

24ANA7
Infinity™ 17 Series Air Conditioners
with Puron® Refrigerant
Sizes 24 To 60
2 To 5 Nominal Tons



Turn to the Experts.™

Product Data



Carrier's Air Conditioners with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 24ANA7 has been designed utilizing Carrier's Puron refrigerant. The environmentally sound refrigerant allows you to make a responsible decision in the protection of the earth's ozone layer.

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

INDUSTRY LEADING FEATURES / BENEFITS

Energy Efficiency

- 13-17.1 SEER/10.3-13 EER

New Aesthetic Design

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

Extra Quiet Operation

- Silencer System II™ for sound as low as 67 dBA
 - Quiet mount split post compressor grommets
 - Exclusive Silencer Top design
 - 8 pole PSC ball bearing outdoor condenser fan motor
 - Forward-swept condenser fan blade
 - Compressor sound hood
 - Laminated steel compressor mounting plate

Reliability, Quality and Toughness

- Two-Stage reciprocating compressor
- Field-installed 16 cu. in. filter drier
- Back-seating service valves
- High pressure switch
- Low pressure switch
- Internal pressure relief valve
- Internal thermal overload

Controls and Diagnostics

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

Applications

- Long-line - up to 250 ft. total equivalent length. See Long-Line Guideline for more information.
- Low ambient (down to 0°F) with accessory kit with complete Infinity system.

MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12	13
N	N	A	A	A/N	N	N	N	A/N	A/N	A/N	N	N
2	4	A	N	A	7	3	6	A	0	0	3	0
Product Series	Product Family	Tier	Major Series	SEER	Cooling Capacity	Variations	Open	Open	Voltage	Minor Series		
24=AC	A=RES AC	N=Infinity Series	A=Puron	7=17 SEER		A=Standard	0=Not Defined	0=Not Defined	3=208/230-1	0, 1, 2...		



As an Energy Star® Partner, Carrier Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

Refer to the combination ratings in Product Data for system combinations that meet Energy Star guidelines.

STANDARD FEATURES

Feature	24-30	36-30	48-30	60-30
Puron® Refrigerant	X	X	X	X
Up to 17 SEER		X		
Second Generation Infinity Control or Thermostat	X	X	X	X
Two Stage Reciprocating Compressor	X	X	X	X
Silencer System II™	X	X	X	X
WeatherArmor Ultra™	X	X	X	X
Field Installed 16 cu. in. Filter Drier	X	X	X	X
Back Seating Service Valves	X	X	X	X
High Pressure Switch	X	X	X	X
Low Pressure Switch	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X
Internal Thermal Overload	X	X	X	X
Long Line capability with accessory solenoid connections	X	X	X	X
Low Ambient capability to 0° F w/Infinity Control	X	X	X	X
Up to 23 point Diagnostics	X	X	X	X
Utility Interface Connection	X	X	X	X

PHYSICAL DATA

UNIT SIZE – SERIES	24–30	36–30	48–30	60–30
Operating Weight (lb)	234	302	322	358
Shipping Weight (lb)	267	338	358	394
Compressor Type	2–Stage Reciprocating			
REFRIGERANT	Puron® (R–410A)			
Control	TXV (Puron® Hard Shutoff)			
Charge (lb)	6.1	9.9	11.1	11.3
COND FAN	Forward Swept Propeller Type, Direct Drive			
Air Discharge	Vertical			
Air Qty (CFM)	2196	2738	3633	3943
Motor HP	1/12	1/10	1/5	1/5
Motor RPM	800	800	800	800
COND COIL				
Face Area (Sq ft)	14.47	18.30	20.33	20.33
Fins per In.	25	20	20	20
Rows	1	2	2	2
Circuits	4	7	6	6
VALVE CONNECT. (In. ID)				
Vapor	5/8	3/4	7/8	7/8
Liquid	3/8"			
REFRIGERANT TUBES* (In. OD)				
Vapor (0–80 Ft Tube Length)	5/8	3/4	7/8	1–1/8
Liquid (0–80 Ft Tube Length)	3/8"			

* For tubing sets between 80 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.

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VAPOR LINE SIZING AND COOLING CAPACITY LOSS PURON 2-STAGE AIR CONDITIONER APPLICATIONS

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

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

Unit Nominal Size (Btuh)	Acceptable Liquid Line Diameters (in. O.D.)	Acceptable Vapor Line Diameters (In. O.D.)	Cooling Capacity Loss (%)										
			Standard Application			Total Equivalent Line Length (ft)							
			25	50	80	80+	100	125	150	175	200	225	250
24000 2–Stage Puron AC	3/8	5/8	0	1	1	1	2	3	3	4	4	5	6
		3/4	0	0	0	0	0	1	1	1	1	1	2
36000 2–Stage Puron AC		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
48000 2–Stage Puron AC		7/8	0	0	0	0	0	1	1	1	1	2	2
		3/4	0	1	2	2	3	4	5	5	6	7	8
60000 2–Stage Puron AC		7/8	0	0	1	1	1	2	2	2	3	3	4
		3/4	1	2	4	4	5	6	7	9	10	11	12
			7/8	0	1	2	2	2	3	4	4	5	6
			1–1/8	0	0	0	0	1	1	1	1	1	2

Standard Length = 80 ft. or less total equivalent length

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

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

ACCESSORIES

KIT NUMBER	KIT NAME	24-30	36-30	48-30	60-30
KSASF0101AAA	SUPPORT FEET	X	X	X	X
KSATX0201PUR	TXV (HSO)	X			
KSATX0301PUR	TXV (HSO)		X		
KSATX0401PUR	TXV (HSO)			X	
KSATX0501PUR	TXV (HSO)				X
KSASH2201BRL	ENHANCED PREMIUM SOUND HOOD	X			

X = Accessory

THERMOSTAT / SUBBASE PKG.	DESCRIPTION
TSTATCCN2S01-B	Thermostat - Auto Changeover, Non-Programmable, °F/°C, 2-Stage Heat / 2-Stage Cool in AC Mode
TSTATCCP2S01-B	Thermostat - Auto Changeover, 7-Day Programmable, °F/°C, 2-Stage Heat, 2-Stage Cool in AC Mode
TSTATCCPRH01-B	Thermostat Control - Programmable / Non-Programmable Thermostat with Humidity control
TSTATXXSEN01-B	Outdoor Air Temperature Sensor
TSTATXXNBP01	Backplate for Non-Programmable Thermostat
TSTATXXPBP01	Backplate for Programmable Thermostat
TSTATXXCNV10	Thermostat Conversion Kit (4 to 5 wires) - 10 Pack

Infinity Controls	DESCRIPTION
SYSTXCCUIZ01-A	Infinity System Zone Control User Interface
SYSTXCCUID01-A	Infinity System Non-Zone Control User Interface

Note: These Infinity series units must use "A" revision or later to operate properly

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ACCESSORY USAGE GUIDELINE

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

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

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

‡ Standard with Infinity Control (low ambient not allowed with non-communicating thermostat).

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Accessory Description and Usage (Listed Alphabetically)

1. Compressor Sound Hood

Wraparound sound reducing cover for the compressor. Reduces the sound level by up to 3 dBA.

Usage Guideline:

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

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

Suggested in all commercial applications.

Suggested for all commercial applications.

2. Outdoor Air Temperature Sensor

Designed for use with Carrier Thermostats listed in this publication. This device enables the thermostat to display the outdoor temperature. This device also

is required to enable special thermostat features such as auxiliary heat lock out.

Usage Guideline:

Suggested for all Carrier thermostats listed in this publication.

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)

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

Kit includes valve, adapter tubes, and external equalizer tube. Hard shut off types are available.

NOTE: When using a hard shut off TXV with single phase reciprocating compressors, a Compressor Start Assist Capacitor and Relay is required.

Usage Guideline:

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

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

— Required for use on all zoning systems.

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

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	
24-30	208/230-1	187	253	65.0	10.3	0.5	13.3	14	14	60	57	20
36-30				72.0	13.2	0.7	17.2	14	14	45	44	30
48-30				105.0	18.6	1.1	24.3	12	12	51	49	40
60-30				130.0	25.7	1.3	33.5	8	10	93	57	50

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

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

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

** Time-Delay fuse.

FLA - Full Load Amps

LRA - Locked Rotor Amps

MCA - Minimum Circuit Amps

RLA - Rated Load Amps

NOTE: Control circuit is 24-V on all units and requires external power source. Copper wire must be used from service disconnect to unit. All motors/compressors contain internal overload protection.

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A-WEIGHTED SOUND LEVEL (dBA)

UNIT SIZE	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
24-30	68-low stage	46.4	51.9	53.8	56.0	60.2	49.0	38.9
	68-high stage	44.9	57.9	53.8	58.0	55.7	48.5	39.9
36-30	69-low stage	59.4	55.9	55.8	58.0	56.2	49.5	42.4
	70-high stage	59.4	58.9	63.8	59.0	56.7	50.0	41.9
48-30	69-low stage	52.4	53.4	57.3	59.5	57.2	51.5	45.4
	70-high stage	52.4	59.9	59.8	60.5	57.2	51.0	44.4
60-30	74-low stage	58.9	58.9	61.8	61.5	61.2	53.0	47.9
	74-high stage	59.9	60.4	60.3	62.0	58.2	53.5	48.9

A-WEIGHTED SOUND LEVEL (dBA) with ACCESSORY SOUND BLANKET

UNIT SIZE	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
24-30	65-low stage	49.4	50.9	52.8	52.5	57.7	47.0	37.9
	66-high stage	50.4	55.4	52.8	54.0	54.2	47.0	40.4

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE - SERIES	REQUIRED SUBCOOLING (F)
24-30	16 HIGH STAGE
36-30	14 HIGH STAGE
48-30	15 HIGH STAGE
60-30	13 HIGH STAGE


