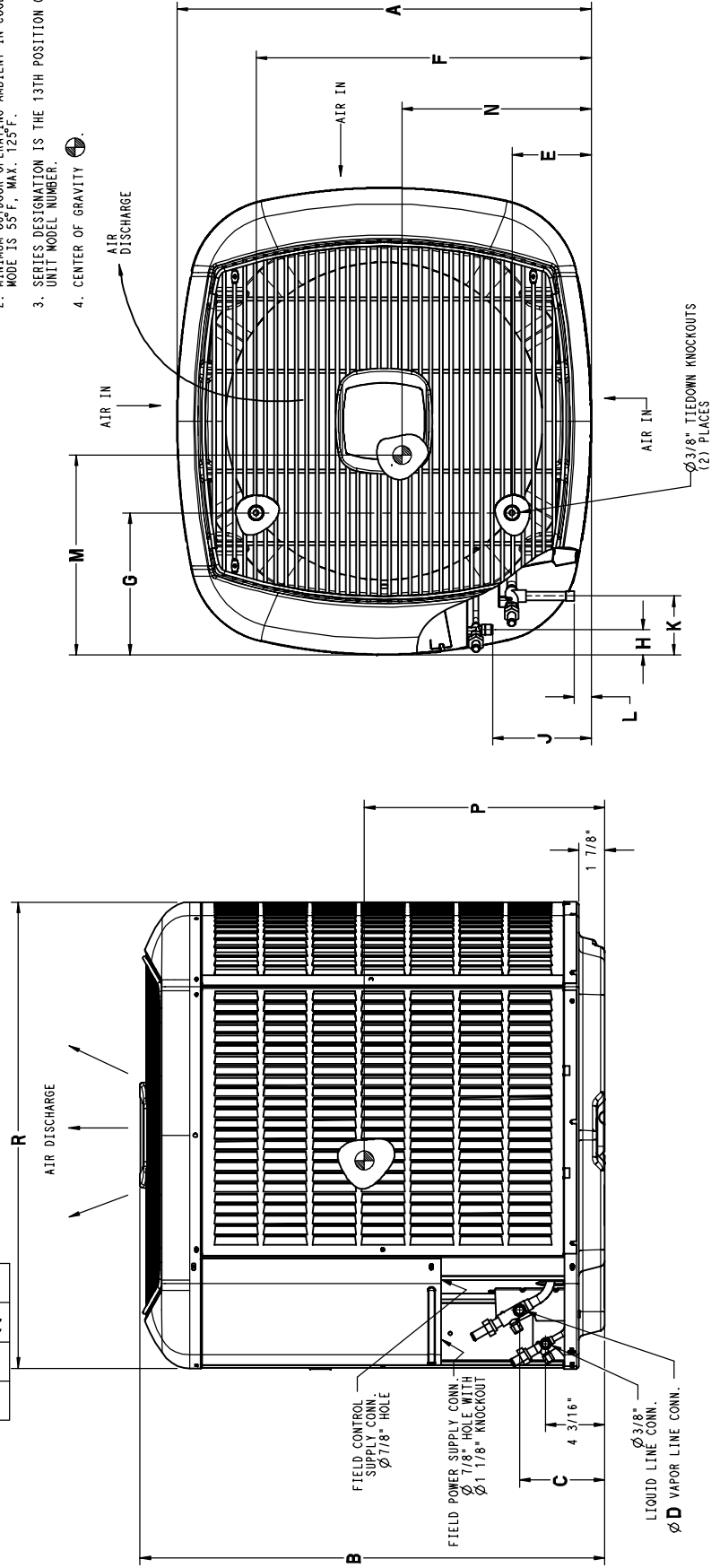
DIMENSIONS

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X = YES
O = NO

NOTES:

1. ALLOW 38" 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.

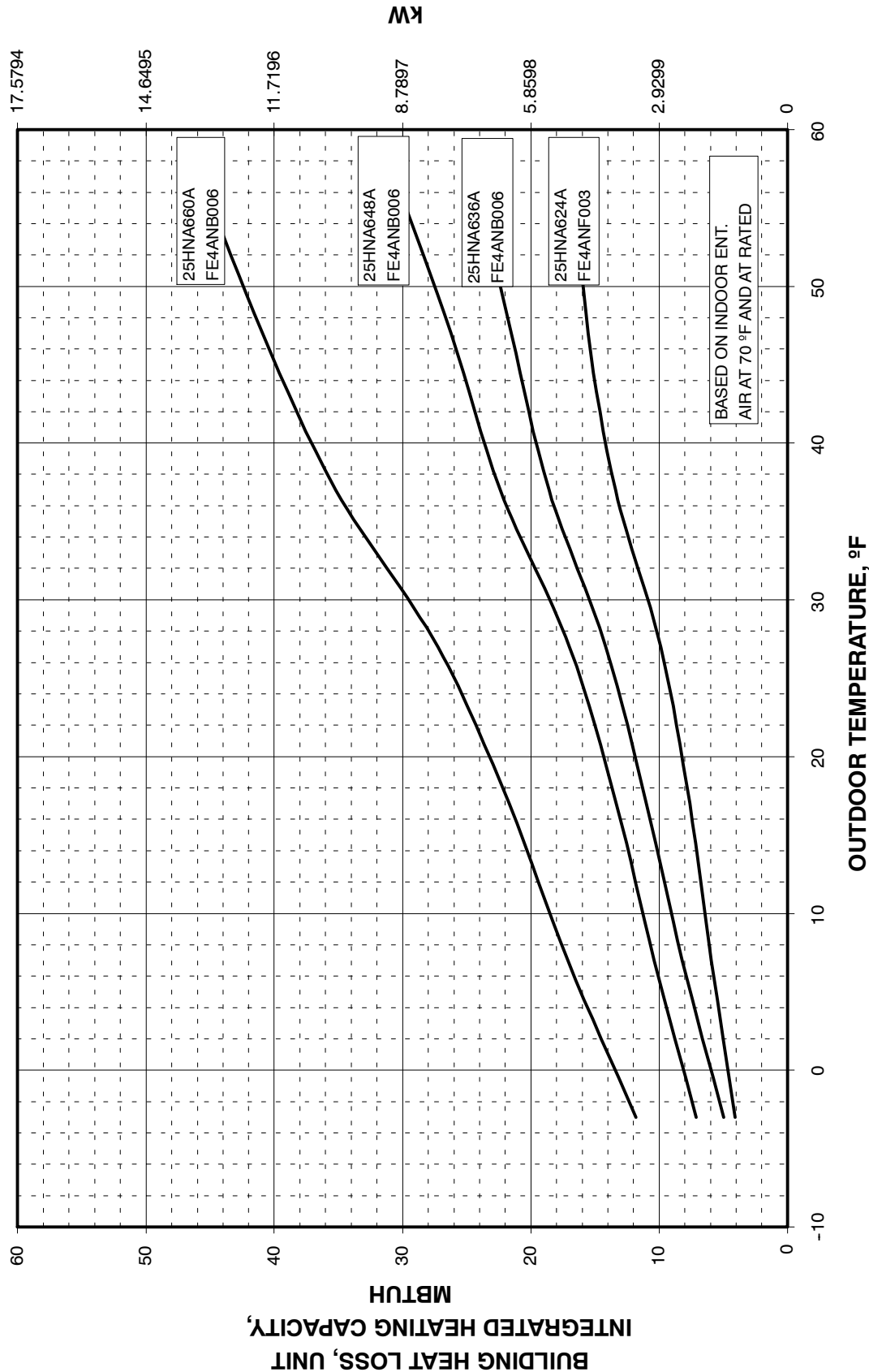


UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
-	29 1/2" X 33"
24, 36, 48, 60	36 1/2" X 40"

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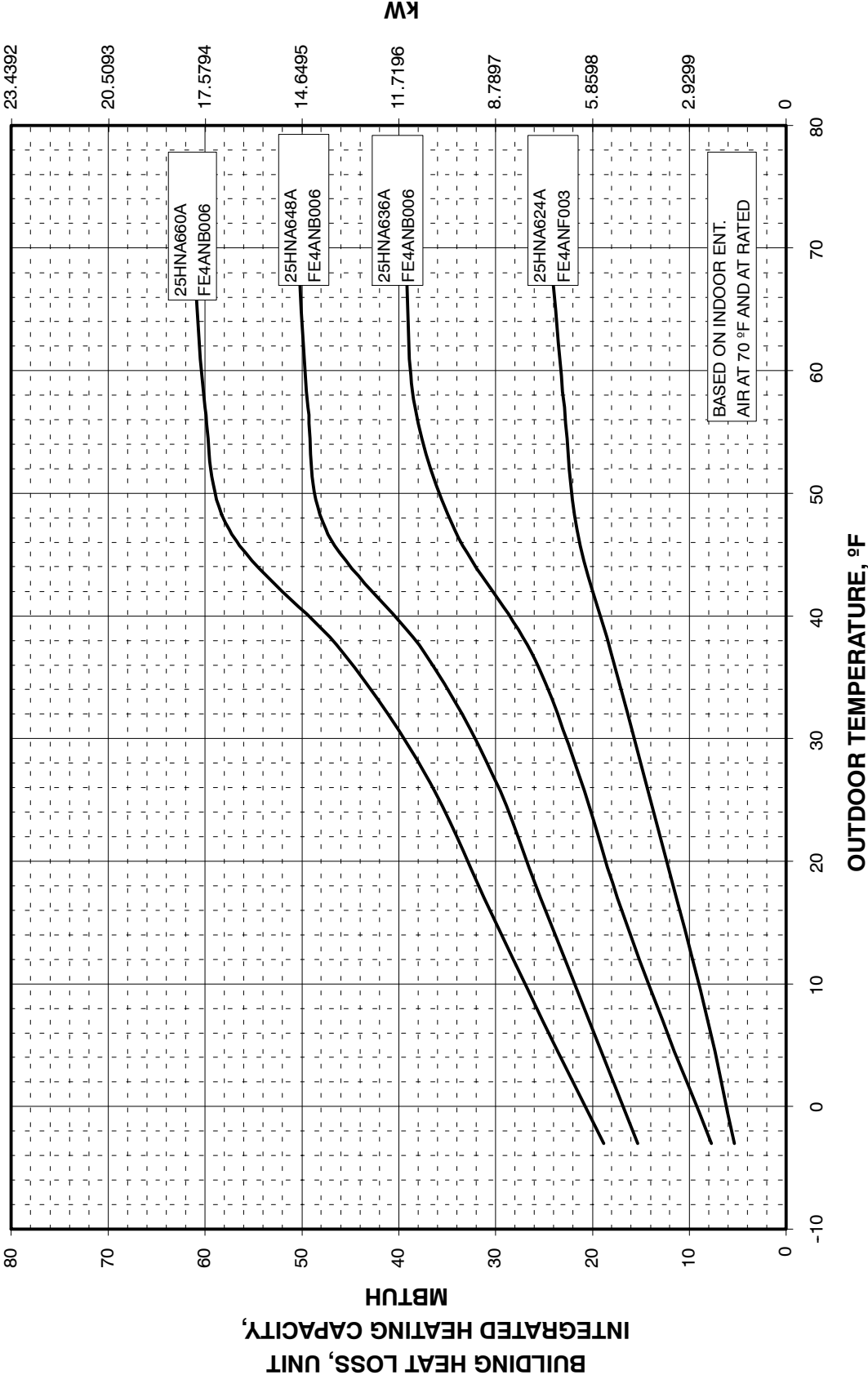
25HNA6 BALANCE POINT WORKSHEET

Low-Stage



25HNA6 BALANCE POINT WORKSHEET

High-Stage



COMBINATION RATINGS

Unit Size – Series	Indoor Model	Cooling Capac- ity		ARI Standard Ratings														Furnace Model
				Cooling				Heating										
				SEER	EER	ID CFM		High Temp				Low Temp				HSPF		
		High	Low			Capacity		COP		Capacity		COP						
		High	Low			High	Low	High	Low	High	Low	High	Low	High	Low			
24–30	*FE4ANF003	24000	14400	15	11.4	700	490	21600	13400	3.38	3.48	12400	6500	2.4	1.92	8.5		
	FE4ANF002	23800	14400	14.5	11.2	700	490	22000	13400	3.4	3.48	12500	6500	2.4	1.92	8.4		
	FV4BNF002	24000	14200	14.5	11.3	735	440	21400	13200	3.38	3.36	12600	6400	2.4	1.88	8.3		
	FV4BNF003	24000	14200	14.8	11.5	735	440	21200	13000	3.36	3.36	12500	6300	2.42	1.88	8.3		
	CAP**2414A**	23200	14400	14	10.9	700	525	24000	13400	3.46	3.38	12200	6500	2.32	1.9	8	58CV(A,X)070–12	
	CAP**2417A**	23400	14400	14.5	11.1	700	525	24000	13400	3.5	3.42	12200	6600	2.34	1.9	8.1	58CV(A,X)090–16	
	CAP**2417A**	23400	14400	14.5	11	700	525	24000	13400	3.48	3.4	12200	6500	2.32	1.9	8.1	58MVB060–14	
	CAP**3014A**	23600	14400	14.5	11	700	525	23000	13400	3.36	3.42	12300	6600	2.32	1.9	8.1	58CV(A,X)070–12	
	CAP**3017A**	23600	14400	14.5	11.2	700	525	22800	13600	3.38	3.46	12200	6600	2.36	1.92	8.2	58CV(A,X)090–16	
	CAP**3017A**	23600	14400	14.5	11.1	700	525	22800	13600	3.36	3.44	12200	6600	2.34	1.9	8.2	58MVB060–14	
	CAP**3614A**	23600	14400	14.5	11.1	700	525	21800	13600	3.32	3.46	12300	6600	2.34	1.9	8.3	58CV(A,X)070–12	
	CAP**3614A**	23800	14600	14.5	11.2	700	525	21600	13600	3.34	3.5	12300	6600	2.36	1.92	8.3	58CV(A,X)090–16	
	CAP**3614A**	23800	14400	14.5	11.1	700	525	21800	13600	3.32	3.48	12300	6600	2.36	1.92	8.3	58MVB060–14	
	CAP**3617A**	23600	14400	14.5	11.1	700	525	21800	13600	3.32	3.46	12300	6600	2.34	1.9	8.3	58CV(A,X)070–12	
	CAP**3617A**	23800	14600	14.5	11.2	700	525	21600	13600	3.34	3.5	12300	6600	2.36	1.92	8.4	58CV(A,X)090–16	
	CAP**3617A**	23800	14600	14.5	11.2	700	525	21600	13600	3.34	3.48	12300	6600	2.36	1.92	8.4	58MVB060–14	
	CAP**3617A**	23800	14600	14.5	11.2	700	525	21600	13600	3.32	3.5	12400	6600	2.36	1.92	8.4	58MVB080–14	
	CAP**3621A**	23800	14600	14.5	11.3	700	525	21600	13600	3.34	3.52	12300	6600	2.38	1.92	8.4	58CV(A,X)090–16	
	CAP**3621A**	23800	14600	14.5	11.2	700	525	21600	13600	3.32	3.48	12300	6600	2.36	1.92	8.4	58MVB040–14	
	CAP**3621A**	23800	14600	14.5	11.2	700	525	21600	13600	3.34	3.5	12300	6500	2.36	1.92	8.4	58MVB060–14	
	CAP**3621A**	23800	14600	14.5	11.2	700	525	21600	13600	3.32	3.5	12300	6600	2.36	1.92	8.4	58MVB080–14	
	CNPH*2417A**	23200	14400	14	10.9	700	525	24000	13600	3.52	3.44	12400	6600	2.34	1.9	8.1	58CV(A,X)070–12	
	CNPH*2417A**	23400	14400	14	11	700	525	24000	13600	3.52	3.46	12400	6600	2.36	1.92	8.2	58CV(A,X)090–16	
	CNPH*2417A**	23400	14400	14	10.9	700	525	24000	13600	3.5	3.44	12400	6600	2.34	1.9	8.2	58MVB040–14	
	CNPH*2417A**	23200	14400	14	10.9	700	525	24000	13600	3.52	3.44	12400	6600	2.34	1.9	8.2	58MVB060–14	
	CNPH*2417A**	23400	14400	14	10.9	700	525	24000	13600	3.5	3.46	12400	6600	2.34	1.9	8.2	58MVB080–14	
	CNPH*3017A**	23600	14400	14.5	11.1	700	525	22600	13600	3.36	3.44	12300	6600	2.34	1.9	8.2	58CV(A,X)070–12	
	CNPH*3017A**	23800	14600	14.5	11.2	700	525	22400	13600	3.36	3.48	12300	6600	2.36	1.92	8.3	58CV(A,X)090–16	
	CNPH*3017A**	23800	14400	14.5	11.1	700	525	22400	13600	3.34	3.44	12300	6600	2.34	1.9	8.3	58MVB040–14	
	CNPH*3017A**	23600	14400	14.5	11.1	700	525	22400	13600	3.36	3.46	12300	6600	2.34	1.92	8.3	58MVB060–14	
	CNPH*3017A**	23800	14600	14.5	11.1	700	525	22400	13600	3.34	3.46	12300	6600	2.34	1.92	8.3	58MVB080–14	
	CNPH*3617A**	23600	14400	14.5	11.1	700	525	22600	13600	3.36	3.44	12300	6600	2.34	1.9	8.2	58CV(A,X)070–12	
	CNPH*3617A**	23800	14600	14.5	11.2	700	525	22400	13600	3.36	3.48	12300	6600	2.36	1.92	8.3	58CV(A,X)090–16	
	CNPH*3617A**	23800	14400	14.5	11.1	700	525	22400	13600	3.34	3.44	12300	6600	2.34	1.9	8.3	58MVB040–14	
	CNPH*3617A**	23600	14400	14.5	11.1	700	525	22400	13600	3.36	3.46	12300	6600	2.34	1.92	8.3	58MVB060–14	
	CNPH*3617A**	23800	14600	14.5	11.1	700	525	22400	13600	3.34	3.46	12300	6600	2.34	1.92	8.3	58MVB080–14	
	CNPV*2414A**	23200	14400	14	10.9	700	525	24000	13600	3.52	3.44	12400	6600	2.34	1.9	8.1	58CV(A,X)070–12	
	CNPV*2417A**	23400	14400	14	11	700	525	24000	13600	3.52	3.46	12400	6600	2.36	1.92	8.2	58CV(A,X)090–16	
	CNPV*2417A**	23200	14400	14	10.9	700	525	24000	13600	3.52	3.44	12400	6600	2.34	1.9	8.2	58MVB060–14	
	CNPV*3014A**	23600	14400	14.5	11	700	525	22600	13600	3.34	3.44	12300	6600	2.34	1.9	8.1	58CV(A,X)070–12	
	CNPV*3017A**	23800	14600	14.5	11.2	700	525	22400	13600	3.36	3.48	12300	6600	2.36	1.92	8.3	58CV(A,X)090–16	
	CNPV*3017A**	23600	14400	14.5	11.1	700	525	22400	13600	3.36	3.46	12300	6600	2.34	1.92	8.3	58MVB060–14	
	CNPV*3617A**	23600	14400	14.5	11.1	700	525	22600	13600	3.36	3.44	12300	6600	2.34	1.9	8.2	58CV(A,X)070–12	
	CNPV*3617A**	23800	14600	14.5	11.2	700	525	22400	13600	3.36	3.48	12300	6600	2.36	1.92	8.3	58CV(A,X)090–16	
	CNPV*3617A**	23600	14400	14.5	11.1	700	525	22400	13600	3.36	3.46	12300	6600	2.34	1.92	8.3	58MVB060–14	
	CNPV*3617A**	23800	14600	14.5	11.1	700	525	22400	13600	3.34	3.46	12300	6600	2.34	1.92	8.3	58MVB080–14	
CNPV*3621A**	23800	14600	14.5	11.2	700	525	22400	13600	3.36	3.48	12300	6600	2.36	1.92	8.3	58CV(A,X)090–16		
CNPV*3621A**	23800	14400	14.5	11.1	700	525	22400	13600	3.34	3.46	12300	6600	2.34	1.9	8.3	58MVB040–14		
CNPV*3621A**	23600	14400	14.5	11.1	700	525	22400	13600	3.36	3.46	12300	6600	2.34	1.92	8.3	58MVB060–14		
CNPV*3621A**	23800	14600	14.5	11.1	700	525	22400	13600	3.34	3.46	12300	6600	2.34	1.92	8.3	58MVB080–14		
CSPH*2412A**	23600	14400	14	11	700	525	24000	13600	3.46	3.42	12400	6600	2.34	1.9	8.1	58CV(A,X)070–12		
CSPH*2412A**	23600	14400	14.5	11.1	700	525	23800	13600	3.46	3.46	12400	6600	2.36	1.9	8.2	58CV(A,X)090–16		
CSPH*2412A**	23600	14400	14	11	700	525	23600	13600	3.44	3.44	12500	6600	2.34	1.9	8.2	58MVB040–14		
CSPH*2412A**	23600	14400	14.5	11	700	525	23800	13600	3.46	3.44	12400	6600	2.34	1.9	8.2	58MVB060–14		
CSPH*2412A**	23600	14400	14.5	11	700	525	23600	13600	3.44	3.44	12500	6600	2.34	1.9	8.2	58MVB080–14		
CSPH*3012A**	23800	14400	14.5	11.1	700	525	22000	13600	3.32	3.42	12300	6600	2.34	1.9	8.3	58CV(A,X)070–12		
CSPH*3012A**	23800	14600	14.5	11.2	700	525	21800	13600	3.34	3.46	12300	6600	2.36	1.9	8.3	58CV(A,X)090–16		
CSPH*3012A**	23800	14400	14.5	11.1	700	525	21800	13600	3.3	3.44	12400	6600	2.34	1.9	8.3	58MVB040–14		
CSPH*3012A**	23800	14600	14.5	11.1	700	525	21800	13600	3.32	3.44	12300	6600	2.34	1.9	8.3	58MVB060–14		
CSPH*3012A**	23800	14600	14.5	11.1	700	525	21800	13600	3.3	3.46	12400	6600	2.34	1.9	8.3	58MVB080–14		

