

288A
Evolution™ 18 Series Heat Pump
with Puron® Refrigerant
2 Through 5 Nominal Tons (Sizes 024-060)



Product Data



EVOLUTION™
SYSTEM

Bryant's heat pumps with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 288A has been designed utilizing Bryant'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, Bryant Heating & Cooling Systems 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

- 14-18 SEER/10.6-14.1 EER/8.4 - 9.2 HSPF

New Aesthetic Design

- DuraGuard Ultra™ Cabinet
 - Baked on powder paint
 - Steel louver coil guard
 - Color matched ceramic coated cabinet screws

Extra Quiet Operation

- AeroQuiet™ System II for sound as low as 69 dBA
 - Quiet mount split post compressor grommets
 - Quiet External AeroQuiet muffler
 - Exclusive AeroQuiet Top design
 - Electronic ECM 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

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

Controls and Diagnostics

- Evolution™ Control (MUST be used, no substitutes)
- Utility Interface Connection
- Up to 18 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 Evolution™ system

MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12	14
N	N	N	A	A/N	N	N	N	N	A/N	A/N	N	A
2	8	8	A	N	A	0	2	4	0	0	0	A
Product Family 2=HP	Tier 8= Evolution Series	SEER 8=18 SEER (Nominal)	Major Series A=Puron	Voltage N= 208-230-1 or 208/230-1	Variations A = Standard	Cooling Capacity			Open 0=Not Defined	Open 0=Not Defined	Open 0=Not Defined	Series A = Original Series



As an Energy Star® Partner, Bryant Heating & Cooling Systems 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	024-B	036-B	048-B	060-B
Puron Refrigerant	X	X	X	X
Up to 18 SEER	X			
Evolution Control System Only	X	X	X	X
2-Stage Scroll Compressor	X	X	X	X
DuraGuard Ultra™	X	X	X	X
AeroQuiet 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 Connections	X	X	X	X
Long Line capability	X	X	X	X
Low Ambient capability	X	X	X	X
Up to 18 Point Diagnostics	X	X	X	X
Quiet Shift Defrost	X	X	X	X
Vapor Fog Eliminator	X	X	X	X
Perfect Defrost	X	X	X	X

288A

PHYSICAL DATA

UNIT SIZE SERIES	024-B	036-B	048-B	060-B
Operating Weight (lb)	322	324	324	342
Shipping Weight (lb)	359	361	361	379
Compressor Type	Scroll			
REFRIGERANT	Puron® (R-410A)			
Control	TXV (Puron® Hard Shutoff)			
Charge (lb)	15.8	14.0	14.0	13.9
COND FAN	Forward Swept Propeller Type, Direct Drive			
Air Discharge	Vertical			
Air Qty (CFM)	2400/2700	2900/3450	3300/3800	3800/4250
Motor HP	1/5			
Motor RPM	550/606	582/690	660/765	742/828
COND COIL				
Face Area (Sq ft)	24.40			
Fins per In.	20			
Rows	2			
Circuits	10			
VALVE CONNECT. (In. ID)				
Vapor	3/4	3/4	7/8	7/8
Liquid	3/8			
REFRIGERANT TUBES* (In. OD)				
Vapor (0-80 Ft Tube Length)	3/4	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 REFRIGERANT 2-STAGE HEAT PUMP APPLICATIONS

UNIT NOM SIZE (Btuh)	ACCEPT- ABLE LIQUID LINE DIA (in. O.D.)	ACCEPT- ABLE VAPOR LINE DIA (In. O.D.)	COOLING CAPACITY LOSS (%) TOTAL EQUIVALENT LINE LENGTH (ft)										
			Standard Application			Long Line Application Requires Accessories							
			25	50	80	80+	100	125	150	175	200	225	250
24,000 2-Stage Puron HP	3/8	5/8	0	1	1	1	2	3	3	4	4	5	6
		3/4	0	0	0	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
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.

NOTE: Dashes (—) represent insufficient oil return to the compressor in heating mode. Use smaller tube diameter in this area.

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.

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 for the acceptable vapor tube diameters based on the total length to minimize the cooling capacity loss.

ACCESSORIES

KIT NUMBER	KIT NAME	024-B	036-B	048-B	060-B
KHALS0401LLS	SOLENOID VALVE	X	X	X	X
KHASS0701AAA*	SNOW STAND	X	X	X	X
KSASF0101AAA	SUPPORT FEET	X	X	X	X
KSATX0201PUR	TXV	X			
KSATX0301PUR	TXV		X		
KSATX0401PUR	TXV			X	
KSATX0501PUR	TXV				X

x = Accessory S = Standard

* Available from RCD

EVOLUTION* CONTROLS	DESCRIPTION
SYSTXBUID01-A*	Evolution Control Deluxe 7-Day Programmable (Wall-mounted system control.)
SYSTXBUIZ01-A*	Evolution Control Deluxe Zoning 7-Day Programmable (Wall-mounted control for a multi-zone system.)
SYSTXB4ZC01	Evolution 4-Zone Damper Control Module (Wall-mounted control for a four-zone system.)
SYSTXBBSMS01	Evolution Smart Sensor (Optional wall control used to monitor temperature and/or fan control in an individual zone.)
SYSTXBRRS01	Evolution Remote Room Sensor (Monitors temperature in an individual zone.)
SYSTXBBSAM01	Evolution System Access Module (Hardware for wireless access and control via phone or internet.)
SYSTXBBNIM01	Evolution Network Interface Module (Connects Heat Recovery and Energy Recovery Ventilators on non-zoning applications.)
SYSTXXXBPU01	Decorative Back Plate for Evolution Control (Decorative wall plate.)

* These Evolution 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)
Accumulator	Standard	Standard	Standard
Ball Bearing Fan Motor	Standard	Standard	Standard
Crankcase Heater	Standard	Standard	Standard
Compressor Start Assist Capacitor and Relay	Not Required Self-Equalizing	Not Required Self-Equalizing	Not Required Self-Equalizing
Evaporator Freeze Thermostat	Standard with Evolution Control	No	No
Low Ambient Control	Standard with Evolution Control	No	No
Liquid Line Solenoid Valve	No	Yes	No
Puron Balance Port Hard Shut-Off TXV	Yes†	Yes†	Yes†
Support Feet	Recommended	No	Recommended
Winter Start Control	Standard with Evolution Control	No	No

* 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. 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.

2. Snow Stand

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

Usage Guideline:

Suggested in the following applications:

- Heat pump installations in heavy snowfall areas.
- Heat pump installations in snowdrift locations.
- Heat pump installations in areas of prolonged subfreezing temperatures.
- All commercial installations.

3. Support Feet

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

Usage Guideline:

Suggested in the following applications:

- Coastal installations.
- Windy areas or where debris is normally circulating.
- Rooftop installations.

For improved sound ratings.

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.

ELECTRICAL DATA

UNIT SIZE – SERIES	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE†	MIN WIRE SIZE†	MAX LENGTH (FT)‡	MAX LENGTH (FT)‡	MAX FUSE ** or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA		60°C	75°C	60°C	75°C	
024–B	208/230–1	253	187	52.0	16.6	0.9	21.6	12	12	58	55	30
036–B				82.0	17.0	2.2	23.5	12	12	53	51	40
048–B				96.0	27.6	2.2	36.6	8	8	85	81	60
060–B				118.0	28.8	2.8	38.8	8	8	80	76	60

* 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°F) 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 – SERIES	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
024–B	69–low stage	46.9	48.4	48.9	59.5	53.2	48.5	42.4
	71–high stage	51.4	48.9	55.3	58.5	50.2	45.0	42.9
036–B	69–low stage	45.4	49.4	55.3	59.0	51.7	51.0	44.4
	71–high stage	52.4	52.9	55.8	58.5	54.7	51.5	44.9
048–B	70–low stage	52.4	51.4	53.3	52.5	57.2	52.0	44.9
	72–high stage	55.4	55.4	66.3	64.5	53.7	53.0	44.9
060–B	75–low stage	56.9	56.4	73.3	58.0	57.2	54.5	45.9
	75–high stage	56.4	56.9	72.8	61.5	56.7	55.0	46.4

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE–SERIES	REQUIRED SUBCOOLING (F)	OUTDOOR HEATING PISTION #
024–B	12 HIGH STAGE	38
036–B	12 HIGH STAGE	57
048–B	12 HIGH STAGE	61
060–B	12 HIGH STAGE	67

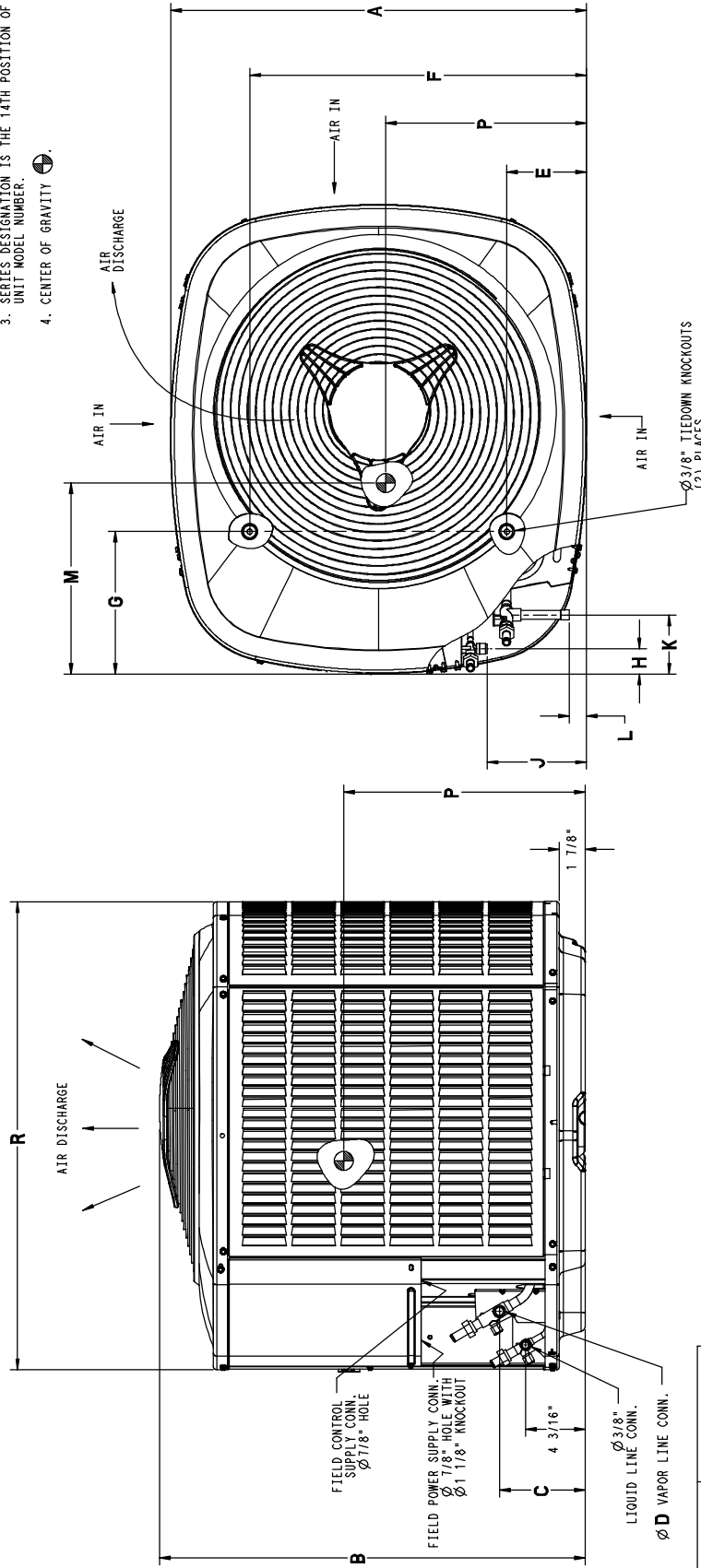
DIMENSIONS

UNIT	SERIES	ELECTRICAL CHARACTERISTICS	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	OPERATING WEIGHT	SHIPPING WEIGHT	SHIPPING DIMENSIONS (L x W x H)
286A024	B	X 0 0	35 1/2"	47 3/4"	6 5/16"	3/4"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	7"	4"	1 1/8"	19 1/2"	17"	20 1/2"	40"	322#	359#	41 1/8" X 36 5/8" X 51 1/16"
286A036	B	X 0 0	35 1/2"	47 3/4"	6 5/16"	3/4"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	7"	4"	1 1/8"	19 1/2"	17"	20 1/2"	40"	324#	361#	41 1/8" X 36 5/8" X 51 1/16"
286A048	B	X 0 0	35 1/2"	47 3/4"	6 1/4"	7/8"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	7"	4 1/16"	1 1/8"	19 1/2"	17"	20 1/2"	40"	324#	361#	41 1/8" X 36 5/8" X 51 1/16"
286A060	B	X 0 0	35 1/2"	47 3/4"	6 1/4"	7/8"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	7"	4 1/16"	1 1/8"	18 1/2"	17 1/2"	20 1/2"	40"	342#	379#	41 1/8" X 36 5/8" X 51 1/16"

X = YES
O = NO

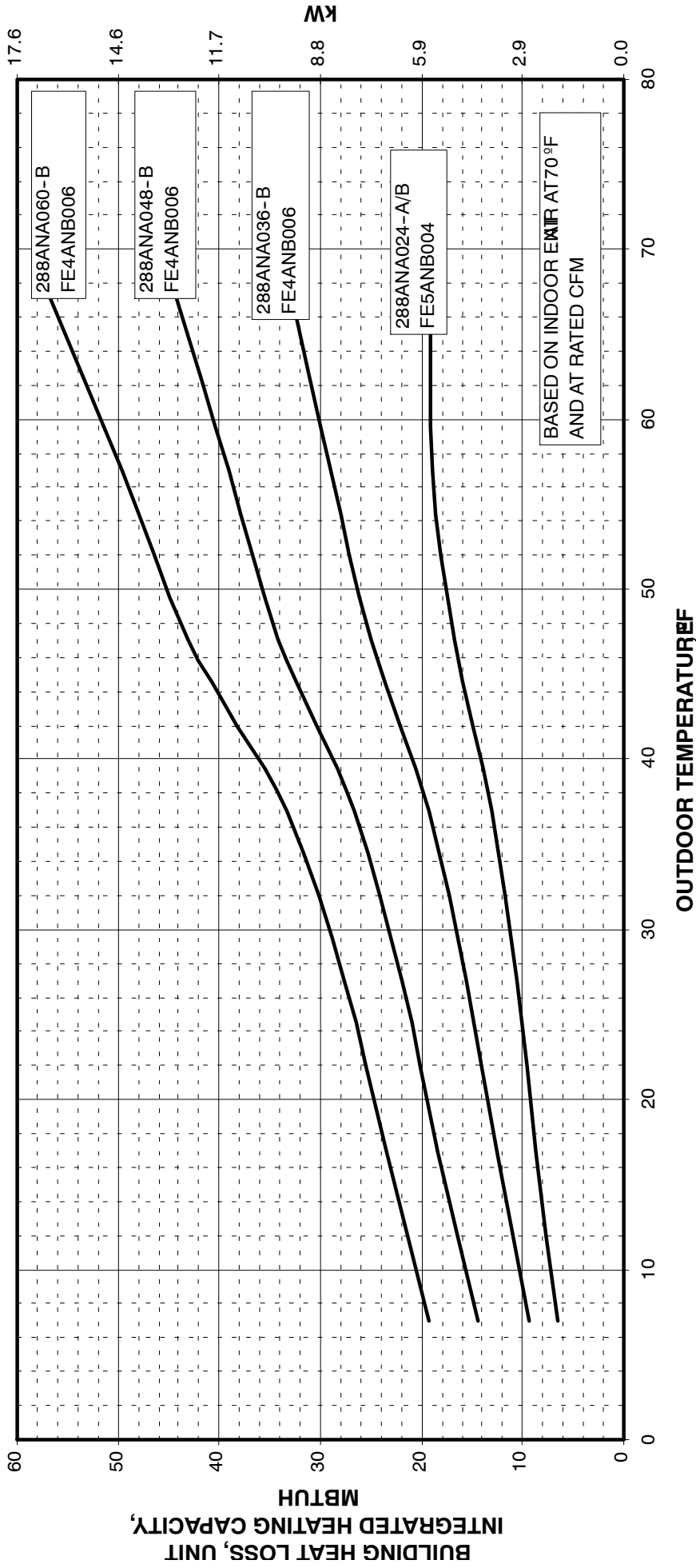
208-230-160	230-160	208/230-3-60	460-3-60
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- NOTES:
- ALLOW 30" CLEARANCE TO SERVICE SIDE OF UNIT, 48" ABOVE UNIT, 6" ON ONE SIDE, 12" ON REMAINING SIDE, AND 24" BETWEEN UNITS FOR PROPER AIRFLOW.
 - MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 55° F., MAX. 125° F.
 - SERIES DESIGNATION IS THE 14TH POSITION OF THE UNIT MODEL NUMBER.
 - CENTER OF GRAVITY