DIMENSIONS

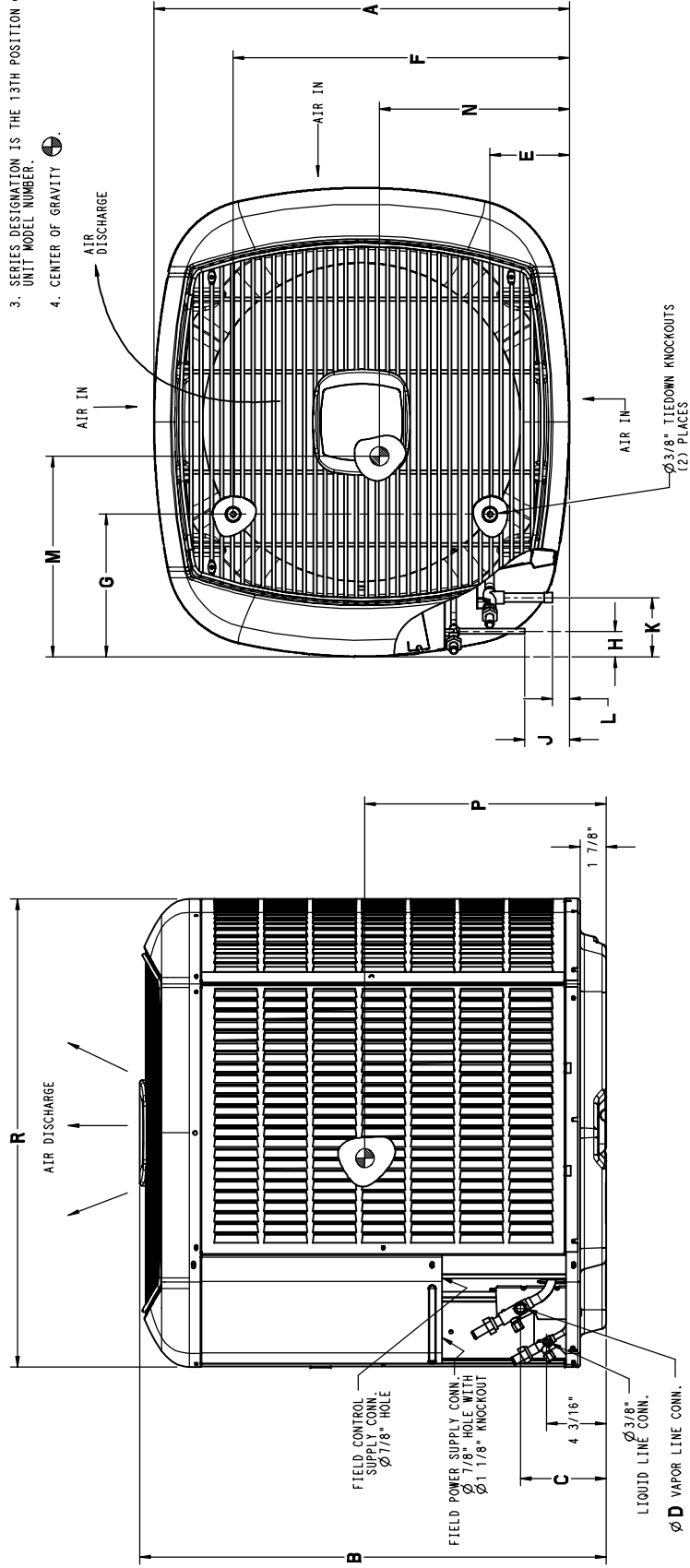
UNIT	SERIES	ELECTRICAL CHARACTERISTICS	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	OPERATING WEIGHT	SHIPPING WEIGHT	SHIPPING DIMENSIONS (L x W x H)
24ANA724	0	X 0 0 0	29 1/4"	36 5/16"	6 1/16"	5/8"	5 5/8"	23 3/4"	10 1/16"	1 3/4"	3 3/16"	4 3/16"	1 1/8"	19"	17"	16"	33"	234#	267#	34 1/8" X 30 1/2" X 40 7/8"
24ANA736	0	X 0 0 0	35 1/2"	37 1/8"	6 5/16"	3/4"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	3 3/16"	4"	1 1/8"	19 3/4"	16 1/2"	16"	40"	302#	338#	41 1/8" X 36 5/8" X 40 7/8"
24ANA748	0	X 0 0 0	35 1/2"	40 1/2"	6 1/4"	7/8"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	3 3/16"	4 1/16"	1 1/8"	19 3/4"	17"	18"	40"	322#	358#	41 1/8" X 36 5/8" X 44 1/4"
24ANA760	0	X 0 0 0	35 1/2"	40 1/2"	6 1/4"	7/8"	6 13/16"	28 3/4"	11 5/8"	1 3/4"	3 3/16"	4 1/16"	1 1/8"	19 3/4"	16 1/2"	17 1/2"	40"	358#	394#	41 1/8" X 36 5/8" X 44 1/4"

X = YES
0 = NO

208/230-160	208/230-160	208/230-360	460-360
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NOTES:

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



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

COMBINATION RATINGS

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Unit Size - Series	Indoor Model	ID CFM		Capacity		SEER	EER	Furnace Model
		High	Low	High	Low			
24-30	*FE4ANF003	700	490	23800	14400	15.2	11.4	
	FE4ANF002	700	490	23800	14400	15.0	11.3	
	FE5ANB004	700	500	24000	14600	15.8	11.6	
	FV4BNF002	735	440	24000	14000	14.8	11.3	
	FV4BNF003	735	440	24000	14000	14.9	11.5	
	CAP**2414A**	700	525	23200	14200	14.5	11.0	58CV(A,X)070-12
	CAP**2417A**	700	525	23200	14200	14.5	11.1	58CV(A,X)090-16
	CAP**2417A**	700	525	23200	14200	14.5	11.1	58MVB060-14
	CAP**3014A**	700	525	23400	14400	14.5	11.1	58CV(A,X)070-12
	CAP**3014A**	800	600	24000	14400	13.0	10.4	
	CAP**3017A**	700	525	23600	14400	15.0	11.3	58CV(A,X)090-16
	CAP**3017A**	700	525	23400	14400	14.5	11.2	58MVB060-14
	CAP**3017A**	800	600	24000	14400	13.0	10.4	
	CAP**3614A**	700	525	23400	14400	14.5	11.1	58CV(A,X)070-12
	CAP**3614A**	700	525	23600	14400	15.0	11.3	58CV(A,X)090-16
	CAP**3614A**	700	525	23600	14400	14.5	11.2	58MVB060-14
	CAP**3614A**	800	600	24000	14400	13.0	10.5	
	CAP**3617A**	700	525	23600	14400	14.5	11.2	58CV(A,X)070-12
	CAP**3617A**	700	525	23600	14400	15	11.3	58CV(A,X)090-16
	CAP**3617A**	700	525	23600	14400	15	11.2	58MVB060-14
	CAP**3617A**	700	525	23600	14400	15	11.2	58MVB080-14
	CAP**3617A**	800	600	24000	14400	13.0	10.5	
	CAP**3621A**	700	525	23600	14400	15	11.3	58CV(A,X)090-16
	CAP**3621A**	700	525	23600	14400	15	11.3	58MVB040-14
	CAP**3621A**	700	525	23600	14400	15	11.2	58MVB060-14
	CAP**3621A**	700	525	23600	14400	15	11.2	58MVB080-14
	CAP**3621A**	800	600	24000	14400	13.0	10.5	
	CNPF*3618A**	800	600	24000	14400	13.0	10.4	
	CNPH*2417A**	700	525	23000	14200	14.5	10.9	58CV(A,X)070-12
	CNPH*2417A**	700	525	23200	14200	14.5	11	58CV(A,X)090-16
	CNPH*2417A**	700	525	23200	14200	14.5	10.9	58MVB040-14
	CNPH*2417A**	700	525	23200	14200	14.5	11	58MVB060-14
	CNPH*2417A**	700	525	23200	14200	14.5	11	58MVB080-14
	CNPH*3017A**	700	525	23400	14400	14.5	11.1	58CV(A,X)070-12
	CNPH*3017A**	700	525	23600	14400	15	11.3	58CV(A,X)090-16
	CNPH*3017A**	700	525	23600	14400	14.5	11.2	58MVB040-14
	CNPH*3017A**	700	525	23600	14400	14.5	11.2	58MVB060-14
	CNPH*3017A**	700	525	23600	14400	14.5	11.2	58MVB080-14
	CNPH*3017A**	800	600	24000	14400	13.0	10.4	
	CNPH*3617A**	700	525	23400	14400	14.5	11.1	58CV(A,X)070-12
	CNPH*3617A**	700	525	23600	14400	15	11.3	58CV(A,X)090-16
	CNPH*3617A**	700	525	23600	14400	14.5	11.2	58MVB040-14
	CNPH*3617A**	700	525	23600	14400	14.5	11.2	58MVB060-14
	CNPH*3617A**	700	525	23600	14400	14.5	11.2	58MVB080-14
	CNPH*3617A**	800	600	24000	14400	13.0	10.4	
	CNPV*2414A**	700	525	23000	14200	14.5	10.9	58CV(A,X)070-12
	CNPV*2417A**	700	525	23200	14200	14.5	11	58CV(A,X)090-16
	CNPV*2417A**	700	525	23200	14200	14.5	11	58MVB060-14

See notes on pg. 13

COMBINATION RATINGS CONTINUED

Unit Size - Series	Indoor Model	ID CFM		Capacity		SEER	EER	Furnace Model
		High	Low	High	Low			
24-30	CNPV*3014A**	700	525	23400	14400	14.5	11.1	58CV(A,X)070-12
	CNPV*3014A**	800	600	24000	14400	13.0	10.4	
	CNPV*3017A**	700	525	23600	14400	15	11.3	58CV(A,X)090-16
	CNPV*3017A**	700	525	23600	14400	14.5	11.2	58MVB060-14
	CNPV*3017A**	800	600	24000	14400	13.0	10.4	
	CNPV*3617A**	700	525	23400	14400	14.5	11.1	58CV(A,X)070-12
	CNPV*3617A**	700	525	23600	14400	15	11.3	58CV(A,X)090-16
	CNPV*3617A**	700	525	23600	14400	14.5	11.2	58MVB060-14
	CNPV*3617A**	700	525	23600	14400	14.5	11.2	58MVB080-14
	CNPV*3617A**	800	600	24000	14400	13.0	10.4	
	CNPV*3621A**	700	525	23600	14400	15	11.3	58CV(A,X)090-16
	CNPV*3621A**	700	525	23600	14400	14.5	11.2	58MVB040-14
	CNPV*3621A**	700	525	23600	14400	14.5	11.2	58MVB060-14
	CNPV*3621A**	700	525	23600	14400	14.5	11.2	58MVB080-14
	CNPV*3621A**	800	600	24000	14400	13.0	10.4	
	CSPH*2412A**	700	525	23400	14400	14.5	11	58CV(A,X)070-12
	CSPH*2412A**	700	525	23600	14400	14.5	11.2	58CV(A,X)090-16
	CSPH*2412A**	700	525	23600	14400	14.5	11.1	58MVB040-14
	CSPH*2412A**	700	525	23400	14400	14.5	11.1	58MVB060-14
	CSPH*2412A**	700	525	23600	14400	14.5	11.1	58MVB080-14
	CSPH*2412A**	800	600	24000	14400	13.0	10.5	
	CSPH*3012A**	700	525	23600	14400	14.5	11.1	58CV(A,X)070-12
	CSPH*3012A**	700	525	23600	14400	15	11.3	58CV(A,X)090-16
	CSPH*3012A**	700	525	23600	14400	14.5	11.2	58MVB040-14
	CSPH*3012A**	700	525	23600	14400	14.5	11.2	58MVB060-14
	CSPH*3012A**	700	525	23600	14400	14.5	11.2	58MVB080-14
	CSPH*3012A**	800	600	24000	14400	13.0	10.5	
	CSPH*3612A**	700	525	23800	14400	15	11.3	58CV(A,X)070-12
	CSPH*3612A**	700	525	24000	14600	15	11.4	58CV(A,X)090-16
	CSPH*3612A**	700	525	24000	14600	15	11.3	58MVB040-14
	CSPH*3612A**	700	525	23800	14600	15	11.3	58MVB060-14
	CSPH*3612A**	700	525	24000	14600	15	11.3	58MVB080-14
	CSPH*3612A**	800	600	24000	14600	13.0	10.6	
	*FE4ANB006	1050	735	36000	21000	17	13.0	
	FE4ANF002	1050	735	34200	20400	15.8	11.9	
	FE4ANF003	1050	735	34600	20400	16	12.3	
	FE4ANF005	1050	735	35800	21000	16.8	12.8	
	FE5ANB004	1050	735	36000	21000	17.1	13.0	
	FV4BNB006	1100	660	36000	20600	16.8	13.0	
	FV4BNF002	1100	660	34400	20000	15.5	11.9	
	FV4BNF003	1100	660	34800	20200	15.8	12.3	
	FV4BNF005	1100	660	36000	20600	16.5	12.8	
	CAP**3614A**	1050	700	34000	20000	15	11.8	58CV(A,X)070-12
	CAP**3614A**	1200	900	34600	20400	13.5	11.2	
	CAP**3617A**	1050	700	34200	20200	15.5	12.1	58CV(A,X)090-16
	CAP**3617A**	1050	700	34200	20200	15.5	12	58MVB060-14
	CAP**3617A**	1200	900	34600	20400	13.5	11.2	
	CAP**3621A**	1050	700	34400	20200	15.5	12.1	58CV(A,X)110-20
CAP**3621A**	1050	700	34000	20200	15.5	11.9	58MVB080-14	
CAP**3621A**	1050	700	34200	20200	15.5	12	58MVB080-20	
CAP**3621A**	1050	700	34200	20200	15.5	12	58MVB100-20	
CAP**3621A**	1200	900	34600	20400	13.5	11.2		
CAP**4221A**	1050	700	34600	20200	15.5	12.2	58CV(A,X)110-20	
CAP**4221A**	1050	700	34200	20200	15.5	11.9	58MVB080-14	
CAP**4221A**	1050	700	34400	20200	15.5	12.1	58MVB080-20	
CAP**4221A**	1050	700	34400	20200	15.5	12.1	58MVB100-20	
CAP**4221A**	1200	900	34800	20600	14	11.2		
CAP**4224A**	1050	700	34600	20200	16	12.3	58CV(A,X)135-22	