See notes on pg. 15

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Cooling Capacity		ARI Standard Ratings														Furnace Model
				Cooling				Heating										
				SEER	EER	ID CFM		High Temp				Low Temp				HSPF		
						High	Low	Capacity		COP		Capacity		COP				
High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low			
24–30	CSPH*3612A**	24000	14600	14.5	11.3	700	525	19600	13800	3.24	3.52	12500	6600	2.38	1.92	8.5	58CV(A,X)070–12	
	CSPH*3612A**	24000	14600	14.5	11.4	700	525	19400	13800	3.24	3.56	12500	6600	2.4	1.92	8.6	58CV(A,X)090–16	
	CSPH*3612A**	24000	14600	14.5	11.3	700	525	19200	13800	3.22	3.54	12500	6600	2.4	1.92	8.6	58MVB040–14	
	CSPH*3612A**	24000	14600	14.5	11.3	700	525	19400	13800	3.24	3.54	12500	6600	2.4	1.92	8.6	58MVB060–14	
	CSPH*3612A**	24000	14600	14.5	11.3	700	525	19200	13800	3.22	3.54	12500	6600	2.4	1.92	8.6	58MVB080–14	
36–30	*FE4ANB006	35800	20800	16.5	12.6	1050	735	34200	18600	3.9	3.84	19100	9000	2.66	2.06	9		
	FE4ANF002	33600	19800	15	11.5	1050	735	33000	18200	3.54	3.6	18900	9000	2.5	1.98	8.5		
	FE4ANF003	34000	20000	15.5	11.9	1050	735	32600	18000	3.58	3.62	18600	8800	2.54	1.98	8.6		
	FE4ANF005	35400	20600	16.2	12.4	1050	735	33800	18400	3.78	3.76	19000	9000	2.62	2.04	8.8		
	FE5ANB004	35800	20800	16.6	12.6	1050	735	34400	18600	3.92	3.84	19100	9000	2.66	2.06	9		
	FV4BNB006	36000	20400	16	12.6	1100	660	34400	18000	3.92	3.7	19200	8700	2.68	2	8.9		
	FV4BNF002	33800	19600	15	11.4	1100	660	33400	17600	3.54	3.5	19100	8700	2.5	1.94	8.4		
	FV4BNF003	34200	19600	15	11.9	1100	660	32800	17600	3.6	3.52	18800	8600	2.54	1.94	8.5		
	FV4BNF005	35600	20200	16	12.4	1100	660	34200	18000	3.82	3.64	19200	8700	2.62	1.98	8.7		
	CAP**3614A**	33400	19600	14.5	11.4	1050	700	32800	17800	3.46	3.48	18900	8700	2.48	1.92	8.3	58CV(A,X)070–12	
	CAP**3614A**	33400	19600	13	10.8	1050	700	33600	19200	3.38	3.4	19700	9900	2.42	1.9	8.2		
	CAP**3617A**	33600	19800	15	11.7	1050	700	32600	17800	3.52	3.52	18600	8700	2.5	1.94	8.4	58CV(A,X)090–16	
	CAP**3617A**	33600	19600	15	11.6	1050	700	32600	17800	3.5	3.5	18700	8700	2.5	1.94	8.4	58MVB060–14	
	CAP**3617A**	33800	19800	13	10.7	1200	900	34200	19600	3.42	3.44	20000	10100	2.42	1.9	8.3		
	CAP**3621A**	33800	19800	15	11.7	1050	700	32600	17800	3.54	3.54	18600	8700	2.52	1.96	8.5	58CV(A,X)110–20	
	CAP**3621A**	33400	19800	15	11.4	1050	700	32600	17800	3.46	3.52	18800	8700	2.48	1.94	8.4	58MVB080–14	
	CAP**3621A**	33600	19600	15	11.6	1050	700	32600	17800	3.5	3.5	18700	8700	2.5	1.94	8.4	58MVB080–20	
	CAP**3621A**	33600	19800	15	11.6	1050	700	32600	17800	3.52	3.52	18700	8800	2.5	1.94	8.4	58MVB100–20	
	CAP**3621A**	33800	19800	13	10.7	1200	900	34200	19600	3.42	3.44	20000	10100	2.42	1.9	8.3		
	CAP**4221A**	34000	19800	15	11.8	1050	700	32800	17800	3.56	3.56	18700	8800	2.54	1.96	8.5	58CV(A,X)110–20	
	CAP**4221A**	33800	19800	15	11.5	1050	700	32800	17800	3.5	3.54	18900	8800	2.5	1.96	8.4	58MVB080–14	
	CAP**4221A**	33800	19800	15	11.6	1050	700	32800	17800	3.54	3.54	18800	8800	2.52	1.96	8.5	58MVB080–20	
	CAP**4221A**	34000	19900	15	11.7	1050	700	32800	18000	3.54	3.56	18800	8800	2.52	1.96	8.5	58MVB100–20	
	CAP**4221A**	34200	20000	13	10.8	1200	900	34400	19600	3.46	3.46	20200	10200	2.44	1.92	8.3		
	CAP**4224A**	34000	19800	15.5	11.9	1050	700	32600	17800	3.58	3.56	18600	8700	2.54	1.96	8.5	58CV(A,X)135–22	
	CAP**4224A**	34200	19800	15.5	12	1050	700	32600	17800	3.62	3.56	18600	8700	2.56	1.96	8.5	58CV(A,X)155–22	
	CAP**4224A**	33800	19800	15	11.6	1050	700	32800	17800	3.52	3.54	18800	8800	2.5	1.96	8.5	58MVB040–14	
	CAP**4224A**	34000	19800	15	11.8	1050	700	32600	17800	3.56	3.52	18700	8700	2.52	1.94	8.5	58MVB120–20	
	CAP**4224A**	34200	20000	13	10.8	1200	900	34400	19600	3.46	3.46	20200	10200	2.44	1.92	8.3		
	CAP**4817A**	34600	20000	15	11.8	1050	700	33800	18000	3.66	3.6	19200	8900	2.56	1.98	8.6	58CV(A,X)070–12	
CAP**4817A**	34800	20200	15.5	12	1050	700	33800	18200	3.7	3.64	19100	8900	2.58	1.98	8.7	58CV(A,X)090–16		
CAP**4817A**	35000	20200	15.5	12	1050	700	33800	18200	3.72	3.64	19100	8900	2.58	1.98	8.7	58CV(A,X)110–20		
CAP**4817A**	34800	20200	15.5	11.9	1050	700	33800	18200	3.68	3.62	19100	8900	2.56	1.98	8.6	58MVB060–14		
CAP**4817A**	34600	20200	15	11.7	1050	700	33800	18200	3.64	3.62	19300	8900	2.54	1.98	8.6	58MVB080–14		
CAP**4817A**	34800	20200	15.5	11.9	1050	700	33800	18200	3.68	3.62	19200	8900	2.56	1.98	8.7	58MVB080–20		
CAP**4817A**	34800	20200	15.5	11.9	1050	700	33800	18300	3.68	3.64	19200	8900	2.56	1.98	8.7	58MVB100–20		
CAP**4817A**	35200	20400	13.5	11.1	1200	900	35800	20000	3.64	3.58	20400	10300	2.48	1.96	8.6			
CAP**4821A**	34600	20000	15.5	12	1050	700	33200	18000	3.66	3.62	18900	8800	2.58	1.98	8.6	58CV(A,X)090–16		
CAP**4821A**	34600	20000	15.5	12	1050	700	33400	18000	3.66	3.62	19000	8800	2.58	1.98	8.6	58CV(A,X)110–20		
CAP**4821A**	34600	20000	15.5	12.1	1050	700	33200	18000	3.68	3.62	18900	8800	2.58	1.98	8.7	58CV(A,X)135–22		
CAP**4821A**	34800	20000	15.5	12.2	1050	700	33200	18000	3.7	3.62	18800	8800	2.6	1.98	8.7	58CV(A,X)155–22		
CAP**4821A**	34400	20000	15.5	11.7	1050	700	33400	18000	3.6	3.6	19100	8800	2.54	1.98	8.6	58MVB040–14		
CAP**4821A**	34400	20000	15.5	11.9	1050	700	33400	18000	3.64	3.6	19000	8800	2.56	1.98	8.6	58MVB060–14		
CAP**4821A**	34400	20000	15	11.7	1050	700	33400	18000	3.6	3.6	19100	8900	2.54	1.98	8.6	58MVB080–14		
CAP**4821A**	34400	20000	15	11.8	1050	700	33400	18000	3.62	3.6	19000	8800	2.56	1.98	8.6	58MVB080–20		
CAP**4821A**	34600	20000	15.5	11.9	1050	700	33400	18000	3.64	3.62	19000	8900	2.56	1.98	8.6	58MVB100–20		
CAP**4821A**	34400	20000	15.5	11.9	1050	700	33200	18000	3.64	3.58	18900	8800	2.56	1.96	8.6	58MVB120–20		
CAP**4821A**	34800	20200	13.5	11	1200	900	35200	19800	3.56	3.54	20400	10300	2.46	1.94	8.5			
CAP**4824A**	34600	20000	15.5	12	1050	700	33400	18000	3.66	3.62	19000	8800	2.58	1.98	8.6	58CV(A,X)110–20		
CAP**4824A**	34600	20000	15.5	12.1	1050	700	33200	18000	3.68	3.62	18900	8800	2.58	1.98	8.7	58CV(A,X)135–22		
CAP**4824A**	34800	20000	15.5	12.2	1050	700	33200	18000	3.7	3.62	18800	8800	2.6	1.98	8.7	58CV(A,X)155–22		
CAP**4824A**	34400	20000	15	11.7	1050	700	33400	18000	3.6	3.6	19100	8900	2.54	1.98	8.6	58MVB040–14		
CAP**4824A**	34400	20000	15	11.7	1050	700	33400	18000	3.6	3.6	19100	8900	2.54	1.98	8.6	58MVB080–14		
CAP**4824A**	34400	20000	15	11.8	1050	700	33400	18000	3.62	3.58	19000	8800	2.56	1.98	8.6	58MVB080–20		
CAP**4824A**	34600	20000	15.5	11.9	1050	700	33400	18000	3.64	3.62	19000	8900	2.56	1.98	8.6	58MVB100–20		
CAP**4824A**	34400	20000	15	11.9	1050	700	33200	18000	3.64	3.58	18900	8800	2.56	1.96	8.6	58MVB120–20		
CAP**4824A**	34800	20200	13.5	11	1200	900	35200	19800	3.56	3.54	20400	10300	2.46	1.94	8.5			
CNPF*3618A**	33800	19800	13	10.7	1200	900	34000	19400	3.4	3.44	20000	1010						

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Cooling Capacity		ARI Standard Ratings												Furnace Model	
				Cooling				Heating									
		SEER	EER	ID CFM		High Temp				Low Temp				HSPF			
				High	Low	Capacity		COP		Capacity		COP					
High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low				
36 – 30	CNPF*4818A**	34600	20200	13.5	10.9	1200	900	34800	19800	3.5	3.52	20200	10300	2.46	1.94	8.4	
	CNPH*3617A**	33400	19600	14.5	11.4	1050	700	32600	17800	3.44	3.48	18800	8700	2.46	1.92	8.3	58CV(A,X)070 – 12
	CNPH*3617A**	33600	19600	15	11.6	1050	700	32400	17800	3.48	3.5	18700	8700	2.5	1.94	8.5	58CV(A,X)090 – 16
	CNPH*3617A**	33600	19600	15	11.6	1050	700	32600	17800	3.5	3.5	18700	8700	2.5	1.94	8.4	58CV(A,X)110 – 20
	CNPH*3617A**	33600	19600	15	11.6	1050	700	32400	17800	3.5	3.52	18600	8700	2.5	1.94	8.5	58CV(A,X)135 – 22
	CNPH*3617A**	33600	19600	15	11.7	1050	700	32400	17800	3.52	3.52	18600	8700	2.52	1.94	8.5	58CV(A,X)155 – 22
	CNPH*3617A**	33400	19600	14.5	11.3	1050	700	32600	17800	3.44	3.5	18800	8800	2.46	1.94	8.3	58MVB040 – 14
	CNPH*3617A**	33400	19600	15	11.5	1050	700	32600	17800	3.46	3.48	18700	8700	2.48	1.94	8.4	58MVB060 – 14
	CNPH*3617A**	33400	19600	14.5	11.3	1050	700	32600	17800	3.42	3.5	18800	8800	2.46	1.94	8.3	58MVB080 – 14
	CNPH*3617A**	33400	19600	15	11.4	1050	700	32600	17800	3.46	3.5	18800	8700	2.48	1.94	8.4	58MVB080 – 20
	CNPH*3617A**	33600	19600	15	11.5	1050	700	32600	17800	3.48	3.5	18700	8800	2.48	1.94	8.4	58MVB100 – 20
	CNPH*3617A**	33400	19600	15	11.5	1050	700	32400	17800	3.48	3.48	18700	8700	2.48	1.92	8.5	58MVB120 – 20
	CNPH*3617A**	33800	19800	13	10.7	1200	900	34000	19400	3.4	3.44	20000	10100	2.42	1.9	8.3	
	CNPH*4221A**	34000	19800	15	11.7	1050	700	32800	17800	3.56	3.54	18800	8700	2.52	1.96	8.5	58CV(A,X)070 – 12
	CNPH*4221A**	34200	19800	15.5	12	1050	700	32600	17800	3.6	3.58	18600	8700	2.56	1.98	8.6	58CV(A,X)090 – 16
	CNPH*4221A**	34200	19800	15.5	12	1050	700	32800	17800	3.62	3.58	18600	8700	2.56	1.96	8.6	58CV(A,X)110 – 20
	CNPH*4221A**	34200	19800	15.5	12.1	1050	700	32600	17800	3.62	3.58	18500	8700	2.58	1.98	8.6	58CV(A,X)135 – 22
	CNPH*4221A**	34200	19800	15.5	12.2	1050	700	32600	17800	3.64	3.58	18500	8700	2.58	1.98	8.6	58CV(A,X)155 – 22
	CNPH*4221A**	34000	19800	15.5	11.7	1050	700	32800	17800	3.56	3.58	18700	8700	2.52	1.98	8.5	58MVB040 – 14
	CNPH*4221A**	34000	19800	15	11.9	1050	700	32600	17800	3.58	3.56	18600	8700	2.54	1.96	8.5	58MVB060 – 14
	CNPH*4221A**	34000	19800	15	11.7	1050	700	32800	17800	3.54	3.58	18700	8700	2.52	1.96	8.5	58MVB080 – 14
	CNPH*4221A**	34000	19800	15	11.8	1050	700	32800	17800	3.56	3.54	18700	8800	2.54	1.96	8.5	58MVB080 – 20
	CNPH*4221A**	34000	19800	15	11.9	1050	700	32800	18000	3.58	3.56	18700	8800	2.54	1.96	8.5	58MVB100 – 20
	CNPH*4221A**	34000	19800	15	12	1050	700	32600	17800	3.6	3.54	18600	8700	2.56	1.96	8.5	58MVB120 – 20
	CNPH*4221A**	34200	20000	13	10.8	1200	900	34400	19600	3.46	3.48	20200	10200	2.44	1.92	8.4	
	CNPH*4821A**	34400	20000	15	11.8	1050	700	33400	18000	3.62	3.58	19100	8800	2.54	1.96	8.6	58CV(A,X)070 – 12
	CNPH*4821A**	34600	20000	15.5	12	1050	700	33200	18000	3.66	3.62	18900	8800	2.58	1.98	8.6	58CV(A,X)090 – 16
	CNPH*4821A**	34600	20200	15.5	12	1050	700	33400	18000	3.66	3.62	19000	8800	2.58	1.98	8.7	58CV(A,X)110 – 20
	CNPH*4821A**	34600	20200	15.5	12	1050	700	33200	18000	3.68	3.64	18900	8800	2.58	1.98	8.7	58CV(A,X)135 – 22
	CNPH*4821A**	34800	20200	15.5	12.2	1050	700	33200	18000	3.7	3.64	18800	8800	2.6	2	8.7	58CV(A,X)155 – 22
	CNPH*4821A**	34400	20000	15.5	11.7	1050	700	33400	18000	3.6	3.62	19100	8900	2.54	1.98	8.6	58MVB040 – 14
	CNPH*4821A**	34600	20000	15.5	11.9	1050	700	33200	18000	3.64	3.6	19000	8800	2.56	1.98	8.6	58MVB060 – 14
	CNPH*4821A**	34400	20000	15	11.7	1050	700	33400	18000	3.6	3.6	19100	8900	2.54	1.98	8.6	58MVB080 – 14
	CNPH*4821A**	34600	20000	15.5	11.8	1050	700	33400	18000	3.62	3.6	19000	8900	2.56	1.98	8.6	58MVB080 – 20
	CNPH*4821A**	34600	20200	15.5	11.9	1050	700	33400	18000	3.64	3.62	19000	8900	2.56	1.98	8.6	58MVB100 – 20
	CNPH*4821A**	34600	20000	15.5	12	1050	700	33200	18000	3.64	3.58	18900	8800	2.56	1.98	8.6	58MVB120 – 20
	CNPH*4821A**	34800	20200	13.5	11	1200	900	35000	19800	3.54	3.54	20400	10300	2.46	1.94	8.5	
	CNPV*3617A**	33600	19600	15	11.6	1050	700	32400	17800	3.48	3.5	18700	8700	2.5	1.94	8.5	58CV(A,X)090 – 16
	CNPV*3617A**	33400	19600	15	11.5	1050	700	32600	17800	3.46	3.48	18700	8700	2.48	1.94	8.4	58MVB060 – 14
	CNPV*3617A**	33800	19800	13	10.7	1200	900	34000	19400	3.4	3.44	20000	10100	2.42	1.9	8.3	
	CNPV*3621A**	33600	19600	15	11.6	1050	700	32600	17800	3.5	3.5	18700	8700	2.5	1.94	8.4	58CV(A,X)110 – 20
	CNPV*3621A**	33400	19600	14.5	11.3	1050	700	32600	17800	3.42	3.5	18800	8800	2.46	1.94	8.3	58MVB080 – 14
	CNPV*3621A**	33400	19600	15	11.5	1050	700	32600	17800	3.46	3.5	18700	8700	2.48	1.94	8.4	58MVB080 – 20
	CNPV*3621A**	33600	19600	15	11.5	1050	700	32600	17800	3.48	3.5	18700	8800	2.48	1.94	8.4	58MVB100 – 20
	CNPV*3621A**	33800	19800	13	10.7	1200	900	34000	19400	3.4	3.44	20000	10100	2.42	1.9	8.3	
	CNPV*4221A**	34200	19800	15.5	12	1050	700	32800	17800	3.62	3.58	18600	8700	2.56	1.96	8.6	58CV(A,X)110 – 20
	CNPV*4221A**	34000	19800	15	11.7	1050	700	32800	17800	3.54	3.58	18700	8800	2.52	1.96	8.5	58MVB080 – 14
	CNPV*4221A**	34000	19800	15	11.8	1050	700	32800	17800	3.56	3.54	18700	8800	2.54	1.96	8.5	58MVB080 – 20
	CNPV*4221A**	34000	19800	15	11.9	1050	700	32800	18000	3.58	3.56	18700	8800	2.54	1.96	8.5	58MVB100 – 20
	CNPV*4221A**	34200	20000	13	10.8	1200	900	34400	19600	3.46	3.48	20200	10200	2.44	1.92	8.4	
	CNPV*4821A**	34600	20000	15.5	12	1050	700	33200	18000	3.66	3.62	18900	8800	2.58	1.98	8.6	58CV(A,X)090 – 16
	CNPV*4821A**	34600	20200	15.5	12	1050	700	33400	18000	3.66	3.62	19000	8800	2.58	1.98	8.7	58CV(A,X)110 – 20
	CNPV*4821A**	34600	20200	15.5	12.1	1050	700	33200	18000	3.68	3.64	18900	8800	2.58	1.98	8.7	58CV(A,X)135 – 22
	CNPV*4821A**	34800	20200	15.5	12.2	1050	700	33200	18000	3.7	3.64	18800	8800	2.6	2	8.7	58CV(A,X)155 – 22
	CNPV*4821A**	34400	20000	15.5	11.8	1050	700	33400	18000	3.6	3.62	19100	8900	2.54	1.98	8.6	58MVB040 – 14
	CNPV*4821A**	34600	20000	15.5	11.9	1050	700	33200	18000	3.64	3.6	19000	8800	2.56	1.98	8.6	58MVB060 – 14
	CNPV*4821A**	34400	20000	15	11.7	1050	700	33400	18000	3.6	3.6	19100	8900	2.54	1.98	8.6	58MVB080 – 14
	CNPV*4821A**	34600	20000	15.5	11.8	1050	700	33400	18000	3.62	3.6	19000	8900	2.56	1.98	8.6	58MVB080 – 20
	CNPV*4821A**	34600	20200	15.5	11.9	1050	700	33400	18200	3.64	3.62	19000	8900	2.56	1.98	8.6	58MVB100 – 20
	CNPV*4821A**	34600	20000	15.5	12	1050	700	33200	18000	3.64	3.58	18900	8800	2.56	1.98	8.6	58MVB120 – 20
	CNPV*4821A**	34800	20200	13.5	11	1200	900	35000	19800	3.54	3.54	20400	10300	2.46	1.94	8.5	
	CNPV*4824A**	34600	20200	15.5	12	1050	700	33400	18000	3.66	3.62						