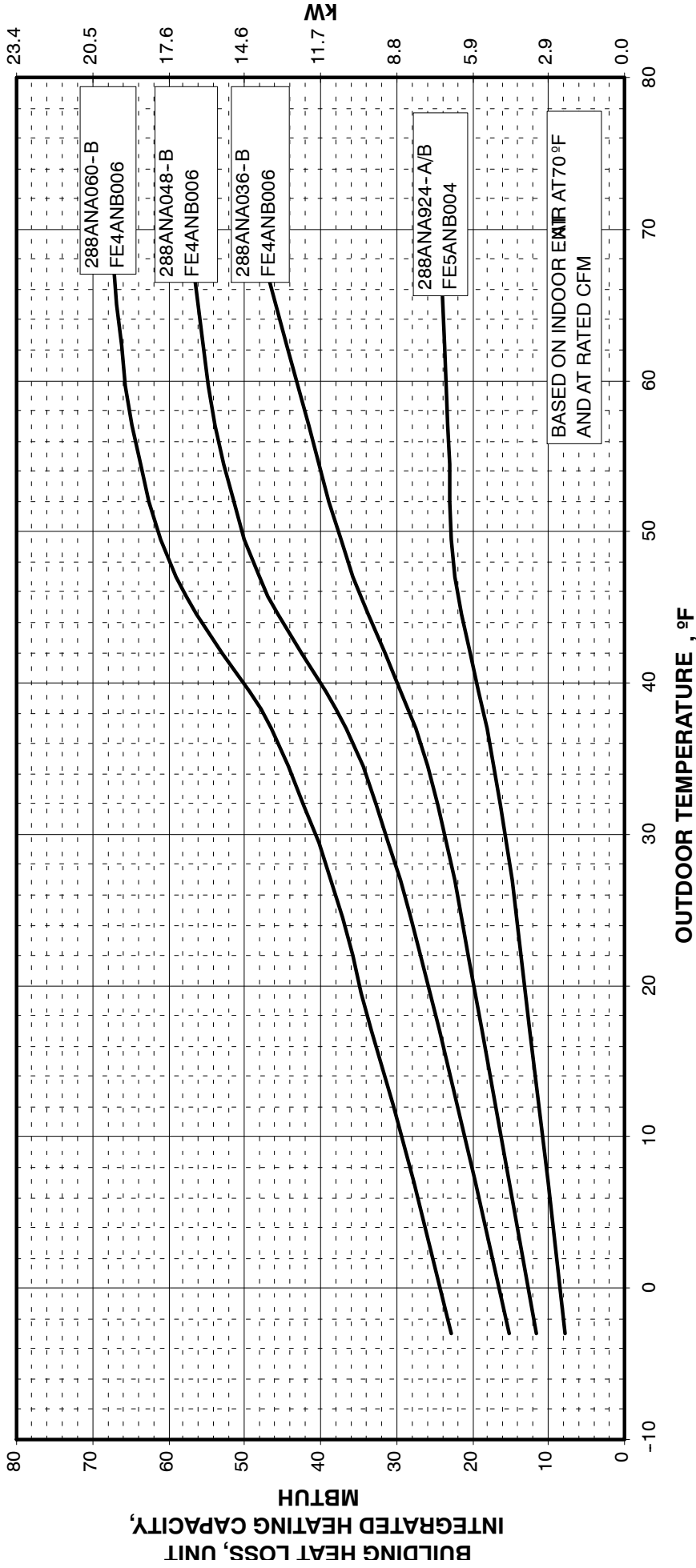


UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
-	29 1/2" X 33"
24, 36, 48, 60	36 1/2" X 40"

**288ANA BALANCE POINT WORKSHEET
LOW-STAGE**



**288ANA BALANCE POINT WORKSHEET
HIGH-STAGE**



COMBINATION RATINGS

Unit Size – Voltage & 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						
024-B	*FE5ANB004	26400	19000	18	13.9	800	665	22400	16800	2.64	3.06	13700	9500	2.78	2.4	9	
	FE4ANF002	25400	18400	17.5	13	800	665	22600	16600	2.58	3	13700	9400	2.66	2.26	8.3	
	FE4ANF003	25600	18400	17.8	13.3	800	665	22600	16400	2.58	2.98	13600	9400	2.66	2.28	8.3	
	CAP**4817A**	26000	18600	17.5	13.1	800	665	22800	16800	2.56	2.98	13900	9600	2.66	2.32	8.3	315(A,J)AV048090
	CAP**4817A**	26000	18600	17.5	13	800	665	22800	16800	2.56	2.96	13900	9600	2.66	2.3	8.3	315(A,J)AV060110
	CAP**4817A**	26000	18600	17	12.9	800	665	22800	16800	2.54	2.96	14000	9600	2.64	2.3	8.3	355AAV060080
	CAP**4817A**	26000	18600	17	13	800	665	22800	16800	2.56	2.96	13900	9600	2.66	2.3	8.3	355AAV060100
	CAP**4821A**	25800	18600	17.5	13.1	800	665	22600	16600	2.56	3	13800	9600	2.66	2.32	8.3	315(A,J)AV048090
	CAP**4821A**	25800	18600	17.5	13	800	665	22600	16800	2.56	2.98	13900	9600	2.66	2.32	8.3	315(A,J)AV060110
	CAP**4821A**	25800	18600	17.5	13.1	800	665	22600	16800	2.56	2.98	13800	9600	2.66	2.32	8.3	315(A,J)AV066135
	CAP**4821A**	25800	18600	17.5	13.2	800	665	22600	16600	2.56	3	13800	9600	2.68	2.32	8.3	315(A,J)AV066155
	CAP**4821A**	25800	18600	17	12.9	800	665	22600	16800	2.54	2.98	13900	9600	2.64	2.3	8.3	355AAV060080
	CAP**4821A**	25800	18600	17	13	800	665	22600	16800	2.56	2.98	13900	9600	2.64	2.3	8.3	355AAV060100
	CAP**4821A**	25800	18600	17.5	13.1	800	665	22600	16800	2.56	2.98	13900	9600	2.66	2.3	8.3	355AAV060120
	CAP**4824A**	25800	18600	17	13	800	665	22600	16800	2.56	2.98	13900	9600	2.66	2.3	8.3	315(A,J)AV060110
	CAP**4824A**	25800	18600	17.5	13.1	800	665	22600	16800	2.56	2.98	13800	9600	2.66	2.32	8.3	315(A,J)AV066135
	CAP**4824A**	25800	18600	17.5	13.2	800	665	22600	16800	2.56	2.98	13800	9600	2.66	2.32	8.3	315(A,J)AV066155
	CAP**4824A**	25800	18600	17	12.9	800	665	22600	16800	2.54	2.98	13900	9600	2.64	2.3	8.3	355AAV060080
	CAP**4824A**	25800	18600	17	13	800	665	22600	16800	2.54	2.98	13900	9700	2.64	2.3	8.3	355AAV060100
	CAP**4824A**	25800	18600	17	13.1	800	665	22600	16800	2.56	2.98	13900	9600	2.66	2.3	8.3	355AAV060120
	CAP**6021A**	26200	18800	17.5	13.3	800	665	22600	16600	2.56	2.96	13800	9500	2.66	2.34	8.3	315(A,J)AV048090
	CAP**6021A**	26200	18800	17.5	13.2	800	665	22600	16600	2.56	2.96	13800	9600	2.64	2.32	8.2	315(A,J)AV060110
	CAP**6021A**	26200	18800	17.5	13.3	800	665	22600	16600	2.56	2.96	13800	9600	2.66	2.34	8.3	315(A,J)AV066135
	CAP**6021A**	26200	18800	17.5	13.4	800	665	22600	16600	2.56	2.96	13800	9500	2.66	2.34	8.3	315(A,J)AV066155
	CAP**6021A**	26200	18800	17.5	13.1	800	665	22600	16700	2.54	2.94	13900	9600	2.62	2.32	8.2	355AAV060080
	CAP**6021A**	26200	18800	17.5	13.2	800	665	22600	16600	2.54	2.94	13800	9600	2.64	2.32	8.2	355AAV060100
	CAP**6021A**	26200	18800	17.5	13.3	800	665	22600	16600	2.56	2.94	13800	9600	2.64	2.32	8.2	355AAV060120
	CAP**6024A**	26200	18800	17.5	13.2	800	665	22600	16600	2.54	2.94	13800	9600	2.64	2.32	8.2	315(A,J)AV060110
	CAP**6024A**	26200	18800	17.5	13.2	800	665	22600	16600	2.56	2.94	13800	9600	2.64	2.32	8.2	315(A,J)AV066135
	CAP**6024A**	26200	18800	17.5	13.3	800	665	22600	16600	2.56	2.94	13800	9600	2.64	2.32	8.2	315(A,J)AV066155
	CAP**6024A**	26000	18800	17.5	13	800	665	22600	16600	2.52	2.94	13900	9600	2.62	2.3	8.2	355AAV060080
	CAP**6024A**	26200	18800	17.5	13.1	800	665	22600	16600	2.54	2.92	13800	9600	2.62	2.3	8.2	355AAV060100
	CAP**6024A**	26200	18800	17.5	13.2	800	665	22600	16600	2.54	2.94	13800	9600	2.64	2.3	8.2	355AAV060120
	CNPH*4821A**	25800	18600	17.5	13.1	800	665	22600	16600	2.56	3.02	13800	9500	2.66	2.3	8.4	315(A,J)AV048090
	CNPH*4821A**	25800	18600	17.5	13.1	800	665	22600	16600	2.56	3	13900	9500	2.64	2.3	8.3	315(A,J)AV060110
	CNPH*4821A**	26000	18600	17.5	13.1	800	665	22600	16600	2.56	3.02	13800	9500	2.66	2.3	8.4	315(A,J)AV066135
	CNPH*4821A**	26000	18600	17.5	13.2	800	665	22600	16600	2.58	3.02	13800	9500	2.66	2.3	8.4	315(A,J)AV066155
	CNPH*4821A**	25800	18600	17	12.9	800	665	22800	16600	2.54	3	13900	9500	2.64	2.3	8.3	355AAV060080
	CNPH*4821A**	25800	18600	17	13	800	665	22600	16600	2.56	3	13900	9600	2.64	2.28	8.3	355AAV060100
	CNPH*4821A**	25800	18600	17.5	13.1	800	665	22600	16600	2.56	3	13800	9500	2.66	2.3	8.3	355AAV060120
	CNPH*6024A**	26200	18800	17.5	13.3	800	665	22400	16600	2.56	3	13800	9600	2.64	2.36	8.5	315(A,J)AV048090
	CNPH*6024A**	26200	18800	17.5	13.2	800	665	22400	16600	2.54	2.98	13800	9600	2.64	2.34	8.5	315(A,J)AV060110
	CNPH*6024A**	26200	18800	17.5	13.3	800	665	22400	16600	2.56	3	13800	9600	2.64	2.36	8.5	315(A,J)AV066135
	CNPH*6024A**	26200	18800	17.5	13.4	800	665	22400	16400	2.56	3	13700	9600	2.66	2.36	8.5	315(A,J)AV066155
	CNPH*6024A**	26000	18800	17.5	13.1	800	665	22600	16600	2.52	2.98	13800	9700	2.62	2.34	8.3	355AAV060080
	CNPH*6024A**	26200	18800	17.5	13.2	800	665	22400	16600	2.54	2.98	13800	9700	2.64	2.34	8.4	355AAV060100
	CNPH*6024A**	26200	18800	17.5	13.2	800	665	22400	16600	2.54	2.98	13800	9700	2.64	2.34	8.4	355AAV060120
	CNPV*4821A**	25800	18700	17.5	13.1	800	665	22600	16600	2.56	3.02	13800	9500	2.66	2.3	8.4	315(A,J)AV048090
	CNPV*4821A**	25800	18600	17.5	13.1	800	665	22600	16600	2.56	3	13900	9500	2.64	2.3	8.3	315(A,J)AV060110
	CNPV*4821A**	26000	18600	17.5	13.1	800	665	22600	16600	2.56	3.02	13800	9500	2.66	2.3	8.4	315(A,J)AV066135
	CNPV*4821A**	26000	18600	17.5	13.2	800	665	22600	16600	2.58	3.02	13800	9500	2.66	2.3	8.4	315(A,J)AV066155
	CNPV*4821A**	25800	18600	17	12.9	800	665	22800	16600	2.54	3	13900	9500	2.64	2.3	8.3	355AAV060080
	CNPV*4821A**	25800	18600	17	13	800	665	22600	16600	2.56	3	13900	9600	2.64	2.28	8.3	355AAV060100
	CNPV*4821A**	25800	18600	17.5	13.1	800	665	22600	16600	2.56	3	13800	9500	2.66	2.3	8.3	355AAV060120
	CNPV*4824A**	25800	18600	17.5	13.1	800	665	22600	16600	2.56	3	13900	9500	2.64	2.3	8.3	315(A,J)AV060110
	CNPV*4824A**	26000	18600	17.5	13.1	800	665	22600	16600	2.56	3.02	13800	9500	2.66	2.3	8.4	315(A,J)AV066135
	CNPV*4824A**	26000	18600	17.5	13.2	800	665	22600	16600	2.58	3.02	13800	9500	2.66	2.3	8.4	315(A,J)AV066155
	CNPV*4824A**	25800	18600	17	12.9	800	665	22800	16600	2.54	3	13900	9500	2.64	2.3	8.3	355AAV060080
	CNPV*4824A**	25800	18600	17	13	800	665	22600	16600	2.56	3	13900	9600	2.64	2.28	8.3	355AAV060100
	CNPV*4824A**	25800	18600	17.5	13.1	800	665	22600	16600	2.56	3	13800	9500	2.66	2.3	8.3	355AAV060120
	CNPV*6024A**	26200	18800	17.5	13.2	800	665	22400	16600	2.54	2.98	13800	9600	2.64	2.34	8.5	315(A,J)AV060110
	CNPV*6024A**	26200	18800	17.5	13.3	800	665	22400	16600	2.56	3	13800	9600	2.64	2.36	8.5	315(A,J)AV066135
	CNPV*6024A**	26200	18800	17.5	13.4	800	665	22400	16400	2.56	3	13700	9600	2.66	2.36	8.5	315(A,J)AV066155
	CNPV*6024A**	26000	18800	17.5	13.1	800											

COMBINATION RATINGS CONTINUED

Unit Size – Voltage & 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						
024-B	CSPH*4812A**	26000	18600	17.5	13.1	800	665	22600	16600	2.56	3	13900	9500	2.66	2.3	8.4	315(A,J)AV048090
	CSPH*4812A**	26000	18600	17.5	13	800	665	22600	16600	2.54	3	13900	9600	2.64	2.3	8.3	315(A,J)AV060110
	CSPH*4812A**	26000	18600	17.5	13.1	800	665	22600	16600	2.56	3	13900	9600	2.66	2.3	8.3	315(A,J)AV066135
	CSPH*4812A**	26000	18600	17.5	13.2	800	665	22600	16600	2.56	3	13800	9600	2.66	2.3	8.4	315(A,J)AV066155
	CSPH*4812A**	26000	18600	17	12.9	800	665	22800	16600	2.54	2.98	13900	9600	2.62	2.3	8.3	355AAV060080
	CSPH*4812A**	26000	18600	17	13	800	665	22600	16600	2.54	2.98	13900	9600	2.64	2.28	8.3	355AAV060100
	CSPH*4812A**	26000	18600	17	13.1	800	665	22600	16600	2.56	2.98	13900	9600	2.66	2.3	8.3	355AAV060120
	CSPH*6012A**	26200	18800	17.5	13.2	800	665	22600	16800	2.56	2.96	13900	9600	2.64	2.32	8.3	315(A,J)AV048090
	CSPH*6012A**	26200	18800	17.5	13.3	800	665	22600	16800	2.56	2.96	13900	9600	2.64	2.32	8.3	315(A,J)AV060110
	CSPH*6012A**	26200	18800	17.5	13.3	800	665	22600	16800	2.56	2.96	13800	9600	2.66	2.32	8.3	315(A,J)AV066135
	CSPH*6012A**	26200	18800	17.5	13.3	800	665	22600	16800	2.56	2.98	13800	9600	2.66	2.32	8.3	315(A,J)AV066155
	CSPH*6012A**	26200	18800	17.5	13	800	665	22800	16800	2.54	2.96	13900	9600	2.64	2.3	8.3	355AAV060080
	CSPH*6012A**	26200	18800	17.5	13.1	800	665	22600	16800	2.54	2.96	13900	9600	2.64	2.3	8.3	355AAV060100
	CSPH*6012A**	26200	18800	17.5	13.2	800	665	22600	16800	2.56	2.96	13900	9600	2.66	2.3	8.3	355AAV060120
036-B	‡FE4ANB006	36000	25800	18.2	13.5	1200	925	36000	25000	4.26	4.36	21000	13800	2.92	2.58	9.5	
	FE4AN(B,F)003	34800	24800	17.2	12.6	1200	925	36000	24600	3.82	4.06	21000	13700	2.72	2.46	8.8	
	‡FE4AN(B,F)005	36400	25600	17.8	13.2	1200	925	36000	25000	4.08	4.26	21000	13800	2.84	2.54	9.2	
	FE4ANF002	34400	24600	16.5	12	1200	925	36000	24800	3.74	4	21400	13900	2.64	2.42	8.7	
	‡FE5ANB004	36800	25800	18.3	13.5	1200	925	33000	24000	3.68	4.14	19600	13000	2.8	2.42	9	
	CAP**3614A**	34200	24600	15.5	11.7	1200	925	37000	25000	3.64	3.9	21600	14000	2.6	2.38	8.6	315(A,J)AV036070
	CAP**3617A**	34200	24600	16	11.8	1200	925	36400	24800	3.76	3.94	21000	14000	2.68	2.38	8.7	315(A,J)AV036070
	CAP**3617A**	34600	24800	16.5	12.3	1200	925	36000	24800	3.76	4.02	21200	13800	2.68	2.42	8.7	315(A,J)AV048090
	CAP**3617A**	34400	24600	16	12.1	1200	925	36800	24800	3.72	3.98	21200	13900	2.66	2.4	8.7	355AAV042060
	CAP**3621A**	34800	24800	16.5	12.4	1200	925	36000	24800	3.78	4.02	21000	13800	2.7	2.42	9	315(A,J)AV060110
	CAP**3621A**	34400	24600	16	12	1200	925	36000	24800	3.72	3.98	21400	13900	2.64	2.4	8.7	355AAV042080
	CAP**3621A**	34600	24600	16	12.2	1200	925	36000	24800	3.74	3.96	21200	13900	2.66	2.4	8.7	355AAV060080
	CAP**3621A**	34600	24800	16.5	12.3	1200	925	36000	24800	3.76	4	21200	13900	2.68	2.42	8.7	355AAV060100
	CAP**4221A**	34800	25000	16.5	12.4	1200	925	36200	24800	3.92	4.08	20800	13800	2.78	2.46	9	315(A,J)AV048090
CAP**4221A**	35000	24800	16.5	12.5	1200	925	36000	24800	3.84	4.06	21200	13900	2.72	2.44	9	315(A,J)AV060110	
CAP**4221A**	34800	24800	16.5	12.1	1200	925	36000	25000	3.76	4.02	21400	13900	2.66	2.42	9	355AAV042080	
CAP**4221A**	34800	24800	16.5	12.2	1200	925	36000	25000	3.78	4.02	21200	14000	2.68	2.42	9	355AAV060080	
CAP**4221A**	35000	24800	16.5	12.4	1200	925	36000	24800	3.82	4.04	21200	13900	2.7	2.44	9	355AAV060100	
CAP**4224A**	35200	25000	17	12.8	1200	925	36000	24800	3.9	4.1	21000	13800	2.76	2.46	9	315(A,J)AV066135	
CAP**4224A**	35200	25000	17	12.8	1200	925	36000	24800	3.9	4.12	21000	13800	2.78	2.48	9	315(A,J)AV066155	
CAP**4224A**	34800	24800	16.5	12.2	1200	925	36000	25000	3.78	4.02	21400	14000	2.68	2.42	9	355AAV042040	
CAP**4224A**	35000	24800	16.5	12.5	1200	925	36000	24800	3.84	4.06	21200	13900	2.74	2.44	9	355AAV060120	
CAP**4817A**	35600	25200	16.5	12.3	1200	925	36000	25200	3.94	4.12	21600	14200	2.72	2.46	9	315(A,J)AV036070	
CAP**4817A**	35800	25400	17	12.7	1200	925	36000	25000	4.04	4.2	21400	14000	2.78	2.5	9.2	315(A,J)AV048090	
CAP**4817A**	35800	25400	17	12.6	1200	925	36000	25200	4.02	4.18	21400	14000	2.78	2.48	9.2	315(A,J)AV060110	
CAP**4817A**	35800	25400	16.5	12.5	1200	925	36000	25200	4	4.16	21400	14100	2.76	2.48	9	355AAV042060	
CAP**4817A**	35600	25200	16.5	12.3	1200	925	36000	25200	3.94	4.14	21600	14100	2.72	2.46	9	355AAV042080	
CAP**4817A**	35800	25200	16.5	12.4	1200	925	36000	25200	3.98	4.14	21600	14100	2.74	2.46	9	355AAV060080	
CAP**4817A**	35800	25400	16.5	12.5	1200	925	36000	25200	4	4.16	21400	14100	2.76	2.48	9	355AAV060100	
CAP**4821A**	35600	25200	17	12.7	1200	925	36000	25000	3.98	4.18	21200	13900	2.78	2.48	9.1	315(A,J)AV048090	
CAP**4821A**	35600	25200	17	12.7	1200	925	36000	25000	3.98	4.16	21200	13900	2.78	2.48	9.1	315(A,J)AV060110	
CAP**4821A**	35800	25200	17	12.9	1200	925	36000	25000	4.04	4.2	21200	13900	2.82	2.5	9.2	315(A,J)AV066135	
CAP**4821A**	35800	25400	17.5	13	1200	925	36000	25000	4.04	4.22	21000	13800	2.82	2.5	9.2	315(A,J)AV066155	
CAP**4821A**	35400	25200	16.5	12.4	1200	925	36000	25000	3.92	4.1	21400	14000	2.72	2.46	9	355AAV042040	
CAP**4821A**	35600	25200	16.5	12.5	1200	925	36000	25000	3.94	4.14	21400	14000	2.76	2.48	9	355AAV042060	
CAP**4821A**	35400	25200	16.5	12.3	1200	925	36000	25000	3.9	4.12	21400	14000	2.72	2.46	9	355AAV042080	
CAP**4821A**	35400	25200	16.5	12.4	1200	925	36000	25000	3.92	4.1	21400	14000	2.74	2.46	9	355AAV060080	
CAP**4821A**	35600	25200	17	12.6	1200	925	36000	25000	3.96	4.14	21400	14000	2.76	2.48	9.1	355AAV060100	
CAP**4821A**	35600	25200	17	12.7	1200	925	36000	25000	3.98	4.16	21200	14000	2.78	2.48	9.1	355AAV060120	
CAP**4824A**	35600	25200	17	12.7	1200	925	36000	25000	3.98	4.16	21200	13900	2.78	2.48	9.1	315(A,J)AV060110	
CAP**4824A**	35800	25200	17	12.9	1200	925	36000	25000	4.04	4.18	21200	13900	2.82	2.5	9.2	315(A,J)AV066135	
CAP**4824A**	35800	25200	17	13	1200	925	36000	25000	4.04	4.2	21000	13900	2.82	2.5	9.2	315(A,J)AV066155	
CAP**4824A**	35400	25200	16.5	12.4	1200	925	36000	25200	3.92	4.1	21400	14100	2.72	2.46	9	355AAV042040	
CAP**4824A**	35400	25200	16.5	12.3	1200	925	36000	25000	3.9	4.12	21400	14000	2.72	2.46	9	355AAV042080	
CAP**4824A**	35400	25200	16.5	12.5	1200	925	36000	25000	3.94	4.1	21400	14000	2.74	2.46	9	355AAV060080	
CAP**4824A**	35600	25200	16.5	12.6	1200	925	36000	25000	3.96	4.14	21400	14000	2.76	2.46	9	355AAV060100	
CAP**4824A**	35600	25200	17	12.7	1200	925	36000	25000	3.98	4.14	21200	14000	2.78	2.48	9.1	355AAV060120	
CNPH*3617A**	34200	24600	15.5	11.8	1200	925	36000	24800	3.64	3.9	21400	14000	2.6	2.38	8.5	315(A,J)AV036070	
CNPH*3617A**	34600	24600	16.5	12.2	1200	925	36000	24800	3.72	3.98	21200	13900	2.66	2.4	8.7	315(A,J)AV048090	
CNPH*3617A**																	