See notes on pg. 13

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COMBINATION RATINGS CONTINUED

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Unit Size - Series	Indoor Model	ID CFM		Capacity		SEER	EER	Furnace Model
		High	Low	High	Low			
36-30	CAP**4224A**	1050	700	34600	20200	16	12.4	58CV(A,X)155-22
	CAP**4224A**	1050	700	34400	20200	15.5	12	58MVB040-14
	CAP**4224A**	1050	700	34400	20200	15.5	12.2	58MVB120-20
	CAP**4224A**	1200	900	34800	20600	14	11.2	
CAP**4817A**	1050	700	35200	20400	15.5	12.2	58CV(A,X)070-12	
CAP**4817A**	1050	700	35200	20600	16	12.4	58CV(A,X)090-16	
CAP**4817A**	1050	700	35400	20600	16	12.4	58CV(A,X)110-20	
CAP**4817A**	1050	700	35200	20400	16	12.3	58MVB060-14	
CAP**4817A**	1050	700	35000	20600	16	12.1	58MVB080-14	
CAP**4817A**	1050	700	35200	20400	16	12.3	58MVB080-20	
CAP**4817A**	1050	700	35200	20600	16	12.3	58MVB100-20	
CAP**4817A**	1200	900	35800	21000	14	11.5		
CAP**4821A**	1050	700	35000	20400	16	12.4	58CV(A,X)090-16	
CAP**4821A**	1050	700	35200	20400	16	12.4	58CV(A,X)110-20	
CAP**4821A**	1050	700	35000	20400	16	12.5	58CV(A,X)135-22	
CAP**4821A**	1050	700	35200	20400	16	12.6	58CV(A,X)155-22	
CAP**4821A**	1050	700	34800	20400	16	12.1	58MVB040-14	
CAP**4821A**	1050	700	35000	20400	16	12.3	58MVB060-14	
CAP**4821A**	1050	700	34800	20400	15.5	12.1	58MVB080-14	
CAP**4821A**	1050	700	35000	20400	16	12.2	58MVB080-20	
CAP**4821A**	1050	700	35000	20400	16	12.3	58MVB100-20	
CAP**4821A**	1050	700	35000	20400	16	12.3	58MVB120-20	
CAP**4821A**	1200	900	35600	20800	14	11.4		
CAP**4824A**	1050	700	35200	20400	16	12.4	58CV(A,X)110-20	
CAP**4824A**	1050	700	35000	20400	16	12.5	58CV(A,X)135-22	
CAP**4824A**	1050	700	35200	20400	16	12.6	58CV(A,X)155-22	
CAP**4824A**	1050	700	34800	20400	16	12.1	58MVB040-14	
CAP**4824A**	1050	700	34800	20400	15.5	12.1	58MVB080-14	
CAP**4824A**	1050	700	35000	20400	15.5	12.2	58MVB080-20	
CAP**4824A**	1050	700	35000	20400	16	12.3	58MVB100-20	
CAP**4824A**	1050	700	35000	20400	16	12.3	58MVB120-20	
CAP**4824A**	1200	900	35600	20800	14	11.4		
CNPF*3618A**	1200	900	34600	20400	13.5	11.2		
CNPF*4818A**	1200	900	35200	20800	14	11.4		
CNPH*3617A**	1050	700	34000	20000	15	11.8	58CV(A,X)070-12	
CNPH*3617A**	1050	700	34200	20200	15.5	12	58CV(A,X)090-16	
CNPH*3617A**	1050	700	34200	20200	15.5	12	58CV(A,X)110-20	
CNPH*3617A**	1050	700	34200	20200	15.5	12	58CV(A,X)135-22	
CNPH*3617A**	1050	700	34200	20200	15.5	12.1	58CV(A,X)155-22	
CNPH*3617A**	1050	700	34000	20200	15.5	11.7	58MVB040-14	
CNPH*3617A**	1050	700	34000	20000	15.5	11.9	58MVB060-14	
CNPH*3617A**	1050	700	33800	20000	15	11.7	58MVB080-14	
CNPH*3617A**	1050	700	34000	20000	15.5	11.9	58MVB080-20	
CNPH*3617A**	1050	700	34000	20200	15.5	11.9	58MVB100-20	
CNPH*3617A**	1050	700	34000	20000	15.5	11.9	58MVB120-20	
CNPH*3617A**	1200	900	34600	20400	13.5	11.2		
CNPH*4221A**	1050	700	34600	20200	15.5	12.1	58CV(A,X)070-12	
CNPH*4221A**	1050	700	34600	20200	16	12.4	58CV(A,X)090-16	
CNPH*4221A**	1050	700	34800	20400	16	12.4	58CV(A,X)110-20	
CNPH*4221A**	1050	700	34800	20400	16	12.5	58CV(A,X)135-22	
CNPH*4221A**	1050	700	34800	20400	16	12.6	58CV(A,X)155-22	
CNPH*4221A**	1050	700	34400	20400	16	12.2	58MVB040-14	
CNPH*4221A**	1050	700	34600	20200	16	12.3	58MVB060-14	
CNPH*4221A**	1050	700	34400	20200	16	12.1	58MVB080-14	
CNPH*4221A**	1050	700	34600	20200	15.5	12.2	58MVB080-20	
CNPH*4221A**	1050	700	34600	20400	15.5	12.3	58MVB100-20	
CNPH*4221A**	1050	700	34600	20200	15.5	12.4	58MVB120-20	
CNPH*4221A**	1200	900	35000	20600	14	11.3		
CNPH*4821A**	1050	700	35000	20400	15.5	12.2	58CV(A,X)070-12	
CNPH*4821A**	1050	700	35000	20400	16	12.4	58CV(A,X)090-16	
CNPH*4821A**	1050	700	35200	20400	16	12.4	58CV(A,X)110-20	
CNPH*4821A**	1050	700	35200	20400	16	12.5	58CV(A,X)135-22	