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Cooling Capacity		ARI Standard Ratings														Furnace Model
				Cooling				Heating										
				SEER	EER	ID CFM		High Temp				Low Temp				HSPF		
		High	Low			Capacity		COP		Capacity		COP						
		High	Low			High	Low	High	Low	High	Low	High	Low	High	Low			
36–30	CNPV*4824A**	34600	20200	15.5	11.9	1050	700	33400	18200	3.64	3.62	19000	8900	2.56	1.98	8.6	58MVB100–20	
	CNPV*4824A**	34600	20000	15.5	12	1050	700	33200	18000	3.64	3.58	18900	8800	2.56	1.98	8.6	58MVB120–20	
	CNPV*4824A**	34800	20200	13.5	11	1200	900	35000	19800	3.54	3.54	20400	10300	2.46	1.94	8.5		
	CSPH*3612A**	34400	19800	15	11.7	1050	700	33200	18000	3.56	3.54	19100	8800	2.52	1.96	8.5	58CV(A,X)070–12	
	CSPH*3612A**	34400	20000	15.5	11.9	1050	700	33000	18000	3.6	3.58	18900	8800	2.54	1.96	8.6	58CV(A,X)090–16	
	CSPH*3612A**	34600	20000	15.5	11.9	1050	700	33200	18000	3.62	3.58	19000	8800	2.56	1.96	8.6	58CV(A,X)110–20	
	CSPH*3612A**	34600	20000	15.5	11.9	1050	700	33000	18000	3.62	3.58	18900	8800	2.56	1.96	8.6	58CV(A,X)135–22	
	CSPH*3612A**	34600	20000	15.5	12	1050	700	33000	18000	3.64	3.58	18800	8800	2.58	1.98	8.6	58CV(A,X)155–22	
	CSPH*3612A**	34200	20000	15	11.6	1050	700	33200	18000	3.56	3.56	19100	8900	2.52	1.96	8.5	58MVB040–14	
	CSPH*3612A**	34400	20000	15	11.8	1050	700	33200	18000	3.58	3.54	19000	8800	2.54	1.96	8.5	58MVB060–14	
	CSPH*3612A**	34200	20000	15	11.6	1050	700	33200	18000	3.54	3.56	19100	8900	2.5	1.96	8.5	58MVB080–14	
	CSPH*3612A**	34400	20000	15	11.7	1050	700	33200	18000	3.58	3.56	19000	8800	2.54	1.96	8.5	58MVB080–20	
	CSPH*3612A**	34400	20000	15	11.8	1050	700	33200	18000	3.6	3.58	19000	8900	2.54	1.96	8.5	58MVB100–20	
	CSPH*3612A**	34400	19800	15	11.8	1050	700	33000	17000	3.6	3.54	18900	8800	2.54	1.96	8.5	58MVB120–20	
	CSPH*3612A**	34800	20200	13.5	11	1200	900	34800	19800	3.52	3.52	20200	10300	2.46	1.94	8.4		
	CSPH*4212A**	34600	20000	15	11.8	1050	700	33400	18000	3.6	3.56	19100	8800	2.54	1.96	8.5	58CV(A,X)070–12	
	CSPH*4212A**	34600	20200	15.5	12	1050	700	33200	18000	3.64	3.6	19000	8800	2.56	1.98	8.6	58CV(A,X)090–16	
	CSPH*4212A**	34800	20200	15.5	12	1050	700	33400	18000	3.66	3.6	19000	8900	2.56	1.98	8.6	58CV(A,X)110–20	
	CSPH*4212A**	34800	20200	15.5	12	1050	700	33200	18000	3.66	3.6	18900	8800	2.58	1.98	8.6	58CV(A,X)135–22	
	CSPH*4212A**	34800	20200	15.5	12.2	1050	700	33200	18000	3.68	3.6	18900	8800	2.6	1.98	8.6	58CV(A,X)155–22	
	CSPH*4212A**	34600	20000	15	11.7	1050	700	33400	18000	3.58	3.58	19100	8900	2.52	1.98	8.6	58MVB040–14	
	CSPH*4212A**	34600	20000	15.5	11.9	1050	700	33200	18000	3.62	3.58	19000	8800	2.56	1.96	8.6	58MVB060–14	
	CSPH*4212A**	34400	20000	15	11.7	1050	700	33400	18000	3.58	3.58	19100	8900	2.52	1.96	8.6	58MVB080–14	
	CSPH*4212A**	34600	20000	15	11.8	1050	700	33400	18000	3.62	3.58	19100	8900	2.54	1.96	8.6	58MVB080–20	
	CSPH*4212A**	34600	20200	15.5	11.9	1050	700	33400	18000	3.62	3.6	19000	8900	2.56	1.98	8.6	58MVB100–20	
	CSPH*4212A**	34600	20000	15	11.9	1050	700	33200	18000	3.62	3.56	19000	8800	2.56	1.96	8.6	58MVB120–20	
	CSPH*4212A**	35000	20400	13.5	11	1200	900	35000	19800	3.56	3.54	20400	10300	2.46	1.94	8.5		
	CSPH*4812A**	34800	20000	15.5	11.8	1050	700	33600	18000	3.62	3.58	19200	8800	2.54	1.96	8.6	58CV(A,X)070–12	
	CSPH*4812A**	34800	20200	15.5	12	1050	700	33400	18000	3.66	3.62	19000	8800	2.58	1.98	8.6	58CV(A,X)090–16	
	CSPH*4812A**	35000	20200	15.5	12	1050	700	33400	18000	3.68	3.62	19100	8900	2.58	1.98	8.7	58CV(A,X)110–20	
	CSPH*4812A**	35000	20200	15.5	12	1050	700	33400	18000	3.68	3.62	19000	8800	2.58	1.98	8.7	58CV(A,X)135–22	
	CSPH*4812A**	35000	20200	15.5	12.2	1050	700	33400	18000	3.7	3.64	18900	8800	2.6	1.98	8.7	58CV(A,X)155–22	
	CSPH*4812A**	34600	20200	15.5	11.8	1050	700	33600	18000	3.62	3.6	19200	8900	2.54	1.98	8.6	58MVB040–14	
	CSPH*4812A**	34800	20200	15.5	11.9	1050	700	33400	18000	3.64	3.6	19100	8800	2.56	1.98	8.6	58MVB060–14	
	CSPH*4812A**	34600	20200	15.5	11.7	1050	700	33600	18000	3.6	3.6	19200	8900	2.54	1.98	8.6	58MVB080–14	
	CSPH*4812A**	34800	20200	15.5	11.9	1050	700	33400	18000	3.64	3.6	19100	8900	2.56	1.98	8.6	58MVB080–20	
CSPH*4812A**	34800	20200	15.5	11.9	1050	700	33400	18200	3.64	3.62	19100	8900	2.56	1.98	8.6	58MVB100–20		
CSPH*4812A**	34800	20000	15.5	12	1050	700	33400	18000	3.64	3.58	19000	8800	2.56	1.96	8.6	58MVB120–20		
CSPH*4812A**	35200	20400	13.5	11.1	1200	900	35200	19800	3.58	3.56	20400	10300	2.48	1.94	8.5			
*FE4ANB006	48000	24000	16.3	11.8	1400	880	47500	22400	3.7	3.88	27800	11400	2.72	2.22	9.3			
FE4ANF005	47000	24000	15.8	11.6	1400	880	47500	22200	3.62	3.82	27600	11400	2.66	2.18	9.1			
FV4BNB006	48000	24000	16	11.8	1470	880	46500	22400	3.66	3.88	28000	11400	2.74	2.22	9.3			
FV4BNF005	47500	24000	15.5	11.5	1470	880	48000	22200	3.6	3.82	28000	11400	2.66	2.18	9.1			
CAP**4817A**	46000	23600	15	11	1400	875	48500	22200	3.56	3.74	28000	11400	2.6	2.14	9	58CV(A,X)090–16		
CAP**4817A**	46000	23600	13.5	10.8	1400	1050	48000	23800	3.52	3.54	28600	12700	2.58	2.04	8.7			
CAP**4821A**	45500	23600	15	11.1	1400	875	47500	22200	3.5	3.72	27800	11400	2.6	2.14	8.9	58CV(A,X)110–20		
CAP**4821A**	45500	23400	15	10.9	1400	875	47500	22200	3.46	3.68	28000	11400	2.58	2.12	8.8	58MVB080–20		
CAP**4821A**	45500	23400	15	11	1400	875	47500	22000	3.48	3.7	27800	11400	2.58	2.14	8.9	58MVB100–20		
CAP**4821A**	46500	23600	13	10.6	1600	1200	48000	24000	3.5	3.54	29000	13000	2.56	2.04	8.7			
CAP**4824A**	46000	23600	15.5	11.2	1400	875	47500	22000	3.52	3.74	27600	11300	2.64	2.14	8.9	58CV(A,X)135–22		
CAP**4824A**	46000	23600	15.5	11.3	1400	875	47500	22000	3.54	3.74	27600	11300	2.64	2.16	9	58CV(A,X)155–22		
CAP**4824A**	45500	23400	15	11	1400	875	47500	22000	3.48	3.68	27800	11300	2.6	2.12	8.9	58MVB120–20		
CAP**4824A**	46500	23600	13	10.6	1600	1200	48000	24000	3.5	3.54	29000	13000	2.56	2.04	8.7			
CAP**6021A**	47000	23800	15.5	11.4	1400	875	47500	22200	3.56	3.78	27800	11400	2.64	2.16	9.1	58CV(A,X)110–20		
CAP**6021A**	47000	23800	15.5	11.2	1400	875	47500	22200	3.52	3.74	28000	11400	2.62	2.14	9	58MVB080–20		
CAP**6021A**	47000	23800	15.5	11.3	1400	875	47500	22200	3.54	3.76	28000	11400	2.62	2.16	9	58MVB100–20		
CAP**6021A**	47500	24000	13.5	10.9	1600	1200	46000	24000	3.4	3.58	29200	13100	2.58	2.04	8.8			
CAP**6024A**	47000	23800	15.5	11.5	1400	875	47500	22200	3.58	3.78	27800	11400	2.66	2.16	9.1	58CV(A,X)135–22		
CAP**6024A**	47000	23800	15.5	11.6	1400	875	47000	22200	3.6	3.8	27800	11300	2.68	2.18	9.1	58CV(A,X)155–22		
CAP**6024A**	47000	23800	15.5	11.2	1400	875	47500	22200	3.54	3.72	28000	11400	2.62	2.14	9	58MVB120–20		
CAP**6024A**	47500	24000	13.5	10.9	1600	1200	46000	24000	3.4	3.58	29200	13100	2.58	2.04	8.8			
CNPF*4818A**	45000	2																

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Cooling Capacity		ARI Standard Ratings														Furnace Model
				Cooling				Heating										
				SEER	EER	ID CFM		High Temp				Low Temp				HSPF		
		High	Low			Capacity		COP		Capacity		COP						
		High	Low			High	Low	High	Low	High	Low	High	Low	High	Low			
48–30	CNPH*4821A**	45500	23400	15	10.9	1400	875	47500	22200	3.44	3.68	27800	11400	2.58	2.12	8.8	58MVB080–20	
	CNPH*4821A**	45500	23600	15	11	1400	875	47500	22200	3.46	3.7	27800	11400	2.58	2.14	8.9	58MVB100–20	
	CNPH*4821A**	45500	23400	15	11	1400	875	47500	22000	3.46	3.7	27800	11300	2.6	2.14	8.9	58MVB120–20	
	CNPH*4821A**	46500	23800	13.5	10.7	1600	1200	48000	24000	3.46	3.54	29000	13000	2.56	2.04	8.7		
	CNPH*6024A**	47000	23800	15.5	11.3	1400	875	47500	22200	3.54	3.76	27800	11300	2.62	2.16	9	58CV(A,X)090–16	
	CNPH*6024A**	47000	23800	15.5	11.4	1400	875	47500	22200	3.56	3.78	27800	11400	2.64	2.16	9	58CV(A,X)110–20	
	CNPH*6024A**	47000	23800	15.5	11.5	1400	875	47500	22200	3.58	3.8	27600	11300	2.66	2.18	9.1	58CV(A,X)135–22	
	CNPH*6024A**	47000	23800	16	11.6	1400	875	47500	22200	3.6	3.8	27600	11300	2.68	2.18	9.1	58CV(A,X)155–22	
	CNPH*6024A**	46500	23800	15.5	11.2	1400	875	48000	22200	3.52	3.72	28000	11400	2.6	2.14	8.9	58MVB080–20	
	CNPH*6024A**	46500	23800	15.5	11.2	1400	875	48000	22200	3.54	3.76	28000	11400	2.62	2.16	9	58MVB100–20	
	CNPH*6024A**	46500	23800	15.5	11.3	1400	875	47500	22200	3.52	3.74	27800	11300	2.62	2.14	9	58MVB120–20	
	CNPH*6024A**	47500	24000	13.5	10.8	1600	1200	48000	24000	3.48	3.56	29000	13100	2.58	2.04	8.8		
	CNPV*4821A**	46000	23600	15.5	11.1	1400	875	47500	22200	3.48	3.74	27600	11400	2.6	2.14	8.9	58CV(A,X)110–20	
	CNPV*4821A**	45500	23400	15	10.9	1400	875	47500	22200	3.44	3.68	27800	11400	2.58	2.12	8.8	58MVB080–20	
	CNPV*4821A**	45500	23600	15	11	1400	875	47500	22200	3.46	3.7	27800	11400	2.58	2.14	8.9	58MVB100–20	
	CNPV*4821A**	46500	23800	13.5	10.7	1600	1200	48000	24000	3.46	3.54	29000	13000	2.56	2.04	8.7		
	CNPV*4824A**	46000	23600	15.5	11.3	1400	875	47000	22000	3.52	3.74	27600	11300	2.62	2.16	9	58CV(A,X)135–22	
	CNPV*4824A**	46000	23600	15.5	11.4	1400	875	47000	22000	3.54	3.76	27600	11300	2.64	2.16	9	58CV(A,X)155–22	
	CNPV*4824A**	45500	23400	15	11	1400	875	47500	22000	3.46	3.7	27800	11300	2.6	2.14	8.9	58MVB120–20	
	CNPV*4824A**	46500	23800	13.5	10.7	1600	1200	48000	24000	3.46	3.54	29000	13000	2.56	2.04	8.7		
	CNPV*6024A**	47000	23800	15.5	11.5	1400	875	47500	22200	3.58	3.8	27600	11300	2.66	2.18	9.1	58CV(A,X)135–22	
	CNPV*6024A**	47000	23800	16	11.6	1400	875	47500	22200	3.6	3.8	27600	11300	2.68	2.18	9.1	58CV(A,X)155–22	
	CNPV*6024A**	46500	23800	15.5	11.3	1400	875	47500	22200	3.52	3.74	27800	11300	2.62	2.14	9	58MVB120–20	
	CNPV*6024A**	47500	24000	13.5	10.8	1600	1200	48000	24000	3.48	3.56	29000	13100	2.58	2.04	8.8		
	CSPH*4812A**	46000	23600	15.5	11.1	1400	875	47500	22000	3.5	3.72	28000	11400	2.6	2.14	8.9	58CV(A,X)090–16	
	CSPH*4812A**	46500	23600	15.5	11.1	1400	875	47500	22200	3.5	3.72	28000	11400	2.6	2.14	8.9	58CV(A,X)110–20	
	CSPH*4812A**	46500	23600	15.5	11.3	1400	875	47500	22200	3.54	3.74	27800	11400	2.62	2.16	9	58CV(A,X)135–22	
	CSPH*4812A**	46500	23800	15.5	11.4	1400	875	47500	22000	3.56	3.76	27800	11300	2.64	2.16	9	58CV(A,X)155–22	
	CSPH*4812A**	46000	23600	15	11	1400	875	48000	22200	3.48	3.68	28000	11500	2.58	2.12	8.9	58MVB080–20	
	CSPH*4812A**	46000	23600	15	11	1400	875	48000	22200	3.48	3.7	28000	11400	2.6	2.14	8.9	58MVB100–20	
	CSPH*4812A**	46000	23600	15	11.1	1400	875	47500	22000	3.48	3.7	28000	11400	2.6	2.14	8.9	58MVB120–20	
	CSPH*4812A**	47000	23800	13.5	10.8	1600	1200	48000	24000	3.52	3.56	29000	13100	2.58	2.04	8.7		
	CSPH*6012A**	47000	23800	15.5	11.3	1400	875	48000	22200	3.6	3.76	28000	11400	2.64	2.16	9	58CV(A,X)090–16	
	CSPH*6012A**	47000	23800	15.5	11.4	1400	875	48000	22200	3.6	3.76	28000	11400	2.66	2.16	9	58CV(A,X)110–20	
CSPH*6012A**	47500	23800	15.5	11.6	1400	875	48000	22200	3.64	3.78	27800	11400	2.68	2.16	9.1	58CV(A,X)135–22		
CSPH*6012A**	47500	24000	16	11.7	1400	875	48000	22200	3.66	3.8	27800	11300	2.68	2.18	9.1	58CV(A,X)155–22		
CSPH*6012A**	47000	23800	15	11.2	1400	875	48000	22200	3.56	3.72	28000	11500	2.62	2.14	9	58MVB080–20		
CSPH*6012A**	47000	23800	15.5	11.3	1400	875	48000	22200	3.58	3.74	28000	11400	2.64	2.14	9	58MVB100–20		
CSPH*6012A**	47000	23800	15.5	11.3	1400	875	48000	22200	3.58	3.72	28000	11400	2.64	2.14	9	58MVB120–20		
CSPH*6012A**	48000	24000	13.5	10.9	1600	1200	48000	24000	3.5	3.58	29200	13100	2.6	2.04	8.8			
*FE4ANB006	60000	37000	15.3	11.1	1750	1225	57500	35200	3.48	3.78	34200	18800	2.64	2.36	9			
FV4BNB006	60000	36400	15	10.6	1835	1100	57000	34400	3.44	3.7	34600	18300	2.62	2.34	8.8			
CAP**6021A**	59500	36600	14.5	10.6	1750	1225	58000	35000	3.32	3.68	34400	18800	2.54	2.32	8.8	58CV(A,X)110–20		
CAP**6021A**	59000	36200	14	10.2	1750	1225	58500	35200	3.24	3.6	35000	19000	2.48	2.26	8.7	58MVB080–20		
CAP**6021A**	59000	36400	14.5	10.4	1750	1225	58000	35000	3.28	3.64	34600	18800	2.5	2.3	8.7	58MVB100–20		
CAP**6021A**	59500	36200	13.5	10.5	1750	1325	58000	36400	3.32	3.52	34800	20200	2.52	2.2	8.5			
CAP**6024A**	59500	36600	14.5	10.8	1750	1225	57500	34800	3.36	3.68	34200	18700	2.56	2.32	8.8	58CV(A,X)135–22		
CAP**6024A**	60000	36600	14.5	10.9	1750	1225	57500	34800	3.38	3.68	34200	18700	2.58	2.32	8.8	58CV(A,X)155–22		
CAP**6024A**	59000	36200	14.5	10.4	1750	1225	58000	34800	3.28	3.62	34600	18800	2.5	2.28	8.7	58MVB120–20		
CAP**6024A**	60000	36800	13	10.5	2000	1500	57000	37200	3.28	3.56	35400	20600	2.54	2.22	8.7			
CNPH*6024A**	59000	36400	14.5	10.6	1750	1225	58500	34800	3.34	3.66	34200	18700	2.52	2.3	8.7	58CV(A,X)110–20		
CNPH*6024A**	59500	36400	14.5	10.8	1750	1225	58500	34800	3.36	3.68	34000	18600	2.56	2.32	8.8	58CV(A,X)135–22		
CNPH*6024A**	59500	36400	15	10.9	1750	1225	58500	34600	3.38	3.68	34000	18600	2.58	2.32	8.8	58CV(A,X)155–22		
CNPH*6024A**	58500	36200	14	10.2	1750	1225	59000	35000	3.26	3.6	34800	18900	2.46	2.26	8.6	58MVB080–20		
CNPH*6024A**	59000	36400	14.5	10.3	1750	1225	59000	35000	3.28	3.62	34600	18800	2.48	2.28	8.7	58MVB100–20		
CNPH*6024A**	59000	36200	14.5	10.4	1750	1225	58500	34800	3.3	3.62	34400	18700	2.5	2.28	8.7	58MVB120–20		
CNPH*6024A**	60000	36600	13	10.4	2000	1500	59500	37200	3.32	3.54	35200	20600	2.52	2.2	8.6			
CNPV*6024A**	59500	36400	14.5	10.8	1750	1225	58500	34800	3.36	3.68	34000	18600	2.56	2.32	8.8	58CV(A,X)135–22		
CNPV*6024A**	59500	36400	15	10.9	1750	1225	58500	34600	3.38	3.68	34000	18600	2.58	2.32	8.8	58CV(A,X)155–22		
CNPV*6024A**	59000	36200	14.5	10.4	1750	1225	58500	34800	3.3	3.62	34400	18700	2.5	2.28	8.7	58MVB120–20		
CNPV*6024A**	60000	36600	13	10.4	2000	1500	59500	37200	3.32	3.54	35200	20600	2.52	2.2	8.6			

