

HEAT PUMP OUTDOOR UNITS



XP20
ELITE® Series
Variable Capacity

PRODUCT SPECIFICATIONS

Bulletin No. 210733
 December 2015
 Supersedes October 2015



ELITE®
SERIES



iComfort®

So simple. So smart. So comfortable.



* iComfort® S30
 Thermostat



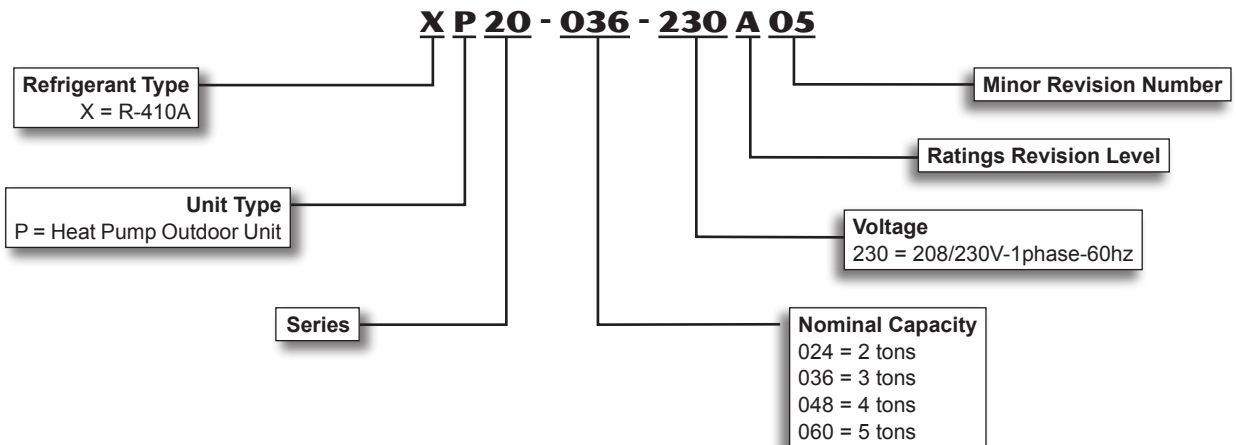
SEER up to 20.00

2 to 5 Tons

Cooling Capacity - 22,400 to 58,000 Btuh

Heating Capacity - 21,800 to 55,000 Btuh

MODEL NUMBER IDENTIFICATION



* iComfort® S30 or iComfort Wi-Fi® Thermostat required. Not furnished - Order separately.

FEATURES

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WARRANTY

Compressor - Limited warranty for **ten years** in residential installations and five years in non-residential installations.

All other covered components - Limited warranty for **five years** in residential installations and one year in non-residential installations. Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

APPROVALS

AHRI Certified to AHRI Standard 210/240-2008.

Sound rated in Lennox reverberant sound test room in accordance with test conditions included in AHRI Standard 270-2008.

Tested in the Lennox Research Laboratory environmental test room.

Rated according to U.S. Department of Energy (DOE) test procedures.

Heat pumps and components within bonded for grounding to meet safety standards for servicing required by UL and CEC.

Units are ETL certified for the U.S. and Canada.

ISO 9001 Registered Manufacturing Quality System.

ENERGY STAR® certified units are designed to use less energy, help save money on utility bills, and help protect the environment.

For expanded ratings, see www.lennox.com.

APPLICATIONS

SEER up to 20.00.

HSPF (region IV) up to 10.00.