See notes on pg. 13

COMBINATION RATINGS CONTINUED

Unit Size - Series	Indoor Model	ID CFM		Capacity		SEER	EER	Furnace Model
		High	Low	High	Low			
36-30	CNPH*4821A**	1050	700	35200	20400	16	12.6	58CV(A,X)155-22
	CNPH*4821A**	1050	700	35000	20400	16	12.2	58MVB040-14
	CNPH*4821A**	1050	700	35000	20400	16	12.3	58MVB060-14
	CNPH*4821A**	1050	700	34800	20400	16	12.1	58MVB080-14
	CNPH*4821A**	1050	700	35000	20400	16	12.3	58MVB080-20
	CNPH*4821A**	1050	700	35000	20400	16	12.3	58MVB100-20
	CNPH*4821A**	1050	700	35000	20400	16	12.4	58MVB120-20
	CNPH*4821A**	1200	900	35600	20800	14	11.4	
	CNPV*3617A**	1050	700	34200	20200	15.5	12	58CV(A,X)090-16
	CNPV*3617A**	1050	700	34000	20000	15.5	11.9	58MVB060-14
	CNPV*3617A**	1200	900	34600	20400	13.5	11.2	
	CNPV*3621A**	1050	700	34200	20200	15.5	12	58CV(A,X)110-20
	CNPV*3621A**	1050	700	34000	20200	15.5	11.7	58MVB080-14
	CNPV*3621A**	1050	700	34000	20000	15.5	11.9	58MVB080-20
	CNPV*3621A**	1050	700	34000	20200	15.5	11.9	58MVB100-20
	CNPV*3621A**	1200	900	34600	20400	13.5	11.2	
	CNPV*4221A**	1050	700	34800	20400	16	12.4	58CV(A,X)110-20
	CNPV*4221A**	1050	700	34400	20200	16	12.1	58MVB080-14
	CNPV*4221A**	1050	700	34600	20200	15.5	12.2	58MVB080-20
	CNPV*4221A**	1050	700	34600	20400	15.5	12.3	58MVB100-20
	CNPV*4221A**	1200	900	35000	20600	14	11.3	
	CNPV*4821A**	1050	700	35000	20400	16	12.4	58CV(A,X)090-16
	CNPV*4821A**	1050	700	35200	20400	16	12.4	58CV(A,X)110-20
	CNPV*4821A**	1050	700	35200	20400	16	12.5	58CV(A,X)135-22
	CNPV*4821A**	1050	700	35200	20400	16	12.6	58CV(A,X)155-22
	CNPV*4821A**	1050	700	35000	20400	16	12.2	58MVB040-14
	CNPV*4821A**	1050	700	35000	20400	16	12.3	58MVB060-14
	CNPV*4821A**	1050	700	34800	20400	16	12.1	58MVB080-14
	CNPV*4821A**	1050	700	35000	20400	16	12.3	58MVB080-20
	CNPV*4821A**	1050	700	35000	20400	16	12.3	58MVB100-20
	CNPV*4821A**	1050	700	35000	20400	16	12.4	58MVB120-20
	CNPV*4821A**	1200	900	35600	20800	14	11.4	
	CNPV*4824A**	1050	700	35200	20400	16	12.4	58CV(A,X)110-20
	CNPV*4824A**	1050	700	35200	20400	16	12.5	58CV(A,X)135-22
	CNPV*4824A**	1050	700	35200	20400	16	12.6	58CV(A,X)155-22
	CNPV*4824A**	1050	700	35000	20400	16	12.2	58MVB040-14
	CNPV*4824A**	1050	700	34800	20400	16	12.1	58MVB080-14
	CNPV*4824A**	1050	700	35000	20400	16	12.3	58MVB080-20
	CNPV*4824A**	1050	700	35000	20400	16	12.3	58MVB100-20
	CNPV*4824A**	1050	700	35000	20400	16	12.4	58MVB120-20
	CNPV*4824A**	1200	900	35600	20800	14	11.4	
	CSPH*3612A**	1050	700	34800	20400	15.5	12.1	58CV(A,X)070-12
	CSPH*3612A**	1050	700	35000	20400	16	12.3	58CV(A,X)090-16
	CSPH*3612A**	1050	700	35000	20400	16	12.3	58CV(A,X)110-20
	CSPH*3612A**	1050	700	35000	20400	16	12.3	58CV(A,X)135-22
	CSPH*3612A**	1050	700	35200	20400	16	12.5	58CV(A,X)155-22
	CSPH*3612A**	1050	700	34800	20400	15.5	12	58MVB040-14
	CSPH*3612A**	1050	700	35000	20400	15.5	12.2	58MVB060-14
	CSPH*3612A**	1050	700	34800	20400	15.5	12	58MVB080-14
	CSPH*3612A**	1050	700	35000	20400	15.5	12.2	58MVB080-20
CSPH*3612A**	1050	700	35000	20400	16	12.2	58MVB100-20	
CSPH*3612A**	1050	700	34800	20400	15.5	12.2	58MVB120-20	
CSPH*3612A**	1200	900	35400	20800	14	11.4		
CSPH*4212A**	1050	700	35000	20400	15.5	12.2	58CV(A,X)070-12	
CSPH*4212A**	1050	700	35200	20400	16	12.4	58CV(A,X)090-16	
CSPH*4212A**	1050	700	35200	20600	16	12.4	58CV(A,X)110-20	
CSPH*4212A**	1050	700	35200	20600	16	12.5	58CV(A,X)135-22	
CSPH*4212A**	1050	700	35400	20600	16	12.6	58CV(A,X)155-22	
CSPH*4212A**	1050	700	35000	20400	16	12.1	58MVB040-14	
CSPH*4212A**	1050	700	35200	20400	16	12.3	58MVB060-14	
CSPH*4212A**	1050	700	35000	20400	15.5	12.1	58MVB080-14	
CSPH*4212A**	1050	700	35200	20400	16	12.3	58MVB080-20	

See notes on pg. 13

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COMBINATION RATINGS CONTINUED

Unit Size - Series	Indoor Model	ID CFM		Capacity		SEER	EER	Furnace Model
		High	Low	High	Low			
36-30	CSPH*4212A**	1050	700	35200	20600	16	12.3	58MVB100-20
	CSPH*4212A**	1050	700	35200	20400	16	12.3	58MVB120-20
	CSPH*4212A**	1200	900	35800	20800	14	11.5	
	CSPH*4812A**	1050	700	35200	20400	16	12.2	58CV(A,X)070-12
	CSPH*4812A**	1050	700	35400	20600	16	12.4	58CV(A,X)090-16
	CSPH*4812A**	1050	700	35400	20600	16	12.4	58CV(A,X)110-20
	CSPH*4812A**	1050	700	35400	20600	16	12.5	58CV(A,X)135-22
	CSPH*4812A**	1050	700	35400	20600	16	12.6	58CV(A,X)155-22
	CSPH*4812A**	1050	700	35200	20600	16	12.2	58MVB040-14
	CSPH*4812A**	1050	700	35200	20400	16	12.3	58MVB060-14
	CSPH*4812A**	1050	700	35200	20600	16	12.1	58MVB080-14
	CSPH*4812A**	1050	700	35200	20600	16	12.3	58MVB080-20
	CSPH*4812A**	1050	700	35400	20600	16	12.3	58MVB100-20
	CSPH*4812A**	1050	700	35200	20400	16	12.4	58MVB120-20
	CSPH*4812A**	1200	900	35800	21000	14	11.5	
48-30	*FE4ANB006	1400	880	48000	24000	16	11.8	
	FE4ANF005	1400	880	48000	24000	15.7	11.5	
	FV4BNB006	1470	880	48000	24000	16	11.7	
	FV4BNF005	1470	880	48000	24000	15.5	11.5	
	CAP**4817A**	1400	875	46500	24000	15	11	58CV(A,X)090-16
	CAP**4817A**	1400	1050	47000	24000	13.5	10.8	
	CAP**4821A**	1400	875	46500	24000	15	11	58CV(A,X)110-20
	CAP**4821A**	1400	875	46000	24000	15	10.8	58MVB080-20
	CAP**4821A**	1400	875	46500	24000	15	10.9	58MVB100-20
	CAP**4821A**	1600	1200	47500	24000	13	10.7	
	CAP**4824A**	1400	875	46500	24000	15	11.2	58CV(A,X)135-22
	CAP**4824A**	1400	875	46500	24000	15.5	11.3	58CV(A,X)155-22
	CAP**4824A**	1400	875	46000	24000	15	11	58MVB120-20
	CAP**4824A**	1600	1200	47500	24000	13	10.7	
	CAP**6021A**	1400	875	47500	24000	15.5	11.3	58CV(A,X)110-20
	CAP**6021A**	1400	875	47500	24000	15	11.1	58MVB080-20
	CAP**6021A**	1400	875	47500	24000	15	11.2	58MVB100-20
	CAP**6021A**	1600	1200	48000	24000	13.5	10.9	
	CAP**6024A**	1400	875	47500	24000	15.5	11.4	58CV(A,X)135-22
	CAP**6024A**	1400	875	48000	24000	15.5	11.5	58CV(A,X)155-22
	CAP**6024A**	1400	875	47500	24000	15	11.2	58MVB120-20
	CAP**6024A**	1600	1200	48000	24000	13.5	10.9	
	CNPF*4818A**	1400	1050	46000	24000	13.5	10.6	
	CNPH*4821A**	1400	875	46500	24000	15	11	58CV(A,X)090-16
	CNPH*4821A**	1400	875	46500	24000	15	11.1	58CV(A,X)110-20
	CNPH*4821A**	1400	875	46500	24000	15	11.2	58CV(A,X)135-22
	CNPH*4821A**	1400	875	47000	24000	15.5	11.3	58CV(A,X)155-22
	CNPH*4821A**	1400	875	46500	24000	15	10.9	58MVB080-20
	CNPH*4821A**	1400	875	46500	24000	15	11	58MVB100-20
	CNPH*4821A**	1400	875	46500	24000	15	11	58MVB120-20
CNPH*4821A**	1600	1200	47500	24000	13.5	10.7		
CNPH*6024A**	1400	875	47500	24000	15.5	11.2	58CV(A,X)090-16	
CNPH*6024A**	1400	875	47500	24000	15.5	11.3	58CV(A,X)110-20	
CNPH*6024A**	1400	875	47500	24000	15.5	11.4	58CV(A,X)135-22	
CNPH*6024A**	1400	875	48000	24000	15.5	11.5	58CV(A,X)155-22	
CNPH*6024A**	1400	875	47500	24000	15	11.1	58MVB080-20	
CNPH*6024A**	1400	875	47500	24000	15	11.2	58MVB100-20	
CNPH*6024A**	1400	875	47500	24000	15	11.2	58MVB120-20	
CNPH*6024A**	1600	1200	48000	24000	13.5	10.9		
CNPV*4821A**	1400	875	46500	24000	15	11.1	58CV(A,X)110-20	
CNPV*4821A**	1400	875	46500	24000	15	10.9	58MVB080-20	
CNPV*4821A**	1400	875	46500	24000	15	11	58MVB100-20	
CNPV*4821A**	1600	1200	47500	24000	13.5	10.7		
CNPV*4824A**	1400	875	46500	24000	15	11.2	58CV(A,X)135-22	

See notes on pg. 13

COMBINATION RATINGS CONTINUED

Unit Size – Series	Indoor Model	ID CFM		Capacity		SEER	EER	Furnace Model
		High	Low	High	Low			
48–30	CNPV*4824A**	1400	875	47000	24000	15.5	11.3	58CV(A,X)155–22
	CNPV*4824A**	1400	875	46500	24000	15	11	58MVB120–20
	CNPV*4824A**	1600	1200	47500	24000	13.5	10.7	
	CNPV*6024A**	1400	875	47500	24000	15.5	11.4	58CV(A,X)135–22
	CNPV*6024A**	1400	875	48000	24000	15.5	11.5	58CV(A,X)155–22
	CNPV*6024A**	1400	875	47500	24000	15	11.2	58MVB120–20
	CNPV*6024A**	1600	1200	48000	24000	13.5	10.9	
	CSPH*4812A**	1400	875	47000	24000	15	11	58CV(A,X)090–16
	CSPH*4812A**	1400	875	47000	24000	15	11.1	58CV(A,X)110–20
	CSPH*4812A**	1400	875	47000	24000	15	11.2	58CV(A,X)135–22
	CSPH*4812A**	1400	875	47000	24000	15.5	11.3	58CV(A,X)155–22
	CSPH*4812A**	1400	875	47000	24000	15	10.9	58MVB080–20
	CSPH*4812A**	1400	875	47000	24000	15	11	58MVB100–20
	CSPH*4812A**	1400	875	47000	24000	15	11	58MVB120–20
	CSPH*4812A**	1600	1200	48000	24000	13.5	10.8	
	CSPH*6012A**	1400	875	47500	24000	15.5	11.3	58CV(A,X)090–16
	CSPH*6012A**	1400	875	48000	24000	15.5	11.4	58CV(A,X)110–20
	CSPH*6012A**	1400	875	48000	24000	15.5	11.5	58CV(A,X)135–22
	CSPH*6012A**	1400	875	48000	24000	15.5	11.6	58CV(A,X)155–22
	CSPH*6012A**	1400	875	47500	24000	15	11.2	58MVB080–20
	CSPH*6012A**	1400	875	47500	24000	15	11.2	58MVB100–20
	CSPH*6012A**	1400	875	47500	24000	15	11.3	58MVB120–20
	CSPH*6012A**	1600	1200	48000	24000	13.5	11	
	*FE4ANB006	1750	1225	60000	37200	15	11	
	FV4BNB006	1835	1100	60000	36600	14.9	10.9	
	CAP**6021A**	1750	1225	59000	36600	14	10.2	58MVB080–20
	CAP**6021A**	1750	1225	59000	36600	14	10.3	58MVB100–20
	CAP**6021A**	1750	1325	60000	36800	13.0	10.4	
	CAP**6024A**	1750	1225	59500	36800	14.5	10.7	58CV(A,X)135–22
	CAP**6024A**	1750	1225	60000	36800	14.5	10.7	58CV(A,X)155–22
CAP**6024A**	1750	1225	59000	36600	14	10.3	58MVB120–20	
CAP**6024A**	2000	1500	60000	37400	13.0	10.4		
CNPH*6024A**	1750	1225	59500	36800	14.5	10.5	58CV(A,X)110–20	
CNPH*6024A**	1750	1225	59500	36800	14.5	10.7	58CV(A,X)135–22	
CNPH*6024A**	1750	1225	59500	36800	14.5	10.8	58CV(A,X)155–22	
CNPH*6024A**	1750	1225	59000	36600	14	10.1	58MVB080–20	
CNPH*6024A**	1750	1225	59000	36600	14	10.3	58MVB100–20	
CNPH*6024A**	1750	1225	59000	36600	14	10.4	58MVB120–20	
CNPH*6024A**	2000	1500	60000	37200	13	10.3		
CNPV*6024A**	1750	1225	59500	36800	14.5	10.7	58CV(A,X)135–22	
CNPV*6024A**	1750	1225	59500	36800	14.5	10.8	58CV(A,X)155–22	
CNPV*6024A**	1750	1225	59000	36600	14	10.4	58MVB120–20	
CNPV*6024A**	2000	1500	60000	37200	13	10.3		
CSPH*6012A**	1750	1225	60000	36800	14.5	10.6	58CV(A,X)110–20	
CSPH*6012A**	1750	1225	60000	37000	14.5	10.7	58CV(A,X)135–22	
CSPH*6012A**	1750	1225	60000	36800	14.5	10.8	58CV(A,X)155–22	
CSPH*6012A**	1750	1225	59500	36600	14	10.2	58MVB080–20	
CSPH*6012A**	1750	1225	59500	36800	14	10.3	58MVB100–20	
CSPH*6012A**	1750	1225	59500	36600	14	10.4	58MVB120–20	
CSPH*6012A**	2000	1500	60000	37400	13	10.4		