See notes on pg. 15

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	Cooling Capacity		ARI Standard Ratings												Furnace Model	
				Cooling				Heating									
				SEER	EER	ID CFM		High Temp				Low Temp					HSPF
								Capacity		COP		Capacity		COP			
		High	Low			High	Low	High	Low	High	Low	High	Low	High	Low		
60–30	CSPH*6012A**	59500	36600	14.5	10.7	1750	1225	58500	35000	3.4	3.68	34400	18800	2.56	2.3	8.8	58CV(A,X)110–20
	CSPH*6012A**	60000	36600	15	10.8	1750	1225	58500	35000	3.42	3.7	34200	18700	2.58	2.32	8.9	58CV(A,X)135–22
	CSPH*6012A**	60000	36600	15	10.9	1750	1225	58500	34800	3.44	3.7	34200	18700	2.6	2.32	8.9	58CV(A,X)155–22
	CSPH*6012A**	59000	36400	14	10.3	1750	1225	59000	35200	3.3	3.62	35000	19000	2.48	2.28	8.7	58MVB080–20
	CSPH*6012A**	59000	36400	14.5	10.4	1750	1225	59000	35000	3.34	3.64	34800	18900	2.5	2.3	8.7	58MVB100–20
	CSPH*6012A**	59500	36400	14.5	10.5	1750	1225	59000	35000	3.36	3.64	34600	18800	2.52	2.3	8.7	58MVB120–20
	CSPH*6012A**	60500	37000	13.5	10.5	2000	1500	59000	37400	3.36	3.58	35600	20800	2.54	2.22	8.7	

* Ratings are net values reflecting the effects of circulating fan heat. Supplemental electric heat is not included. Ratings are based on:

Cooling Standard: 80°F (27°C) db 67°F (19°C) wb indoor entering air temperature and 95°F (35°C) db air entering outdoor unit.

High–Temp Heating Standard: 70°F (21°C) db indoor entering air temperature and 47°F (8°C) db 43°F (6°C) wb air entering outdoor unit.

Low–Temp Heating Standard: 70°F (21°C) db indoor entering air temperature and 17°F (±9°C) db 15°F (±10°C) wb air entering outdoor unit.

SEER — Seasonal Energy Efficiency Ratio

COP — Coefficient of Performance

TDR — Time–Delay Relay

HSPF — Heating Seasonal Performance Factor

EER — Energy Efficiency Ratio

DETAILED COOLING CAPACITIES

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtu/h	Total System KW**		Capacity MBtu/h	Total System KW**		Capacity MBtu/h	Total System KW**		Capacity MBtu/h	Total System KW**		Capacity MBtu/h	Total System KW**		Capacity MBtu/h	Total System KW**	
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
		25HNA624A30 Outdoor Section With FE4ANF003 Indoor Section - High Stage																	
600	72	29.20	14.50	1.69	27.67	13.90	1.92	25.98	13.25	2.08	24.10	12.55	2.19	22.00	11.80	2.23	19.69	10.98	2.21
	67	26.28	17.12	1.76	24.83	16.53	1.95	23.20	15.89	2.09	21.39	15.19	2.17	19.39	14.43	2.18	17.17	13.61	2.14
	63	24.15	16.49	1.80	22.74	15.88	1.97	21.17	15.21	2.08	19.42	14.47	2.14	17.48	13.68	2.14	15.35	12.83	2.07
	62	23.60	19.72	1.80	22.21	19.14	1.97	20.66	18.50	2.08	18.95	17.79	2.13	17.11	16.97	2.13	15.52	15.52	2.08
	57	21.73	21.73	1.83	20.75	20.75	1.97	19.65	19.65	2.07	18.41	18.41	2.12	17.04	17.04	2.13	15.52	15.52	2.08
700	72	30.27	15.32	1.68	28.64	14.71	1.92	26.84	14.06	2.09	24.85	13.35	2.20	22.65	12.59	2.25	20.22	11.76	2.23
	67	27.28	18.38	1.75	25.73	17.79	1.96	24.00	17.14	2.10	22.09	16.44	2.19	19.98	15.67	2.21	17.66	14.83	2.17
	63	25.10	17.69	1.80	23.59	17.06	1.98	21.92	16.39	2.10	20.07	15.65	2.17	18.03	14.85	2.17	15.80	13.97	2.10
	62	24.53	21.41	1.81	23.05	20.82	1.98	21.43	20.17	2.10	19.67	19.41	2.16	18.07	18.07	2.17	16.44	16.44	2.13
	57	23.12	23.12	1.83	22.06	22.06	1.99	20.87	20.87	2.10	19.55	19.55	2.16	18.08	18.08	2.17	16.44	16.44	2.13
735	72	30.58	15.58	1.68	28.92	14.97	1.92	27.08	14.32	2.09	25.06	13.61	2.21	22.83	12.85	2.26	20.37	12.02	2.24
	67	27.57	18.79	1.76	25.98	18.20	1.96	24.23	17.55	2.11	22.29	16.85	2.20	20.14	16.08	2.22	17.80	15.24	2.18
	63	25.37	18.08	1.80	23.83	17.46	1.99	22.13	16.78	2.11	20.25	16.04	2.18	18.18	15.23	2.18	15.93	14.35	2.12
	62	24.80	21.97	1.81	23.30	21.38	1.99	21.66	20.72	2.11	19.90	19.90	2.17	18.39	18.39	2.18	16.72	16.72	2.15
	57	23.55	23.55	1.83	22.46	22.46	1.99	21.25	21.25	2.11	19.89	19.89	2.17	18.39	18.39	2.18	16.72	16.72	2.15
800	72	31.09	16.06	1.68	29.37	15.45	1.92	27.48	14.79	2.10	25.41	14.08	2.22	23.12	13.31	2.27	20.60	12.48	2.26
	67	28.05	19.54	1.76	26.41	18.95	1.97	24.60	18.30	2.12	22.61	17.60	2.21	20.42	16.83	2.24	18.03	15.98	2.20
	63	25.81	18.79	1.81	24.23	18.16	1.99	22.48	17.49	2.12	20.55	16.74	2.19	18.44	15.93	2.20	16.15	15.03	2.14
	62	25.26	22.98	1.81	23.72	22.38	2.00	22.06	21.68	2.12	20.49	20.49	2.19	18.93	18.93	2.21	17.20	17.20	2.17
	57	24.28	24.28	1.83	23.15	23.15	2.00	21.90	21.90	2.12	20.49	20.49	2.19	18.93	18.93	2.21	17.20	17.20	2.17
EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtu/h	Total System KW**		Capacity MBtu/h	Total System KW**		Capacity MBtu/h	Total System KW**		Capacity MBtu/h	Total System KW**		Capacity MBtu/h	Total System KW**		Capacity MBtu/h	Total System KW**	
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
		25HNA624A30 Outdoor Section With FE4ANF003 Indoor Section - Low Stage																	
440	72	18.47	9.59	0.92	17.19	9.12	1.02	15.90	8.67	1.12	14.60	8.23	1.20	13.26	7.77	1.29	11.83	7.30	1.36
	67	16.46	11.60	0.96	15.29	11.15	1.05	14.12	10.72	1.14	12.92	10.30	1.22	11.68	9.86	1.30	10.35	9.39	1.36
	63	15.03	11.09	0.98	13.94	10.65	1.07	12.86	10.22	1.15	11.74	9.79	1.23	10.57	9.34	1.30	9.30	8.85	1.35
	62	14.67	13.60	0.98	13.62	13.18	1.07	12.65	12.65	1.15	11.83	11.83	1.23	10.95	10.95	1.30	9.98	9.98	1.36
	57	14.19	14.19	0.99	13.43	13.43	1.07	12.65	12.65	1.15	11.83	11.83	1.23	10.95	10.95	1.30	9.98	9.98	1.36
490	72	18.90	10.03	0.92	17.56	9.55	1.02	16.21	9.09	1.12	14.86	8.64	1.21	13.47	8.18	1.29	12.00	7.70	1.36
	67	16.86	12.26	0.95	15.63	11.81	1.05	14.40	11.38	1.14	13.16	10.94	1.22	11.88	10.50	1.30	10.52	10.02	1.36
	63	15.39	11.72	0.98	14.25	11.27	1.07	13.12	10.83	1.15	11.96	10.40	1.24	10.76	9.94	1.31	9.47	9.42	1.36
	62	15.04	14.49	0.98	14.00	13.96	1.07	13.15	13.15	1.15	12.28	12.28	1.23	11.36	11.36	1.30	10.34	10.34	1.36
	57	14.80	14.80	0.99	13.99	13.99	1.07	13.15	13.15	1.15	12.28	12.28	1.23	11.36	11.36	1.30	10.34	10.34	1.36
525	72	19.16	10.32	0.92	17.78	9.84	1.02	16.40	9.37	1.12	15.02	8.92	1.21	13.60	8.46	1.29	12.10	7.98	1.36
	67	17.09	12.71	0.96	15.82	12.26	1.05	14.57	11.82	1.14	13.30	11.38	1.23	12.00	10.94	1.30	10.63	10.44	1.37
	63	15.61	12.14	0.98	14.44	11.69	1.07	13.27	11.25	1.16	12.09	10.81	1.24	10.87	10.35	1.31	9.65	9.65	1.36
	62	15.28	15.07	0.98	14.34	14.34	1.07	13.47	13.47	1.15	12.57	12.57	1.23	11.61	11.61	1.31	10.56	10.56	1.37
	57	15.19	15.19	0.98	14.34	14.34	1.07	13.47	13.47	1.15	12.57	12.57	1.23	11.61	11.61	1.31	10.56	10.56	1.37
600	72	19.61	10.90	0.93	18.16	10.42	1.03	16.71	9.95	1.12	15.27	9.49	1.22	13.81	9.03	1.30	12.26	8.55	1.37
	67	17.50	13.64	0.96	16.17	13.18	1.06	14.86	12.74	1.15	13.55	12.29	1.23	12.21	11.82	1.31	10.97	10.97	1.38
	63	15.99	13.01	0.98	14.76	12.55	1.08	13.54	12.10	1.16	12.32	11.65	1.25	11.11	11.07	1.32	10.01	10.01	1.38
	62	15.93	15.93	0.98	15.00	15.00	1.07	14.07	14.07	1.16	13.10	13.10	1.24	12.08	12.08	1.31	10.97	10.97	1.38
	57	15.93	15.93	0.98	15.00	15.00	1.07	14.07	14.07	1.16	13.10	13.10	1.24	12.08	12.08	1.31	10.97	10.97	1.38

See notes on pg. 22

DETAILED COOLING CAPACITIES CONTINUED

25HNA624A30 Outdoor Section With FE4ANF003 Indoor Section

Cooling Indoor Model	High Speed Capacity	Power	Low Speed Cap.	Power	Furnace Model
*FE4ANF003	1.00	1.00	1.00	1.00	
FE4ANF002	0.99	1.01	1.00	1.01	
FV4BNF002	1.00	1.01	0.99	1.01	
FV4BNF003	1.00	0.99	0.99	1.00	
CAP**2414A**	0.97	1.01	1.00	1.04	58CV(A)X070-12
CAP**3014A**	0.98	1.02	1.00	1.03	58CV(A)X070-12
CAP**3617A**	0.98	1.01	1.00	1.03	58CV(A)X070-12
CAP**3617A**	0.98	1.01	1.00	1.02	58CV(A)X070-12
CNPH*2417A**	0.97	1.01	1.00	1.04	58CV(A)X070-12
CNPH*3017A**	0.98	1.01	1.00	1.02	58CV(A)X070-12
CNPH*3617A**	0.98	1.01	1.00	1.02	58CV(A)X070-12
CNPH*2414A**	0.97	1.01	1.00	1.04	58CV(A)X070-12
CNPH*3014A**	0.98	1.02	1.00	1.03	58CV(A)X070-12
CNPH*3617A**	0.98	1.01	1.00	1.02	58CV(A)X070-12
CSPH*2412A**	0.99	1.02	1.00	1.03	58CV(A)X070-12
CSPH*3012A**	1.00	1.01	1.01	1.03	58CV(A)X070-12
CAP**2417A**	0.98	1.00	1.00	1.03	58CV(A)X090-16
CAP**3017A**	0.98	1.00	1.00	1.03	58CV(A)X090-16
CAP**3617A**	0.99	1.01	1.01	1.03	58CV(A)X090-16
CAP**3617A**	0.99	1.01	1.01	1.03	58CV(A)X090-16
CNPH*2417A**	0.98	1.01	1.00	1.03	58CV(A)X090-16
CNPH*3017A**	0.99	1.01	1.01	1.03	58CV(A)X090-16
CNPH*3617A**	0.98	1.01	1.00	1.03	58CV(A)X090-16
CNPH*2417A**	0.99	1.01	1.01	1.03	58CV(A)X090-16
CNPH*3017A**	0.99	1.01	1.01	1.03	58CV(A)X090-16
CNPH*3617A**	0.99	1.01	1.01	1.03	58CV(A)X090-16
CNPH*2412A**	0.99	1.01	1.01	1.03	58CV(A)X090-16
CNPH*3012A**	0.99	1.01	1.01	1.03	58CV(A)X090-16
CNPH*3612A**	0.99	1.01	1.01	1.03	58CV(A)X090-16
CAP**3621A**	0.99	1.01	1.01	1.03	58MVBO40-14
CNPH*2417A**	0.98	1.02	1.00	1.04	58MVBO40-14
CNPH*3017A**	0.99	1.02	1.00	1.02	58MVBO40-14
CNPH*3617A**	0.99	1.02	1.00	1.02	58MVBO40-14
CNPH*2412A**	0.98	1.02	1.00	1.04	58MVBO40-14
CNPH*3012A**	0.99	1.02	1.00	1.03	58MVBO40-14
CNPH*3612A**	1.00	1.01	1.01	1.03	58MVBO40-14