COMBINATION RATINGS CONTINUED

Unit Size – Voltage & 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				
036-B	CNPH*3617A**	34800	24600	16.5	12.4	1200	925	36000	24800	3.76	4	21000	13800	2.7	2.42	8.7	315(A,J)AV066155
	CNPH*3617A**	34400	24600	16	11.8	1200	925	36000	24800	3.66	3.92	21400	14000	2.6	2.38	8.6	355AAV042040
	CNPH*3617A**	34400	24600	16	12	1200	925	36000	24800	3.68	3.94	21200	13900	2.64	2.38	8.6	355AAV042060
	CNPH*3617A**	34200	24600	16	11.8	1200	925	36000	24800	3.64	3.92	21400	14000	2.6	2.38	8.6	355AAV042080
	CNPH*3617A**	34400	24600	16	11.9	1200	925	36000	24800	3.66	3.92	21400	14000	2.62	2.38	8.6	355AAV060080
	CNPH*3617A**	34400	24600	16	12	1200	925	36000	24800	3.68	3.94	21400	13900	2.64	2.4	8.6	355AAV060100
	CNPH*3617A**	34600	24600	16	12.2	1200	925	36000	24800	3.72	3.96	21200	13900	2.66	2.4	8.7	355AAV060120
	CNPH*4221A**	35000	24800	16.5	12.3	1200	925	36000	24800	3.82	4.04	21200	13900	2.7	2.44	9	315(A,J)AV036070
	CNPH*4221A**	35200	25000	17	12.7	1200	925	36000	24800	3.9	4.14	21000	13800	2.76	2.48	9.1	315(A,J)AV048090
	CNPH*4221A**	35200	25000	17	12.9	1200	925	36000	24600	3.92	4.16	21000	13700	2.78	2.5	9	315(A,J)AV060110
	‡CNPH*4221A**	35400	25000	17.5	13	1200	925	36000	24600	3.96	4.18	20800	13700	2.8	2.5	9.1	315(A,J)AV066135
	‡CNPH*4221A**	35400	25000	17.5	13.1	1200	925	36000	24600	3.96	4.16	20800	13700	2.82	2.5	9.1	315(A,J)AV066155
	CNPH*4221A**	35000	25000	16.5	12.5	1200	925	36000	24800	3.84	4.08	21200	13900	2.72	2.46	9	355AAV042040
	CNPH*4221A**	35200	25000	17	12.6	1200	925	36000	24800	3.86	4.1	21000	13800	2.74	2.46	9	355AAV042060
	CNPH*4221A**	35000	25000	17	12.4	1200	925	36000	24800	3.82	4.1	21200	13800	2.72	2.46	9	355AAV042080
	CNPH*4221A**	35000	25000	16.5	12.5	1200	925	36000	24800	3.84	4.06	21200	13900	2.72	2.44	9	355AAV060080
	CNPH*4221A**	35200	25000	17	12.7	1200	925	36000	24800	3.9	4.1	21000	13800	2.76	2.46	9	355AAV060100
	CNPH*4221A**	35200	25000	17	12.8	1200	925	36000	24800	3.9	4.1	21000	13800	2.78	2.46	9	355AAV060120
	CNPH*4821A**	35400	25200	16.5	12.3	1200	925	36000	25200	3.9	4.1	21400	14100	2.72	2.44	9	315(A,J)AV036070
	CNPH*4821A**	35600	25200	17	12.7	1200	925	36000	25000	3.98	4.18	21200	13900	2.78	2.5	9.2	315(A,J)AV048090
	CNPH*4821A**	35800	25200	17	12.8	1200	925	36000	25000	4	4.18	21200	13900	2.78	2.48	9	315(A,J)AV060110
	‡CNPH*4821A**	35800	25400	17	13	1200	925	36000	25000	4.04	4.2	21000	13900	2.82	2.5	9.2	315(A,J)AV066135
	‡CNPH*4821A**	35800	25400	17.5	13	1200	925	36000	25000	4.04	4.22	21000	13800	2.82	2.52	9.2	315(A,J)AV066155
	CNPH*4821A**	35600	25200	16.5	12.4	1200	925	36000	25000	3.92	4.12	21400	14000	2.74	2.46	9	355AAV042040
	CNPH*4821A**	35600	25200	17	12.6	1200	925	36000	25000	3.96	4.16	21400	14000	2.76	2.48	9	355AAV042060
	CNPH*4821A**	35400	25200	16.5	12.4	1200	925	36000	25000	3.9	4.14	21400	14000	2.72	2.46	9.1	355AAV042080
	CNPH*4821A**	35600	25200	16.5	12.5	1200	925	36000	25000	3.94	4.12	21400	14000	2.74	2.46	9	355AAV060080
	CNPH*4821A**	35600	25200	17	12.7	1200	925	36000	25000	3.96	4.16	21200	14000	2.78	2.48	9.1	355AAV060100
	CNPH*4821A**	35600	25200	17	12.7	1200	925	36000	25000	3.98	4.16	21200	14000	2.78	2.48	9.1	355AAV060120
	CNPV*3617A**	34200	24600	15.5	11.7	1200	925	36400	24800	3.7	3.9	21000	14000	2.66	2.38	8.6	315(A,J)AV036070
	CNPV*3617A**	34600	24600	16.5	12.2	1200	925	36000	24800	3.72	3.98	21200	13900	2.66	2.4	8.7	315(A,J)AV048090
	CNPV*3617A**	34400	24600	16	12	1200	925	36000	24800	3.68	3.94	21400	13900	2.64	2.38	8.6	355AAV042060
	CNPV*3621A**	34600	24600	16	12.1	1200	925	36000	24800	3.72	3.96	21200	13900	2.66	2.4	8.7	315(A,J)AV060110
	CNPV*3621A**	34400	24600	16	11.8	1200	925	36000	24800	3.64	3.92	21400	14000	2.6	2.38	8.6	355AAV042080
	CNPV*3621A**	34400	24600	16	12	1200	925	36000	24800	3.68	3.92	21400	14000	2.62	2.38	8.6	355AAV060080
	CNPV*3621A**	34400	24600	16	12	1200	925	36000	24800	3.7	3.96	21200	13900	2.64	2.4	8.6	355AAV060100
	CNPV*4221A**	35200	25000	17	12.9	1200	925	36000	24600	3.92	4.16	21000	13700	2.78	2.5	9.1	315(A,J)AV060110
	CNPV*4221A**	35000	25000	17	12.4	1200	925	36000	24800	3.82	4.1	21200	13800	2.72	2.46	9	355AAV042080
	CNPV*4221A**	35000	25000	16.5	12.5	1200	925	36000	24800	3.84	4.08	21200	13900	2.72	2.44	9	355AAV060080
	CNPV*4221A**	35200	25000	17	12.7	1200	925	36000	24800	3.9	4.1	21000	13800	2.76	2.46	9	355AAV060100
	CNPV*4821A**	35600	25200	17	12.7	1200	925	36000	25000	4	4.18	21200	13900	2.78	2.5	9.2	315(A,J)AV048090
	CNPV*4821A**	35800	25200	17	12.8	1200	925	36000	25000	4	4.18	21200	13900	2.78	2.48	9.2	315(A,J)AV060110
	‡CNPV*4821A**	35800	25400	17	13	1200	925	36000	25000	4.04	4.2	21000	13900	2.82	2.5	9.2	315(A,J)AV066135
	‡CNPV*4821A**	35800	25400	17.5	13	1200	925	36000	25000	4.04	4.22	21000	13800	2.82	2.52	9.2	315(A,J)AV066155
	CNPV*4821A**	35600	25200	16.5	12.4	1200	925	36000	25200	3.92	4.12	21400	14000	2.74	2.46	9	355AAV042040
	CNPV*4821A**	35600	25200	17	12.6	1200	925	36000	25000	3.96	4.16	21400	14000	2.76	2.48	9.1	355AAV042060
	CNPV*4821A**	35400	25200	16.5	12.4	1200	925	36000	25000	3.9	4.14	21400	14000	2.72	2.46	9.1	355AAV042080
	CNPV*4821A**	35600	25200	16.5	12.5	1200	925	36000	25000	3.94	4.12	21400	14000	2.74	2.46	9	355AAV060080
CNPV*4821A**	35600	25200	17	12.7	1200	925	36000	25000	3.96	4.16	21200	14000	2.76	2.48	9.1	355AAV060100	
CNPV*4821A**	35600	25200	17	12.7	1200	925	36000	25000	3.98	4.16	21200	14000	2.78	2.48	9.1	355AAV060120	
CNPV*4824A**	35800	25200	17	12.8	1200	925	36000	25000	4	4.18	21200	13900	2.78	2.48	9.1	315(A,J)AV060110	
‡CNPV*4824A**	35800	25400	17	13	1200	925	36000	25000	4.04	4.2	21000	13900	2.82	2.5	9.2	315(A,J)AV066135	
‡CNPV*4824A**	35800	25400	17.5	13	1200	925	36000	25000	4.04	4.22	21000	13800	2.82	2.52	9.2	315(A,J)AV066155	
CNPV*4824A**	35600	25200	16.5	12.4	1200	925	36000	25200	3.92	4.12	21400	14000	2.74	2.46	9	355AAV042040	
CNPV*4824A**	35400	25200	16.5	12.4	1200	925	36000	25000	3.9	4.14	21400	14000	2.72	2.46	9.1	355AAV042080	
CNPV*4824A**	35600	25200	16.5	12.5	1200	925	36000	25000	3.94	4.12	21400	14000	2.74	2.46	9	355AAV060080	
CNPV*4824A**	35600	25200	17	12.7	1200	925	36000	25000	3.96	4.16	21200	14000	2.76	2.48	9.1	355AAV060100	
CNPV*4824A**	35600	25200	17	12.7	1200	925	36000	25000	3.98	4.16	21200	14000	2.78	2.48	9.1	355AAV060120	
CSPH*3612A**	35200	25000	16	12.2	1200	925	36000	25200	3.84	4.02	21800	14100	2.68	2.42	9	315(A,J)AV036070	
CSPH*3612A**	35600	25200	17	12.6	1200	925	36000	25000	3.92	4.12	21200	14000	2.74	2.46	9	315(A,J)AV048090	
CSPH*3612A**	35400	25200	16.5	12.5	1200	925	36000	25000	3.9	4.1	21400	14000	2.74	2.46	9	315(A,J)AV060110	
CSPH*3612A**	35600	25200	17	12.7	1200	925	36000	25000	3.96	4.12	21200	13900	2.78	2.46	9.1	315(A,J)AV066135	
CSPH*3612A**	35600	25200	17	12.8	1200	925	36000	24800</									