* Tested combination

EER — Energy Efficiency Ratio

SEER — Seasonal Energy Efficiency Ratio

TXV — Thermostatic Expansion Valve

NOTES:

1. Ratings are net values reflecting the effects of circulating fan motor heat. Supplemental electric heat is not included.
2. Tested outdoor/indoor combinations have been tested in accordance with DOE test procedures for central air conditioners. Ratings for other combinations are determined under DOE computer simulation procedures.
3. Determine actual CFM values obtainable for your system by referring to fan performance data in fan coil or furnace coil literature.
4. Do not apply with capillary tube coils as performance and reliability are significantly affected.

24ANA7

DETAILED COOLING CAPACITIES

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**
		24ANA724A30 Outdoor Section With FE4ANF003 Indoor Section - Low Stage																	
440	72	18.84	9.72	0.93	17.34	9.14	1.03	15.88	8.58	1.13	14.46	8.04	1.22	13.02	7.52	1.31	11.55	6.99	1.39
	67	16.76	11.63	0.96	15.40	11.05	1.06	14.09	10.49	1.15	12.80	9.96	1.24	11.49	9.43	1.32	10.13	8.88	1.39
	63	15.32	11.15	0.98	14.07	10.58	1.08	12.86	10.03	1.17	11.66	9.50	1.25	10.44	8.97	1.33	9.14	8.41	1.39
	62	14.91	13.53	0.99	13.71	12.95	1.08	12.55	12.39	1.17	11.57	11.57	1.25	10.63	10.63	1.33	9.63	9.63	1.39
	57	14.27	14.27	1.00	13.37	13.37	1.08	12.48	12.48	1.17	11.57	11.57	1.25	10.63	10.63	1.33	9.63	9.63	1.39
490	72	19.33	10.18	0.93	17.75	9.58	1.03	16.23	9.01	1.13	14.74	8.46	1.24	13.26	7.92	1.32	11.74	7.38	1.40
	67	17.20	12.32	0.96	15.77	11.72	1.06	14.40	11.15	1.15	13.05	10.60	1.24	11.70	10.05	1.33	10.31	9.49	1.40
	63	15.72	11.80	0.98	14.41	11.21	1.08	13.14	10.65	1.17	11.89	10.10	1.25	10.63	9.55	1.33	9.31	8.98	1.39
	62	15.32	14.44	0.99	14.06	13.63	1.08	13.01	13.01	1.17	12.05	12.05	1.25	11.05	11.05	1.33	10.00	10.00	1.40
	57	14.93	14.93	0.99	13.96	13.96	1.08	13.01	13.01	1.17	12.05	12.05	1.25	11.05	11.05	1.33	10.00	10.00	1.40
525	72	19.82	10.49	0.93	18.00	9.88	1.03	16.43	9.30	1.13	14.91	8.74	1.23	13.39	8.20	1.32	11.84	7.65	1.40
	67	17.46	12.79	0.96	15.99	12.18	1.06	14.58	11.59	1.16	13.20	11.03	1.25	11.82	10.48	1.33	10.41	9.91	1.40
	63	15.96	12.24	0.98	14.61	11.64	1.08	13.31	11.06	1.17	12.03	10.51	1.26	10.74	9.95	1.34	9.41	9.35	1.40
	62	15.57	15.06	0.99	14.34	14.34	1.08	13.34	13.34	1.17	12.34	12.34	1.25	11.31	11.31	1.33	10.23	10.23	1.40
	57	15.35	15.35	0.99	14.34	14.34	1.08	13.34	13.34	1.17	12.34	12.34	1.25	11.31	11.31	1.33	10.23	10.23	1.40
600	72	20.12	11.12	0.93	18.43	10.49	1.04	16.79	9.89	1.14	15.20	9.32	1.24	13.62	8.77	1.33	12.02	8.21	1.41
	67	17.92	13.76	0.97	16.38	13.12	1.07	14.90	12.52	1.16	13.47	11.94	1.25	12.04	11.36	1.34	10.85	10.65	1.41
	63	16.38	13.15	0.99	14.96	12.52	1.08	13.60	11.93	1.18	12.27	11.35	1.27	10.96	10.75	1.35	9.76	9.76	1.41
	62	16.14	16.14	0.99	15.05	15.05	1.08	13.97	13.97	1.17	12.90	12.90	1.26	11.80	11.80	1.34	10.85	10.85	1.41
	57	16.14	16.14	0.99	15.05	15.05	1.08	13.97	13.97	1.17	12.90	12.90	1.26	11.80	11.80	1.34	10.85	10.85	1.41

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**
		24ANA724A30 Outdoor Section With FE4ANF003 Indoor Section - High Stage																	
600	72	29.66	14.71	1.72	27.76	13.92	1.92	25.75	13.10	2.07	23.60	12.25	2.16	21.32	11.38	2.20	18.88	10.47	2.17
	67	26.61	17.18	1.77	24.81	16.36	1.94	22.92	15.53	2.06	20.89	14.65	2.13	18.72	13.75	2.14	16.42	12.82	2.09
	63	24.45	16.57	1.79	22.74	15.74	1.95	20.92	14.88	2.05	18.97	13.99	2.10	16.90	13.07	2.09	14.70	12.11	2.02
	62	23.83	19.60	1.80	22.15	18.77	1.95	20.36	17.91	2.04	18.46	17.01	2.09	16.46	16.07	2.07	14.68	14.68	2.02
	57	21.69	21.69	1.81	20.46	20.46	1.94	19.16	19.16	2.03	17.76	17.76	2.07	16.27	16.27	2.07	14.68	14.68	2.02
700	72	30.90	15.61	1.71	28.86	14.79	1.92	26.72	13.95	2.08	24.44	13.08	2.18	22.02	12.18	2.22	19.46	11.25	2.20
	67	27.74	18.51	1.77	25.82	17.67	1.95	23.80	16.81	2.08	21.64	15.91	2.15	19.35	14.98	2.17	16.94	14.02	2.12
	63	25.51	17.83	1.80	23.67	16.97	1.96	21.73	16.09	2.07	19.66	15.17	2.12	17.47	14.22	2.12	15.17	13.23	2.05
	62	24.87	21.36	1.80	23.07	20.50	1.96	21.18	19.60	2.07	19.19	18.65	2.12	17.33	17.33	2.12	15.62	15.62	2.08
	57	23.20	23.20	1.82	21.86	21.86	1.96	20.45	20.45	2.06	18.94	18.94	2.11	17.33	17.33	2.12	15.62	15.62	2.08
735	72	31.25	15.90	1.71	29.18	15.08	1.93	27.00	14.23	2.08	24.88	13.36	2.19	22.22	12.45	2.23	19.62	11.51	2.21
	67	28.06	18.95	1.77	26.12	18.10	1.95	24.05	17.23	2.09	21.86	16.33	2.16	19.53	15.39	2.18	17.08	14.42	2.14
	63	25.81	18.25	1.80	23.94	17.38	1.97	21.96	16.49	2.08	19.86	15.56	2.14	17.64	14.60	2.13	15.30	13.60	2.07
	62	25.18	21.95	1.81	23.34	21.07	1.97	21.43	20.16	2.07	19.43	19.17	2.13	17.66	17.66	2.13	15.91	15.91	2.09
	57	23.67	23.67	1.82	22.30	22.30	1.97	20.85	20.85	2.07	19.31	19.31	2.13	17.66	17.66	2.13	15.91	15.91	2.09
800	72	31.83	16.42	1.71	29.70	15.59	1.93	27.45	14.73	2.09	25.07	13.95	2.20	22.55	12.93	2.25	19.88	11.99	2.23
	67	28.62	19.75	1.77	26.60	18.89	1.96	24.47	18.01	2.10	22.21	17.09	2.18	19.83	16.14	2.20	17.32	15.14	2.16
	63	26.32	19.00	1.81	24.38	18.12	1.98	22.35	17.22	2.09	20.18	16.28	2.15	17.91	15.30	2.15	15.52	14.28	2.09
	62	25.69	23.01	1.81	23.81	22.11	1.98	21.85	21.16	2.09	19.93	19.93	2.15	18.23	18.23	2.16	16.41	16.41	2.12
	57	24.48	24.48	1.83	23.05	23.05	1.98	21.54	21.54	2.09	19.94	19.94	2.15	18.23	18.23	2.16	16.41	16.41	2.12