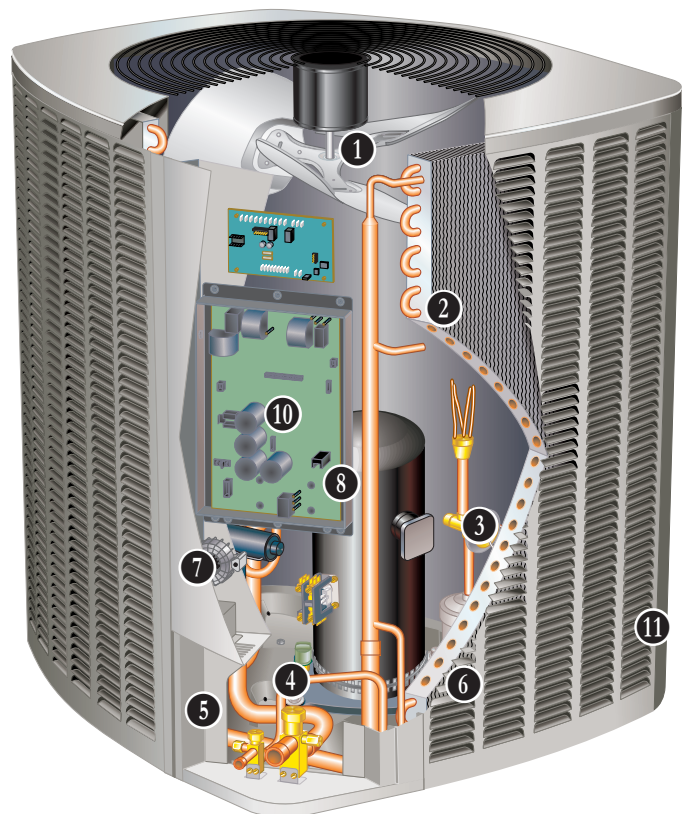
2 through 5 ton.

Single phase power supply.

Sound levels as low as 65 dB.

Vertical air discharge allows concealment behind shrubs at grade level or out of sight on a roof.

Designed for applications with matching air handlers or add-on furnace indoor coils. See AHRI System Matches. See Air Handlers and Indoor Coils sections for indoor unit data.



Units shipped completely factory assembled, piped, and wired. Each unit is test operated at the factory insuring proper operation.

Installer must set heat pump, connect refrigerant lines, and make electrical connections to complete job.

When heat pumps are used with gas furnaces, a dual-fuel compatible thermostat or a zone control system with dual-fuel capabilities must be used (order separately).

NOTE - The XP20 heat pump can only be matched with iComfort®-enabled variable-speed indoor furnaces and air handlers.

REFRIGERATION SYSTEM

R-410A Refrigerant

Non-chlorine, ozone friendly, R-410A.

Unit is factory pre-charged. See Specification table.



Total system refrigerant charge is dependant on outdoor unit size, indoor unit size and refrigerant line length. Refer to the unit-mounted charging sticker to determine correct amount of charge required.

1 Outdoor Coil Fan

Direct drive fan moves large air volumes uniformly through entire condenser coil for high refrigerant cooling capacity.

Vertical air discharge minimizes operating sounds and eliminates damage to lawn and shrubs.

Fan guard constructed of corrosion-resistant PVC (polyvinyl chloride) coated steel.

Fan service access accomplished by removal of fan guard.

FEATURES

REFRIGERATION SYSTEM (continued)

Variable-Speed Outdoor Coil Fan Motor With Integrated Control

Outdoor coil fan motor with integrated control is programmed for variable capacity operation. Fan speed is directly controlled by the iComfort® communications between the outdoor unit iComfort® control and the iComfort Wi-Fi® Thermostat.

Fan motor is inherently protected.

Motor totally enclosed for maximum protection from weather, dust and corrosion.

2 Copper Tube/Enhanced Fin Coil

Lennox designed and fabricated coil.

Ripple-edged aluminum fins.

Copper tube construction.

Lanced fins provide maximum exposure of fin surface to air stream resulting in excellent heat transfer.

Fin collars grip tubing for maximum contact area.

Inverted coil circuiting prevents ice buildup at coil base in low ambients. Discharge gas enters bottom of coil during defrost and heat of refrigerant flows counter to water drainage resulting in extremely clean and unobstructed fins and tubes.

Fin spacing allows rapid and complete water drainage.

Flared shoulder tubing connections/silver soldering construction.

Coil is factory tested under high pressure to insure leakproof construction.

Entire coil is accessible for cleaning.