COMBINATION RATINGS CONTINUED

Unit Size – Voltage & 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						
036-B	CSPH*3612A**	35600	25200	16.5	12.5	1200	925	36000	25000	3.92	4.1	21200	14000	2.74	2.46	9	355AAV060120
	CSPH*4212A**	35600	25200	16.5	12.3	1200	925	36000	25200	3.88	4.06	21600	14100	2.7	2.44	9	315(A,J)AV036070
	CSPH*4212A**	35800	25400	17	12.7	1200	925	36000	25000	3.98	4.16	21200	14000	2.78	2.48	9.1	315(A,J)AV048090
	CSPH*4212A**	35800	25200	17	12.7	1200	925	36000	25000	3.98	4.14	21400	14000	2.76	2.48	9	315(A,J)AV060110
	CSPH*4212A**	35800	25400	17	12.9	1200	925	36000	25000	4.02	4.16	21200	13900	2.8	2.48	9.1	315(A,J)AV066135
	CSPH*4212A**	36000	25400	17	12.9	1200	925	36000	25000	4.04	4.18	21200	13900	2.82	2.5	9.2	315(A,J)AV066155
	CSPH*4212A**	35600	25200	16.5	12.3	1200	925	36000	25200	3.9	4.08	21600	14100	2.72	2.44	9	355AAV042040
	CSPH*4212A**	35600	25200	16.5	12.5	1200	925	36000	25000	3.94	4.12	21400	14000	2.74	2.46	9	355AAV042060
	CSPH*4212A**	35600	25200	16.5	12.3	1200	925	36000	25200	3.9	4.1	21600	14100	2.72	2.44	9	355AAV042080
	CSPH*4212A**	35600	25200	16.5	12.4	1200	925	36000	25200	3.92	4.1	21400	14100	2.74	2.44	9	355AAV060080
	CSPH*4212A**	35600	25200	16.5	12.6	1200	925	36000	25000	3.94	4.12	21400	14000	2.76	2.46	9.1	355AAV060100
	CSPH*4212A**	35800	25200	17	12.7	1200	925	36000	25000	3.98	4.14	21400	14000	2.78	2.46	9	355AAV060120
	CSPH*4812A**	35600	25200	16.5	12.3	1200	925	36000	25200	3.92	4.1	21600	14100	2.72	2.44	9	315(A,J)AV036070
	CSPH*4812A**	36000	25400	17	12.7	1200	925	36000	25000	4	4.18	21400	14000	2.78	2.5	9.2	315(A,J)AV048090
	CSPH*4812A**	36000	25400	17	12.7	1200	925	36000	25000	4	4.16	21400	14000	2.78	2.48	9	315(A,J)AV060110
	CSPH*4812A**	36000	25400	17	12.9	1200	925	36000	25000	4.06	4.2	21200	13900	2.82	2.5	9.2	315(A,J)AV066135
	‡CSPH*4812A**	36000	25400	17.5	13	1200	925	36000	25000	4.06	4.22	21200	13900	2.82	2.5	9.2	315(A,J)AV066155
	CSPH*4812A**	35800	25200	16.5	12.4	1200	925	36000	25200	3.94	4.12	21600	14100	2.74	2.46	9	355AAV042040
	CSPH*4812A**	35800	25400	17	12.6	1200	925	36000	25200	3.98	4.14	21400	14000	2.76	2.48	9.1	355AAV042060
	CSPH*4812A**	35600	25200	16.5	12.3	1200	925	36000	25200	3.92	4.12	21600	14100	2.72	2.46	9	355AAV042080
	CSPH*4812A**	35800	25200	16.5	12.5	1200	925	36000	25200	3.96	4.12	21400	14100	2.74	2.46	9	355AAV060080
	CSPH*4812A**	35800	25400	17	12.6	1200	925	36000	25200	3.98	4.14	21400	14000	2.76	2.48	9.1	355AAV060100
	CSPH*4812A**	36000	25400	17	12.7	1200	925	36000	25000	4	4.16	21400	14000	2.78	2.48	9.1	355AAV060120
	*FE4ANB006	46500	34400	16.8	12.6	1400	1120	48000	34200	3.8	4.08	26800	20200	2.82	2.66	9.3	
	FE4AN(B,F)005	46000	34000	16.4	12.3	1400	1120	48000	34200	3.68	3.96	26800	20200	2.76	2.62	9.1	
CAP**4817A**	45000	33600	15.5	11.6	1400	1120	48000	34600	3.62	3.92	27400	20400	2.68	2.58	8.8	315(A,J)AV048090	
CAP**4821A**	44500	33400	15.5	11.5	1400	1120	48000	34400	3.62	3.88	26800	20200	2.7	2.56	8.7	315(A,J)AV048090	
CAP**4821A**	44500	33400	15.5	11.6	1400	1120	48000	34400	3.58	3.88	27200	20200	2.68	2.56	8.7	315(A,J)AV060110	
CAP**4821A**	44500	33200	15	11.4	1400	1120	48000	34400	3.56	3.82	27200	20400	2.66	2.54	8.6	355AAV060080	
CAP**4821A**	44500	33200	15.5	11.5	1400	1120	48000	34400	3.56	3.86	27200	20400	2.66	2.54	8.7	355AAV060100	
CAP**4824A**	45000	33400	15.5	11.9	1400	1120	48000	34200	3.64	3.92	27000	20200	2.72	2.58	8.8	315(A,J)AV066135	
CAP**4824A**	45000	33400	16	12	1400	1120	48000	34200	3.66	3.92	26800	20200	2.74	2.6	8.8	315(A,J)AV066155	
CAP**4824A**	44500	33400	15.5	11.6	1400	1120	48000	34400	3.58	3.88	27200	20200	2.68	2.56	8.7	355AAV060120	
CAP**6021A**	45500	34000	16	11.9	1400	1120	48000	34400	3.66	3.94	26800	20400	2.76	2.6	8.9	315(A,J)AV048090	
CAP**6021A**	46000	34000	16	12	1400	1120	48000	34400	3.64	3.96	27200	20200	2.74	2.6	8.9	315(A,J)AV060110	
CAP**6021A**	46000	34000	15.5	11.8	1400	1120	48000	34600	3.58	3.9	27400	20400	2.7	2.56	8.8	355AAV060080	
CAP**6021A**	46000	34000	15.5	11.9	1400	1120	49000	34400	3.6	3.94	27200	20400	2.7	2.6	8.8	355AAV060100	
CAP**6024A**	46000	34200	16	12.1	1400	1120	48000	34400	3.64	3.98	27000	20200	2.74	2.62	8.9	315(A,J)AV066135	
CAP**6024A**	46000	34200	16	12.2	1400	1120	48000	34400	3.66	3.98	27000	20200	2.76	2.62	8.9	315(A,J)AV066155	
CAP**6024A**	46000	34000	15.5	11.9	1400	1120	48000	34400	3.6	3.94	27200	20400	2.7	2.58	8.8	355AAV060120	
CNPH*4821A**	45000	33400	15.5	11.7	1400	1120	48000	34400	3.56	3.88	27000	20200	2.68	2.56	8.7	315(A,J)AV048090	
CNPH*4821A**	45000	33400	15.5	11.7	1400	1120	48000	34400	3.58	3.88	27000	20200	2.68	2.56	8.7	315(A,J)AV060110	
CNPH*4821A**	45000	33600	16	11.9	1400	1120	48000	34200	3.6	3.92	27000	20200	2.72	2.6	8.8	315(A,J)AV066135	
CNPH*4821A**	45000	33600	16	12	1400	1120	48000	34200	3.62	3.94	26800	20200	2.74	2.6	8.8	315(A,J)AV066155	
CNPH*4821A**	44500	33200	15	11.5	1400	1120	48000	34400	3.54	3.84	27200	20400	2.66	2.54	8.6	355AAV060080	
CNPH*4821A**	44500	33400	15.5	11.6	1400	1120	48000	34400	3.56	3.86	27200	20400	2.66	2.56	8.7	355AAV060100	
CNPH*4821A**	45000	33400	15.5	11.6	1400	1120	48000	34400	3.56	3.88	27200	20200	2.68	2.56	8.7	355AAV060120	
CNPH*6024A**	45500	34000	16	11.9	1400	1120	48000	34400	3.62	3.94	27200	20400	2.72	2.6	8.8	315(A,J)AV048090	
CNPH*6024A**	46000	34000	16	12	1400	1120	48000	34400	3.64	3.94	27200	20200	2.72	2.6	8.8	315(A,J)AV060110	
CNPH*6024A**	46000	34000	16	12.1	1400	1120	48000	34200	3.66	3.98	27000	20200	2.74	2.62	8.9	315(A,J)AV066135	
CNPH*6024A**	46000	34000	16	12.2	1400	1120	48000	34200	3.68	3.98	27000	20200	2.76	2.62	8.9	315(A,J)AV066155	
CNPH*6024A**	45500	33800	15.5	11.7	1400	1120	48000	34600	3.58	3.88	27200	20400	2.68	2.56	8.7	355AAV060080	
CNPH*6024A**	45500	34000	15.5	11.8	1400	1120	48000	34400	3.6	3.92	27200	20400	2.7	2.58	8.8	355AAV060100	
CNPH*6024A**	45500	34000	16	11.9	1400	1120	48000	34400	3.62	3.94	27200	20400	2.7	2.6	8.8	355AAV060120	
CNPV*4821A**	44500	33400	15.5	11.6	1400	1120	48000	34400	3.6	3.88	26800	20200	2.72	2.56	8.7	315(A,J)AV048090	
CNPV*4821A**	45000	33400	15.5	11.7	1400	1120	48000	34400	3.58	3.88	27000	20200	2.68	2.56	8.7	315(A,J)AV060110	
CNPV*4821A**	44500	33200	15	11.5	1400	1120	48000	34400	3.54	3.84	27200	20400	2.66	2.54	8.6	355AAV060080	
CNPV*4821A**	44500	33400	15.5	11.6	1400	1120	48000	34400	3.56	3.86	27200	20400	2.66	2.56	8.7	355AAV060100	
CNPV*4824A**	45000	33600	16	11.9	1400	1120	48000	34200	3.6	3.92	27000	20200	2.72	2.6	8.8	315(A,J)AV066135	
CNPV*4824A**	45000	33600	16	12	1400	1120	48000	34200	3.62	3.94	26800	20200	2.74	2.6	8.8	315(A,J)AV066155	
CNPV*4824A**	45000	33400	15.5	11.6	1400	1120	48000	34400	3.56	3.88	27200	20200	2.68	2.56	8.7	355AAV060120	
CNPV*6024A**	46000	34000	16	12.1	1400	1120	48000	34200	3.66	3.98	27000	20200	2.74	2.62	8.9	315(A,J)AV066135	
CNPV*6024A**	46000	34000	16	12.2	1400												

COMBINATION RATINGS CONTINUED

Unit Size – Voltage & 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				
048-B	CSPH*4812A**	45000	33600	15.5	11.6	1400	1120	48000	34400	3.6	3.9	27200	20400	2.68	2.56	8.7	315(A,J)AV048090
	CSPH*4812A**	45000	33600	15.5	11.7	1400	1120	48000	34400	3.6	3.9	27200	20400	2.7	2.56	8.7	315(A,J)AV060110
	CSPH*4812A**	45500	33800	15.5	11.9	1400	1120	48000	34400	3.64	3.94	27000	20200	2.72	2.6	8.8	315(A,J)AV066135
	CSPH*4812A**	45500	33800	16	12	1400	1120	48000	34400	3.66	3.94	27000	20200	2.74	2.6	8.8	315(A,J)AV066155
	CSPH*4812A**	45000	33600	15	11.5	1400	1120	48000	34600	3.56	3.86	27400	20600	2.66	2.54	8.7	355AAV060080
	CSPH*4812A**	45000	33600	15.5	11.6	1400	1120	48000	34600	3.58	3.88	27400	20400	2.68	2.56	8.7	355AAV060100
	CSPH*4812A**	45000	33600	15.5	11.6	1400	1120	48000	34400	3.6	3.9	27200	20400	2.68	2.56	8.7	355AAV060120
	CSPH*6012A**	46000	34000	16	12	1400	1120	48000	34400	3.66	3.96	27200	20400	2.72	2.6	9	315(A,J)AV048090
	CSPH*6012A**	46000	34200	16	12	1400	1120	48000	34400	3.68	3.96	27200	20400	2.74	2.6	9	315(A,J)AV060110
	CSPH*6012A**	46000	34200	16	12.2	1400	1120	48000	34400	3.72	4	27000	20200	2.76	2.62	8.9	315(A,J)AV066135
	CSPH*6012A**	46500	34200	16	12.3	1400	1120	48000	34400	3.74	4	27000	20200	2.78	2.64	9.1	315(A,J)AV066155
	CSPH*6012A**	46000	34000	15.5	11.8	1400	1120	48000	34600	3.64	3.9	27400	20400	2.7	2.58	8.8	355AAV060080
	CSPH*6012A**	46000	34000	16	11.9	1400	1120	48000	34400	3.66	3.94	27200	20400	2.72	2.6	9	355AAV060100
	CSPH*6012A**	46000	34000	16	11.9	1400	1120	48000	34400	3.66	3.96	27200	20400	2.72	2.6	9	355AAV060120
*FE4ANB006	57500	42000	15.5	11.6	1750	1400	59000	43000	3.6	3.86	36400	25800	2.74	2.52	9.1		
060-B	CAP**6021A**	56500	41400	14.5	11	1750	1400	59500	43000	3.44	3.72	37000	26000	2.64	2.46	8.8	315(A,J)AV060110
	CAP**6021A**	56000	41000	14	10.5	1750	1400	60000	43000	3.36	3.66	37600	26200	2.56	2.42	8.7	355AAV060080
	CAP**6021A**	56000	41000	14.4	10.7	1750	1400	60000	43000	3.38	3.68	37400	26200	2.6	2.42	8.7	355AAV060100
	CAP**6024A**	56500	41400	14.5	11.2	1750	1400	59500	43000	3.46	3.74	36800	26000	2.66	2.46	8.9	315(A,J)AV066135
	CAP**6024A**	56500	41400	15	11.3	1750	1400	59000	43000	3.48	3.76	36600	25800	2.68	2.48	8.9	315(A,J)AV066155
	CAP**6024A**	56000	41000	14.4	10.8	1750	1400	60000	43000	3.4	3.68	37200	26200	2.6	2.42	8.7	355AAV060120
	CNPH*6024A**	56000	41000	14.5	11	1750	1400	60000	43000	3.44	3.7	36800	26000	2.62	2.44	8.8	315(A,J)AV060110
	CNPH*6024A**	56500	41400	14.5	11.2	1750	1400	60000	43000	3.48	3.72	36600	26000	2.66	2.46	8.8	315(A,J)AV066135
	CNPH*6024A**	56500	41400	15	11.3	1750	1400	60000	43000	3.5	3.74	36600	25800	2.68	2.48	8.9	315(A,J)AV066155
	CNPH*6024A**	55500	41000	14	10.5	1750	1400	61000	43000	3.36	3.64	37400	26200	2.56	2.4	8.6	355AAV060080
	CNPH*6024A**	56000	41000	14.4	10.7	1750	1400	60000	43000	3.38	3.66	37200	26200	2.58	2.42	8.7	355AAV060100
	CNPH*6024A**	56000	41000	14.5	10.8	1750	1400	60000	43000	3.42	3.66	37000	26200	2.6	2.42	8.7	355AAV060120
	CNPV*6024A**	56500	41400	14.5	11.2	1750	1400	60000	43000	3.48	3.72	36600	26000	2.66	2.46	8.8	315(A,J)AV066135
	CNPV*6024A**	56500	41400	15	11.3	1750	1400	60000	43000	3.5	3.74	36600	25800	2.68	2.48	8.9	315(A,J)AV066155
	CNPV*6024A**	56000	41000	14.5	10.8	1750	1400	60000	43000	3.42	3.66	37000	26200	2.6	2.42	8.7	355AAV060120
	CSPH*6012A**	56500	41400	14.5	11.1	1750	1400	60000	43000	3.5	3.74	37000	26000	2.66	2.46	8.9	315(A,J)AV060110
	CSPH*6012A**	57000	41400	15	11.3	1750	1400	60000	43000	3.54	3.78	36800	26000	2.7	2.48	8.9	315(A,J)AV066135
	CSPH*6012A**	57000	41400	15	11.4	1750	1400	60000	43000	3.56	3.8	36600	25800	2.7	2.5	9	315(A,J)AV066155
	CSPH*6012A**	56000	41400	14	10.6	1750	1400	60000	43500	3.42	3.68	37600	26400	2.58	2.42	8.7	355AAV060080
	CSPH*6012A**	56500	41400	14.4	10.8	1750	1400	60000	43000	3.46	3.7	37400	26200	2.62	2.44	8.8	355AAV060100
	CSPH*6012A**	56500	41400	14.5	10.9	1750	1400	60000	43000	3.48	3.72	37200	26200	2.64	2.44	8.8	355AAV060120

* Tested Combination

† 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.

‡ Qualifies for tax credit requirement (15 SEER/13 EER/9 HSPF)

SEER — Seasonal Energy Efficiency Ratio

COP — Coefficient of Performance

TDR — Time-Delay Relay

HSPF — Heating Seasonal Performance Factor

EER — Energy Efficiency Ratio

288A

DETAILED COOLING CAPACITIES

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtuht	Sens†	Total System KW**	Capacity MBtuht	Sens†	Total System KW**	Capacity MBtuht	Sens†	Total System KW**	Capacity MBtuht	Sens†	Total System KW**	Capacity MBtuht	Sens†	Total System KW**	Capacity MBtuht	Sens†	Total System KW**
288ANA024 – B Outdoor Section With FE5ANB004 Indoor Section – Low Stage																			
	72	23.46	12.45	0.93	22.23	11.97	1.14	20.93	11.48	1.39	19.55	10.96	1.69	18.08	10.41	2.05	16.50	9.83	2.50
	67	20.99	15.30	0.91	19.85	14.80	1.12	18.65	14.29	1.37	17.38	13.75	1.67	16.02	13.19	2.03	14.57	12.59	2.48
600	63	19.25	14.66	0.90	18.18	14.17	1.10	17.05	13.65	1.35	15.86	13.11	1.65	14.59	12.56	2.02	13.22	11.96	2.46
	62	18.77	18.15	0.89	17.73	17.63	1.10	16.82	16.82	1.35	15.89	15.89	1.65	14.89	14.89	2.02	13.79	13.79	2.47
	57	18.51	18.51	0.89	17.69	17.69	1.10	16.82	16.82	1.35	15.88	15.88	1.65	14.89	14.89	2.02	13.79	13.79	2.47
	72	23.94	13.01	0.94	22.66	12.52	1.15	21.32	12.02	1.40	19.89	11.49	1.70	18.37	10.93	2.06	16.73	10.34	2.51
	67	21.43	16.18	0.92	20.25	15.66	1.13	19.00	15.14	1.38	17.68	14.59	1.68	16.29	14.01	2.04	14.79	13.40	2.49
665	63	19.65	15.49	0.90	18.54	14.97	1.11	17.38	14.45	1.36	16.14	13.90	1.66	14.84	13.32	2.03	13.42	12.71	2.47
	62	19.24	19.24	0.90	18.37	18.37	1.11	17.45	17.45	1.36	16.48	16.48	1.67	15.42	15.42	2.04	14.27	14.27	2.48
	57	19.24	19.24	0.90	18.37	18.37	1.11	17.45	17.45	1.36	16.47	16.47	1.67	15.42	15.42	2.04	14.27	14.27	2.48
	72	24.16	13.30	0.94	22.86	12.81	1.15	21.50	12.30	1.40	20.05	11.77	1.70	18.51	11.21	2.07	16.85	10.61	2.52
	67	21.63	16.63	0.92	20.43	16.12	1.13	19.16	15.59	1.38	17.83	15.03	1.68	16.41	14.45	2.05	14.88	13.83	2.49
700	63	19.84	15.91	0.91	18.71	15.40	1.12	17.53	14.87	1.37	16.28	14.31	1.67	14.95	13.73	2.03	13.52	13.11	2.48
	62	19.60	19.60	0.91	18.71	18.71	1.12	17.77	17.77	1.37	16.76	16.76	1.67	15.68	15.68	2.04	14.51	14.51	2.49
	57	19.60	19.60	0.91	18.71	18.71	1.12	17.77	17.77	1.37	16.76	16.76	1.67	15.68	15.68	2.04	14.50	14.50	2.49
CONDENSER ENTERING AIR TEMPERATURES deg F																			
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtuht	Sens†	Total System KW**	Capacity MBtuht	Sens†	Total System KW**	Capacity MBtuht	Sens†	Total System KW**	Capacity MBtuht	Sens†	Total System KW**	Capacity MBtuht	Sens†	Total System KW**	Capacity MBtuht	Sens†	Total System KW**
288ANA024 – B Outdoor Section With FE5ANB004 Indoor Section – High Stage																			
	72	30.67	15.94	1.41	29.68	15.62	1.64	28.56	15.26	1.91	27.30	14.86	2.21	25.85	14.39	2.55	24.23	13.87	2.95
	67	27.79	19.52	1.39	26.86	19.25	1.62	25.82	18.93	1.88	24.65	18.57	2.18	23.33	18.16	2.52	21.80	17.67	2.92
700	63	25.74	18.85	1.37	24.87	18.56	1.60	23.89	18.24	1.86	22.79	17.86	2.15	21.54	17.43	2.49	20.10	16.92	2.89
	62	25.18	23.12	1.37	24.32	22.89	1.59	23.36	22.62	1.85	22.31	22.27	2.15	21.37	21.37	2.49	20.29	20.29	2.89
	57	24.36	24.36	1.36	23.76	23.76	1.59	23.08	23.08	1.85	22.29	22.29	2.15	21.37	21.37	2.49	20.29	20.29	2.89
	72	31.07	16.37	1.42	30.05	16.06	1.65	28.90	15.70	1.92	27.60	15.29	2.22	26.14	14.84	2.57	24.46	14.31	2.96
	67	28.16	20.21	1.40	27.20	19.94	1.63	26.13	19.63	1.89	24.93	19.27	2.19	23.57	18.85	2.53	22.00	18.37	2.93
750	63	26.09	19.50	1.38	25.19	19.21	1.61	24.18	18.89	1.87	23.05	18.51	2.17	21.77	18.08	2.51	20.29	17.58	2.90
	62	25.52	24.05	1.38	24.64	23.83	1.61	23.67	23.55	1.86	22.80	22.80	2.16	21.85	21.85	2.51	20.72	20.72	2.91
	57	24.95	24.95	1.37	24.33	24.33	1.60	23.62	23.62	1.86	22.80	22.80	2.16	21.85	21.85	2.51	20.72	20.72	2.91
	72	31.42	16.80	1.43	30.37	16.48	1.67	29.19	16.13	1.93	27.87	15.73	2.23	26.37	15.27	2.58	24.66	14.74	2.98
	67	28.49	20.88	1.41	27.50	20.61	1.64	26.40	20.31	1.90	25.17	19.95	2.20	23.78	19.54	2.54	22.19	19.06	2.94
800	63	26.40	20.13	1.39	25.47	19.85	1.62	24.43	19.53	1.88	23.27	19.16	2.18	21.97	18.73	2.52	20.47	18.23	2.91
	62	25.83	24.97	1.39	24.94	24.74	1.62	24.12	24.12	1.88	23.27	23.27	2.18	22.28	22.28	2.52	21.12	21.12	2.92
	57	25.51	25.51	1.38	24.86	24.86	1.61	24.12	24.12	1.88	23.27	23.27	2.18	22.28	22.28	2.52	21.12	21.12	2.92