DETAILED COOLING CAPACITIES CONTINUED

24AANA74A30 Outdoor Section With FE4ANF003 Indoor Section

Cooling Indoor Model	High Speed Capacity	Power	Low Speed Capacity	Power	Furnace Model	Cooling Indoor Model	High Speed Capacity	Power	Low Speed Capacity	Power	Furnace Model
*FE4ANF003	1.00	1.00	1.00	1.00		CSPH*3612A**	1.01	1.02	1.01	1.03	58MV/B040-14
F4BNF003	1.01	1.00	0.97	0.99		CSPH*3012A**	0.99	1.01	1.00	1.02	58MV/B040-14
F4BNF002	1.01	1.02	0.97	1.00		CSPH*2412A**	0.99	1.02	1.00	1.03	58MV/B040-14
FE4ANB004	1.01	0.99	1.01	0.99		CNPV*3621A**	0.99	1.01	1.00	1.02	58MV/B040-14
FE4ANF002	1.00	1.01	1.00	1.01		CNPV*3617A**	0.99	1.01	1.00	1.02	58MV/B040-14
CSPH*3612A**	1.01	1.08	1.01	1.17		CNPV*3017A**	0.99	1.01	1.00	1.02	58MV/B040-14
CSPH*3012A**	1.01	1.09	1.00	1.17		CAP**2417A**	0.97	1.02	0.99	1.02	58MV/B040-14
CSPH*2412A**	1.01	1.09	1.00	1.17		CAP**3621A**	1.00	1.01	1.00	1.01	58MV/B060-14
CNPV*3621A**	1.01	1.11	1.00	1.17		CSPH*3612A**	0.99	1.01	1.00	1.03	58MV/B060-14
CNPV*3617A**	1.01	1.11	1.00	1.17		CSPH*3012A**	0.99	1.01	1.00	1.02	58MV/B060-14
CNPV*3017A**	1.01	1.11	1.00	1.17		CSPH*2412A**	0.98	1.01	1.00	1.03	58MV/B060-14
CNPV*3014A**	1.01	1.11	1.00	1.17		CNPV*3621A**	0.99	1.01	1.00	1.02	58MV/B060-14
CNPV*3617A**	1.01	1.11	1.00	1.17		CNPV*3617A**	0.99	1.01	1.00	1.02	58MV/B060-14
CNPV*3017A**	1.01	1.11	1.00	1.17		CNPV*3017A**	0.99	1.01	1.00	1.02	58MV/B060-14
CNPV*3618A**	1.01	1.11	1.00	1.17		CNPV*2417A**	0.97	1.01	0.99	1.02	58MV/B060-14
CAP**3621A**	1.01	1.09	1.00	1.17		CNPV*3617A**	0.99	1.01	1.00	1.02	58MV/B060-14
CAP**3617A**	1.01	1.09	1.00	1.17		CNPV*2417A**	0.97	1.01	0.99	1.02	58MV/B060-14
CAP**3614A**	1.01	1.09	1.00	1.17		CAP**3621A**	0.99	1.01	1.00	1.01	58MV/B060-14
CAP**3017A**	1.01	1.11	1.00	1.17		CAP**3617A**	0.99	1.01	1.00	1.02	58MV/B060-14
CAP**3014A**	1.01	1.11	1.00	1.17		CAP**3614A**	0.99	1.01	1.00	1.02	58MV/B060-14
CSPH*3612A**	1.00	1.01	1.00	1.02	58CV(A.X)070-12	CSPH*3612A**	0.99	1.01	1.00	1.02	58MV/B060-14
CSPH*3012A**	0.99	1.02	1.00	1.03	58CV(A.X)070-12	CAP**3017A**	0.98	1.00	1.00	1.02	58MV/B060-14
CSPH*2412A**	0.98	1.02	1.00	1.03	58CV(A.X)070-12	CAP**2417A**	0.97	1.00	0.99	1.02	58MV/B060-14
CNPV*3617A**	0.98	1.01	1.00	1.02	58CV(A.X)070-12	CSPH*3612A**	1.01	1.02	1.01	1.02	58MV/B080-14
CNPV*3014A**	0.98	1.01	1.00	1.02	58CV(A.X)070-12	CSPH*3012A**	0.99	1.01	1.00	1.02	58MV/B080-14
CNPV*2414A**	0.97	1.01	0.99	1.02	58CV(A.X)070-12	CSPH*2412A**	0.99	1.02	1.00	1.03	58MV/B080-14
CNPV*3617A**	0.98	1.01	1.00	1.02	58CV(A.X)070-12	CNPV*3621A**	0.99	1.01	1.00	1.02	58MV/B080-14
CNPV*3017A**	0.98	1.01	1.00	1.02	58CV(A.X)070-12	CNPV*3617A**	0.99	1.01	1.00	1.02	58MV/B080-14
CNPV*2417A**	0.97	1.01	0.99	1.02	58CV(A.X)070-12	CNPV*3017A**	0.99	1.01	1.00	1.02	58MV/B080-14
CNPV*3617A**	0.98	1.01	1.00	1.02	58CV(A.X)070-12	CNPV*2417A**	0.97	1.01	0.99	1.02	58MV/B080-14
CNPV*3017A**	0.98	1.01	1.00	1.02	58CV(A.X)070-12	CAP**3621A**	0.99	1.01	1.00	1.02	58MV/B080-14
CNPV*2417A**	0.97	1.01	0.99	1.02	58CV(A.X)070-12	CAP**3617A**	0.99	1.01	1.00	1.02	58MV/B080-14
CAP**3617A**	0.98	1.01	1.00	1.02	58CV(A.X)070-12	CAP**3614A**	0.99	1.01	1.00	1.02	58MV/B080-14
CAP**3614A**	0.98	1.01	1.00	1.02	58CV(A.X)070-12	CAP**3017A**	0.99	1.01	1.00	1.02	58MV/B080-14
CAP**2414A**	0.97	1.01	0.99	1.02	58CV(A.X)070-12	CAP**3617A**	0.99	1.01	1.00	1.02	58MV/B080-14
CSPH*3612A**	1.01	1.01	1.01	1.02	58CV(A.X)090-16	CSPH*3612A**	0.99	1.01	1.00	1.02	58MV/B080-14
CSPH*3012A**	0.99	1.00	1.00	1.02	58CV(A.X)090-16	CSPH*3012A**	0.99	1.01	1.00	1.02	58MV/B080-14
CSPH*2412A**	0.99	1.01	1.00	1.03	58CV(A.X)090-16	CSPH*2412A**	0.99	1.01	1.00	1.03	58MV/B080-14
CNPV*3621A**	0.99	1.00	1.00	1.01	58CV(A.X)090-16	CNPV*3621A**	0.99	1.00	1.00	1.02	58MV/B080-14
CNPV*3617A**	0.99	1.00	1.00	1.01	58CV(A.X)090-16	CNPV*3617A**	0.99	1.00	1.00	1.02	58MV/B080-14
CNPV*3017A**	0.99	1.00	1.00	1.01	58CV(A.X)090-16	CNPV*3017A**	0.99	1.00	1.00	1.02	58MV/B080-14
CNPV*2417A**	0.97	1.01	0.99	1.02	58CV(A.X)090-16	CNPV*2417A**	0.97	1.01	0.99	1.02	58MV/B080-14
CNPV*3617A**	0.99	1.00	1.00	1.01	58CV(A.X)090-16	CNPV*3617A**	0.99	1.00	1.00	1.02	58MV/B080-14
CNPV*3017A**	0.99	1.00	1.00	1.01	58CV(A.X)090-16	CNPV*3017A**	0.99	1.00	1.00	1.02	58MV/B080-14
CAP**3621A**	0.99	1.00	1.00	1.01	58CV(A.X)090-16	CAP**3621A**	0.99	1.00	1.00	1.02	58MV/B080-14
CAP**3617A**	0.99	1.00	1.00	1.01	58CV(A.X)090-16	CAP**3617A**	0.99	1.00	1.00	1.02	58MV/B080-14
CAP**3614A**	0.99	1.00	1.00	1.01	58CV(A.X)090-16	CAP**3614A**	0.99	1.00	1.00	1.02	58MV/B080-14
CAP**3017A**	0.99	1.00	1.00	1.01	58CV(A.X)090-16	CAP**3017A**	0.99	1.00	1.00	1.02	58MV/B080-14
CAP**2417A**	0.97	1.00	0.99	1.02	58CV(A.X)090-16	CAP**2417A**	0.97	1.00	0.99	1.02	58MV/B080-14

See notes on pg. 21

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**
		24ANA736A30 Outdoor Section With FE4ANB006 Indoor Section - Low Stage																	
660		26.79	14.01	1.10	24.96	13.29	1.31	23.05	12.55	1.46	21.07	11.81	1.56	19.02	11.05	1.61	16.87	10.27	1.62
		24.11	17.02	1.21	22.37	16.27	1.38	20.58	15.49	1.49	18.72	14.71	1.57	16.80	13.92	1.60	14.79	13.11	1.59
		22.19	16.39	1.27	20.54	15.62	1.42	18.83	14.83	1.51	17.07	14.04	1.58	15.25	13.24	1.58	13.35	12.42	1.56
		21.62	19.98	1.29	20.00	19.19	1.43	18.35	18.35	1.52	17.00	17.00	1.57	15.59	15.59	1.59	14.11	14.11	1.57
		20.90	20.90	1.31	19.65	19.65	1.43	18.35	18.35	1.52	17.00	17.00	1.57	15.59	15.59	1.59	14.11	14.11	1.57
		27.36	14.65	1.09	25.47	13.93	1.30	23.49	13.18	1.45	21.45	12.42	1.56	19.42	11.66	1.62	17.13	10.87	1.60
		24.66	18.04	1.20	22.86	17.26	1.37	21.00	16.48	1.50	19.08	15.68	1.61	17.10	14.86	1.61	15.04	14.03	1.63
		22.72	17.35	1.26	21.00	16.56	1.42	19.23	15.76	1.52	17.41	14.95	1.58	15.53	14.13	1.59	13.58	13.28	1.57
		22.14	21.34	1.28	20.49	20.49	1.42	19.12	19.12	1.52	17.70	17.70	1.60	16.22	16.22	1.60	14.66	14.66	1.59
		21.81	21.81	1.29	20.49	20.49	1.42	19.12	19.12	1.52	17.70	17.70	1.60	16.22	16.22	1.60	14.65	14.65	1.59
		27.76	15.20	1.08	25.82	14.46	1.29	23.80	13.71	1.46	21.71	12.94	1.57	19.56	12.17	1.63	17.31	11.37	1.64
		25.06	18.89	1.19	23.21	18.10	1.37	21.30	17.30	1.50	19.33	16.49	1.58	17.31	15.67	1.62	15.21	14.81	1.61
		23.09	18.16	1.26	21.33	17.35	1.42	19.51	16.54	1.53	17.84	15.71	1.59	16.31	14.88	1.61	14.84	13.84	1.59
		22.55	22.47	1.28	21.14	21.14	1.42	19.71	19.71	1.52	18.23	18.23	1.59	16.69	16.69	1.62	15.07	15.07	1.61
		22.52	22.52	1.28	21.14	21.14	1.42	19.71	19.71	1.52	18.23	18.23	1.59	16.69	16.69	1.62	15.07	15.07	1.61
		28.24	16.00	1.07	26.25	15.26	1.29	24.18	14.49	1.46	22.03	13.71	1.58	19.82	12.93	1.64	17.52	12.12	1.66
		25.54	20.17	1.19	23.63	19.36	1.38	21.67	18.55	1.51	19.84	17.72	1.60	17.57	16.86	1.64	15.62	15.62	1.63
		23.56	19.36	1.26	21.73	18.54	1.42	19.86	17.71	1.54	17.94	16.86	1.60	15.99	15.96	1.62	14.32	14.32	1.61
		23.47	23.47	1.26	22.02	22.02	1.42	20.51	20.51	1.53	18.95	18.95	1.60	17.32	17.32	1.64	15.82	15.82	1.63
		23.47	23.47	1.26	22.02	22.02	1.42	20.51	20.51	1.53	18.95	18.95	1.60	17.32	17.32	1.64	15.82	15.82	1.63