3 Expansion Valve - Outdoor Unit

Designed and sized specifically for use in heat pump system.

Sensing bulb is located on the line between reversing valve and the coil thus sensing suction temperature in the heat cycle.

Factory installed and piped.

Discharge Temperature Switch

Shuts off unit if operating conditions cause the compressor discharge line temperature to rise above setpoint.

Protects compressor from excessive pressure / temperature.

Automatic reset when temperature drops below setpoint.

4 High Pressure Switch

Shuts off unit if abnormal operating conditions cause the discharge pressure to rise above setting.

Protects compressor from excessive condensing pressure.

Auto-reset.

5 Low Pressure Switch

Shuts off unit if suction pressure falls below setting. Provides loss of charge and freeze-up protection. Auto-reset.

6 Hi-Capacity Liquid Line Drier

Factory installed in the liquid line, the drier traps moisture or dirt that could contaminate the refrigerant system.

100% molecular-sieve bead type drier.

7 Reversing Valve

4-way interchange reversing valve effects a rapid change in direction of refrigerant flow resulting in quick changeover from cooling to heating and vice versa.

Valve operates on pressure differential between outdoor unit and indoor unit of the system. Factory installed.

Optional Accessories

Expansion Valve Kits

Must be ordered separately and field installed on certain indoor units. See TXV Usage table.

Chatleff style fitting.

Freezestat

Installs on or near the discharge line of the evaporator or on the suction line.

Senses suction line temperature and cycles the compressor off when suction line temperature falls below its setpoint.

Opens at 29°F and closes at 58°F.

Refrigerant Line Kits

Refrigerant lines (suction & liquid) are shipped refrigeration clean. Lines are cleaned, dried, pressurized, and sealed at factory.

Suction line fully insulated.

L15 lines are stubbed at both ends.

See Specifications table for selection.

Not available for -060 model and must be field fabricated.

NOTE - The XP20 is a variable capacity heat pump utilizing variable speed compressor technology. With the variable speed compressor and variable pumping capacity, additional consideration must be given to refrigerant piping sizing and application.

Please refer to the Installation Instructions or Service Literature for Line Set Requirements and Refrigerant Piping Guidelines.

FEATURES

PRECISE COMFORT® TECHNOLOGY

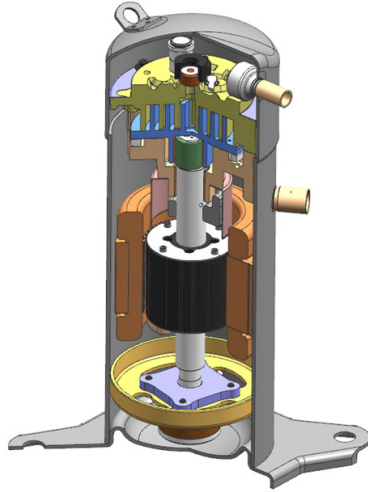
The Variable Capacity Compressor and DC Inverter Control is an integrated system that operates together to reduce overall energy usage when compared to conventional heat pumps.

8 Variable Capacity Scroll Compressor

Operates on a variable frequency determined by the DC Inverter Control to vary capacity based on the cooling load required.

Features high efficiency with uniform suction flow, constant discharge flow, high volumetric efficiency and quiet operation.

Consists of two involute spiral scrolls matched together to generate a series of crescent shaped gas pockets between them.



During compression, one scroll remains stationary while the other scroll orbits around it.

Gas is drawn into the outer pocket, the pocket is sealed as the scroll rotates.

As the spiral movement continues, gas pockets are pushed to the center of the scrolls. Volume between the pockets is simultaneously reduced. When the pocket reaches the center, gas is now at high pressure and is forced out of a port located in the center of the fixed scrolls.

During compression, several pockets are compressed simultaneously resulting in a smooth continuous compression cycle. Continuous flank contact, maintained by centrifugal force, minimizes gas leakage and maximizes efficiency.

Compressor is tolerant to the effects of slugging and contaminants. If this occurs, scrolls separate, allowing liquid or contaminants to be worked toward the center and discharged.