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 System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
288ANA036—B Outdoor Section With FE4ANB006 Indoor Section — Low Stage																			
	72	31.18	16.48	1.32	29.52	15.90	1.51	27.81	15.31	1.74	26.03	14.69	2.00	24.15	14.05	2.30	22.15	13.37	2.66
	67	28.07	20.16	1.32	26.53	19.59	1.52	24.95	19.00	1.75	23.30	18.40	2.02	21.57	17.76	2.33	19.73	17.08	2.69
750	†163	23.83	19.38	1.33	24.39	18.80	1.53	22.91	18.21	1.77	21.36	17.59	2.04	19.73	16.95	2.35	18.00	16.26	2.72
	62	25.23	23.84	1.33	23.82	23.27	1.54	22.39	22.26	1.77	21.15	21.15	2.04	19.89	19.89	2.35	18.53	18.53	2.71
	57	24.53	24.53	1.33	23.46	23.46	1.54	22.33	22.33	1.77	21.15	21.15	2.04	19.89	19.89	2.35	18.53	18.53	2.71
	72	32.35	17.93	1.34	30.58	17.34	1.54	28.74	16.73	1.77	26.83	16.10	2.02	24.83	15.45	2.33	22.72	14.75	2.68
	67	29.16	22.46	1.35	27.50	21.88	1.55	25.80	21.28	1.78	24.04	20.66	2.04	22.20	20.01	2.35	20.26	19.31	2.72
925	†163	26.86	21.55	1.35	25.31	20.96	1.56	23.71	20.35	1.79	22.06	19.72	2.06	20.33	19.05	2.37	18.51	18.34	2.74
	62	26.43	26.43	1.35	25.22	25.22	1.56	23.97	23.97	1.79	22.65	22.65	2.05	21.26	21.26	2.36	19.75	19.75	2.72
	57	26.43	26.43	1.35	25.22	25.22	1.56	23.97	23.97	1.79	22.65	22.65	2.05	21.26	21.26	2.36	19.75	19.75	2.72
	72	32.93	18.88	1.37	31.09	18.29	1.57	29.18	17.68	1.79	27.21	17.04	2.05	25.15	16.38	2.35	22.97	15.68	2.71
	67	29.69	24.01	1.38	27.97	23.43	1.58	26.21	22.82	1.81	24.39	22.19	2.07	22.51	21.53	2.38	20.53	20.79	2.74
1050	†163	27.37	23.00	1.38	25.76	22.41	1.59	24.10	21.79	1.82	22.40	21.15	2.09	20.63	20.46	2.40	18.88	18.88	2.77
	62	27.50	27.50	1.38	26.22	26.22	1.58	24.89	24.89	1.81	23.49	23.49	2.08	22.01	22.01	2.38	20.42	20.42	2.74
	57	27.50	27.50	1.38	26.22	26.22	1.58	24.89	24.89	1.81	23.49	23.49	2.08	22.01	22.01	2.38	20.42	20.42	2.74

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
288ANA036—B Outdoor Section With FE4ANB006 Indoor Section — High Stage																			
	72	41.66	21.63	2.14	39.88	20.73	2.36	37.99	19.82	2.60	35.97	18.89	2.87	34.86	18.82	2.78	32.45	17.29	3.12
	67	37.75	26.08	2.10	36.09	25.14	2.32	34.34	24.20	2.56	32.47	23.23	2.82	30.46	22.22	3.12	28.28	21.17	3.44
900	†163	34.92	25.20	2.07	33.36	24.27	2.29	31.70	23.32	2.53	29.95	22.35	2.79	28.06	21.34	3.08	26.01	20.29	3.40
	62	34.17	30.54	2.06	32.63	29.57	2.28	31.00	28.58	2.52	29.28	27.56	2.78	27.45	26.51	3.07	25.59	25.59	3.40
	57	32.29	32.29	2.04	31.14	31.14	2.27	29.91	29.91	2.51	28.59	28.59	2.77	27.16	27.16	3.07	25.59	25.59	3.40
	72	42.95	22.86	2.18	41.07	21.95	2.41	39.05	21.01	2.65	36.91	20.06	2.91	35.78	19.49	2.83	32.13	18.03	3.53
	67	38.93	28.05	2.14	37.17	27.08	2.36	35.31	26.10	2.60	33.33	25.10	2.87	31.21	24.07	3.16	29.79	23.34	3.11
1050	†163	36.04	27.06	2.11	34.37	26.10	2.33	32.62	25.12	2.57	30.77	24.11	2.83	28.78	23.08	3.12	26.62	21.99	3.44
	62	35.28	33.23	2.10	33.65	32.21	2.33	31.94	31.17	2.56	30.17	30.06	2.83	28.58	28.58	3.12	26.88	26.88	3.45
	57	34.14	34.14	2.09	32.88	32.88	2.32	31.55	31.55	2.56	30.12	30.12	2.83	28.58	28.58	3.12	26.88	26.88	3.45
	72	43.88	24.00	2.24	41.91	23.07	2.46	39.80	22.11	2.70	38.89	21.62	2.58	35.19	20.12	3.26	33.71	19.46	3.21
	67	39.79	29.89	2.19	37.94	28.90	2.42	36.00	27.90	2.65	33.94	26.87	2.92	32.75	26.22	2.83	29.35	24.69	3.53
1200	†163	36.86	28.80	2.16	35.11	27.81	2.38	33.28	26.80	2.62	31.34	25.77	2.88	29.27	24.71	3.17	27.03	23.59	3.49
	62	36.13	35.74	2.16	34.46	34.64	2.38	32.89	32.89	2.62	31.37	31.37	2.88	29.72	29.72	3.18	27.91	27.91	3.51
	57	35.65	35.65	2.15	34.31	34.31	2.38	32.89	32.89	2.62	31.37	31.37	2.88	29.72	29.72	3.18	27.91	27.91	3.51

See notes on pg. 22

DETAILED COOLING CAPACITIES CONTINUED

288AUA036 – B Outdoor Section With FE4ANB006 Indoor Section

Cooling Indoor Model	High Speed Capacity	Power	Furnace Model	Cooling Indoor Model	High Speed Capacity	Power	Furnace Model	Cooling Indoor Model	High Speed Capacity	Power	Furnace Model	Cooling Indoor Model	High Speed Capacity	Power	Furnace Model
*FE4ANB006	1.00	1.00	1.00		CAP**4224A**	0.98	315(A,J)AV066135	CAP**4224A**	0.98	1.03	315(A,J)AV066135	CSPH*4212A**	0.99	1.07	355AAV042060
FE4AN(B)F003	0.97	1.04	1.02		CAP**4821A**	0.99	315(A,J)AV066135	CAP**4821A**	0.99	1.03	315(A,J)AV066135	CSPH*4812A**	0.99	1.07	355AAV042060
FE4AN(B)F005	1.01	1.03	1.01		CAP**4824A**	0.96	315(A,J)AV066135	CAP**4824A**	0.96	1.03	315(A,J)AV066135	CAP**3621A**	1.08	1.05	355AAV042080
FE4ANF002	0.96	1.08	1.05		CNPH*3617A**	0.99	315(A,J)AV066135	CNPH*3617A**	0.99	1.08	315(A,J)AV066135	CAP**4221A**	0.97	1.08	355AAV042080
FESANB004	1.02	1.02	1.00		CNPH*4221A**	0.98	315(A,J)AV066135	CNPH*4221A**	0.98	1.01	315(A,J)AV066135	CAP**4817A**	1.09	1.05	355AAV042080
CAP**3614A**	0.95	1.10	0.95	315(A,J)AV036070	CNPH*4821A**	0.99	315(A,J)AV066135	CNPH*4821A**	0.99	1.03	315(A,J)AV066135	CAP**4821A**	1.08	1.05	355AAV042080
CAP**3617A**	0.95	1.09	0.95	315(A,J)AV036070	CNPV*4821A**	0.99	315(A,J)AV066135	CNPV*4821A**	0.99	1.03	315(A,J)AV066135	CAP**4824A**	1.08	1.05	355AAV042080
CAP**4817A**	0.99	1.09	0.98	315(A,J)AV036070	CNPV*4824A**	0.99	315(A,J)AV066135	CNPV*4824A**	0.99	1.03	315(A,J)AV066135	CNPH*3617A**	1.09	1.07	355AAV042080
CNPH*4212A**	0.97	1.07	0.96	315(A,J)AV036070	CSPH*3612A**	0.99	315(A,J)AV066135	CSPH*3612A**	0.99	1.04	315(A,J)AV066135	CNPH*4821A**	1.09	1.03	355AAV042080
CNPH*4821A**	0.98	1.08	0.98	315(A,J)AV036070	CSPH*4812A**	1.00	315(A,J)AV066135	CSPH*4812A**	1.00	1.05	315(A,J)AV066135	CNPV*3621A**	1.06	1.07	355AAV042080
CNPV*3617A**	0.95	1.10	0.95	315(A,J)AV036070	CAP**4224A**	0.98	315(A,J)AV066155	CAP**4224A**	0.98	1.02	315(A,J)AV066155	CNPV*4221A**	1.06	1.03	355AAV042080
CSPH*3612A**	0.98	1.08	0.97	315(A,J)AV036070	CAP**4821A**	0.99	315(A,J)AV066155	CAP**4821A**	0.99	1.03	315(A,J)AV066155	CNPV*4821A**	1.07	1.05	355AAV042080
CSPH*4212A**	0.99	1.09	0.98	315(A,J)AV036070	CAP**4824A**	0.96	315(A,J)AV066155	CAP**4824A**	0.96	1.02	315(A,J)AV066155	CNPV*4824A**	1.07	1.05	355AAV042080
CSPH*4812A**	0.99	1.09	0.98	315(A,J)AV036070	CNPH*3617A**	0.96	315(A,J)AV066155	CNPH*3617A**	0.96	1.04	315(A,J)AV066155	CSPH*3612A**	1.08	1.06	355AAV042080
CAP**3617A**	0.96	1.05	0.96	315(A,J)AV048090	CNPH*4221A**	0.98	315(A,J)AV066155	CNPH*4221A**	0.98	1.01	315(A,J)AV066155	CSPH*4212A**	1.09	1.06	355AAV042080
CAP**4221A**	0.97	1.05	0.97	315(A,J)AV048090	CNPH*4821A**	0.99	315(A,J)AV066155	CNPH*4821A**	0.99	1.03	315(A,J)AV066155	CSPH*4812A**	1.09	1.03	355AAV042080
CAP**4817A**	0.99	1.06	0.98	315(A,J)AV048090	CNPV*4821A**	0.99	315(A,J)AV066155	CNPV*4821A**	0.99	1.03	315(A,J)AV066155	CAP**3621A**	1.06	1.05	355AAV060080
CAP**4821A**	0.99	1.05	0.95	315(A,J)AV048090	CNPV*4824A**	0.99	315(A,J)AV066155	CNPV*4824A**	0.99	1.03	315(A,J)AV066155	CAP**4821A**	1.07	1.06	355AAV060080
CNPH*3617A**	0.96	1.06	0.95	315(A,J)AV048090	CSPH*3612A**	0.99	315(A,J)AV066155	CSPH*3612A**	0.99	1.04	315(A,J)AV066155	CAP**4817A**	1.08	1.06	355AAV060080
CNPH*4212A**	0.98	1.04	0.97	315(A,J)AV048090	CSPH*4212A**	1.00	315(A,J)AV066155	CSPH*4212A**	1.00	1.05	315(A,J)AV066155	CAP**4821A**	1.07	1.06	355AAV060080
CNPH*4821A**	0.99	1.05	0.98	315(A,J)AV048090	CSPH*4812A**	1.00	315(A,J)AV066155	CSPH*4812A**	1.00	1.04	315(A,J)AV066155	CAP**4824A**	1.06	1.06	355AAV060080
CNPV*3617A**	0.96	1.06	0.95	315(A,J)AV048090	CAP**4224A**	0.97	355AAV042040	CAP**4224A**	0.97	1.07	355AAV042040	CNPH*3617A**	1.08	1.07	355AAV060080
CNPV*4221A**	0.99	1.05	0.98	315(A,J)AV048090	CAP**4821A**	0.98	355AAV042040	CAP**4821A**	0.98	1.06	355AAV042040	CNPH*4221A**	1.05	1.04	355AAV060080
CNPV*4817A**	0.99	1.06	0.98	315(A,J)AV048090	CAP**4824A**	0.96	355AAV042040	CAP**4824A**	0.96	1.08	355AAV042040	CNPV*4221A**	1.07	1.05	355AAV060080
CSPH*3612A**	0.99	1.06	0.98	315(A,J)AV060110	CNPV*4821A**	0.99	355AAV042040	CNPV*4821A**	0.99	1.08	355AAV042040	CNPV*4821A**	1.07	1.05	355AAV060080
CSPH*4817A**	0.99	1.07	0.98	315(A,J)AV060110	CNPV*4824A**	0.99	355AAV042040	CNPV*4824A**	0.99	1.06	355AAV042040	CNPH*4821A**	1.07	1.06	355AAV060080
CAP**4812A**	0.99	1.05	0.98	315(A,J)AV060110	CSPH*3612A**	0.98	355AAV042040	CSPH*3612A**	0.98	1.05	355AAV042040	CSPH*4212A**	1.08	1.06	355AAV060080
CAP**4824A**	0.99	1.05	0.98	315(A,J)AV060110	CSPH*4212A**	0.99	355AAV042040	CSPH*4212A**	0.99	1.09	355AAV042040	CSPH*4812A**	1.07	1.05	355AAV060080
CNPH*3617A**	0.96	1.02	0.95	315(A,J)AV060110	CSPH*4812A**	0.99	355AAV042040	CSPH*4812A**	0.99	1.08	355AAV042040	CAP**3621A**	1.05	1.04	355AAV060100
CNPH*4212A**	0.98	1.02	0.97	315(A,J)AV060110	CAP**3617A**	0.96	355AAV042060	CAP**3617A**	0.96	1.07	355AAV042060	CAP**4221A**	1.06	1.05	355AAV060100
CNPV*4817A**	0.99	1.05	0.98	315(A,J)AV060110	CAP**4821A**	0.99	355AAV042060	CAP**4821A**	0.99	1.04	355AAV042060	CAP**4817A**	1.07	1.04	355AAV060100
CNPV*4821A**	0.99	1.05	0.98	315(A,J)AV060110	CAP**4824A**	0.96	355AAV042060	CAP**4824A**	0.96	1.05	355AAV042060	CAP**4821A**	1.06	1.05	355AAV060100
CSPH*3612A**	0.98	1.06	0.98	315(A,J)AV060110	CNPH*4212A**	0.99	355AAV042060	CNPH*4212A**	0.99	1.06	355AAV042060	CNPH*3617A**	1.08	1.06	355AAV060100
CSPH*4212A**	0.99	1.06	0.98	315(A,J)AV060110	CNPH*4821A**	0.99	355AAV042060	CNPH*4821A**	0.99	1.03	355AAV042060	CNPH*4212A**	1.04	1.04	355AAV060100
CSPH*4812A**	0.99	1.06	0.98	315(A,J)AV060110	CNPV*4817A**	0.99	355AAV042060	CNPV*4817A**	0.99	1.08	355AAV042060	CNPV*4821A**	1.08	1.06	355AAV060100
CSPH*4821A**	0.99	1.06	0.98	315(A,J)AV060110	CNPV*4821A**	0.99	355AAV042060	CNPV*4821A**	0.99	1.06	355AAV042060	CNPV*4821A**	1.08	1.06	355AAV060100
CSPH*4824A**	0.99	1.06	0.98	315(A,J)AV060110	CNPV*4824A**	0.99	355AAV042060	CNPV*4824A**	0.99	1.07	355AAV042060	CNPV*4221A**	1.04	1.03	355AAV060100

See notes on pg. 22

DETAILED COOLING CAPACITIES CONTINUED

288ANA036—B Outdoor Section With FE4ANB006 Indoor Section (Cont.)