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**
		24ANA736A30 Outdoor Section With FE4ANB006 Indoor Section - High Stage																	
900		43.81	21.43	2.36	41.14	20.24	2.58	38.42	19.06	2.79	35.67	17.89	3.00	32.84	16.71	3.20	29.91	15.53	3.39
		39.46	24.76	2.31	37.00	23.53	2.51	34.50	22.32	2.71	31.95	21.10	2.90	29.35	19.89	3.09	26.67	18.68	3.27
		36.40	23.98	2.27	34.08	22.75	2.46	31.72	21.53	2.65	29.32	20.32	2.83	26.87	19.11	3.00	25.43	18.39	3.02
		35.50	28.01	2.26	33.22	26.75	2.44	30.91	25.50	2.63	28.55	24.25	2.81	26.14	23.01	2.98	24.76	22.26	2.99
		31.98	31.20	2.20	29.89	29.89	2.38	28.17	28.17	2.56	26.42	26.42	2.74	24.62	24.62	2.92	23.59	23.59	2.94
		45.85	22.72	2.40	42.96	21.48	2.63	40.03	20.25	2.85	37.06	19.03	3.06	34.03	17.81	3.26	30.90	16.57	3.46
		41.37	26.66	2.35	38.70	25.37	2.56	36.00	24.09	2.77	33.26	22.83	2.96	30.47	21.56	3.15	27.80	20.29	3.33
		38.18	25.79	2.32	35.67	24.50	2.51	33.12	23.22	2.70	30.54	21.95	2.89	27.91	20.69	3.06	25.21	19.41	3.23
		37.24	30.50	2.30	34.77	29.17	2.50	32.27	27.85	2.69	29.75	26.54	2.87	27.18	25.23	3.04	25.67	24.42	3.06
		33.91	33.91	2.26	32.05	32.05	2.45	30.17	30.17	2.64	28.25	28.25	2.82	26.29	26.29	3.01	25.12	25.12	3.04
		46.41	23.12	2.42	43.46	21.87	2.64	40.47	20.62	2.86	37.44	19.39	3.08	34.35	18.15	3.28	31.16	16.91	3.48
		41.91	27.25	2.37	39.18	25.95	2.58	36.41	24.66	2.78	33.62	23.37	2.98	30.77	22.09	3.17	27.85	20.81	3.35
		38.68	26.36	2.33	35.11	25.06	2.53	33.51	23.76	2.72	30.87	22.47	2.91	28.19	21.94	3.08	25.44	19.90	3.25
		37.74	31.29	2.32	35.21	29.95	2.51	32.66	28.61	2.70	30.08	27.27	2.89	27.47	25.94	3.06	25.93	25.11	3.08
		34.61	34.61	2.28	32.70	32.70	2.47	30.77	30.77	2.66	28.80	28.80	2.85	26.79	26.79	3.04	25.57	25.57	3.07
		47.40	23.88	2.45	44.34	22.60	2.68	41.24	21.33	2.90	38.10	20.08	3.12	34.91	18.82	3.32	31.61	17.55	3.52
		42.85	28.41	2.40	40.01	27.08	2.61	37.13	25.75	2.82	34.24	24.44	3.02	31.29	23.13	3.21	28.28	21.82	3.39
		39.57	27.47	2.36	36.89	26.13	2.56	34.19	24.80	2.76	31.46	23.48	2.95	28.68	22.17	3.13	25.85	20.85	3.29
		38.61	32.84	2.35	35.98	31.45	2.55	33.34	30.07	2.74	30.67	28.70	2.93	28.00	27.31	3.10	25.52	25.52	3.28
		35.90	35.90	2.32	33.90	33.90	2.51	31.87	31.87	2.71	29.81	29.81	2.90	27.70	27.70	3.09	26.40	26.40	3.13

DETAILED COOLING CAPACITIES CONTINUED

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**
		24ANA748A30 Outdoor Section With FE4ANB006 Indoor Section - Low Stage																	
		32.26	17.60	1.48	29.51	16.44	1.63	26.83	15.32	1.76	24.21	14.23	1.88	21.63	13.17	1.99	19.07	12.12	2.09
		28.97	21.77	1.51	26.45	20.50	1.64	24.00	19.26	1.76	21.60	18.06	1.87	19.25	16.88	1.97	16.93	15.72	2.05
880		26.70	20.92	1.52	24.34	19.67	1.64	22.05	18.45	1.76	19.81	17.26	1.86	17.63	16.10	1.94	15.46	14.95	2.02
		26.09	25.89	1.52	24.06	24.06	1.64	22.15	22.15	1.76	20.26	20.26	1.86	18.39	18.39	1.96	16.51	16.51	2.05
		26.00	26.00	1.52	24.06	24.06	1.64	22.15	22.15	1.76	20.26	20.26	1.86	18.39	18.39	1.96	16.51	16.51	2.05
		32.91	18.58	1.50	30.07	17.38	1.65	27.30	16.22	1.78	24.59	15.10	1.91	21.93	14.00	2.02	19.30	12.92	2.12
		29.56	23.30	1.53	26.95	21.97	1.66	24.42	20.68	1.78	21.95	19.43	1.90	19.54	18.19	2.00	17.17	16.95	2.08
995		27.24	22.36	1.54	24.80	21.05	1.67	22.44	19.77	1.78	20.14	18.53	1.88	17.89	17.31	1.97	15.81	15.81	2.05
		27.13	27.13	1.54	25.07	25.07	1.67	23.05	23.05	1.78	21.06	21.06	1.89	19.08	19.08	1.99	17.10	17.10	2.08
		33.17	19.03	1.51	30.28	17.82	1.66	27.48	16.65	1.79	24.74	15.50	1.92	22.05	14.39	2.03	19.39	13.29	2.13
		29.79	24.01	1.54	27.15	22.66	1.67	24.58	21.35	1.80	22.09	20.06	1.91	19.65	18.80	2.01	17.35	17.35	2.10
1050		27.46	23.03	1.55	24.99	21.69	1.68	22.59	20.39	1.79	20.27	19.12	1.90	18.01	17.85	1.99	16.03	16.03	2.07
		27.61	27.61	1.55	25.50	25.50	1.68	23.43	23.43	1.79	21.39	21.39	1.90	19.37	19.37	2.01	17.35	17.35	2.10
		33.71	20.23	1.54	30.74	18.97	1.69	27.85	17.76	1.83	25.03	16.57	1.96	22.27	15.42	2.07	19.55	14.28	2.17
		30.28	25.90	1.57	27.57	24.48	1.71	24.93	23.10	1.84	22.39	21.72	1.95	20.04	20.04	2.05	17.91	17.91	2.15
1200		27.92	24.79	1.59	25.38	23.38	1.72	22.92	22.01	1.83	20.58	20.58	1.94	18.54	18.54	2.03	16.51	16.51	2.12
		28.74	28.74	1.58	26.51	26.51	1.71	24.33	24.33	1.84	22.17	22.17	1.95	20.04	20.04	2.05	17.91	17.91	2.15
		28.74	28.74	1.58	26.51	26.51	1.71	24.33	24.33	1.84	22.17	22.17	1.95	20.04	20.04	2.05	17.91	17.91	2.15

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**	Capacity MBtu/h	Sens†	Total System KW**
		24ANA748A30 Outdoor Section With FE4ANB006 Indoor Section - High Stage																	
		59.40	29.78	3.48	55.70	28.24	3.77	51.94	26.70	4.06	48.12	25.17	4.34	44.21	23.63	4.60	40.24	22.11	4.84
		53.40	35.17	3.43	49.97	33.57	3.70	46.49	31.98	3.97	42.95	30.40	4.22	39.32	28.81	4.46	35.61	27.21	4.68
1200		49.20	33.95	3.39	45.97	32.35	3.65	42.69	30.76	3.90	39.34	29.16	4.13	35.92	27.57	4.35	32.41	25.96	4.55
		47.99	40.50	3.37	44.82	38.85	3.63	41.61	37.21	3.88	38.35	35.57	4.11	35.03	33.90	4.32	31.88	31.88	4.53
		44.41	44.41	3.33	42.02	42.02	3.59	39.59	39.59	3.83	37.10	37.10	4.07	34.53	34.53	4.31	31.88	31.88	4.53
		61.59	31.59	3.57	57.63	29.99	3.87	53.63	28.40	4.16	49.57	26.82	4.44	45.44	25.24	4.71	41.26	23.67	4.95
1400		55.37	37.89	3.52	51.70	36.23	3.80	48.00	34.58	4.07	44.24	32.93	4.33	40.40	31.28	4.57	36.50	29.63	4.79
		51.02	36.52	3.48	47.56	34.85	3.75	44.07	33.20	4.00	40.52	31.54	4.24	36.90	29.88	4.46	33.22	28.22	4.67
		49.79	44.12	3.47	46.41	42.39	3.73	43.02	40.66	3.98	39.62	38.88	4.22	36.52	36.52	4.45	33.65	33.65	4.69
		47.24	47.24	3.44	44.64	44.64	3.71	42.00	42.00	3.96	39.30	39.30	4.21	36.52	36.52	4.45	33.65	33.65	4.69
		62.20	32.18	3.61	58.17	30.57	3.91	54.09	28.97	4.20	49.97	27.37	4.48	45.77	25.77	4.75	41.53	24.19	4.99
		55.93	38.79	3.56	52.19	37.11	3.84	48.42	35.45	4.11	44.59	33.78	4.37	40.69	32.12	4.61	36.74	30.45	4.84
1470		51.53	37.37	3.52	48.01	35.69	3.79	44.45	34.01	4.04	40.84	32.34	4.28	37.16	30.66	4.51	33.43	28.97	4.71
		50.30	45.33	3.51	46.87	43.57	3.77	43.43	41.79	4.02	40.03	39.90	4.26	37.12	37.12	4.51	34.19	34.19	4.74
		48.11	48.11	3.48	45.45	45.45	3.75	42.74	42.74	4.01	39.97	39.97	4.26	37.12	37.12	4.51	34.19	34.19	4.74
		63.18	33.23	3.68	59.05	31.60	3.99	54.82	29.97	4.28	50.58	28.35	4.57	46.28	26.73	4.83	41.94	25.12	5.08
		56.80	40.42	3.63	52.95	38.71	3.92	49.06	37.01	4.19	45.12	35.31	4.45	41.13	33.61	4.70	37.09	31.91	4.92
1600		52.33	38.90	3.59	48.70	37.18	3.86	45.03	35.47	4.12	41.32	33.76	4.37	37.56	32.05	4.59	33.74	30.32	4.80
		51.33	47.49	3.58	47.62	45.66	3.85	44.15	43.75	4.11	41.08	38.12	4.36	38.12	38.12	4.61	35.07	35.07	4.85
		49.58	49.58	3.57	46.80	46.80	3.84	43.97	43.97	4.10	41.08	41.08	4.36	38.12	38.12	4.61	35.07	35.07	4.85