Top Cap Thermal Sensor Switch

Located on top of the compressor casing.

Discontinues compressor operation in case of abnormal operating conditions.

Compressor Sound Dampening System

A polyethylene compressor cover containing a 2 inch thick batt of fiberglass insulation for better sound dampening.

All open edges are sealed with a one-inch wide hook and loop fastening tape.

Crankcase Heater

Crankcase heater prevents migration of liquid refrigerant into compressor and ensures proper compressor lubrication.

9 DC Inverter Control

Converts AC line voltage into filtered variable DC voltage.

Provides continuous compressor operation, while adjusting the capacity according to indoor temperature.

Adjusts compressor output in increments as small as 1%.

The accurate sensing of cooling load prevents frequent changes in capacity and ensures efficient, economical operation.

Power Factor Correction (PFC) circuit monitors the DC bus for high, low and abnormal voltage conditions to protect the compressor.

Two LEDs (red and green) indicate inverter operating status and aid in troubleshooting.

Noise filter reduces unwanted electromagnetic interference (EMI). Integrated on the control for 024 and 036 models, external to the control for 048 and 060 models.

The inverter reactor (mounted separately) adds inductance to the line between the inverter and the compressor to limit current rise and protect the compressor.



FEATURES

CONTROLS

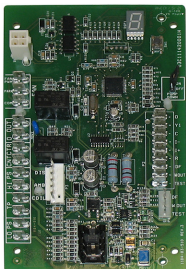
10 iComfort® Control

Advanced control communicates information about various operating parameters in the air conditioner to the *iComfort® S30 Thermostat* or *iComfort Wi-Fi® Thermostat* to constantly maintain the highest level of comfort, performance and efficiency available.

Auto Configuration - On start-up the control automatically sends a description of the unit to the *iComfort® S30 Thermostat* or *iComfort Wi-Fi® Thermostat* to automatically configure the features available.

Control also features:

- Seven-Segment Display shows information about outdoor unit type and capacity and also displays alerts for common fault conditions (electrical and mechanical).
- Low voltage protection prevents compressor operation when voltage is not within the specified range.
- Compressor defrost shift delay - Adjustable 0 (factory) or 30 seconds.
- Demand defrost using outdoor ambient air temperature, coil temperature and compressor run-time inputs. 14 minute maximum defrost time.
- Selectable defrost termination temperature - 50, 70, 90 or 100°F. Default setting is 50°F.
- High and low pressure switch monitoring with provisions for lockout.
- Five-Strike lockout protection protects compressor.
- Discharge line temperature and outdoor air temperature monitoring.
- EEPROM storage of all local configurations.
- Non-volatile memory storage of 100 alarm codes with display of last 10 codes for troubleshooting.
- Built-in low ambient control.



Climate IQ™ Technology

Optimizes dehumidification settings for specific climates to improve home comfort during cooling or heating operation.

iComfort Wi-Fi® Thermostat Settings:

Cooling Mode

Three climate settings are available:

- Dry - The system supplies higher indoor airflow at all compressor capacities, increasing efficiency by operating at a higher sensible to total ratio.
- Moderate - The system supplies indoor airflow that balances efficiency and comfort.
- Humid - The system supplies lower indoor airflow at all compressor capacities, improving humidity removal by operating at a lower sensible to total ratio.

Heating Mode

Two climate settings are available:

- Comfort - The system reduces indoor airflow, increasing supply air temperature.
- Normal - Standard system operation.

iComfort® S30 Thermostat Setting:

- Climate IQ (Auto) - Dry, Normal, Basic and Humid modes are automatically set based on the difference between the measured relative humidity and the relative humidity setting.

All modes are selected on the *iComfort® S30 Thermostat* or *iComfort Wi-Fi® Thermostat*.

Outdoor Air Temperature Sensor

Used with *iComfort®*-enabled Thermostats.

Sensor allows thermostat to display outdoor temperature. Sensor is auto-detected when connected to thermostat.