Cooling Indoor Model	High Speed Capacity	Power	Low Speed Capacity	Power	Furnace Model
CNPV*4821A**	0.99	1.05	0.98	1.04	355AAV060100
CNPV*4824A**	0.99	1.05	0.98	1.04	355AAV060100
CSPH*3612A**	0.98	1.07	0.98	1.06	355AAV060100
CSPH*4212A**	0.99	1.06	0.98	1.05	355AAV060100
CSPH*4812A**	0.99	1.07	0.98	1.05	355AAV060100
CAP**4224A**	0.97	1.05	0.96	1.04	355AAV060120
CAP**4821A**	0.99	1.05	0.98	1.04	355AAV060120
CAP**4824A**	0.99	1.05	0.98	1.04	355AAV060120
CNPH*3617A**	0.96	1.06	0.95	1.05	355AAV060120
CNPH*4221A**	0.98	1.03	0.97	1.03	355AAV060120
CNPH*4821A**	0.99	1.05	0.98	1.04	355AAV060120
CNPV*4821A**	0.99	1.05	0.98	1.04	355AAV060120
CNPV*4824A**	0.99	1.05	0.98	1.04	355AAV060120
CSPH*3612A**	0.99	1.07	0.98	1.05	355AAV060120
CSPH*4212A**	0.99	1.06	0.98	1.04	355AAV060120
CSPH*4812A**	1.00	1.06	0.98	1.04	355AAV060120

See notes on pg. 22

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75			85			95			105			115			125		
		CFM	EWB	Capacity MBtu/h		Total System KW**	Capacity MBtu/h		Total System KW**	Capacity MBtu/h		Total System KW**	Capacity MBtu/h		Total System KW**	Capacity MBtu/h		Total System KW**	
Total	Sens†			Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		
288ANA048-B Outdoor Section With FE5ANB006 Indoor Section - Low Stage																			
	72	41.05	20.59	1.94	39.20	20.17	2.19	2.46	19.69	35.01	19.12	2.78	32.64	18.47	3.14	31.55	18.30	3.11	
	67	37.04	25.08	1.94	35.34	24.72	2.20	2.48	33.49	24.28	2.80	2.80	29.33	23.18	3.17	26.94	22.47	3.60	
950	†163	34.15	24.15	1.95	32.55	23.77	2.21	2.49	30.83	23.32	2.49	2.82	26.95	22.19	3.19	24.72	21.48	3.63	
	62	33.38	29.56	1.95	31.81	29.25	2.21	2.50	28.86	28.37	2.82	2.82	26.64	26.64	3.20	24.89	24.89	3.62	
	57	32.14	32.14	1.95	30.94	30.94	2.21	2.50	29.63	28.20	2.82	2.82	26.64	26.64	3.20	24.89	24.89	3.62	
	72	42.27	21.90	1.98	40.32	21.49	2.23	2.50	38.18	21.00	2.50	2.81	35.07	20.41	2.75	30.64	19.02	3.59	
	67	38.17	27.18	1.98	36.35	26.83	2.24	2.51	34.40	26.40	2.51	2.83	30.00	25.30	3.20	27.50	24.60	3.63	
1120	†163	35.22	26.13	1.99	33.52	25.76	2.24	2.53	31.69	25.31	2.53	2.85	27.59	24.18	3.23	25.26	23.46	3.66	
	62	34.48	32.42	1.99	32.85	32.55	2.25	2.53	31.31	31.31	2.53	2.85	28.05	28.05	3.22	26.15	26.15	3.64	
	57	34.05	34.05	1.99	32.73	32.73	2.25	2.53	31.31	31.31	2.53	2.85	28.05	28.05	3.22	26.15	26.15	3.64	
	72	43.15	23.16	2.04	41.12	22.76	2.28	2.56	38.88	22.27	2.56	2.87	33.86	21.05	3.22	32.81	20.94	3.20	
	67	38.99	29.26	2.04	37.09	28.91	2.29	2.57	35.04	28.50	2.57	2.89	30.46	27.40	3.25	27.83	26.67	3.67	
1300	†163	36.00	28.08	2.05	34.21	27.71	2.30	2.58	32.30	27.28	2.58	2.91	28.04	26.14	3.28	25.57	25.36	3.70	
	62	35.66	35.66	2.05	34.24	34.24	2.30	2.58	32.70	32.70	2.58	2.90	29.20	29.20	3.27	27.16	27.16	3.69	
	57	35.66	35.66	2.05	34.24	34.24	2.30	2.58	32.70	32.70	2.58	2.90	29.20	29.20	3.27	27.16	27.16	3.69	

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75			85			95			105			115			125		
		CFM	EWB	Capacity MBtu/h		Total System KW**	Capacity MBtu/h		Total System KW**	Capacity MBtu/h		Total System KW**	Capacity MBtu/h		Total System KW**	Capacity MBtu/h		Total System KW**	
Total	Sens†			Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		
288ANA048-B Outdoor Section With FE4ANB006 Indoor Section - High Stage																			
	72	55.51	28.17	3.04	52.87	26.88	3.33	3.64	50.04	25.54	24.17	3.99	43.82	22.74	4.36	42.03	21.87	4.35	
	67	50.45	34.17	2.99	48.01	32.78	3.28	3.59	45.43	31.35	29.88	3.93	41.17	28.96	3.84	36.51	26.78	4.71	
1200	†163	46.77	33.06	2.95	44.49	31.67	3.24	3.54	42.07	30.26	28.81	3.88	36.75	27.30	4.25	33.75	25.73	4.66	
	62	45.78	40.15	2.94	43.55	38.66	3.23	3.53	41.19	37.14	35.56	3.87	36.00	33.92	4.24	34.27	33.95	4.21	
	57	43.40	43.40	2.91	41.65	41.65	3.21	3.52	39.77	39.77	37.76	3.86	35.59	35.59	4.24	34.14	34.14	4.21	
	72	56.95	29.64	3.14	54.18	28.31	3.43	3.74	51.18	26.93	25.51	4.08	44.65	24.05	4.45	42.85	23.17	4.45	
	67	51.80	36.59	3.08	49.23	35.14	3.37	3.68	46.50	33.65	32.13	4.02	42.07	31.18	3.93	37.14	28.90	4.80	
1400	†163	48.05	35.34	3.04	45.64	33.90	3.33	3.64	43.09	32.43	30.92	3.97	37.50	29.36	4.34	35.65	28.27	4.31	
	62	47.08	43.49	3.03	44.73	41.91	3.32	3.63	42.26	40.28	39.37	3.97	37.22	37.22	4.34	35.71	35.71	4.31	
	57	45.65	45.65	3.02	43.75	43.75	3.31	3.62	41.73	41.73	39.56	3.96	37.22	37.22	4.34	35.71	35.71	4.31	
	72	57.92	30.94	3.26	55.01	29.57	3.54	3.85	51.93	28.16	26.71	4.19	45.15	25.21	4.57	43.36	24.34	4.56	
	67	52.72	38.81	3.20	50.04	37.31	3.48	3.79	47.19	35.78	34.20	4.13	40.97	32.57	4.50	37.49	30.86	4.91	
1600	†163	48.92	37.42	3.16	46.41	35.93	3.44	3.75	43.75	34.41	32.85	4.08	37.95	31.24	4.45	36.07	30.11	4.42	
	62	48.03	46.51	3.15	45.62	44.78	3.43	3.74	43.25	43.25	40.95	4.09	39.64	39.64	4.00	35.73	35.73	4.88	
	57	47.44	47.44	3.14	45.40	45.40	3.43	3.74	43.25	43.25	40.95	4.09	39.65	39.65	4.00	35.74	35.74	4.88	

See notes on pg. 22

DETAILED COOLING CAPACITIES CONTINUED

286ANA048 – B Outdoor Section With FE4ANB006 Indoor Section

Cooling Indoor Model	Furnace Model	High Speed Cap.	Power	Low Speed Cap.	Power	High Speed Cap.	Power	Low Speed Cap.	Cooling Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
*FE4ANB006		1.00	1.00	1.00	1.00									
FE4AN(B)005		0.99	1.01	0.99	1.01									
CAP**4817A**	315(A,J)AV048090	0.97	1.05	0.98	1.04				CNPH*6024A**	0.98	1.04	0.99	1.04	355AAV060100
CAP**4821A**	315(A,J)AV048090	0.96	1.05	0.97	1.04				CNPH*4821A**	0.96	1.04	0.97	1.04	355AAV060100
CAP**6021A**	315(A,J)AV048090	0.98	1.04	0.99	1.03				CSPH*6012A**	0.99	1.05	0.98	1.05	355AAV060100
CNPH*4821A**	315(A,J)AV048090	0.97	1.04	0.97	1.03				CAP**4824A**	0.96	1.04	0.97	1.04	355AAV060120
CNPH*6024A**	315(A,J)AV048090	0.98	1.04	0.99	1.03				CAP**6024A**	0.96	1.04	0.97	1.04	355AAV060120
CNPH*4821A**	315(A,J)AV048090	0.96	1.04	0.97	1.03				CNPH*6024A**	0.98	1.04	0.99	1.03	355AAV060120
CNPH*4812A**	315(A,J)AV048090	0.99	1.04	0.99	1.03				CNPH*4824A**	0.97	1.05	0.97	1.03	355AAV060120
CAP**4821A**	315(A,J)AV060110	0.96	1.04	0.97	1.04				CNPV*6024A**	0.98	1.04	0.99	1.03	355AAV060120
CAP**6021A**	315(A,J)AV060110	0.99	1.04	0.99	1.02				CSPH*4812A**	0.97	1.05	0.98	1.04	355AAV060120
CNPH*4821A**	315(A,J)AV060110	0.97	1.04	0.97	1.03				CNPH*6012A**	0.99	1.05	0.99	1.03	355AAV060120
CNPH*6024A**	315(A,J)AV060110	0.99	1.04	0.99	1.03				CNPH*4824A**	0.97	1.05	0.97	1.03	355AAV060120
CNPH*4821A**	315(A,J)AV060110	0.97	1.04	0.97	1.03				CNPV*4824A**	0.98	1.04	0.99	1.03	355AAV060120
CNPH*4812A**	315(A,J)AV060110	0.97	1.04	0.98	1.04				CNPH*6024A**	0.98	1.04	0.99	1.03	355AAV060120
CSPH*6012A**	315(A,J)AV060110	0.99	1.04	0.99	1.03				CNPH*4824A**	0.97	1.05	0.97	1.03	355AAV060120
CAP**4824A**	315(A,J)AV066135	0.97	1.02	0.97	1.02				CNPV*4824A**	0.98	1.04	0.99	1.03	355AAV060120
CAP**6024A**	315(A,J)AV066135	0.99	1.03	0.99	1.02				CNPH*6024A**	0.98	1.04	0.99	1.03	355AAV060120
CNPH*4821A**	315(A,J)AV066135	0.97	1.02	0.98	1.02				CSPH*6012A**	0.99	1.05	0.99	1.03	355AAV060120
CNPH*6024A**	315(A,J)AV066135	0.99	1.03	0.99	1.01				CNPH*4824A**	0.99	1.05	0.97	1.03	355AAV060120
CNPH*4824A**	315(A,J)AV066135	0.97	1.02	0.98	1.02				CNPV*4824A**	0.98	1.04	0.99	1.03	355AAV060120
CNPH*6024A**	315(A,J)AV066135	0.99	1.02	0.98	1.02				CNPH*6024A**	0.98	1.04	0.99	1.03	355AAV060120
CNPH*4812A**	315(A,J)AV066135	0.98	1.04	0.98	1.03				CSPH*4812A**	0.97	1.05	0.98	1.04	355AAV060120
CSPH*6012A**	315(A,J)AV066135	0.99	1.02	0.99	1.02				CNPH*6012A**	0.99	1.05	0.99	1.03	355AAV060120
CAP**4824A**	315(A,J)AV066155	0.97	1.02	0.97	1.01				CNPH*4824A**	0.97	1.05	0.97	1.03	355AAV060120
CAP**6024A**	315(A,J)AV066155	0.99	1.02	0.99	1.02				CNPV*4824A**	0.98	1.04	0.99	1.03	355AAV060120
CNPH*4821A**	315(A,J)AV066155	0.97	1.02	0.98	1.02				CNPH*6024A**	0.98	1.04	0.99	1.03	355AAV060120
CNPH*6024A**	315(A,J)AV066155	0.99	1.02	0.99	1.01				CSPH*4812A**	0.97	1.05	0.98	1.04	355AAV060120
CNPH*4824A**	315(A,J)AV066155	0.97	1.02	0.98	1.02				CNPH*4824A**	0.97	1.05	0.97	1.03	355AAV060120
CNPH*6024A**	315(A,J)AV066155	0.99	1.02	0.98	1.02				CNPV*4824A**	0.98	1.04	0.99	1.03	355AAV060120
CNPH*6012A**	315(A,J)AV066155	0.99	1.02	0.99	1.02				CNPH*6012A**	0.99	1.05	0.99	1.03	355AAV060120
CAP**4821A**	355AAV060080	0.96	1.06	0.97	1.05				CNPH*4821A**	0.96	1.04	0.97	1.04	355AAV060100
CAP**6021A**	355AAV060080	0.99	1.06	0.99	1.05				CNPH*6021A**	0.99	1.05	0.99	1.03	355AAV060100
CNPH*4821A**	355AAV060080	0.96	1.05	0.97	1.05				CNPH*4821A**	0.96	1.04	0.97	1.04	355AAV060100
CNPH*6024A**	355AAV060080	0.98	1.05	0.98	1.04				CNPH*6024A**	0.98	1.04	0.99	1.03	355AAV060100
CNPH*4812A**	355AAV060080	0.96	1.05	0.97	1.05				CNPH*4812A**	0.96	1.04	0.97	1.04	355AAV060100
CSPH*4812A**	355AAV060080	0.97	1.06	0.98	1.06				CNPH*4812A**	0.97	1.05	0.98	1.04	355AAV060100
CSPH*6012A**	355AAV060080	0.99	1.06	0.99	1.05				CNPH*6012A**	0.99	1.05	0.99	1.03	355AAV060100
CAP**4821A**	355AAV060100	0.96	1.05	0.97	1.04				CNPH*4821A**	0.96	1.04	0.97	1.04	355AAV060100
CAP**6021A**	355AAV060100	0.99	1.05	0.99	1.03				CNPH*6021A**	0.99	1.05	0.99	1.03	355AAV060100
CNPH*4821A**	355AAV060100	0.96	1.04	0.97	1.04				CNPH*4821A**	0.96	1.04	0.97	1.04	355AAV060100

See notes on pg. 22

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75			85			95			105			115			125		
		Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**
CFM	EWB	Total	Sens†	Sens†	Total	Sens†	Sens†	Sens†	Total	Sens†	Sens†	Sens†	Total	Sens†	Sens†	Total	Sens†	Sens†	Total
		288ANA060-B Outdoor Section With FE4ANB006 Indoor Section - Low Stage																	
	72	50.06	25.99	2.51	47.81	25.03	2.85	45.37	24.01	3.22	42.76	22.94	3.64	39.93	21.81	4.13	36.83	20.61	4.70
	67	45.49	31.98	2.52	43.43	30.97	2.87	41.19	29.91	3.25	38.79	28.79	3.68	36.20	27.61	4.18	33.36	26.36	4.76
1200	†163	42.19	30.89	2.53	40.25	29.88	2.88	38.17	28.82	3.27	35.92	27.71	3.71	33.51	26.54	4.22	30.86	25.29	4.81
	62	41.31	37.95	2.54	39.42	36.88	2.89	37.40	35.75	3.28	35.25	34.90	3.72	33.19	33.19	4.23	31.06	31.06	4.81
	57	40.02	40.02	2.54	38.51	38.51	2.89	36.89	36.89	3.28	35.12	35.12	3.72	33.19	33.19	4.23	31.06	31.06	4.81
	72	51.14	27.41	2.59	48.80	26.43	2.92	46.24	25.38	3.29	43.50	24.28	3.71	40.54	23.13	4.20	37.31	21.90	4.76
	67	46.52	34.34	2.60	44.35	33.30	2.94	42.00	32.20	3.32	39.49	31.05	3.75	36.78	29.83	4.25	33.84	28.54	4.82
1400	†163	43.18	33.11	2.61	41.14	32.07	2.95	38.95	30.97	3.34	36.60	29.82	3.78	34.07	28.61	4.29	31.33	27.32	4.87
	62	42.38	41.15	2.61	40.44	40.14	2.96	38.57	38.57	3.34	36.66	36.66	3.78	34.58	34.58	4.28	32.29	32.29	4.85
	57	41.94	41.94	2.61	40.32	40.32	2.96	38.57	38.57	3.34	36.66	36.66	3.78	34.58	34.58	4.28	32.29	32.29	4.85
	72	51.84	28.66	2.69	49.42	27.67	3.02	46.76	26.60	3.38	43.92	25.48	3.80	40.87	24.31	4.29	39.60	23.77	4.24
	67	47.19	36.52	2.70	44.92	35.44	3.03	42.49	34.31	3.41	39.89	33.13	3.84	37.10	31.88	4.34	34.08	30.53	4.91
1600	†163	43.81	35.14	2.71	41.70	34.07	3.05	39.42	32.94	3.43	36.99	31.76	3.87	34.39	30.50	4.38	31.57	29.15	4.96
	62	43.46	43.45	2.71	41.72	41.72	3.05	39.84	39.84	3.43	37.81	37.81	3.86	35.61	35.61	4.36	33.18	33.18	4.93
	57	43.44	43.44	2.71	41.72	41.72	3.05	39.84	39.84	3.43	37.82	37.82	3.86	35.62	35.62	4.36	33.18	33.18	4.93

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75			85			95			105			115			125		
		Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**	Capacity MBtu/h	Total System KW**	Total Sys-tem KW**
CFM	EWB	Total	Sens†	Sens†	Total	Sens†	Sens†	Sens†	Total	Sens†	Sens†	Sens†	Total	Sens†	Sens†	Total	Sens†	Sens†	Total
		288ANA060-B Outdoor Section With FE4ANB006 Indoor Section - High Stage																	
	72	67.10	34.20	4.01	64.62	33.02	4.42	61.90	31.78	4.87	58.85	30.45	5.35	55.46	29.01	5.88	51.59	27.45	6.47
	67	61.20	41.59	3.94	58.92	40.38	4.34	56.42	39.11	4.78	53.65	37.76	5.27	50.55	36.30	5.80	48.81	35.44	5.75
1500	†163	56.89	40.31	3.88	54.76	39.11	4.28	52.43	37.84	4.72	49.85	36.49	5.20	46.98	35.04	5.73	45.20	34.11	5.66
	62	55.74	48.95	3.86	53.66	47.71	4.27	51.37	46.41	4.71	48.87	45.01	5.19	46.08	43.48	5.72	42.97	42.62	6.30
	57	52.77	52.77	3.83	51.21	51.21	4.24	49.48	49.48	4.68	47.55	47.55	5.17	45.36	45.36	5.70	42.84	42.84	6.30
	72	68.58	35.77	4.19	65.95	34.56	4.59	63.06	33.29	5.03	59.84	31.92	5.52	56.27	30.46	6.05	52.21	28.86	6.63
	67	62.59	44.28	4.11	60.17	43.04	4.51	57.50	41.73	4.95	54.57	40.34	5.43	51.31	38.85	5.96	47.60	37.22	6.54
1750	†163	58.22	42.84	4.05	55.95	41.60	4.45	53.47	40.29	4.89	50.74	38.91	5.37	47.70	37.42	5.89	45.88	36.49	5.83
	62	57.09	52.72	4.03	54.88	51.42	4.44	52.49	50.03	4.88	49.89	48.50	5.36	47.15	47.15	5.89	44.41	44.41	6.48
	57	55.21	55.21	4.01	53.51	53.51	4.42	51.63	51.63	4.86	49.53	49.53	5.35	47.15	47.15	5.89	44.41	44.41	6.48
	72	69.47	37.08	4.39	66.73	35.86	4.80	63.72	34.56	5.24	60.36	33.17	5.72	56.64	31.69	6.25	52.42	30.06	6.83
	67	63.43	46.68	4.31	60.89	45.42	4.72	58.11	44.08	5.15	55.04	42.66	5.63	51.64	41.14	6.16	47.80	39.46	6.74
2000	†163	59.02	45.08	4.25	56.64	43.81	4.65	54.04	42.48	5.09	51.19	41.06	5.57	48.03	39.54	6.09	44.48	37.86	6.67
	62	57.98	56.05	4.24	55.71	54.64	4.64	53.25	53.25	5.08	50.96	50.96	5.57	48.42	48.42	6.10	45.48	45.48	6.70
	57	57.07	57.07	4.23	55.24	55.24	4.64	53.22	53.22	5.08	50.97	50.97	5.57	48.42	48.42	6.10	45.48	45.48	6.70