Cooling Indoor Model	High Speed Capacity	Power	Low Speed Cap.	Power	Furnace Model
CAP**2417A**	0.98	1.01	1.00	1.03	58MVBO60-14
CAP**3017A**	0.98	1.01	1.00	1.02	58MVBO60-14
CAP**3614A**	0.99	1.02	1.00	1.02	58MVBO60-14
CAP**3617A**	0.99	1.01	1.01	1.03	58MVBO60-14
CAP**3621A**	0.99	1.01	1.01	1.03	58MVBO60-14
CNPH*2417A**	0.97	1.01	1.00	1.04	58MVBO60-14
CNPH*3017A**	0.98	1.01	1.00	1.02	58MVBO60-14
CNPH*3617A**	0.98	1.01	1.00	1.02	58MVBO60-14
CNPH*2414A**	0.98	1.01	1.00	1.02	58MVBO60-14
CNPH*3014A**	0.98	1.01	1.00	1.03	58MVBO60-14
CNPH*3617A**	0.99	1.02	1.01	1.04	58MVBO60-14
CSPH*2412A**	1.00	1.01	1.01	1.03	58MVBO60-14
CSPH*3012A**	0.99	1.01	1.01	1.03	58MVBO60-14
CAP**3617A**	0.99	1.01	1.01	1.03	58MVBO60-14
CAP**3621A**	0.99	1.01	1.01	1.03	58MVBO60-14
CNPH*2417A**	0.98	1.01	1.00	1.04	58MVBO60-14
CNPH*3017A**	0.99	1.01	1.01	1.04	58MVBO60-14
CNPH*3617A**	0.99	1.01	1.01	1.04	58MVBO60-14
CNPH*2412A**	0.98	1.02	1.00	1.03	58MVBO60-14
CNPH*3012A**	0.99	1.02	1.01	1.03	58MVBO60-14
CNPH*3612A**	0.98	1.02	1.00	1.03	58MVBO60-14
CSPH*2412A**	0.99	1.02	1.01	1.03	58MVBO60-14
CSPH*3012A**	0.99	1.02	1.01	1.03	58MVBO60-14
CSPH*3612A**	1.00	1.01	1.01	1.03	58MVBO60-14

See notes on pg. 22

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F													
CFM	EWB	75		85		95		105		115		125			
		Capacity MBtuHr Total	Total Sys-tem KW**	Capacity MBtuHr Total	Sensd	Total Sys-tem KW**	Capacity MBtuHr Total	Sensd	Total Sys-tem KW**	Capacity MBtuHr Total	Sensd	Capacity MBtuHr Total	Total Sys-tem KW**		
900						25HNA636A30 Outdoor Section With FE4ANB006 Indoor Section - High Stage									
	72	44.12	22.44	21.30	2.62	38.63	20.13	35.74	18.95	32.79	17.76	29.80	16.55	3.51	
	67	40.03	27.20	25.93	2.60	34.75	24.63	32.02	23.33	29.28	22.03	26.53	20.75	3.39	
	63	36.96	26.25	24.94	2.57	31.88	23.62	27.76	22.31	26.70	21.02	24.15	19.76	3.30	
	62	36.13	31.90	30.50	2.57	31.12	29.08	27.85	27.65	26.14	26.14	24.11	24.11	3.30	
1050															
	72	45.41	23.76	22.61	2.64	39.73	21.41	36.73	20.20	33.65	18.96	30.51	17.73	3.55	
	67	41.29	29.33	28.02	2.62	35.80	26.32	32.95	25.32	30.08	23.98	27.21	22.64	3.44	
	63	38.19	28.27	26.93	2.60	32.89	25.56	30.17	24.20	27.47	22.86	24.79	21.54	3.35	
	62	37.37	34.81	33.34	2.60	32.19	31.81	29.84	28.84	27.65	27.65	25.45	25.45	3.37	
1100															
	72	45.76	24.18	23.03	2.65	40.03	21.83	36.99	20.60	33.88	19.36	30.71	18.11	3.57	
	67	41.63	30.01	28.69	2.63	36.09	27.33	33.21	25.97	30.30	24.61	27.39	23.25	3.45	
	63	38.53	28.92	27.57	2.61	33.17	26.19	30.42	24.81	27.68	23.45	24.97	22.11	3.36	
	62	37.72	35.74	34.24	2.61	32.57	32.57	30.33	30.33	28.09	28.09	25.84	25.84	3.40	
1200															
	72	46.35	25.01	23.85	2.66	40.54	22.63	37.45	21.38	34.28	20.12	31.04	18.85	3.59	
	67	42.23	31.35	30.01	2.65	36.58	28.63	33.65	27.24	30.68	25.84	27.71	24.45	3.48	
	63	39.13	30.19	28.81	2.63	33.66	27.41	30.85	26.00	28.05	24.61	25.29	23.23	3.39	
	62	38.37	37.53	35.83	2.62	33.53	33.53	31.22	31.22	28.89	28.89	26.56	26.56	3.44	
EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F													
CFM	EWB	75		85		95		105		115		125			
		Capacity MBtuHr Total	Total Sys-tem KW**	Capacity MBtuHr Total	Sensd	Total Sys-tem KW**	Capacity MBtuHr Total	Sensd	Total Sys-tem KW**	Capacity MBtuHr Total	Sensd	Capacity MBtuHr Total	Total Sys-tem KW**		
660						25HNA636A30 Outdoor Section With FE4ANB006 Indoor Section - Low Stage									
	72	26.17	13.81	13.22	1.32	22.62	12.58	20.99	11.93	19.04	11.24	16.94	10.52	1.66	
	67	23.64	17.01	16.38	1.39	20.42	15.74	18.68	15.05	16.81	14.34	14.83	13.60	1.63	
	63	21.78	16.35	15.70	1.43	18.69	15.03	17.01	14.33	15.23	13.60	13.34	12.83	1.59	
	62	21.27	20.17	19.52	1.44	18.48	18.48	17.20	17.20	15.83	15.83	14.35	14.35	1.62	
735															
	72	26.66	14.42	13.83	1.31	23.22	13.19	21.33	12.53	19.32	11.84	17.17	11.11	1.67	
	67	24.12	17.98	17.36	1.39	20.80	16.70	19.00	16.01	17.09	15.30	15.06	14.54	1.64	
	63	22.25	17.28	16.62	1.43	19.04	15.94	17.31	15.23	15.48	14.49	13.61	13.61	1.61	
	62	21.75	21.50	20.46	1.44	19.19	19.19	17.85	17.85	16.42	16.42	14.87	14.87	1.64	
800															
	72	27.00	14.92	14.32	1.31	23.47	13.69	21.56	13.05	19.52	12.34	17.33	11.61	1.68	
	67	24.46	18.80	18.17	1.39	21.06	17.51	19.22	16.83	17.28	16.10	15.26	15.26	1.65	
	63	22.57	18.05	17.40	1.44	19.30	16.71	17.53	16.00	15.67	15.24	13.95	13.95	1.65	
	62	22.29	22.29	21.05	1.43	19.74	19.74	18.35	18.35	16.86	16.86	15.26	15.26	1.65	
900															
	72	27.40	15.69	15.07	1.31	23.80	14.43	21.84	13.78	19.75	13.08	17.51	12.35	1.70	
	67	24.86	20.03	19.40	1.39	21.38	18.73	19.50	18.04	17.53	17.29	15.77	15.77	1.68	
	63	22.98	19.21	18.55	1.45	19.61	17.85	17.80	17.13	16.05	16.05	14.41	14.41	1.65	
	62	23.14	23.14	21.84	1.43	20.46	20.46	19.01	19.01	17.45	17.45	15.77	15.77	1.68	
57	23.14	23.14	21.84	1.43	20.46	20.46	19.01	19.01	17.45	17.45	15.77	15.77	1.68		

See notes on pg. 22

DETAILED COOLING CAPACITIES CONTINUED

25HNA636A30 Outdoor Section With FE4ANB006 Indoor Section

Cooling Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model	Cooling Indoor Model	High Speed Capac-ity	Power	Low Speed Capac-ity	Power	Furnace Model	Cooling Indoor Model	High Speed Capac-ity	Power	Low Speed Capac-ity	Power	Furnace Model
*FE4ANB006	1.00	1.00	1.00	1.00		CNPV*3621A**	0.94	1.02	0.94	1.01	58CV(A)X110-20	CNPV*4221A**	0.95	1.02	0.95	1.01	58MV(B)080-14
FE4ANF002	0.94	1.03	0.95	1.02		CNPV*4221A**	0.96	1.00	0.95	1.01	58CV(A)X110-20	CNPV*4821A**	0.96	1.03	0.96	1.02	58MV(B)080-14
FE4ANF003	0.95	1.01	0.96	1.01		CNPV*4821A**	0.97	1.01	0.97	1.02	58CV(A)X110-20	CNPV*3621A**	0.93	1.04	0.94	1.02	58MV(B)080-14
FE4ANF005	0.99	1.00	0.99	1.01		CNPV*4824A**	0.97	1.01	0.97	1.02	58CV(A)X110-20	CNPV*4221A**	0.95	1.02	0.95	1.01	58MV(B)080-14
FE4ANB004	1.00	1.00	1.00	1.00		CSPH*3612A**	0.97	1.02	0.96	1.02	58CV(A)X110-20	CNPV*4821A**	0.96	1.03	0.96	1.02	58MV(B)080-14
FV4BNB006	1.01	1.01	0.98	0.99		CSPH*4212A**	0.97	1.02	0.97	1.02	58CV(A)X110-20	CNPV*4824A**	0.96	1.03	0.96	1.02	58MV(B)080-14
FV4BNF002	0.94	1.04	0.94	1.02		CSPH*4812A**	0.98	1.03	0.97	1.01	58CV(A)X110-20	CSPH*3612A**	0.96	1.04	0.96	1.03	58MV(B)080-14
FV4BNF003	0.96	1.01	0.94	1.00		CAP**4224A**	0.95	1.01	0.95	1.01	58CV(A)X135-22	CSPH*4212A**	0.96	1.03	0.96	1.02	58MV(B)080-14
FV4BNF005	0.99	1.01	0.97	1.00		CAP**4821A**	0.97	1.01	0.96	1.01	58CV(A)X135-22	CSPH*4812A**	0.97	1.04	0.97	1.02	58MV(B)080-14
CAP**3614A**	0.93	1.09	0.94	1.15		CAP**4824A**	0.97	1.01	0.96	1.01	58CV(A)X135-22	CAP**3621A**	0.94	1.02	0.94	1.01	58MV(B)080-20
CAP**3617A**	0.94	1.11	0.95	1.17		CNPV*3617A**	0.94	1.02	0.94	1.01	58CV(A)X135-22	CAP**4221A**	0.94	1.03	0.95	1.02	58MV(B)080-20
CAP**3621A**	0.94	1.11	0.95	1.17		CNPV*4221A**	0.96	0.99	0.95	1.00	58CV(A)X135-22	CAP**4817A**	0.97	1.03	0.97	1.02	58MV(B)080-20
CAP**4221A**	0.96	1.11	0.96	1.17		CNPV*4821A**	0.97	1.01	0.97	1.01	58CV(A)X135-22	CAP**4821A**	0.96	1.03	0.96	1.02	58MV(B)080-20
CAP**4224A**	0.96	1.11	0.96	1.17		CNPV*4821A**	0.97	1.01	0.97	1.01	58CV(A)X135-22	CAP**4824A**	0.96	1.03	0.96	1.02	58MV(B)080-20
CAP**4817A**	0.98	1.12	0.98	1.17		CNPV*4821A**	0.97	1.01	0.97	1.01	58CV(A)X135-22	CAP**4821A**	0.96	1.03	0.96	1.02	58MV(B)080-20
CAP**4821A**	0.97	1.11	0.97	1.17		CSPH*3612A**	0.97	1.02	0.96	1.02	58CV(A)X135-22	CNPV*4824A**	0.95	1.01	0.95	1.02	58MV(B)080-20
CAP**4824A**	0.97	1.11	0.97	1.17		CSPH*4212A**	0.97	1.02	0.97	1.02	58CV(A)X135-22	CNPV*4821A**	0.97	1.03	0.97	1.02	58MV(B)080-20
CNPV*3618A**	0.94	1.11	0.95	1.17		CSPH*4812A**	0.97	1.03	0.97	1.01	58CV(A)X135-22	CNPV*3617A**	0.93	1.03	0.94	1.02	58MV(B)080-20
CNPV*4818A**	0.97	1.12	0.97	1.17		CAP**4224A**	0.96	1.00	0.95	1.01	58CV(A)X155-22	CNPV*4221A**	0.95	1.01	0.95	1.02	58MV(B)080-20
CNPV*3617A**	0.94	1.11	0.95	1.17		CAP**4821A**	0.97	1.00	0.96	1.00	58CV(A)X155-22	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)080-20
CNPV*4221A**	0.96	1.11	0.96	1.17		CAP**4824A**	0.97	1.00	0.96	1.00	58CV(A)X155-22	CNPV*4824A**	0.97	1.03	0.96	1.02	58MV(B)080-20
CNPV*4821A**	0.94	1.11	0.95	1.17		CNPV*3617A**	0.94	1.01	0.94	1.01	58CV(A)X155-22	CSPH*3612A**	0.96	1.03	0.96	1.02	58MV(B)080-20
CNPV*3617A**	0.94	1.11	0.95	1.17		CNPV*4221A**	0.96	0.99	0.95	1.00	58CV(A)X155-22	CSPH*4212A**	0.97	1.03	0.96	1.02	58MV(B)080-20
CNPV*4221A**	0.94	1.11	0.95	1.17		CNPV*4821A**	0.97	1.00	0.97	1.01	58CV(A)X155-22	CSPH*4812A**	0.97	1.03	0.97	1.02	58MV(B)080-20
CNPV*4821A**	0.96	1.11	0.96	1.17		CNPV*4821A**	0.97	1.00	0.97	1.01	58CV(A)X155-22	CSPH*3617A**	0.94	1.02	0.95	1.01	58MV(B)100-20
CNPV*4824A**	0.97	1.11	0.97	1.17		CNPV*4821A**	0.97	1.00	0.97	1.01	58CV(A)X155-22	CNPV*4221A**	0.95	1.01	0.95	1.02	58MV(B)100-20
CNPV*3612A**	0.93	1.03	0.94	1.02	58CV(A)X070-12	CNPV*4824A**	0.97	1.03	0.96	1.03	58MV(B)040-14	CNPV*4821A**	0.97	1.02	0.97	1.02	58MV(B)100-20
CNPV*4212A**	0.97	1.04	0.96	1.02	58CV(A)X070-12	CSPH*3612A**	0.97	1.01	0.96	1.01	58MV(B)040-14	CNPV*3621A**	0.94	1.03	0.94	1.02	58MV(B)100-20
CNPV*4812A**	0.94	1.01	0.95	1.02	58CV(A)X090-16	CSPH*4212A**	0.97	1.04	0.96	1.02	58MV(B)040-14	CNPV*4821A**	0.95	1.01	0.95	1.01	58MV(B)100-20
CNPV*3617A**	0.97	1.02	0.97	1.02	58CV(A)X090-16	CSPH*4812A**	0.98	1.01	0.97	1.01	58MV(B)040-14	CNPV*4824A**	0.97	1.03	0.97	1.02	58MV(B)100-20
CNPV*4821A**	0.97	1.01	0.96	1.01	58CV(A)X090-16	CAP**4224A**	0.94	1.03	0.95	1.01	58MV(B)040-14	CNPV*4221A**	0.95	1.01	0.95	1.02	58MV(B)100-20
CNPV*3617A**	0.94	1.02	0.94	1.01	58CV(A)X090-16	CAP**4821A**	0.96	1.03	0.96	1.03	58MV(B)040-14	CNPV*4821A**	0.96	1.02	0.96	1.02	58MV(B)100-20
CNPV*4221A**	0.96	1.00	0.95	1.00	58CV(A)X090-16	CAP**4824A**	0.96	1.03	0.96	1.03	58MV(B)040-14	CNPV*4824A**	0.96	1.02	0.96	1.02	58MV(B)100-20
CNPV*4821A**	0.97	1.01	0.96	1.01	58CV(A)X090-16	CNPV*3617A**	0.93	1.04	0.94	1.02	58MV(B)060-14	CNPV*3617A**	0.93	1.02	0.94	1.02	58MV(B)120-20
CNPV*3617A**	0.94	1.02	0.94	1.01	58CV(A)X090-16	CNPV*4221A**	0.95	1.02	0.95	1.00	58MV(B)060-14	CNPV*4221A**	0.95	1.00	0.95	1.02	58MV(B)120-20
CNPV*4221A**	0.96	1.01	0.96	1.01	58CV(A)X090-16	CNPV*4821A**	0.96	1.02	0.96	1.02	58MV(B)060-14	CNPV*4821A**	0.97	1.01	0.96	1.02	58MV(B)120-20
CNPV*4821A**	0.97	1.01	0.96	1.01	58CV(A)X090-16	CNPV*4821A**	0.97	1.02	0.96	1.01	58MV(B)060-14	CNPV*4824A**	0.97	1.01	0.96	1.02	58MV(B)120-20
CNPV*4824A**	0.97	1.01	0.96	1.01	58CV(A)X090-16	CNPV*4821A**	0.97	1.02	0.96	1.01	58MV(B)060-14	CNPV*3617A**	0.93	1.01	0.96	1.02	58MV(B)120-20
CSPH*3612A**	0.96	1.02	0.96	1.02	58CV(A)X090-16	CNPV*3617A**	0.93	1.02	0.94	1.02	58MV(B)060-14	CNPV*4824A**	0.97	1.01	0.96	1.02	58MV(B)120-20
CSPH*4212A**	0.97	1.01	0.97	1.02	58CV(A)X090-16	CNPV*4221A**	0.95	1.02	0.96	1.01	58MV(B)060-14	CNPV*3612A**	0.96	1.03	0.96	1.02	58MV(B)120-20
CSPH*4812A**	0.97	1.02	0.97	1.02	58CV(A)X090-16	CNPV*4821A**	0.96	1.03	0.96	1.02	58MV(B)060-14	CSPH*4212A**	0.97	1.01	0.96	1.02	58MV(B)120-20
CAP**3614A**	0.93	1.03	0.94	1.02	58CV(A)X070-12	CNPV*4824A**	0.96	1.03	0.96	1.01	58MV(B)040-14	CAP**4224A**	0.95	1.01	0.95	1.02	58MV(B)120-20
CAP**3617A**	0.94	1.03	0.96	1.02	58CV(A)X070-12	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CAP**4821A**	0.96	1.02	0.96	1.02	58MV(B)120-20
CAP**3621A**	0.94	1.03	0.96	1.02	58CV(A)X070-12	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CAP**4824A**	0.96	1.02	0.96	1.02	58MV(B)120-20
CAP**4221A**	0.95	1.02	0.95	1.02	58CV(A)X070-12	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CNPV*3617A**	0.93	1.02	0.94	1.02	58MV(B)120-20
CAP**4821A**	0.96	1.03	0.96	1.02	58CV(A)X070-12	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CNPV*4221A**	0.95	1.01	0.95	1.02	58MV(B)120-20
CAP**4824A**	0.96	1.03	0.96	1.02	58CV(A)X070-12	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CNPV*4821A**	0.96	1.02	0.96	1.02	58MV(B)120-20
CSPH*3612A**	0.97	1.03	0.95	1.02	58CV(A)X070-12	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CNPV*4824A**	0.97	1.03	0.96	1.02	58MV(B)120-20
CSPH*4212A**	0.97	1.03	0.96	1.02	58CV(A)X070-12	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CNPV*3617A**	0.93	1.02	0.94	1.02	58MV(B)120-20
CSPH*4812A**	0.94	1.01	0.95	1.02	58CV(A)X090-16	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CNPV*4221A**	0.95	1.01	0.95	1.02	58MV(B)120-20
CAP**3614A**	0.93	1.03	0.94	1.02	58CV(A)X090-16	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CNPV*4821A**	0.96	1.02	0.96	1.02	58MV(B)120-20
CAP**3617A**	0.94	1.03	0.96	1.02	58CV(A)X090-16	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CNPV*4824A**	0.97	1.03	0.96	1.02	58MV(B)120-20
CAP**3621A**	0.94	1.03	0.96	1.02	58CV(A)X090-16	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CNPV*3612A**	0.96	1.03	0.96	1.02	58MV(B)120-20
CAP**4221A**	0.95	1.02	0.95	1.02	58CV(A)X090-16	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CSPH*4212A**	0.97	1.03	0.96	1.02	58MV(B)120-20
CAP**4821A**	0.96	1.03	0.96	1.02	58CV(A)X090-16	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CSPH*4812A**	0.97	1.03	0.96	1.02	58MV(B)120-20
CAP**4824A**	0.96	1.03	0.96	1.02	58CV(A)X090-16	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CSPH*3612A**	0.96	1.03	0.96	1.02	58MV(B)120-20
CSPH*3612A**	0.97	1.03	0.95	1.02	58CV(A)X090-16	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CSPH*4212A**	0.97	1.03	0.96	1.02	58MV(B)120-20
CSPH*4212A**	0.97	1.03	0.96	1.02	58CV(A)X090-16	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CSPH*4812A**	0.97	1.03	0.96	1.02	58MV(B)120-20
CSPH*4812A**	0.94	1.01	0.95	1.02	58CV(A)X090-16	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CNPV*3612A**	0.96	1.03	0.96	1.02	58MV(B)120-20
CAP**3614A**	0.93	1.03	0.94	1.02	58CV(A)X090-16	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CAP**4224A**	0.95	1.01	0.95	1.02	58MV(B)120-20
CAP**3617A**	0.94	1.03	0.96	1.02	58CV(A)X090-16	CNPV*4821A**	0.97	1.03	0.96	1.02	58MV(B)040-14	CAP**4821A**	0.96	1.02	0.96	1.02	58MV(B)120-20
CAP**3621A**	0.94	1.03	0.96	1.02	58CV(A)X090-16	CNPV*4821A**	0.97	1.0									