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**	Sens†	Capacity MBtu/h	Total System KW**	Sens†	Capacity MBtu/h	Total System KW**	Sens†	Capacity MBtu/h	Total System KW**	Sens†	Capacity MBtu/h	Total System KW**	Sens†	Capacity MBtu/h	Total System KW**	Sens†
		24ANA760A30 Outdoor Section With FE4ANB006 Indoor Section - Low Stage																	
72		47.49	24.71	23.29	2.68	40.71	21.84	20.38	3.13	33.84	18.92	17.45	29.99	17.45	3.46				
67		42.91	29.99	28.39	2.69	36.51	26.79	2.90	33.23	25.18	21.96	26.53	21.96	3.36					
63	1100	39.63	28.93	27.32	2.69	33.52	24.09	2.88	30.39	24.09	20.88	24.09	20.88	3.27					
62		38.68	35.17	33.41	2.69	32.71	31.63	2.87	29.74	29.74	24.64	24.64	24.64	3.29					
57		37.17	37.17	34.73	2.69	32.25	32.25	2.87	29.74	29.74	24.64	24.64	24.64	3.29					
72		48.41	25.78	24.33	2.71	41.45	22.85	2.95	37.85	21.36	19.86	30.42	19.86	3.41					
67		43.80	31.67	30.03	2.73	37.20	28.37	2.94	33.82	26.72	23.39	26.94	23.39	3.41					
63	1225	40.47	30.52	28.86	2.73	34.17	27.20	2.92	30.95	25.53	22.21	24.47	22.21	3.32					
62		39.54	37.42	35.57	2.73	33.53	33.53	2.92	30.91	30.91	25.56	25.56	25.56	3.36					
57		38.67	38.67	36.12	2.73	33.53	33.53	2.92	30.91	30.91	25.56	25.56	25.56	3.36					
72		49.02	26.64	25.16	2.74	41.93	23.66	2.99	38.26	22.14	19.08	30.69	19.08	3.55					
67	1330	44.38	33.03	31.35	2.76	37.65	29.66	2.98	34.21	27.96	24.54	27.21	24.54	3.46					
63		41.03	31.80	30.11	2.77	34.59	28.41	2.96	31.32	26.70	23.28	24.72	23.28	3.37					
62		40.16	39.21	37.15	2.77	34.47	34.47	2.96	31.76	31.76	26.21	26.21	26.21	3.42					
57		39.78	39.78	37.15	2.77	34.47	34.47	2.96	31.76	31.76	26.22	26.22	26.22	3.42					
72		49.77	27.96	26.45	2.81	42.49	24.91	3.06	38.73	23.36	20.21	30.97	20.21	3.64					
67		45.07	35.13	33.41	2.83	38.20	31.66	3.06	34.67	29.89	26.30	27.53	26.30	3.54					
63	1500	41.71	33.78	32.03	2.84	35.11	30.27	3.04	31.76	28.50	24.85	25.06	24.85	3.46					
62		41.31	41.31	38.56	2.84	35.76	35.76	3.05	32.92	32.92	27.10	27.10	27.10	3.53					
57		41.31	41.31	38.56	2.84	35.76	35.76	3.05	32.92	32.92	27.10	27.10	27.10	3.53					

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
CFM	EWB	75			85			95			105			115			125		
		Capacity MBtu/h	Total System KW**	Sens†	Capacity MBtu/h	Total System KW**	Sens†	Capacity MBtu/h	Total System KW**	Sens†	Capacity MBtu/h	Total System KW**	Sens†	Capacity MBtu/h	Total System KW**	Sens†	Capacity MBtu/h	Total System KW**	Sens†
		24ANA760A30 Outdoor Section With FE4ANB006 Indoor Section - High Stage																	
72		75.21	37.49	35.35	5.15	65.01	33.26	5.46	59.94	31.22	29.22	49.63	29.22	6.50					
67		67.53	44.02	41.84	4.94	58.21	39.71	5.25	53.59	37.65	35.62	44.26	35.62	6.27					
63	1500	62.13	42.47	40.28	4.79	53.39	38.17	5.09	49.08	36.12	34.10	40.37	34.10	6.09					
62		60.58	50.45	48.22	4.75	52.03	46.06	5.05	47.84	43.94	41.84	39.57	39.57	6.06					
57		55.55	55.55	52.38	4.64	49.22	49.22	4.96	46.06	46.06	42.86	39.55	39.55	6.06					
72		77.93	39.65	37.42	5.37	66.95	35.24	5.68	61.53	33.13	31.05	50.58	31.05	6.71					
67		70.06	47.30	45.01	5.16	60.00	42.79	5.46	55.07	40.85	38.54	45.17	38.54	6.48					
63	1750	64.40	45.54	43.27	5.01	55.03	41.07	5.31	50.43	38.93	36.83	41.22	36.83	6.30					
62		62.82	54.79	52.44	4.97	53.72	45.15	5.27	49.32	47.86	45.19	41.60	41.60	6.32					
57		59.07	59.07	55.59	4.90	52.14	52.14	5.22	48.68	48.68	45.19	41.60	41.60	6.32					
72		78.67	40.34	38.07	5.46	67.44	35.87	5.76	61.92	33.73	31.64	50.79	29.55	6.79					
67	1835	70.68	48.33	46.03	5.25	60.46	43.78	5.54	55.44	41.61	39.48	45.38	37.35	6.56					
63		65.06	46.55	44.23	5.09	55.46	41.99	5.38	50.77	39.83	37.71	41.42	35.59	6.37					
62		63.45	56.19	53.80	5.05	54.18	51.45	5.35	49.75	49.06	45.86	42.17	42.17	6.42					
57		60.12	60.12	56.54	4.99	52.99	52.99	5.31	49.44	49.44	45.86	42.18	42.18	6.42					
72		79.84	41.58	39.26	5.63	68.21	37.02	5.93	62.52	34.85	32.72	51.08	30.60	6.96					
67	2000	71.76	50.27	47.93	5.41	61.19	45.64	5.71	56.01	43.42	41.24	45.67	39.05	6.72					
63		66.06	48.37	46.00	5.26	56.12	43.73	5.55	51.29	41.52	39.34	41.70	37.16	6.54					
62		64.47	58.80	56.31	5.22	54.99	53.81	5.52	50.75	50.75	47.00	43.15	43.15	6.61					
57		61.94	61.94	58.19	5.18	54.47	54.47	5.50	50.76	50.76	47.01	43.15	43.15	6.61					

DETAILED COOLING CAPACITIES CONTINUED

24ANA760A30 Outdoor Section With FE4ANB006 Indoor Section

Cooling Indoor Model	High Speed Capacity	Power	Low Speed Capacity	Power	Furnace Model
*FE4ANB006	1.00	1.00	1.00	1.00	
FV4BNB006	1.00	1.01	0.98	0.99	
CAP**6021A**	1.00	1.06	0.99	1.11	
CAP**6024A**	1.00	1.06	1.01	1.14	
CNPV*6024A**	1.00	1.07	1.00	1.13	
CNPV*6024A**	1.00	1.07	1.00	1.13	
CSPH*6012A**	1.00	1.06	1.01	1.14	
CAP**6021A**	0.99	1.04	0.99	1.01	58CV(A,X)110-20
CNPV*6024A**	0.99	1.04	0.99	1.02	58CV(A,X)110-20
CSPH*6012A**	1.00	1.04	0.99	1.02	58CV(A,X)110-20
CAP**6024A**	0.99	1.02	0.99	1.01	58CV(A,X)135-22
CNPV*6024A**	0.99	1.02	0.99	1.01	58CV(A,X)135-22
CNPV*6024A**	0.99	1.02	0.99	1.01	58CV(A,X)135-22
CSPH*6012A**	1.00	1.03	0.99	1.01	58CV(A,X)135-22
CAP**6024A**	1.00	1.03	0.99	1.01	58CV(A,X)155-22
CNPV*6024A**	0.99	1.01	0.99	1.01	58CV(A,X)155-22
CNPV*6024A**	0.99	1.01	0.99	1.01	58CV(A,X)155-22
CSPH*6012A**	1.00	1.02	0.99	1.00	58CV(A,X)155-22
CAP**6021A**	0.98	1.06	0.98	1.04	58MVB080-20
CNPV*6024A**	0.98	1.07	0.98	1.04	58MVB080-20
CSPH*6012A**	0.99	1.07	0.98	1.04	58MVB080-20
CAP**6021A**	0.98	1.05	0.98	1.02	58MVB100-20
CNPV*6024A**	0.98	1.05	0.98	1.02	58MVB100-20
CSPH*6012A**	0.99	1.06	0.99	1.03	58MVB100-20
CAP**6024A**	0.98	1.05	0.98	1.02	58MVB120-20
CNPV*6024A**	0.98	1.04	0.98	1.02	58MVB120-20
CSPH*6024A**	0.98	1.04	0.98	1.02	58MVB120-20
CSPH*6012A**	0.99	1.05	0.98	1.02	58MVB120-20

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

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

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

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

‡ Sensible capacities shown are based on 80°F (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btu/h (245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btu/h (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C). When the required data fall between the published data, interpolation may be performed.

GUIDE SPECIFICATIONS

GENERAL

System Description

Outdoor-mounted, air-cooled, split-system air conditioner unit suitable for ground or rooftop installation. Unit consists of a hermetic compressor, an air-cooled coil, 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 210.
- Unit will be certified for capacity and efficiency, and listed in the latest ARI directory.
- Unit construction will comply with latest edition of ANSI/ASHRAE and with NEC.
- Unit will be constructed in accordance with UL standards and will carry the UL label of approval. Unit will have c-UL approval.
- Unit cabinet will be capable of withstanding Federal Test Method Standard No. 141 (Method 6061) 500-hr salt spray test.
- Air-cooled condenser coils will be leak tested and pressure tested
- Unit constructed in ISO9001 approved facility.

Delivery, Storage, and Handling

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

Warranty (for inclusion by specifying engineer)

- U.S. and Canada only.

PRODUCTS

Equipment

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

Unit Cabinet

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

Fans

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

AIR-COOLED, SPLIT-SYSTEM AIR CONDITIONER

24ANA7

2 TO 5 NOMINAL TONS

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

Compressor

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

Condenser Coil

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

Refrigeration Components

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

Operating Characteristics

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

Electrical Requirements

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

Special Features

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