See notes on pg. 22



DETAILED COOLING CAPACITIES CONTINUED

288ANA060 – B Outdoor Section With FE4ANB006 Indoor Section

Cooling Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
*FE4ANB006	1.00	1.00	1.00	1.00	
CAP**6021A**	0.98	1.04	0.99	1.03	315(A,J)AV060110
CNPH*6024A**	0.97	1.03	0.98	1.03	315(A,J)AV060110
CSPH*6012A**	0.98	1.03	0.99	1.03	315(A,J)AV060110
CAP**6024A**	0.98	1.02	0.99	1.03	315(A,J)AV066135
CNPH*6024A**	0.98	1.02	0.99	1.02	315(A,J)AV066135
CNPH*6024A**	0.98	1.02	0.99	1.02	315(A,J)AV066135
CSPH*6012A**	0.99	1.02	0.99	1.02	315(A,J)AV066135
CAP**6024A**	0.98	1.01	0.99	1.02	315(A,J)AV066155
CNPH*6024A**	0.98	1.01	0.99	1.01	315(A,J)AV066155
CNPH*6024A**	0.98	1.01	0.99	1.01	315(A,J)AV066155
CSPH*6012A**	0.99	1.01	0.99	1.01	315(A,J)AV066155
CAP**6021A**	0.97	1.08	0.98	1.05	355AAV060080
CNPH*6024A**	0.97	1.07	0.98	1.05	355AAV060080
CSPH*6012A**	0.97	1.07	0.99	1.06	355AAV060080
CAP**6021A**	0.97	1.06	0.98	1.04	355AAV060100
CNPH*6024A**	0.97	1.06	0.98	1.05	355AAV060100
CSPH*6012A**	0.98	1.06	0.99	1.05	355AAV060100
CAP**6024A**	0.97	1.05	0.98	1.04	355AAV060120
CNPH*6024A**	0.97	1.05	0.98	1.04	355AAV060120
CNPH*6024A**	0.97	1.05	0.98	1.04	355AAV060120
CSPH*6012A**	0.98	1.05	0.99	1.05	355AAV060120

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.

* Tested Combination

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

‡ Sensible capacities shown are based on 80°F (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 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	7			17			27			37			47			57			67		
		Capacity MBtuh	Total Sys-tem KWT	In-teg*	Capacity MBtuh	Total Sys-tem KWT	In-teg*	Capacity MBtuh	Total Sys-tem KWT	In-teg*	Capacity MBtuh	Total Sys-tem KWT	In-teg*	Capacity MBtuh	Total Sys-tem KWT	In-teg*	Capacity MBtuh	Total Sys-tem KWT	In-teg*	Capacity MBtuh	Total Sys-tem KWT	In-teg*
288AN024-B Outdoor Section With FE5ANB004 Indoor Section - Low Stage																						
65	600	7.32	6.72	1.00	9.69	8.83	10.9	12.17	10.81	1.20	14.65	13.33	1.33	17.07	17.07	1.54	19.25	19.25	1.73	21.73	21.73	1.82
	665	7.39	6.79	0.99	9.83	8.96	1.08	12.29	10.91	1.17	14.69	13.36	1.32	16.91	16.91	1.49	18.76	18.76	1.69	21.14	21.14	1.69
	700	7.43	6.82	0.99	9.89	9.02	1.07	12.34	10.96	1.16	14.70	13.38	1.32	16.88	16.88	1.48	18.12	18.12	1.64	21.53	21.53	1.64
70	600	7.10	6.52	1.07	9.39	8.56	1.18	11.84	10.51	1.28	14.35	13.06	1.41	16.79	16.79	1.62	19.03	19.03	1.81	20.72	20.72	2.02
	665	7.17	6.59	1.07	9.50	8.66	1.16	11.97	10.63	1.26	14.42	13.12	1.40	16.80	16.80	1.61	18.96	18.96	1.81	20.72	20.72	2.02
	700	7.21	6.62	1.07	9.55	8.71	1.15	12.04	10.69	1.25	14.44	13.14	1.40	16.72	16.72	1.59	18.87	18.87	1.80	20.72	20.72	2.02
75	600	6.90	6.34	1.17	9.09	8.29	1.27	11.52	10.23	1.38	14.03	12.77	1.50	16.50	16.50	1.71	18.89	18.89	1.94	21.20	21.20	2.17
	665	7.00	6.44	1.16	9.19	8.38	1.25	11.66	10.35	1.35	14.14	12.87	1.48	16.53	16.53	1.70	18.75	18.75	1.89	21.20	21.20	2.17
	700	7.03	6.46	1.16	9.25	8.43	1.24	11.72	10.41	1.34	14.17	12.89	1.48	16.54	16.54	1.70	18.72	18.72	1.89	21.20	21.20	2.17

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	In-teg*	Capacity MBtuh	Total Sys-tem KWT	In-teg*	Capacity MBtuh	Total Sys-tem KWT	In-teg*	Capacity MBtuh	Total Sys-tem KWT	In-teg*	Capacity MBtuh	Total Sys-tem KWT	In-teg*	Capacity MBtuh	Total Sys-tem KWT	In-teg*	Capacity MBtuh	Total Sys-tem KWT	In-teg*	Capacity MBtuh	Total Sys-tem KWT	In-teg*
288AN024-B Outdoor Section With FE5ANB004 Indoor Section - High Stage																									
65	700	8.63	7.94	0.95	11.10	10.20	1.14	13.88	12.65	1.39	16.96	15.06	1.72	20.22	18.40	2.06	22.95	22.95	2.41	23.85	23.85	2.62			
	750	8.68	7.99	0.94	11.17	10.26	1.13	13.90	12.68	1.39	16.98	15.08	1.72	20.19	18.38	2.06	22.16	22.16	2.35	22.98	22.98	2.55			
	800	8.73	8.03	0.94	11.22	10.31	1.13	13.93	12.70	1.39	16.95	15.06	1.72	20.17	18.36	2.07	21.56	21.56	2.31	22.27	22.27	2.49			
70	700	8.40	7.73	1.00	10.85	9.97	1.20	13.64	12.43	1.45	16.69	14.82	1.79	20.03	18.23	2.15	23.76	23.76	2.59	24.87	24.87	2.82			
	750	8.46	7.79	1.00	10.92	10.04	1.19	13.67	12.47	1.45	16.71	14.84	1.79	19.97	18.17	2.14	22.95	22.95	2.53	23.93	23.93	2.74			
	800	8.53	7.85	0.99	10.99	10.10	1.19	13.70	12.49	1.45	16.74	14.86	1.80	19.95	18.15	2.14	22.40	22.40	2.49	23.31	23.31	2.70			
75	700	8.26	7.60	1.06	10.59	9.73	1.27	13.37	12.19	1.51	16.41	14.57	1.86	19.92	18.12	2.29	23.60	23.60	2.69	25.81	25.81	3.02			
	750	8.30	7.64	1.05	10.67	9.80	1.26	13.43	12.24	1.51	16.44	14.60	1.86	19.80	18.02	2.25	23.54	23.54	2.69	24.88	24.88	2.95			
	800	8.34	7.67	1.05	10.74	9.87	1.25	13.46	12.27	1.51	16.46	14.62	1.87	19.73	17.95	2.23	23.08	23.08	2.66	24.15	24.15	2.89			

See notes on pg. 30

HEAT PUMP HEATING PERFORMANCE CONTINUED

288ANA024-B Outdoor Section With FE5ANB004 Indoor Section

Heating Indoor Model	High Speed Capacity	Power	Low Speed Capacity	Furnace Model	Heating Indoor Model	High Speed Capacity	Power	Low Speed Capacity	Furnace Model	Heating Indoor Model	High Speed Capacity	Power	Low Speed Capacity	Furnace Model
*FE5ANB004	1.00	1.00	1.00		CAP**6024A**	1.01	1.04	0.99	315(A-J)/AV066135	CNPV*4824A**	1.02	1.06	0.99	355AAV060080
FE4ANF002	1.01	1.03	0.99		CNPH*4821A**	1.01	1.04	0.99	315(A-J)/AV066135	CNPV*6024A**	1.01	1.05	0.99	355AAV060080
FE4ANF003	1.01	1.03	0.99		CNPH*6024A**	1.00	1.03	0.99	315(A-J)/AV066135	CSPH*4812A**	1.02	1.06	0.99	355AAV060080
CAP**4817A**	1.02	1.05	1.00	315(A-J)/AV048090	CNPV*4821A**	1.01	1.04	0.99	315(A-J)/AV066135	CSPH*6012A**	1.02	1.06	1.00	355AAV060080
CAP**4821A**	1.01	1.04	0.99	315(A-J)/AV048090	CNPV*4824A**	1.01	1.04	0.99	315(A-J)/AV066135	CAP**4817A**	1.02	1.05	1.00	355AAV060100
CAP**6021A**	1.01	1.04	0.99	315(A-J)/AV048090	CNPV*6024A**	1.00	1.03	0.99	315(A-J)/AV066135	CAP**4821A**	1.01	1.04	1.00	355AAV060100
CNPH*4821A**	1.01	1.04	0.99	315(A-J)/AV048090	CSPH*4812A**	1.01	1.04	0.99	315(A-J)/AV066135	CAP**4824A**	1.01	1.04	1.00	355AAV060100
CNPH*6024A**	1.00	1.03	0.99	315(A-J)/AV048090	CNPH*4821A**	1.01	1.03	0.99	315(A-J)/AV066135	CNPV*4824A**	1.01	1.04	1.00	355AAV060100
CNPV*4821A**	1.01	1.04	0.99	315(A-J)/AV048090	CNPH*6024A**	1.00	1.03	0.98	315(A-J)/AV066135	CNPV*6024A**	1.00	1.04	1.00	355AAV060100
CNPV*4812A**	1.01	1.04	0.99	315(A-J)/AV048090	CNPV*4821A**	1.01	1.03	0.99	315(A-J)/AV066135	CSPH*4812A**	1.01	1.04	1.00	355AAV060100
CSPH*4812A**	1.01	1.04	0.99	315(A-J)/AV048090	CNPV*4824A**	1.00	1.03	0.99	315(A-J)/AV066135	CNPV*6012A**	1.01	1.04	1.00	355AAV060100
CSPH*6012A**	1.01	1.04	1.00	315(A-J)/AV048090	CNPV*6021A**	1.01	1.04	0.99	315(A-J)/AV066135	CAP**4821A**	1.01	1.04	1.00	355AAV060120
CAP**4817A**	1.02	1.05	1.00	315(A-J)/AV060110	CSPH*6012A**	1.00	1.03	0.99	315(A-J)/AV066135	CNPV*4821A**	1.01	1.04	1.00	355AAV060120
CAP**4821A**	1.01	1.04	1.00	315(A-J)/AV060110	CNPV*4821A**	1.01	1.03	0.99	315(A-J)/AV066135	CNPV*4824A**	1.01	1.04	1.00	355AAV060120
CAP**4824A**	1.01	1.04	1.00	315(A-J)/AV060110	CNPH*6024A**	1.00	1.02	0.98	315(A-J)/AV066135	CNPV*6021A**	1.01	1.04	1.00	355AAV060120
CAP**6021A**	1.01	1.04	0.99	315(A-J)/AV060110	CNPV*4821A**	1.01	1.03	0.99	315(A-J)/AV066135	CNPV*6024A**	1.01	1.04	1.00	355AAV060120
CNPV*6024A**	1.00	1.03	0.99	315(A-J)/AV060110	CNPV*4824A**	1.00	1.03	0.99	355AAV060080	CNPH*4821A**	1.01	1.04	1.00	355AAV060120
CNPV*4812A**	1.01	1.04	0.99	315(A-J)/AV060110	CAP**4821A**	1.02	1.06	1.00	355AAV060080	CNPH*6024A**	1.00	1.04	1.00	355AAV060120
CSPH*4812A**	1.01	1.04	0.99	315(A-J)/AV060110	CAP**4824A**	1.01	1.05	1.00	355AAV060080	CNPV*4821A**	1.01	1.04	1.00	355AAV060120
CSPH*6012A**	1.01	1.04	1.00	315(A-J)/AV060110	CNPV*4824A**	1.00	1.03	0.99	355AAV060080	CNPV*4824A**	1.01	1.04	1.00	355AAV060120
CAP**4817A**	1.01	1.04	1.00	315(A-J)/AV066135	CNPV*6021A**	1.01	1.05	0.99	355AAV060080	CNPV*4824A**	1.01	1.04	1.00	355AAV060120
CAP**4821A**	1.01	1.04	1.00	315(A-J)/AV066135	CNPH*4821A**	1.02	1.05	0.99	355AAV060080	CNPV*6024A**	1.00	1.04	1.00	355AAV060120
CAP**4824A**	1.01	1.04	0.99	315(A-J)/AV066135	CNPH*6024A**	1.01	1.05	0.99	355AAV060080	CSPH*4812A**	1.01	1.04	1.00	355AAV060120
					CNPV*4821A**	1.01	1.05	0.99	355AAV060080	CSPH*6012A**	1.01	1.04	1.00	355AAV060120

See notes on pg. 30

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																				
		7			17			27			37			47			57			67		
		EDB	CFM	Capacity MBtuh		Total System KWt	Capacity MBtuh		Total System KWt	Capacity MBtuh		Total System KWt	Capacity MBtuh		Total System KWt	Capacity MBtuh		Total System KWt	Capacity MBtuh		Total System KWt	
Total	In-teg*			Total	In-teg*		Total	In-teg*		Total	In-teg*		Total	In-teg*		Total	In-teg*		Total	In-teg*		
288ANA036 - B Outdoor Section With FE4ANB006 Indoor Section Low Stage																						
65	750	10.41	9.56	1.45	1.50	17.54	15.58	1.54	21.19	19.28	1.59	24.86	24.86	1.65	28.67	28.67	1.72	32.64	32.64	1.78		
	925	10.74	9.87	1.45	1.48	18.04	16.02	1.51	21.80	19.83	1.54	25.60	25.60	1.58	29.61	29.61	1.62	33.76	33.76	1.67		
	1050	10.95	10.06	1.46	1.48	18.33	16.28	1.51	22.15	20.15	1.53	26.05	26.05	1.56	30.02	30.02	1.59	34.28	34.28	1.63		
70	750	9.81	9.01	1.54	1.58	16.96	15.06	1.63	20.59	18.74	1.68	24.26	24.26	1.74	27.98	27.98	1.81	31.95	31.95	1.88		
	925	10.15	9.32	1.54	1.57	17.47	15.52	1.60	21.21	19.31	1.64	25.00	25.00	1.67	28.97	28.97	1.73	32.99	32.99	1.76		
	1050	10.36	9.52	1.55	1.57	17.77	15.78	1.60	21.57	19.63	1.62	25.42	25.42	1.65	29.38	29.38	1.68	33.54	33.54	1.72		
75	750	9.15	8.41	1.63	1.68	16.35	14.52	1.72	19.97	18.18	1.78	23.64	23.64	1.84	27.32	27.32	1.91	31.30	31.30	1.99		
	925	9.49	8.72	1.63	1.66	16.87	14.98	1.69	20.60	18.75	1.73	24.39	24.39	1.77	28.26	28.26	1.82	32.24	32.24	1.85		
	1050	9.71	8.92	1.64	1.67	17.17	15.25	1.69	20.96	19.08	1.72	24.80	24.80	1.75	28.76	28.76	1.78	32.79	32.79	1.81		

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																							
		-3			7			17			27			37			47			57			67		
		EDB	CFM	Capacity MBtuh		Total Sys-tem KWt	Capacity MBtuh		Total Sys-tem KWt	Capacity MBtuh		Total Sys-tem KWt	Capacity MBtuh		Total Sys-tem KWt	Capacity MBtuh		Total Sys-tem KWt	Capacity MBtuh		Total Sys-tem KWt				
Total	In-teg*			Total	In-teg*		Total	In-teg*		Total	In-teg*		Total	In-teg*		Total	In-teg*		Total	In-teg*					
288ANA036 - B Outdoor Section With FE4ANB006 Indoor Section - High Stage																									
65	900	12.84	11.82	1.77	1.89	16.67	15.31	1.89	20.77	18.94	2.02	25.19	22.97	2.16	30.23	27.51	2.33	35.71	35.71	2.52					
	1050	13.09	12.04	1.77	1.88	16.96	15.58	1.88	21.12	19.26	1.99	25.65	22.78	2.12	30.80	28.03	2.27	36.20	36.20	2.40					
	1200	13.33	12.26	1.79	1.89	17.23	15.83	1.89	21.44	19.55	1.99	26.05	23.14	2.11	31.29	28.47	2.24	36.50	36.50	2.35					
70	900	12.39	11.40	1.87	2.00	16.21	14.90	2.00	20.31	18.51	2.13	24.71	21.95	2.26	29.58	26.92	2.44	35.06	35.06	2.65					
	1050	12.65	11.63	1.87	1.98	16.52	15.18	1.98	20.68	18.85	2.10	25.14	22.33	2.23	30.23	27.51	2.38	35.68	35.68	2.54					
	1200	12.90	11.86	1.89	1.99	16.80	15.44	1.99	21.00	19.15	2.10	25.53	22.67	2.22	30.71	27.94	2.36	36.00	36.00	2.48					
75	900	11.88	10.93	1.97	2.10	15.72	14.44	2.10	19.81	18.06	2.24	24.22	21.51	2.39	28.99	26.38	2.57	34.44	34.44	2.78					
	1050	12.15	11.18	1.97	2.09	16.04	14.74	2.09	20.18	18.40	2.21	24.66	21.90	2.35	29.57	26.90	2.50	35.14	35.14	2.68					
	1200	12.41	11.41	1.99	2.10	16.33	15.00	2.10	20.52	18.71	2.21	25.04	22.24	2.33	30.11	27.40	2.47	35.48	35.48	2.60					

See notes on pg. 30

HEAT PUMP HEATING PERFORMANCE CONTINUED

286ANA036-B Outdoor Section With FE4ANB006 Indoor Section

Table with 14 columns: Heating Indoor Model, High Speed Cap., Power, Low Speed Cap., Furnace Model, Heating Indoor Model, High Speed Cap., Power, Low Speed Cap., Furnace Model, Heating Indoor Model, High Speed Cap., Power, Low Speed Cap., Furnace Model. Contains multiple rows of performance data for various furnace models and indoor heating units.