DETAILED COOLING CAPACITIES CONTINUED

[illegible]

See notes on pg. 22

DETAILED COOLING CAPACITIES CONTINUED

25HNA648A30 Outdoor Section With FE4ANB006 Indoor Section

Cooling In- door Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
*FE4ANB006	1.00	1.00	1.00	1.00	
FE4ANF005	0.98	1.00	1.00	1.02	
FV4BNB006	1.00	1.00	1.00	1.00	
FV4BNF005	0.99	1.02	1.00	1.02	
CAP**4817A**	0.96	1.05	0.98	1.18	
CAP**4821A**	0.97	1.08	0.98	1.21	
CAP**4824A**	0.97	1.08	0.98	1.21	
CAP**6021A**	0.99	1.07	1.00	1.21	
CAP**6024A**	0.99	1.07	1.00	1.21	
CNPF*4818A**	0.94	1.04	0.98	1.18	
CNPF*4821A**	0.97	1.07	0.99	1.22	
CNPF*6024A**	0.99	1.08	1.00	1.21	
CNPV*4821A**	0.97	1.07	0.99	1.22	
CNPV*4824A**	0.97	1.07	0.99	1.22	
CNPV*6024A**	0.99	1.08	1.00	1.21	
CSPH*4812A**	0.98	1.07	0.99	1.21	
CSPH*6012A**	1.00	1.08	1.00	1.21	
CAP**4817A**	0.96	1.03	0.98	1.03	58CV(A)X090-16
CNPF*4821A**	0.96	1.02	0.98	1.02	58CV(A)X090-16
CNPF*6024A**	0.98	1.02	0.99	1.02	58CV(A)X090-16
CSPH*4812A**	0.96	1.02	0.98	1.02	58CV(A)X090-16
CSPH*6012A**	0.98	1.02	0.99	1.02	58CV(A)X090-16
CAP**4821A**	0.95	1.01	0.98	1.03	58CV(A)X110-20
CAP**6021A**	0.98	1.01	0.99	1.02	58CV(A)X110-20
CNPF*4821A**	0.96	1.02	0.98	1.02	58CV(A)X110-20
CNPF*6024A**	0.98	1.01	0.99	1.02	58CV(A)X110-20
CNPV*4821A**	0.96	1.02	0.98	1.02	58CV(A)X110-20
CSPH*4812A**	0.97	1.03	0.98	1.02	58CV(A)X110-20
CSPH*6012A**	0.98	1.01	0.99	1.02	58CV(A)X110-20
CAP**4824A**	0.96	1.01	0.98	1.02	58CV(A)X135-22
CAP**6024A**	0.98	1.00	0.99	1.02	58CV(A)X135-22
CNPF*4821A**	0.96	1.00	0.98	1.02	58CV(A)X135-22
CNPF*6024A**	0.98	1.00	0.99	1.01	58CV(A)X135-22
CNPV*4824A**	0.96	1.00	0.98	1.02	58CV(A)X135-22
CNPV*6024A**	0.98	1.00	0.99	1.01	58CV(A)X135-22
CSPH*4812A**	0.97	1.01	0.98	1.02	58CV(A)X135-22
CSPH*6012A**	0.99	1.01	0.99	1.02	58CV(A)X135-22
CAP**4821A**	0.96	1.00	0.98	1.02	58CV(A)X135-22
CNPF*4821A**	0.96	1.00	0.98	1.02	58CV(A)X135-22
CNPF*6024A**	0.98	1.00	0.99	1.01	58CV(A)X155-22
CAP**6024A**	0.98	1.00	0.99	1.01	58CV(A)X155-22
CNPF*4821A**	0.96	0.99	0.98	1.01	58CV(A)X155-22
CNPF*6024A**	0.98	1.00	0.99	1.00	58CV(A)X155-22
CNPV*4824A**	0.96	0.99	0.98	1.01	58CV(A)X155-22
CNPV*6024A**	0.98	1.00	0.99	1.00	58CV(A)X155-22
CSPH*4812A**	0.97	1.00	0.99	1.02	58CV(A)X155-22
CSPH*6012A**	0.99	1.00	1.00	1.02	58CV(A)X155-22
CAP**4821A**	0.95	1.03	0.98	1.03	58MVB080-20
CAP**6021A**	0.98	1.03	0.99	1.03	58MVB080-20
CNPF*4821A**	0.97	1.02	0.99	1.03	58MVB080-20
CNPF*6024A**	0.95	1.03	0.98	1.03	58MVB080-20
CNPV*4821A**	0.96	1.03	0.98	1.04	58MVB080-20
CNPV*4812A**	0.98	1.03	0.99	1.04	58MVB080-20

See notes on pg. 22

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75		85		95		105		115		125							
		Capacity MBtu/h Total	Total Sys-tem KW** Sensit	Capacity MBtu/h Total	Total Sys-tem KW** Sensit	Capacity MBtu/h Total	Total Sys-tem KW** Sensit	Capacity MBtu/h Total	Total Sys-tem KW** Sensit	Capacity MBtu/h Total	Total Sys-tem KW** Sensit	Capacity MBtu/h Total	Total Sys-tem KW** Sensit						
1500		72	74.24	36.70	4.82	69.55	34.81	32.94	5.14	64.81	60.07	31.12	5.84	55.21	29.29	6.22	50.14	27.43	6.62
		67	66.90	43.76	4.64	62.61	41.88	40.04	4.95	58.30	53.96	38.24	5.63	49.55	36.44	6.01	44.95	34.61	6.40
		63	61.52	42.15	4.50	57.51	40.27	38.44	4.81	53.50	49.17	36.64	5.48	45.37	34.85	5.81	41.10	33.03	6.22
		62	60.11	50.74	4.47	56.18	48.88	47.05	4.77	52.27	47.05	45.24	5.44	44.42	43.38	5.81	42.61	42.46	5.88
		57	55.70	55.70	4.36	52.84	52.84	49.96	4.68	49.96	49.96	47.02	5.40	43.98	43.98	5.79	42.54	42.54	5.88
1750		72	76.70	38.70	4.95	71.68	36.75	34.83	5.27	66.63	61.49	32.86	5.96	56.44	31.09	6.34	51.09	29.18	6.75
		67	69.22	46.91	4.77	64.61	44.97	43.08	5.08	60.00	55.39	41.22	5.76	50.71	39.38	6.13	45.88	37.50	6.52
		63	63.70	45.13	4.63	59.41	43.20	41.31	4.93	55.12	50.84	39.46	5.60	46.49	37.62	5.96	44.43	36.81	6.03
		62	62.27	55.01	4.60	58.09	53.07	51.14	4.90	53.95	49.15	38.24	5.57	46.26	36.44	5.96	42.75	42.75	6.38
		57	59.06	59.06	4.52	55.94	55.94	52.78	4.84	52.78	49.57	46.26	5.63	46.26	46.26	5.96	42.75	42.75	6.38
1835		72	77.39	39.34	5.00	72.27	37.37	35.44	5.31	67.13	62.00	33.56	6.00	56.77	31.67	6.38	51.35	29.76	6.78
		67	69.87	47.92	4.81	65.17	45.97	44.06	5.12	60.47	55.79	42.20	5.80	51.03	40.34	6.17	46.13	38.45	6.56
		63	64.32	46.10	4.67	59.94	44.15	42.24	4.97	54.92	50.33	38.53	5.64	46.80	38.53	6.00	42.26	36.63	6.38
		62	62.89	56.39	4.64	58.64	54.42	52.44	4.94	54.45	50.33	40.34	5.61	46.93	46.93	6.01	43.34	43.34	6.44
		57	60.08	60.08	4.57	56.87	56.87	53.62	4.89	53.62	50.33	40.34	5.61	46.94	46.94	6.01	43.34	43.34	6.44
2000		72	78.55	40.53	5.07	73.27	38.54	36.58	5.39	67.97	62.69	34.68	6.08	57.32	32.78	6.46	51.76	30.84	6.85
		67	70.97	49.84	4.88	66.12	47.87	45.93	5.19	61.26	56.44	44.05	5.87	51.56	42.16	6.24	46.55	40.23	6.63
		63	65.37	47.92	4.74	60.84	45.93	44.00	5.04	56.33	51.84	42.11	5.71	47.32	40.22	6.07	42.68	38.29	6.45
		62	63.98	58.98	4.71	59.62	56.93	54.77	5.01	55.38	51.67	42.11	5.71	48.12	48.12	6.11	44.36	44.36	6.53
		57	61.89	61.89	4.66	58.52	58.52	55.12	4.98	55.12	51.67	42.11	5.71	48.12	48.12	6.11	44.37	44.37	6.53
EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75		85		95		105		115		125							
		Capacity MBtu/h Total	Total Sys-tem KW** Sensit	Capacity MBtu/h Total	Total Sys-tem KW** Sensit	Capacity MBtu/h Total	Total Sys-tem KW** Sensit	Capacity MBtu/h Total	Total Sys-tem KW** Sensit	Capacity MBtu/h Total	Total Sys-tem KW** Sensit	Capacity MBtu/h Total	Total Sys-tem KW** Sensit						
1100		72	46.59	24.34	2.31	43.55	23.08	21.77	2.87	37.02	33.59	19.08	3.31	30.04	17.69	3.49	3.49		
		67	42.37	30.01	2.38	39.46	28.61	27.16	2.87	33.29	30.08	24.20	3.25	26.78	22.70	3.39	3.39		
		63	39.20	28.94	2.41	36.40	27.51	26.04	2.85	30.51	27.46	23.06	3.18	24.36	21.56	3.31	3.31		
		62	38.36	35.60	2.41	35.61	34.03	32.79	2.85	30.23	27.76	27.76	3.19	25.22	25.22	3.34	3.34		
		57	37.24	37.24	2.42	34.97	34.97	32.63	2.85	30.23	27.76	27.76	3.19	25.22	25.22	3.34	3.34		
1225		72	47.31	25.29	2.33	44.19	24.01	22.68	2.90	37.50	34.00	19.94	3.36	30.36	18.53	3.54	3.54		
		67	43.10	31.59	2.40	40.11	30.15	28.68	2.91	33.79	31.00	25.96	3.29	27.12	24.10	3.45	3.45		
		63	39.92	30.44	2.44	37.04	28.97	27.47	2.89	31.00	27.88	24.42	3.23	24.70	22.86	3.36	3.36		
		62	39.12	37.76	2.44	36.35	36.08	33.79	2.89	31.28	28.70	28.70	3.25	26.04	26.04	3.41	3.41		
		57	38.60	38.60	2.45	36.24	36.24	33.79	2.89	31.28	28.70	28.70	3.25	26.04	26.04	3.41	3.41		
1330		72	47.76	26.03	2.36	44.60	24.74	23.39	2.94	37.80	34.25	20.63	3.40	30.55	19.20	3.58	3.58		
		67	43.56	32.85	2.43	40.53	31.39	29.89	2.94	34.10	30.76	26.80	3.34	27.33	25.21	3.49	3.49		
		63	40.39	31.63	2.47	37.46	30.14	28.62	2.93	31.31	28.14	25.50	3.28	24.92	23.89	3.41	3.41		
		62	39.68	39.40	2.47	37.14	37.14	34.62	2.93	32.04	29.37	29.37	3.31	26.61	26.61	3.47	3.47		
		57	39.57	39.57	2.47	37.14	37.14	34.62	2.93	32.04	29.37	29.37	3.31	26.61	26.61	3.47	3.47		
1500		72	48.28	27.14	2.41	45.05	25.83	24.47	3.01	38.12	34.49	21.66	3.48	30.72	20.21	3.66	3.66		
		67	44.11	34.79	2.49	41.01	33.29	31.75	3.02	34.45	31.04	27.57	3.42	27.57	26.86	3.58	3.58		
		63	40.94	33.45	2.53	37.94	31.93	30.36	3.01	31.67	28.44	27.11	3.36	25.24	25.24	3.50	3.50		
		62	40.88	40.88	2.53	38.35	38.35	35.73	3.01	33.02	30.24	30.24	3.40	27.35	27.35	3.57	3.57		
		57	40.88	40.88	2.53	38.35	38.35	35.73	3.01	33.02	30.24	30.24	3.40	27.35	27.35	3.57	3.57		

See notes on pg. 22

DETAILED COOLING CAPACITIES CONTINUED

25HNA60A30 Outdoor Section With FE4ANB006 Indoor Section - Low Stage

Cooling Indoor Model	High Speed Capacity	Power	Low Speed Capacity	Power	Furnace Model
*FE4ANB006	1.00	1.00	1.00	1.00	
FV4BNB006	1.00	1.05	0.98	0.98	
CAP**6021A**	0.99	1.05	0.98	1.11	
CAP**6024A**	1.00	1.06	0.99	1.14	
CNPH*6024A**	1.00	1.07	0.99	1.13	
CNPH*6024A**	1.00	1.07	0.99	1.13	
CSPH*6012A**	1.01	1.07	1.00	1.14	
CAP**6021A**	0.99	1.04	0.99	1.02	58CV(A)110-20
CNPH*6024A**	0.98	1.03	0.98	1.01	58CV(A)110-20
CSPH*6012A**	0.99	1.03	0.99	1.02	58CV(A)110-20
CAP**6024A**	0.99	1.02	0.99	1.01	58CV(A)135-22
CNPH*6024A**	0.99	1.02	0.98	1.00	58CV(A)135-22
CNPH*6024A**	0.99	1.02	0.98	1.00	58CV(A)135-22
CSPH*6012A**	1.00	1.03	0.99	1.01	58CV(A)135-22
CAP**6024A**	1.00	1.02	0.99	1.01	58CV(A)155-22
CNPH*6024A**	0.99	1.01	0.98	1.00	58CV(A)155-22
CNPH*6024A**	0.99	1.01	0.98	1.00	58CV(A)155-22
CSPH*6012A**	1.00	1.02	0.99	1.00	58CV(A)155-22
CAP**6021A**	0.98	1.07	0.98	1.03	58MV/B080-20
CNPH*6024A**	0.98	1.06	0.98	1.04	58MV/B080-20
CSPH*6012A**	0.98	1.06	0.98	1.04	58MV/B080-20
CAP**6021A**	0.98	1.05	0.98	1.02	58MV/B100-20
CNPH*6024A**	0.98	1.06	0.98	1.03	58MV/B100-20
CSPH*6012A**	0.98	1.05	0.98	1.02	58MV/B100-20
CAP**6024A**	0.98	1.05	0.98	1.02	58MV/B120-20
CNPH*6024A**	0.98	1.05	0.98	1.02	58MV/B120-20
CNPH*6024A**	0.98	1.05	0.98	1.02	58MV/B120-20
CSPH*6012A**	0.99	1.05	0.98	1.02	58MV/B120-20

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

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

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

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

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

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

EWB — Entering Wet Bulb

HEAT PUMP HEATING PERFORMANCE

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																							
EDB	CFM	-3			7			17			27			37			47			57			67		
		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†	Capacity MBtuh		Total Sys-tem KW†	Capacity MBtuh		Total Sys-tem KW†
		Total	In- teg*		Total	In- teg*		Total	In- teg*		Total	In- teg*		Total	In- teg*		Total	In- teg*		Total	In- teg*		Total	In- teg*	
25HNA624A30 Outdoor Section With FE4ANF003 Indoor Section - High Stage																									
65	600	6.21	5.71	1.17	9.18	8.44	1.32	12.72	11.59	1.49	16.77	14.90	1.67	20.49	18.64	1.81	22.86	22.86	1.89	24.37	24.37	1.91	25.85	25.85	1.93
	700	6.43	5.91	1.18	9.51	8.74	1.33	13.12	11.97	1.49	17.20	15.28	1.65	19.82	18.04	1.75	21.04	21.04	1.77	22.19	22.19	1.78	23.25	23.25	1.79
	735	6.49	5.97	1.19	9.61	8.83	1.34	13.25	12.08	1.50	17.17	15.25	1.65	19.41	17.67	1.73	20.53	20.53	1.74	21.59	21.59	1.75	22.53	22.53	1.75
	800	6.61	6.08	1.20	9.78	8.99	1.35	13.44	12.25	1.50	17.07	15.16	1.64	18.77	17.08	1.69	19.76	19.76	1.70	20.67	20.67	1.70	21.40	21.40	1.70
70	600	5.62	5.17	1.17	8.49	7.80	1.33	11.99	10.93	1.51	15.94	14.15	1.69	20.18	18.36	1.86	23.32	23.32	1.99	24.97	24.97	2.02	26.63	26.63	2.05
	700	5.82	5.35	1.18	8.80	8.09	1.35	12.40	11.31	1.51	16.53	14.68	1.69	19.89	18.10	1.82	21.60	21.60	1.87	22.90	22.90	1.89	24.14	24.14	1.90
	735	5.88	5.41	1.19	8.90	8.18	1.35	12.52	11.42	1.52	16.73	14.86	1.69	19.79	18.01	1.82	21.12	21.12	1.84	22.33	22.33	1.85	23.46	23.46	1.86
	800	5.99	5.51	1.20	9.06	8.33	1.36	12.73	11.60	1.53	16.81	14.93	1.69	19.24	17.51	1.78	20.37	20.37	1.80	21.43	21.43	1.81	22.39	22.39	1.81
75	600	5.00	4.60	1.16	7.81	7.18	1.34	11.22	10.23	1.52	15.13	13.43	1.71	19.66	17.89	1.91	23.15	23.15	2.05	25.43	25.43	2.12	27.19	27.19	2.15
	700	5.19	4.77	1.18	8.10	7.44	1.35	11.63	10.60	1.53	15.63	13.88	1.72	19.63	17.86	1.88	22.04	22.04	1.96	23.48	23.48	1.99	24.88	24.88	2.01
	735	5.25	4.83	1.19	8.19	7.52	1.36	11.75	10.72	1.54	15.78	14.02	1.72	19.55	17.79	1.87	21.60	21.60	1.93	22.93	22.93	1.95	24.22	24.22	1.97
	800	5.35	4.92	1.20	8.34	7.66	1.37	11.98	10.92	1.54	16.09	14.29	1.73	19.38	17.64	1.86	20.86	20.86	1.89	22.07	22.07	1.91	23.20	23.20	1.92
OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																									
INDOOR AIR		7			17			27			37			47			57			67					
EDB	CFM	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†	Capacity MBtuh		Total Sys-tem KW†	Capacity MBtuh		Total Sys-tem KW†
		Total	In- teg*		Total	In- teg*		Total	In- teg*		Total	In- teg*		Total	In- teg*		Total	In- teg*		Total	In- teg*		Total	In- teg*	
		25HNA624A30 Outdoor Section With FE4ANF003 Indoor Section - Low Stage																							
65	440	4.87	4.48	0.92	6.84	6.23	0.96	8.86	7.87	1.00	11.11	10.11	1.04	13.63	13.63	1.09	15.83	15.83	1.13	17.29	17.29	1.13	17.29	17.29	1.17
	490	4.99	4.58	0.92	6.98	6.36	0.96	9.04	8.03	0.99	11.36	10.34	1.03	13.96	13.96	1.07	15.82	15.82	1.11	16.42	16.42	1.11	16.42	16.42	1.12
	525	5.06	4.65	0.92	7.07	6.44	0.96	9.16	8.13	0.98	11.51	10.48	1.02	14.04	14.04	1.06	15.56	15.56	1.09	15.86	15.86	1.09	15.86	15.86	1.10
	600	5.20	4.78	0.93	7.23	6.60	0.96	9.38	8.33	0.98	11.81	10.74	1.01	14.06	14.06	1.04	14.69	14.69	1.06	14.77	14.77	1.06	14.77	14.77	1.07
70	440	4.33	3.98	0.94	6.35	5.79	0.99	8.41	7.47	1.03	10.60	9.64	1.08	13.06	13.06	1.13	15.47	15.47	1.18	17.29	17.29	1.18	17.29	17.29	1.23
	490	4.44	4.08	0.94	6.50	5.93	0.99	8.59	7.63	1.03	10.84	9.87	1.07	13.40	13.40	1.11	15.53	15.53	1.16	16.60	16.60	1.16	16.60	16.60	1.18
	525	4.52	4.15	0.94	6.59	6.01	0.99	8.70	7.72	1.02	10.99	10.00	1.06	13.62	13.62	1.10	15.52	15.52	1.14	16.10	16.10	1.14	16.10	16.10	1.16
	600	4.65	4.28	0.95	6.76	6.16	0.99	8.90	7.90	1.02	11.27	10.25	1.05	13.78	13.78	1.09	15.00	15.00	1.12	15.17	15.17	1.12	15.17	15.17	1.12
75	440	3.73	3.42	0.95	5.83	5.32	1.02	7.92	7.03	1.07	10.09	9.18	1.12	12.48	12.48	1.17	15.04	15.04	1.23	16.97	16.97	1.23	16.97	16.97	1.28
	490	3.84	3.53	0.95	5.98	5.45	1.02	8.10	7.20	1.06	10.32	9.39	1.11	12.82	12.82	1.16	15.18	15.18	1.20	16.72	16.72	1.20	16.72	16.72	1.25
	525	3.91	3.59	0.95	6.07	5.53	1.02	8.21	7.29	1.06	10.46	9.52	1.10	13.01	13.01	1.15	15.22	15.22	1.19	16.30	16.30	1.19	16.30	16.30	1.22
	600	4.04	3.71	0.96	6.24	5.69	1.02	8.42	7.47	1.06	10.73	9.77	1.09	13.39	13.39	1.13	15.18	15.18	1.17	15.48	15.48	1.17	15.48	15.48	1.18

See notes on pg. 30

HEAT PUMP HEATING PERFORMANCE CONTINUED

25HNA624A30 Outdoor Section With FE4ANF003 Indoor Section

Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
*FE4ANF003	1.00	1.00	1.00	1.00	
FE4ANF002	1.02	1.01	1.00	1.00	
FV4BNF002	0.99	1.00	0.99	1.02	
FV4BNF003	0.98	0.99	0.97	1.01	
CAP**2414A**	1.11	1.09	1.00	1.03	58CV(A.X)070-12
CAP**3014A**	1.06	1.07	1.00	1.02	58CV(A.X)070-12
CAP**3614A**	1.01	1.03	1.01	1.02	58CV(A.X)070-12
CAP**3617A**	1.01	1.03	1.01	1.02	58CV(A.X)070-12
CNPV*2417A**	1.11	1.07	1.01	1.03	58CV(A.X)070-12
CNPV*3017A**	1.05	1.06	1.01	1.03	58CV(A.X)070-12
CNPV*3617A**	1.05	1.06	1.01	1.03	58CV(A.X)070-12
CNPV*2414A**	1.11	1.07	1.01	1.03	58CV(A.X)070-12
CNPV*3014A**	1.05	1.06	1.01	1.03	58CV(A.X)070-12
CNPV*3617A**	1.05	1.06	1.01	1.03	58CV(A.X)070-12
CSPH*2412A**	1.11	1.09	1.01	1.03	58CV(A.X)070-12
CSPH*3012A**	1.02	1.04	1.01	1.03	58CV(A.X)070-12
CSPH*3612A**	0.91	0.95	1.03	1.02	58CV(A.X)070-12
CAP**2417A**	1.11	1.08	1.00	1.02	58CV(A.X)090-16
CAP**3017A**	1.06	1.06	1.01	1.02	58CV(A.X)090-16
CAP**3614A**	1.00	1.02	1.01	1.01	58CV(A.X)090-16
CAP**3617A**	1.00	1.01	1.01	1.01	58CV(A.X)090-16
CAP**3621A**	1.00	1.01	1.01	1.01	58CV(A.X)090-16
CNPV*2417A**	1.11	1.07	1.01	1.02	58CV(A.X)090-16
CNPV*3017A**	1.04	1.04	1.01	1.02	58CV(A.X)090-16
CNPV*3617A**	1.04	1.04	1.01	1.02	58CV(A.X)090-16
CNPV*2417A**	1.11	1.07	1.01	1.02	58CV(A.X)090-16
CNPV*3017A**	1.04	1.04	1.01	1.02	58CV(A.X)090-16
CNPV*3617A**	1.04	1.04	1.01	1.02	58CV(A.X)090-16
CNPV*2412A**	1.10	1.08	1.01	1.02	58CV(A.X)090-16
CSPH*3012A**	1.01	1.03	1.01	1.02	58CV(A.X)090-16
CSPH*3612A**	0.90	0.94	1.03	1.01	58CV(A.X)090-16
CAP**3621A**	1.00	1.02	1.01	1.01	58MV8040-14
CNPV*2417A**	1.11	1.07	1.01	1.03	58MV8040-14
CNPV*3017A**	1.04	1.05	1.01	1.02	58MV8040-14
CNPV*3617A**	1.04	1.05	1.01	1.02	58MV8040-14
CNPV*3621A**	1.04	1.05	1.01	1.02	58MV8040-14
CSPH*2412A**	1.09	1.08	1.01	1.03	58MV8040-14
CSPH*3012A**	1.01	1.03	1.01	1.03	58MV8040-14
CSPH*3612A**	0.89	0.94	1.03	1.01	58MV8040-14

Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
CAP**2417A**	1.11	1.08	1.00	1.02	58MV8060-14
CAP**3017A**	1.06	1.06	1.01	1.02	58MV8060-14
CAP**3614A**	1.01	1.03	1.01	1.02	58MV8060-14
CAP**3617A**	1.01	1.03	1.01	1.02	58MV8060-14
CNPV*2417A**	1.11	1.07	1.01	1.03	58MV8060-14
CNPV*3017A**	1.04	1.05	1.01	1.02	58MV8060-14
CNPV*3617A**	1.04	1.05	1.01	1.02	58MV8060-14
CNPV*2412A**	1.09	1.08	1.01	1.03	58MV8060-14
CSPH*3012A**	1.01	1.03	1.01	1.02	58MV8060-14
CSPH*3612A**	0.89	0.94	1.03	1.01	58MV8060-14

See notes on pg. 30

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR			OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																							
EDB	CFM	-3		7		17		27		37		47		57		67										
		Capacity MBtuh	Total 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	900	9.38	8.63	1.78	13.47	1.93	14.65	19.66	17.93	2.08	24.43	21.70	2.23	29.12	26.49	2.39	34.23	38.82	38.82	2.72	42.68	42.68	2.91			
	1050	9.69	8.92	1.80	15.09	1.94	16.01	20.21	18.43	2.09	25.08	22.28	2.23	30.05	27.35	2.38	35.11	39.01	39.01	2.66	38.63	38.63	2.69			
	1100	9.78	9.00	1.81	15.21	1.96	16.19	20.37	18.57	2.09	25.27	22.44	2.23	30.34	27.61	2.38	35.21	38.18	38.18	2.62	37.29	37.29	2.63			
	1200	9.95	9.15	1.82	15.44	1.96	16.44	20.64	18.82	2.10	25.59	22.73	2.24	30.86	28.09	2.37	35.28	36.05	36.05	2.54	34.95	34.95	2.55			
70	900	8.10	7.45	1.78	13.48	1.93	14.39	18.58	16.94	2.09	23.43	20.81	2.26	28.09	25.56	2.42	33.04	37.88	37.88	2.79	41.90	41.90	2.99			
	1050	8.39	7.72	1.80	13.89	1.95	14.89	19.10	17.41	2.10	24.07	21.38	2.26	28.91	26.30	2.42	34.20	38.30	38.30	2.73	39.20	39.20	2.80			
	1100	8.47	7.79	1.81	14.00	1.96	14.90	19.25	17.55	2.11	24.25	21.54	2.26	29.14	26.52	2.42	34.35	38.27	38.27	2.71	37.94	37.94	2.74			
	1200	8.62	7.93	1.82	14.22	1.97	15.12	19.52	17.80	2.12	24.57	21.82	2.27	29.58	26.92	2.41	34.52	36.69	36.69	2.64	35.73	35.73	2.65			
75	900	6.82	6.28	1.79	12.31	1.94	13.21	18.42	16.39	2.12	22.42	19.91	2.28	27.10	24.66	2.46	32.00	36.94	36.94	2.84	41.05	41.05	3.06			
	1050	7.06	6.50	1.81	12.68	1.96	13.68	17.98	16.39	2.12	23.04	20.46	2.29	27.85	25.35	2.45	33.12	37.49	37.49	2.79	39.61	39.61	2.91			
	1100	7.14	6.56	1.81	12.79	1.97	13.79	18.12	16.52	2.12	23.21	20.62	2.29	28.08	25.55	2.45	33.40	37.54	37.54	2.78	38.34	38.34	2.85			
	1200	7.28	6.69	1.82	12.99	1.98	13.99	18.38	16.76	2.13	23.53	20.90	2.29	28.48	25.92	2.45	33.70	37.15	37.15	2.74	36.31	36.31	2.76			
25HNA636A30 Outdoor Section With FE4ANB006 Indoor Section - High Stage																										
65	660	6.35	5.83	1.19	9.73	8.87	1.25	12.94	11.49	1.31	16.00	14.56	1.35	18.93	18.93	1.38	21.73	21.73	1.41	24.55	24.55	1.43				
	735	6.56	6.03	1.20	10.01	9.13	1.26	13.28	11.79	1.31	16.39	14.92	1.34	19.38	19.38	1.36	22.28	22.28	1.38	25.04	25.04	1.38				
	800	6.73	6.18	1.20	10.23	9.32	1.26	13.53	12.02	1.31	16.69	15.18	1.33	19.71	19.71	1.35	22.78	22.78	1.35	25.39	25.39	1.34				
	900	6.95	6.39	1.22	10.51	9.58	1.27	13.86	12.31	1.31	17.07	15.53	1.33	20.16	20.16	1.33	23.29	23.29	1.32	25.72	25.72	1.31				
70	660	5.24	4.81	1.20	8.73	7.96	1.27	12.04	10.69	1.34	15.16	13.79	1.39	18.14	18.14	1.44	20.98	20.98	1.48	23.83	23.83	1.50				
	735	5.43	4.99	1.21	9.00	8.21	1.28	12.36	10.98	1.34	15.55	14.15	1.39	18.60	18.60	1.42	21.53	21.53	1.45	24.35	24.35	1.45				
	800	5.57	5.12	1.22	9.20	8.39	1.29	12.61	11.20	1.34	15.84	14.42	1.38	18.94	18.94	1.41	21.95	21.95	1.42	24.70	24.70	1.42				
	900	5.78	5.31	1.23	9.48	8.64	1.30	12.95	11.50	1.35	16.23	14.77	1.38	19.38	19.38	1.40	22.54	22.54	1.39	25.10	25.10	1.39				
75	660	4.05	3.72	1.21	7.67	6.99	1.29	11.07	9.83	1.37	14.28	12.99	1.43	17.32	17.32	1.48	20.20	20.20	1.54	23.09	23.09	1.57				
	735	4.21	3.87	1.22	7.92	7.22	1.30	11.39	10.12	1.37	14.66	13.34	1.43	17.78	17.78	1.47	20.75	20.75	1.51	23.63	23.63	1.53				
	800	4.34	3.99	1.23	8.11	7.40	1.31	11.64	10.34	1.37	14.96	13.61	1.42	18.11	18.11	1.46	21.15	21.15	1.49	24.00	24.00	1.50				
	900	4.53	4.16	1.24	8.38	7.64	1.32	11.97	10.63	1.38	15.34	13.96	1.43	18.56	18.56	1.46	21.71	21.71	1.47	24.43	24.43	1.47				

See notes on pg. 30

See notes on pg. 30

HEAT PUMP HEATING PERFORMANCE CONTINUED

25HNA635A30 Outdoor Section With FE4ANB06 Indoor Section																				
Heating Indoor Model	Low Speed Capacity	Power	Furnace Model	Heating Indoor Model	High Speed Capacity	Power	Furnace Model	Heating Indoor Model	Low Speed Capacity	Power	Furnace Model	Heating Indoor Model	High Speed Capacity	Power	Furnace Model	Heating Indoor Model	Low Speed Capacity	Power	Furnace Model	
*FE4ANB008	1.00	1.00	1.00		CNPV*4221A**	0.96	1.03	58CV(A,X)110-20	CNPV*4221A**	1.08	1.05	CNPV*3621A**	0.95	1.08	1.05	58MV080-14	CNPV*4221A**	1.08	1.05	58MV080-14
FE4ANF002	0.96	1.06	0.98		CNPV*4821A**	0.98	1.04	58CV(A,X)110-20	CNPV*4821A**	0.96	1.03	CNPV*4821A**	0.98	1.05	1.03	58MV080-14	CNPV*4821A**	0.96	1.03	58MV080-14
FE4ANF003	0.95	1.04	0.97		CNPV*4824A**	0.98	1.02	58CV(A,X)110-20	CNPV*4824A**	1.06	1.03	CNPV*4824A**	0.98	1.06	1.03	58MV080-14	CNPV*4824A**	1.06	1.03	58MV080-14
FE4ANF005	0.99	1.02	0.99		CSPH*3612A**	0.97	1.05	58CV(A,X)110-20	CSPH*3612A**	1.07	1.04	CSPH*4824A**	0.98	1.07	1.03	58MV080-14	CSPH*3612A**	1.07	1.03	58MV080-14
FE4ANB004	1.01	1.00	1.00		CSPH*4212A**	0.98	1.04	58CV(A,X)110-20	CSPH*4212A**	1.07	1.04	CSPH*4212A**	0.97	1.07	1.04	58MV080-14	CSPH*4212A**	1.07	1.04	58MV080-14
FV4BNB006	1.01	1.00	0.97		CAP**4224A**	0.95	1.04	58CV(A,X)110-20	CAP**4224A**	1.06	1.03	CAP**3621A**	0.98	1.06	1.03	58MV080-14	CAP**4224A**	1.06	1.03	58MV080-14
FV4BNF002	0.98	1.07	0.95		CAP**4817A**	0.94	1.03	58CV(A,X)135-22	CAP**4817A**	1.05	1.03	CAP**4817A**	0.95	1.05	1.03	58MV080-20	CAP**4817A**	1.05	1.03	58MV080-20
FV4BNF003	0.96	1.04	0.95		CAP**4821A**	0.97	1.03	58CV(A,X)135-22	CAP**4821A**	1.06	1.03	CAP**4821A**	0.98	1.06	1.03	58MV080-20	CAP**4821A**	1.06	1.03	58MV080-20
FV4BNF005	1.00	1.02	0.97		CAP**4824A**	0.97	1.03	58CV(A,X)135-22	CAP**4824A**	1.03	1.03	CAP**4824A**	0.96	1.06	1.04	58MV080-20	CAP**4824A**	1.03	1.04	58MV080-20
CAP**3617A**	0.90	1.14	1.05		CNPV*4221A**	0.95	1.02	58CV(A,X)135-22	CNPV*4221A**	1.05	1.03	CNPV*4817A**	0.98	1.05	1.04	58MV080-20	CNPV*4221A**	1.05	1.03	58MV080-20
CAP**3621A**	1.00	1.14	1.05		CNPV*4821A**	0.97	1.03	58CV(A,X)135-22	CNPV*4821A**	1.03	1.03	CNPV*4824A**	0.98	1.05	1.03	58MV080-20	CNPV*4821A**	1.03	1.03	58MV080-20
CAP**4221A**	1.01	1.14	1.05		CNPV*4824A**	0.97	1.03	58CV(A,X)135-22	CNPV*4824A**	1.03	1.03	CNPV*3617A**	0.96	1.05	1.04	58MV080-20	CNPV*4824A**	1.03	1.04	58MV080-20
CAP**4224A**	1.01	1.14	1.05		CSPH*3612A**	0.96	1.04	58CV(A,X)135-22	CSPH*3612A**	1.04	1.04	CNPV*4817A**	0.98	1.04	1.04	58MV080-20	CNPV*4821A**	1.04	1.04	58MV080-20
CAP**4817A**	1.05	1.12	1.08		CSPH*4212A**	0.97	1.03	58CV(A,X)135-22	CSPH*4212A**	1.03	1.03	CAP**4817A**	0.96	1.05	1.03	58MV080-20	CNPV*4821A**	1.05	1.03	58MV080-20
CAP**4821A**	1.03	1.12	1.06		CSPH*4812A**	0.98	1.03	58CV(A,X)135-22	CSPH*4812A**	1.02	1.02	CNPV*3621A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CAP**4824A**	1.03	1.12	1.06		CNPV*3617A**	0.95	1.06	58CV(A,X)135-22	CNPV*3617A**	1.02	1.02	CNPV*4817A**	0.96	1.05	1.04	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*3618A**					CNPV*4221A**	0.95	1.02	58CV(A,X)155-22	CNPV*4221A**	1.02	1.02	CSPH*3612A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*3617A**	0.99	1.14	1.04		CNPV*4821A**	0.97	1.03	58CV(A,X)155-22	CNPV*4821A**	1.02	1.02	CSPH*4212A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*4821A**	1.01	1.13	1.05		CNPV*4824A**	0.95	1.06	58CV(A,X)155-22	CNPV*4824A**	1.03	1.03	CSPH*4812A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.03	1.03	58MV080-20
CNPV*4824A**	1.02	1.13	1.06		CNPV*3617A**	0.95	1.06	58CV(A,X)155-22	CNPV*3617A**	1.02	1.02	CSPH*4812A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*4821A**	1.02	1.13	1.06		CNPV*4221A**	0.95	1.02	58CV(A,X)155-22	CNPV*4221A**	1.02	1.02	CSPH*4812A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*4824A**	1.02	1.13	1.06		CNPV*4821A**	0.97	1.03	58CV(A,X)155-22	CNPV*4821A**	1.02	1.02	CSPH*4812A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CSPH*3612A**	0.96	1.08	0.96		CNPV*4824A**	0.95	1.06	58CV(A,X)155-22	CNPV*4824A**	1.03	1.03	CSPH*3612A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.03	1.03	58MV080-20
CAP**3617A**	0.99	1.05	0.97		CNPV*4221A**	0.95	1.02	58CV(A,X)1070-12	CNPV*4221A**	1.02	1.02	CSPH*3612A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.03	1.03	58MV080-20
CAP**4817A**	0.95	1.08	0.96		CNPV*4821A**	0.96	1.04	58CV(A,X)1070-12	CNPV*4821A**	1.02	1.02	CSPH*4212A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*3617A**	0.95	1.08	0.96		CNPV*4824A**	0.96	1.04	58CV(A,X)1070-12	CNPV*4824A**	1.02	1.02	CSPH*4812A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*4221A**	0.96	1.05	0.96		CNPV*3617A**	0.95	1.06	58CV(A,X)1070-12	CNPV*3617A**	1.02	1.02	CSPH*4812A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*4821A**	0.98	1.05	0.97		CNPV*4221A**	0.97	1.03	58CV(A,X)1070-12	CNPV*4221A**	1.02	1.02	CSPH*4812A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*4824A**	0.97	1.06	0.97		CNPV*4821A**	0.96	1.04	58CV(A,X)1070-12	CNPV*4821A**	1.02	1.02	CSPH*4812A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CSPH*3612A**	0.96	1.06	0.97		CNPV*4824A**	0.98	1.04	58CV(A,X)1070-12	CNPV*4824A**	1.02	1.02	CSPH*3612A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CSPH*4212A**	0.98	1.06	0.97		CNPV*3617A**	0.95	1.06	58CV(A,X)1090-16	CNPV*3617A**	1.02	1.02	CSPH*4212A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CSPH*4812A**	0.95	1.06	0.96		CNPV*4221A**	0.99	1.04	58CV(A,X)1090-16	CNPV*4221A**	1.02	1.02	CSPH*4812A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CAP**3617A**	0.99	1.04	0.98		CNPV*4821A**	0.97	1.03	58CV(A,X)1090-16	CNPV*4821A**	1.02	1.02	CSPH*4812A**	0.98	1.02	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CAP**4817A**	0.97	1.03	0.97		CNPV*4824A**	0.95	1.06	58CV(A,X)1090-16	CNPV*4824A**	1.02	1.02	CSPH*3617A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*3617A**	0.95	1.03	0.96		CNPV*3617A**	0.95	1.06	58CV(A,X)1090-16	CNPV*3617A**	1.02	1.02	CSPH*3617A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*4221A**	0.95	1.03	0.96		CNPV*4221A**	0.95	1.06	58CV(A,X)1090-16	CNPV*4221A**	1.02	1.02	CSPH*4212A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*4821A**	0.97	1.03	0.97		CNPV*4821A**	0.97	1.03	58CV(A,X)1090-16	CNPV*4821A**	1.02	1.02	CSPH*4212A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*3617A**	0.95	1.06	0.96		CNPV*4824A**	0.97	1.03	58CV(A,X)1090-16	CNPV*4824A**	1.02	1.02	CSPH*4812A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*4821A**	0.97	1.03	0.97		CNPV*3617A**	0.95	1.06	58CV(A,X)1090-16	CNPV*3617A**	1.02	1.02	CSPH*4812A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*4824A**	0.96	1.04	0.97		CNPV*4221A**	0.96	1.04	58CV(A,X)110-20	CNPV*4221A**	1.02	1.02	CSPH*4812A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CSPH*4212A**	0.97	1.04	0.97		CNPV*4821A**	0.97	1.03	58CV(A,X)110-20	CNPV*4821A**	1.02	1.02	CSPH*4812A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CSPH*4812A**	0.98	1.04	0.97		CNPV*4824A**	0.99	1.04	58CV(A,X)110-20	CNPV*4824A**	1.02	1.02	CSPH*3617A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CAP**3621A**	0.95	1.05	0.96		CNPV*3617A**	0.95	1.06	58CV(A,X)110-20	CNPV*3617A**	1.02	1.02	CSPH*3617A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CAP**4221A**	0.96	1.05	0.96		CNPV*4221A**	0.96	1.04	58CV(A,X)110-20	CNPV*4221A**	1.02	1.02	CSPH*4212A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CAP**4824A**	0.99	1.04	0.98		CNPV*4821A**	0.97	1.03	58CV(A,X)110-20	CNPV*4821A**	1.02	1.02	CSPH*4212A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CAP**4817A**	0.99	1.04	0.98		CNPV*4824A**	0.98	1.04	58CV(A,X)110-20	CNPV*4824A**	1.02	1.02	CSPH*4812A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CAP**4821A**	0.98	1.04	0.97		CNPV*3617A**	0.95	1.06	58CV(A,X)110-20	CNPV*3617A**	1.02	1.02	CSPH*4812A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CAP**4824A**	0.98	1.04	0.97		CNPV*4221A**	0.96	1.04	58CV(A,X)110-20	CNPV*4221A**	1.02	1.02	CSPH*4812A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*3617A**	0.95	1.06	0.96		CNPV*4821A**	0.97	1.03	58CV(A,X)110-20	CNPV*4821A**	1.02	1.02	CSPH*4812A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*4221A**	0.96	1.03	0.96		CNPV*4824A**	0.98	1.04	58CV(A,X)110-20	CNPV*4824A**	1.02	1.02	CSPH*3617A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*4821A**	0.98	1.04	0.97		CNPV*3617A**	0.95	1.06	58CV(A,X)110-20	CNPV*3617A**	1.02	1.02	CSPH*3617A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*4824A**	0.95	1.06	0.96		CNPV*4221A**	0.96	1.04	58CV(A,X)110-20	CNPV*4221A**	1.02	1.02	CSPH*4212A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20
CNPV*3617A**	0.95	1.06	0.96		CNPV*4821A**	0.97	1.03	58CV(A,X)110-20	CNPV*4821A**	1.02	1.02	CSPH*4212A**	0.95	1.06	1.03	58MV080-20	CNPV*4821A**	1.02	1.03	58MV080-20