See notes on pg. 30

HEAT PUMP HEATING PERFORMANCE CONTINUED

288ANANA036 – B Outdoor Section With FE4ANB006 Indoor Section (Cont.)

Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model
CAP**4821A**	1.00	1.07	1.00	1.05	355AAV060120
CAP**4824A**	1.00	1.07	1.00	1.05	355AAV060120
CNPH*3617A**	1.00	1.15	0.99	1.09	355AAV060120
CNPH*4221A**	1.00	1.09	0.99	1.06	355AAV060120
CNPH*4821A**	1.00	1.07	1.00	1.05	355AAV060120
CNPV*4821A**	1.00	1.07	1.00	1.05	355AAV060120
CNPV*4824A**	1.00	1.07	1.00	1.05	355AAV060120
CSPH*3612A**	1.00	1.09	1.00	1.07	355AAV060120
CSPH*4212A**	1.00	1.07	1.00	1.06	355AAV060120
CSPH*4812A**	1.00	1.06	1.00	1.05	355AAV060120

See notes on pg. 30

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																												
EDB	CFM	7			17			27			37			47			57			67										
		Capacity MBtuh	Total System KWT	In-tegt#	Capacity MBtuh	Total System KWT	In-tegt#	Capacity MBtuh	Total System KWT	In-tegt#	Capacity MBtuh	Total System KWT	In-tegt#	Capacity MBtuh	Total System KWT	In-tegt#	Capacity MBtuh	Total System KWT	In-tegt#	Capacity MBtuh	Total System KWT	In-tegt#								
288ANA048-B Outdoor Section With FE5ANB006 Indoor Section - Low Stage																														
65	950	15.95	2.03	18.52	2.11	24.78	2.19	29.34	2.29	34.11	2.40	39.08	2.50	44.51	2.66	1120	16.26	2.03	18.85	2.09	25.21	2.15	29.84	2.23	34.80	2.32	39.74	2.39	45.28	2.52
	1300	16.60	2.05	19.18	2.10	25.61	2.15	30.30	2.21	35.16	2.26	40.22	2.34	43.82	2.41	950	15.42	2.16	19.82	2.24	24.29	2.33	28.84	2.43	33.51	2.54	38.49	2.65	43.77	2.81
70	1120	15.75	2.16	18.42	2.22	24.73	2.29	29.36	2.36	34.20	2.46	39.11	2.53	44.56	2.66	1300	16.10	2.18	18.74	2.23	25.13	2.34	29.83	2.47	34.69	2.60	39.63	2.74	44.54	2.97
	950	14.84	2.29	17.58	2.38	23.75	2.47	28.33	2.57	32.94	2.69	37.90	2.82	43.01	2.97	1120	15.18	2.29	17.93	2.36	24.21	2.51	28.84	2.68	33.57	2.82	38.52	2.98	43.84	3.21
75	1300	15.54	2.31	18.29	2.37	24.65	2.42	29.32	2.49	34.19	2.56	39.03	2.62	44.36	2.73															

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F																														
EDB	CFM	-3			7			17			27			37			47			57			67									
		Capacity MBtuh	Total System KWT	In-tegt#	Capacity MBtuh	Total System KWT	In-tegt#	Capacity MBtuh	Total System KWT	In-tegt#	Capacity MBtuh	Total System KWT	In-tegt#	Capacity MBtuh	Total System KWT	In-tegt#	Capacity MBtuh	Total System KWT	In-tegt#	Capacity MBtuh	Total System KWT	In-tegt#	Capacity MBtuh	Total System KWT	In-tegt#							
288ANA048-B Outdoor Section With FE5ANB006 Indoor Section - High Stage																																
65	1200	16.47	2.20	19.58	2.41	26.76	2.65	33.09	2.91	40.39	3.21	48.26	3.50	57.25	3.88	1400	16.81	2.23	19.94	2.43	27.20	2.66	33.71	2.90	40.78	3.14	48.52	3.44	52.64	3.61	55.24	3.73
	1600	17.17	2.29	20.31	2.49	27.66	2.70	34.27	3.04	41.09	3.37	46.20	3.66	56.52	4.05	1200	16.09	2.30	19.21	2.53	26.34	2.77	32.49	2.99	39.78	3.29	47.58	3.66	56.52	4.05	62.78	4.35
70	1400	16.44	2.33	19.58	2.55	26.80	2.78	33.09	3.03	40.30	3.29	48.00	3.59	53.93	3.84	1600	16.82	2.40	21.73	2.60	27.27	2.82	33.71	3.11	40.66	3.31	47.33	3.56	53.93	3.84	56.68	3.97
	1200	15.64	2.41	18.79	2.64	25.87	2.90	31.91	3.18	39.10	3.50	46.89	3.82	55.77	4.23	1400	16.01	2.44	20.87	2.66	26.36	2.91	32.52	3.17	39.76	3.45	47.41	3.75	54.85	4.07	57.84	4.21
75	1600	16.40	2.50	19.58	2.72	26.84	2.95	33.11	3.20	40.20	3.45	47.62	3.74	50.79	3.90																	

See notes on pg. 30

HEAT PUMP HEATING PERFORMANCE CONTINUED

288ANA048 – B Outdoor Section With FE4ANB006 Indoor Section

Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Power	Furnace Model	Heating Indoor Model	High Speed Capacity	Power	Low Speed Capacity	Power	Furnace Model	Heating Indoor Model	High Speed Capacity	Power	Low Speed Capacity	Power	Furnace Model
*FE4ANB006	1.00	1.00	1.00	1.00		CNPH*4821A**	1.00	1.05	1.00	1.04	315(A,J)AV066135	CNPH*4821A**	1.00	1.07	1.01	1.07	355AAV060080
FE4AN(B,F)005	1.00	1.03	1.00	1.03		CNPH*6024A**	1.00	1.04	1.00	1.03	315(A,J)AV066135	CSPH*4812A**	1.00	1.06	1.01	1.07	355AAV060080
CAP**4817A**	1.00	1.05	1.01	1.06	315(A,J)AV048090	CNPV*4824A**	1.00	1.05	1.00	1.04	315(A,J)AV066135	CNPV*6012A**	1.00	1.05	1.01	1.06	355AAV060080
CAP**4821A**	1.00	1.05	1.01	1.06	315(A,J)AV048090	CNPV*4824A**	1.00	1.04	1.00	1.03	315(A,J)AV066135	CAP**4821A**	1.00	1.06	1.01	1.07	355AAV060100
CAP**6021A**	1.00	1.04	1.01	1.04	315(A,J)AV048090	CSPH*4812A**	1.00	1.04	1.01	1.04	315(A,J)AV066135	CAP**6021A**	1.02	1.08	1.01	1.04	355AAV060100
CNPH*4821A**	1.00	1.06	1.01	1.04	315(A,J)AV048090	CSPH*6012A**	1.00	1.02	1.01	1.03	315(A,J)AV066135	CNPH*4821A**	1.00	1.07	1.01	1.06	355AAV060100
CNPH*6024A**	1.00	1.05	1.01	1.04	315(A,J)AV048090	CAP**4824A**	1.00	1.04	1.00	1.04	315(A,J)AV066135	CNPH*6024A**	1.00	1.05	1.01	1.05	355AAV060100
CNPV*4821A**	1.00	1.05	1.01	1.06	315(A,J)AV048090	CAP**6024A**	1.00	1.03	1.01	1.03	315(A,J)AV066155	CNPV*4821A**	1.00	1.07	1.01	1.06	355AAV060100
CSPH*4812A**	1.00	1.06	1.01	1.05	315(A,J)AV048090	CNPH*4821A**	1.00	1.05	1.00	1.04	315(A,J)AV066155	CSPH*4812A**	1.00	1.06	1.01	1.07	355AAV060100
CSPH*6012A**	1.00	1.04	1.01	1.04	315(A,J)AV060110	CNPH*6024A**	1.00	1.03	1.00	1.02	315(A,J)AV066155	CSPH*6012A**	1.00	1.04	1.01	1.04	355AAV060100
CAP**6021A**	1.00	1.05	1.01	1.04	315(A,J)AV060110	CNPV*4824A**	1.00	1.05	1.00	1.04	315(A,J)AV066155	CAP**4824A**	1.00	1.06	1.01	1.06	355AAV060120
CNPH*4821A**	1.00	1.06	1.01	1.06	315(A,J)AV060110	CSPH*4812A**	1.00	1.03	1.00	1.02	315(A,J)AV066155	CNPH*4821A**	1.00	1.05	1.01	1.04	355AAV060120
CNPH*6024A**	1.00	1.04	1.01	1.04	315(A,J)AV060110	CSPH*6012A**	1.00	1.02	1.01	1.02	315(A,J)AV066155	CNPH*6024A**	1.00	1.07	1.01	1.06	355AAV060120
CNPV*4821A**	1.00	1.06	1.01	1.06	315(A,J)AV060110	CAP**4821A**	1.00	1.07	1.01	1.07	355AAV060080	CNPV*4821A**	1.00	1.07	1.01	1.06	355AAV060120
CSPH*6024A**	1.00	1.03	1.01	1.04	315(A,J)AV060110	CAP**6021A**	1.00	1.06	1.01	1.06	355AAV060080	CNPV*6024A**	1.00	1.05	1.01	1.04	355AAV060120
CAP**4824A**	1.00	1.05	1.01	1.04	315(A,J)AV060110	CNPH*4821A**	1.00	1.07	1.01	1.07	355AAV060080	CSPH*4812A**	1.00	1.06	1.01	1.05	355AAV060120
CNPV*6012A**	1.00	1.05	1.00	1.04	315(A,J)AV060110	CNPH*6024A**	1.00	1.07	1.01	1.07	355AAV060080	CSPH*6012A**	1.00	1.04	1.01	1.04	355AAV060120
CSPH*4812A**	1.00	1.06	1.01	1.06	315(A,J)AV060110	CNPV*6024A**	1.00	1.06	1.01	1.06	355AAV060080	CNPV*6024A**	1.00	1.05	1.01	1.04	355AAV060120
CSPH*6012A**	1.00	1.03	1.01	1.04	315(A,J)AV060110	CNPH*4821A**	1.00	1.07	1.01	1.07	355AAV060080	CSPH*4812A**	1.00	1.06	1.01	1.05	355AAV060120
CAP**6024A**	1.00	1.04	1.01	1.04	315(A,J)AV060110	CNPH*6024A**	1.00	1.07	1.01	1.07	355AAV060080	CSPH*6012A**	1.00	1.04	1.01	1.04	355AAV060120

See notes on pg. 30

HEAT PUMP HEATING PERFORMANCE CONTINUED

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F														
EDB	CFM	7		17		27		37		47		57		67		
		Capacity MBtuh Total	Integ†	Total System KW†	Capacity MBtuh Total	Integ†	Total System KW†	Capacity MBtuh Total	Integ†	Total System KW†	Capacity MBtuh Total	Integ†	Total System KW†	Capacity MBtuh Total	Integ†	Total System KW†
288ANA060 – B Outdoor Section With FE4ANB006 Indoor Section – Low Stage																
65	1200	21.02	19.32	2.74	23.50	2.82	30.98	27.52	2.91	36.60	33.31	3.02	42.92	49.54	3.25	57.07
	1400	21.40	19.67	2.75	23.89	2.81	31.46	27.94	2.88	37.15	33.80	2.96	43.52	50.19	3.14	57.82
	1600	21.82	20.05	2.80	24.30	2.85	31.94	28.37	2.90	37.70	34.31	2.97	43.98	50.69	3.11	56.63
70	1200	20.61	18.94	2.92	25.36	3.01	30.56	27.14	3.10	36.15	32.90	3.21	42.29	48.96	3.45	56.35
	1400	21.01	19.30	2.93	25.80	3.00	31.05	27.58	3.07	36.71	33.41	3.15	43.00	49.58	3.33	57.09
	1600	21.44	19.70	2.98	26.25	3.03	31.53	28.00	3.09	37.26	33.90	3.15	43.48	50.12	3.30	57.54
75	1200	20.14	18.51	3.11	24.90	3.20	30.09	26.73	3.30	35.68	32.47	3.42	41.70	48.39	3.66	55.59
	1400	20.55	18.89	3.12	25.36	3.19	30.60	27.18	3.26	36.25	32.98	3.35	42.42	49.01	3.53	56.34
	1600	21.00	19.30	3.17	25.83	3.22	31.12	27.64	3.28	36.80	33.49	3.35	43.00	49.62	3.49	56.89

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES deg F															
EDB	CFM	-3		7		17		27		37		47		57		67	
		Capacity MBtuh Total	In- tegg†	Total System KW†	Capacity MBtuh Total	In- tegg†	Total System KW†	Capacity MBtuh Total	In- tegg†	Total System KW†	Capacity MBtuh Total	In- tegg†	Total System KW†	Capacity MBtuh Total	In- tegg†	Total System KW†	
288ANA060 – B Outdoor Section With FE4ANB006 Indoor Section – High Stage																	
65	1500	24.45	22.50	3.13	30.02	3.13	32.94	32.94	3.66	43.28	38.44	3.97	51.09	59.27	5.07	72.82	
	1750	25.02	23.02	3.20	30.63	3.45	36.83	33.58	3.70	44.10	39.16	3.99	51.59	59.44	4.76	65.79	
	2000	25.68	23.62	3.33	31.31	3.57	37.59	34.27	3.81	44.82	39.81	4.07	51.97	57.31	4.62	60.70	
70	1500	24.08	22.15	3.29	29.64	3.56	35.72	32.57	3.85	42.75	37.97	4.17	50.51	58.65	5.31	73.13	
	1750	24.67	22.69	3.37	30.27	3.62	36.40	33.19	3.89	43.55	38.68	4.19	51.11	59.00	5.06	67.19	
	2000	25.33	23.31	3.50	30.97	3.74	37.14	33.86	3.99	44.41	39.44	4.28	51.61	58.42	4.91	62.29	
75	1500	23.64	21.75	3.46	29.20	3.63	34.74	32.17	4.04	42.05	37.35	4.37	49.94	57.99	5.10	66.86	
	1750	24.25	22.31	3.53	29.85	3.80	35.99	32.81	4.08	42.92	38.12	4.38	50.61	58.49	5.37	68.29	
	2000	24.93	22.94	3.67	30.57	3.92	36.73	33.49	4.18	43.85	38.95	4.48	51.16	58.71	5.20	63.70	

Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Furnace Model	Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Furnace Model	Heating Indoor Model	High Speed Cap.	Power	Low Speed Cap.	Furnace Model	Capacity MBtuh Total	Total System KW†	Capacity MBtuh Total	Total System KW†	Capacity MBtuh Total	Total System KW†	Capacity MBtuh Total	Total System KW†		
																							Power	Low Speed Cap.
*FE4ANB006	1.00	1.00	1.00	315(A,J)AV066155	CAP**6024A**	1.00	1.03	1.00	315(A,J)AV066155	CAP**6021A**	1.02	1.08	1.00	355AAV060100	68.24	68.24	68.24	68.24	68.24	68.24	68.24	68.24	68.24	68.24
CNPH*6024A**	1.02	1.06	1.00	315(A,J)AV060110	CNPH*6024A**	1.02	1.05	1.00	315(A,J)AV066155	CNPH*6024A**	1.02	1.08	1.00	355AAV060100	63.60	63.60	63.60	63.60	63.60	63.60	63.60	63.60	63.60	63.60
CSPH*6012A**	1.02	1.04	1.00	315(A,J)AV060110	CNPV*6024A**	1.02	1.05	1.00	315(A,J)AV066155	CSPH*6012A**	1.02	1.06	1.00	355AAV060100	59.08	59.08	59.08	59.08	59.08	59.08	59.08	59.08	59.08	59.08
CAP**6024A**	1.01	1.05	1.00	315(A,J)AV066135	CSPH*6012A**	1.02	1.03	1.00	315(A,J)AV066155	CAP**6024A**	1.02	1.08	1.00	355AAV060120	67.58	67.58	67.58	67.58	67.58	67.58	67.58	67.58	67.58	67.58
CNPH*6024A**	1.02	1.05	1.00	315(A,J)AV066135	CAP**6021A**	1.02	1.09	1.00	355AAV060080	CNPH*6024A**	1.02	1.07	1.00	355AAV060120	64.72	64.72	64.72	64.72	64.72	64.72	64.72	64.72	64.72	64.72
CNPV*6024A**	1.02	1.05	1.00	315(A,J)AV066135	CNPH*6024A**	1.03	1.11	1.00	355AAV060080	CNPV*6024A**	1.02	1.07	1.00	355AAV060120	60.46	60.46	60.46	60.46	60.46	60.46	60.46	60.46	60.46	60.46
CSPH*6012A**	1.02	1.03	1.00	315(A,J)AV066135	CSPH*6012A**	1.03	1.07	1.01	355AAV060080	CSPH*6012A**	1.02	1.05	1.00	355AAV060120	66.86	66.86	66.86	66.86	66.86	66.86	66.86	66.86	66.86	66.86

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

† 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.

‡ 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.

* Tested Combination

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 scroll 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

288ANA

2 THROUGH 5 NOMINAL TONS

- Condenser fan motors will be electronic ECM motors that provide multi-speed operation with enhanced low-speed efficiencies and sound levels.
- 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.