See notes on pg. 30

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR				OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																							
EDB	CFM	-3		7		17		27		37		47		57		67		Total Sys-tem KWh	Total Sys-tem KWh								
		Capacity MBtuh	Total	Capacity MBtuh	Total	Capacity MBtuh	Total	Capacity MBtuh	Total	Capacity MBtuh	Total	Capacity MBtuh	Total	Capacity MBtuh	Total	Capacity MBtuh	Total										
25HNA648A30 Outdoor Section With FE4ANB006 Indoor Section - High Stage																											
65	1200	17.30	15.92	2.48	22.64	20.80	2.70	28.23	25.73	2.93	34.40	30.55	3.18	41.06	37.36	3.45	48.41	48.41	3.73	54.02	54.02	3.99	55.57	55.57	4.07		
	1400	17.74	16.32	2.50	23.17	21.29	2.72	28.91	26.36	2.94	35.23	31.29	3.18	42.35	38.54	3.42	47.36	47.36	3.63	48.28	48.28	3.68	49.00	49.00	3.72		
	1470	17.87	16.44	2.51	23.33	21.44	2.73	29.11	26.54	2.95	35.48	31.51	3.18	42.43	38.61	3.42	46.02	46.02	3.57	46.68	46.68	3.61	47.24	47.24	3.64		
	1600	18.10	16.65	2.53	23.60	21.69	2.75	29.45	26.85	2.96	35.87	31.86	3.19	42.36	38.55	3.41	43.65	43.65	3.47	44.06	44.06	3.49	44.40	44.40	3.52		
70	1200	16.19	14.89	2.50	21.59	19.84	2.74	27.16	24.76	2.98	33.25	29.54	3.24	39.81	36.23	3.53	47.24	47.24	3.82	54.15	54.15	4.14	56.63	56.63	4.27		
	1400	16.63	15.30	2.53	22.12	20.33	2.76	27.80	25.35	3.00	34.08	30.26	3.24	41.01	37.32	3.51	47.50	47.50	3.77	49.36	49.36	3.86	50.26	50.26	3.90		
	1470	16.76	15.42	2.54	22.28	20.48	2.77	28.00	25.53	3.00	34.32	30.48	3.25	41.40	37.67	3.50	46.81	46.81	3.73	47.72	47.72	3.78	48.48	48.48	3.82		
	1600	16.99	15.63	2.56	22.55	20.73	2.79	28.34	25.84	3.01	34.71	30.83	3.25	41.55	37.81	3.49	44.69	44.69	3.63	45.25	45.25	3.66	45.70	45.70	3.69		
75	1200	15.02	13.82	2.51	20.49	18.83	2.77	26.10	23.80	3.03	32.04	28.46	3.30	38.57	35.10	3.60	45.86	45.86	3.91	53.02	53.02	4.24	57.31	57.31	4.46		
	1400	15.46	14.22	2.55	21.02	19.31	2.79	26.74	24.38	3.04	32.92	29.24	3.30	39.57	36.01	3.59	46.57	46.57	3.86	50.25	50.25	4.03	51.38	51.38	4.09		
	1470	15.59	14.34	2.56	21.18	19.46	2.80	26.93	24.55	3.05	33.16	29.45	3.31	39.93	36.34	3.58	46.55	46.55	3.85	48.70	48.70	3.95	49.61	49.61	4.00		
	1600	15.80	14.54	2.58	21.45	19.71	2.82	27.24	24.84	3.06	33.55	29.79	3.32	40.59	36.94	3.58	45.40	45.40	3.79	46.15	46.15	3.83	46.80	46.80	3.87		
25HNA648A30 Outdoor Section With FE4ANB006 Indoor Section - Low Stage																											
OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																											
EDB	CFM	7		17		27		37		47		57		67		Total Sys-tem KWh	Total Sys-tem KWh										
		Capacity MBtuh	Total	Capacity MBtuh	Total	Capacity MBtuh	Total	Capacity MBtuh	Total	Capacity MBtuh	Total	Capacity MBtuh	Total	Capacity MBtuh	Total												
65	880	8.72	8.01	1.41	12.27	11.19	1.47	15.84	14.06	1.53	19.47	17.71	1.58	23.16	23.16	1.63	27.07	27.07	1.69	31.48	31.48	1.74					
	995	8.97	8.24	1.43	12.57	11.46	1.49	16.19	14.38	1.54	21.54	19.60	1.46	23.65	23.65	1.63	27.72	27.72	1.67	32.10	32.10	1.71					
	1050	9.08	8.34	1.44	12.70	11.58	1.50	16.34	14.51	1.55	20.06	18.25	1.59	23.85	23.85	1.63	28.04	28.04	1.67	32.33	32.33	1.70					
	1200	9.37	8.61	1.48	13.04	11.89	1.54	16.73	14.86	1.58	20.50	18.66	1.61	24.38	24.38	1.64	28.83	28.83	1.67	32.52	32.52	1.69					
70	880	7.77	7.14	1.43	11.40	10.39	1.50	15.02	13.34	1.57	18.67	16.99	1.63	22.40	22.40	1.69	26.22	26.22	1.75	30.63	30.63	1.80					
	995	8.01	7.36	1.46	11.70	10.67	1.52	15.37	13.65	1.58	19.09	17.38	1.63	22.89	22.89	1.68	26.85	26.85	1.73	31.28	31.28	1.78					
	1050	8.11	7.46	1.47	11.83	10.78	1.53	15.53	13.79	1.59	19.27	17.54	1.64	23.09	23.09	1.69	27.11	27.11	1.73	31.52	31.52	1.77					
	1200	8.40	7.72	1.51	12.16	11.09	1.57	15.91	14.13	1.62	19.72	17.94	1.66	23.59	23.59	1.70	27.87	27.87	1.73	32.04	32.04	1.76					
75	880	6.75	6.20	1.45	10.48	9.55	1.53	14.16	12.58	1.61	17.85	16.24	1.67	21.61	21.61	1.74	25.41	25.41	1.81	29.76	29.76	1.87					
	995	6.98	6.41	1.48	10.77	9.82	1.55	14.52	12.90	1.62	18.27	16.62	1.68	22.09	22.09	1.74	25.98	25.98	1.79	30.45	30.45	1.85					
	1050	7.08	6.50	1.49	10.89	9.93	1.56	14.67	13.03	1.63	18.44	16.78	1.69	22.30	22.30	1.74	26.23	26.23	1.79	30.70	30.70	1.84					
	1200	7.36	6.76	1.53	11.23	10.24	1.60	15.05	13.37	1.66	18.89	17.19	1.71	22.80	22.80	1.76	26.87	26.87	1.80	31.26	31.26	1.83					

See notes on pg. 30

1. *Journal of the American Medical Association*, 2000; 283: 2689-2696.

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR			OUTDOOR COIL ENTERING AIR TEMPERATURES deg F															
EDB	CFM	-3		7		17		27		37		47		57		67		
		Capacity MBtuh	Total Sys-tem KWh	Capacity MBtuh	Total Sys-tem KWh	Capacity MBtuh	Total Sys-tem KWh	Capacity MBtuh	Total Sys-tem KWh	Capacity MBtuh	Total Sys-tem KWh	Capacity MBtuh	Total Sys-tem KWh	Capacity MBtuh	Total Sys-tem KWh	Capacity MBtuh	Total Sys-tem KWh	
		Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	
25HNA660A30 Outdoor Section With FE4ANB006 Indoor Section - High Stage																		
65	1500	21.33	19.62	3.09	3.39	34.63	31.58	37.00	37.45	4.03	50.25	45.73	4.41	58.57	58.57	64.61	5.13	
	1750	21.95	20.19	3.15	3.43	35.55	32.41	37.2	43.22	38.39	4.04	51.81	47.15	4.39	58.06	58.06	60.10	
	1895	22.14	20.36	3.17	3.45	35.83	32.67	3.73	43.52	38.65	4.05	51.91	47.24	4.39	56.84	56.84	58.40	
	2000	22.47	20.67	3.21	3.48	36.34	33.13	3.76	44.05	39.12	4.07	51.89	47.22	4.39	54.24	54.24	55.35	
70	1500	19.86	18.27	3.13	3.45	33.40	30.45	3.78	40.82	36.25	4.12	48.60	44.22	4.51	57.21	64.74	5.34	
	1750	20.49	18.85	3.19	3.50	34.20	31.18	3.81	41.85	37.17	4.14	50.28	45.75	4.50	57.50	59.98	5.01	
	1895	20.67	19.02	3.21	3.51	34.45	31.41	3.82	42.14	37.43	4.14	50.63	46.07	4.50	57.23	58.43	4.92	
	2000	21.01	19.33	3.25	3.55	34.91	31.83	3.84	42.65	37.88	4.16	50.83	46.26	4.50	55.16	55.91	4.80	
75	1500	18.28	16.81	3.16	3.51	32.13	29.29	3.85	39.29	34.90	4.21	47.05	42.82	4.61	55.73	63.38	5.47	
	1750	18.89	17.38	3.22	3.56	32.95	30.04	3.89	40.39	35.87	4.23	48.44	44.08	4.61	56.35	60.48	5.23	
	1895	19.10	17.57	3.24	3.58	33.19	30.26	3.90	40.77	36.21	4.24	48.96	44.55	4.61	56.35	59.05	5.14	
	2000	19.40	17.85	3.28	3.61	33.61	30.64	3.93	41.27	36.65	4.26	49.61	45.15	4.61	55.56	56.52	5.00	
OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																		
INDOOR AIR			7		17		27		37		47		57		67			
EDB	CFM	Capacity MBtuh	Total System KWh	Capacity MBtuh	Total System KWh	Capacity MBtuh	Total System KWh	Capacity MBtuh	Total System KWh	Capacity MBtuh	Total System KWh	Capacity MBtuh	Total System KWh	Capacity MBtuh	Total System KWh	Capacity MBtuh	Total System KWh	
		Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	
25HNA660A30 Outdoor Section With FE4ANB006 Indoor Section - Low Stage																		
65	1100	14.03	12.89	2.13	19.69	17.96	2.28	25.13	22.32	2.41	30.44	27.70	2.54	35.59	35.59	41.19	2.77	
	1225	14.42	13.25	2.17	20.17	18.39	2.31	25.70	22.83	2.44	31.08	28.29	2.55	36.34	36.34	41.98	2.75	
	1330	14.76	13.56	2.21	20.57	18.76	2.34	26.14	23.21	2.46	31.56	28.72	2.57	36.92	36.92	42.47	2.74	
	1500	15.29	14.05	2.28	21.17	19.30	2.41	26.79	23.80	2.52	32.27	29.37	2.61	37.92	37.92	43.08	2.69	
70	1100	12.49	11.48	2.14	18.32	16.70	2.30	23.88	21.21	2.45	29.31	26.67	2.59	34.46	34.46	40.06	2.73	
	1225	12.87	11.83	2.18	18.80	17.14	2.33	24.45	21.71	2.48	29.95	27.26	2.61	35.20	35.20	40.92	2.74	
	1330	13.19	12.12	2.22	19.18	17.49	2.37	24.88	22.10	2.50	30.44	27.70	2.63	35.76	35.76	41.45	2.74	
	1500	13.70	12.59	2.29	19.77	18.03	2.44	25.55	22.69	2.57	31.17	28.36	2.68	36.58	36.58	42.13	2.77	
75	1100	10.90	10.01	2.15	16.88	15.39	2.32	22.57	20.05	2.48	28.11	25.58	2.64	33.37	33.37	38.88	2.94	
	1225	11.26	10.34	2.19	17.35	15.82	2.35	23.13	20.55	2.51	28.76	26.17	2.66	34.08	34.08	39.80	2.92	
	1330	11.55	10.62	2.22	17.72	16.15	2.39	23.57	20.83	2.54	29.25	26.62	2.68	34.60	34.60	40.38	2.92	
	1500	12.03	11.06	2.30	18.30	16.68	2.46	24.23	21.52	2.60	29.99	27.29	2.73	35.40	35.40	41.11	2.94	

See notes on pg. 30

HEAT PUMP HEATING PERFORMANCE CONTINUED

25HNA60A30 Outdoor Section With FE4ANB005 Indoor Section

Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
*FE4ANB006	1.00	1.00	1.00	1.00	
FV4BNB006	0.99	1.00	0.98	1.00	
CAP**6021A**	1.01	1.06	1.03	1.11	
CAP**6024A**	0.99	1.05	1.06	1.12	
CNPH*6024A**	1.03	1.08	1.06	1.13	
CNPV*6024A**	1.03	1.08	1.06	1.13	
CSPH*6012A**	1.03	1.06	1.06	1.12	
CAP**6021A**	1.01	1.05	0.99	1.02	58CV(A)110-20
CNPH*6024A**	1.02	1.06	0.99	1.02	58CV(A)110-20
CSPH*6012A**	1.02	1.04	0.99	1.02	58CV(A)110-20
CAP**6024A**	1.00	1.03	0.99	1.02	58CV(A)135-22
CNPH*6024A**	1.02	1.05	0.99	1.02	58CV(A)135-22
CNPV*6024A**	1.02	1.05	0.99	1.02	58CV(A)135-22
CSPH*6012A**	1.02	1.03	0.99	1.02	58CV(A)135-22
CAP**6024A**	1.00	1.03	0.99	1.02	58CV(A)155-22
CNPH*6024A**	1.02	1.04	0.98	1.01	58CV(A)155-22
CNPV*6024A**	1.02	1.02	0.99	1.01	58CV(A)155-22
CAP**6021A**	1.02	1.09	1.00	1.05	58MV B080-20
CNPH*6024A**	1.03	1.09	0.99	1.05	58MV B080-20
CSPH*6012A**	1.03	1.08	1.00	1.05	58MV B080-20
CAP**6021A**	1.01	1.07	0.99	1.03	58MV B100-20
CNPH*6024A**	1.03	1.09	0.99	1.04	58MV B100-20
CSPH*6012A**	1.03	1.07	0.99	1.03	58MV B100-20
CAP**6024A**	1.01	1.07	0.99	1.03	58MV B120-20
CNPH*6024A**	1.02	1.07	0.99	1.03	58MV B120-20
CNPV*6024A**	1.02	1.07	0.99	1.03	58MV B120-20
CSPH*6012A**	1.03	1.06	0.99	1.03	58MV B120-20

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

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

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

EDB — Entering Dry Bulb

GUIDE SPECIFICATIONS

GENERAL

System Description

Outdoor-mounted, air-cooled, split-system heat pump unit suitable for ground or rooftop installation. Unit consists of a hermetic compressor, an air-cooled coil, forward swept blade 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, forward swept blade, discharging air upward.

AIR-COOLED, SPLIT-SYSTEM HEAT PUMP

25HNA6

2 TO 5 NOMINAL TONS

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

Compressor

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

Condenser Coil

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

Refrigeration Components

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

Operating Characteristics

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

Electrical Requirements

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

Special Features

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