Low Ambient Operation

Cooling Mode - The heat pump can operate down to 0°F outdoor air temperature in the cooling mode.

NOTE - A freeze-stat is recommended for extra protection during low ambient cooling operation.

Heating Mode (Low Temperature Protection) -

Outdoor unit will not operate in the heating mode when the outdoor temperature is at or below -4°F. If the unit is operating and the outdoor temperature drops below -4°F, the unit will continue to operate until the room thermostat is satisfied or the outdoor temperature drops to -15°F.

FEATURES

CONTROLS (continued)

REQUIRED COMPONENTS

NOTE - The XP20 heat pump can only be used with an iComfort® S30 or iComfort Wi-Fi® Thermostat.

iComfort® S30 Thermostat (part of the iComfort® Residential Communicating Control System)

The *iComfort® S30 Thermostat* recognizes and connects to all iComfort®-enabled products to automatically configure and control the heating/cooling system (based on user-specified settings) for the highest level of comfort, performance and efficiency. Also recognizes model and serial number information for iComfort®-enabled products to simplify system setup.



Wi-Fi remote temperature monitoring and adjustment through a home wireless network for desktop PCs, laptops and apps for smartphones or tablets. Also displays service alerts and reminders.

Dealer Dashboard features online real-time monitoring of installed iComfort® systems.

A simple easy-to-use touchscreen allows complete system configuration. Scheduled maintenance alerts, system warnings and troubleshooting are also displayed on thermostat screen.

Easy to read 7 in. high definition color display (measured diagonally).

Installer setup screens allow quick and simple system configuration without a manual, Installer can also run tests on complete system or individual components for easy maintenance and troubleshooting.

Serial communications bus (RSBus), with less wiring than a conventional heating/cooling system, allows system communication. Uses 4-wire, 18-gauge standard thermostat wiring.

Remote outdoor temperature sensor (furnished with outdoor unit) allows the thermostat to display outdoor temperature. Required in dual-fuel and *Humiditrol®* applications.

High Definition Color Display, Mag-Mount, Smart Hub Controller, wallplate (for retrofit installations) furnished for easy installation.

See the *iComfort® S30 Thermostat* Product Specifications bulletin in the Controls section for more information.

iComfort Wi-Fi® Thermostat (part of the iComfort® Residential Communicating Control System)

The *iComfort Wi-Fi® Thermostat* recognizes and connects to all iComfort®-enabled products to automatically configure and control the heating/cooling system (based on user-specified settings) for the highest level of comfort, performance and efficiency. Also



recognizes model and serial number information for iComfort®-enabled products to simplify system setup.

Wi-Fi remote temperature monitoring and adjustment through a home wireless network for desktop PCs, laptops and apps for smartphones or tablets. Also displays service alerts and reminders.

Dealer Dashboard features online real-time monitoring of installed iComfort® systems.

A simple easy-to-use touchscreen allows complete system configuration. Scheduled maintenance alerts, system warnings and troubleshooting are also displayed on thermostat screen.

Easy to read 7-inch color screen (measured diagonally).

Installer setup screens allow quick and simple system configuration without a manual, Installer can also run tests on complete system or individual components for easy maintenance and troubleshooting.

Serial communications bus (RSBus), with less wiring than a conventional heating/cooling system, allows system communication. Uses 4-wire, 18-gauge standard thermostat wiring.

Remote outdoor temperature sensor (furnished with outdoor unit) allows the thermostat to display outdoor temperature. Required in dual-fuel and *Humiditrol®* applications.

See the *iComfort Wi-Fi® Thermostat* Product Specifications bulletin in the Controls section for more information.

FEATURES

CABINET

Heavy-gauge steel construction

Pre-painted cabinet finish.

Control box is conveniently located with all controls factory wired.

Large removable panel provides service access.

Drainage holes are provided in base section for moisture removal.

High density polyethylene unit support feet raise the unit off of the mounting surface, away from damaging moisture.

PermaGuard™ Unit Base

Durable zinc-coated base section resists rust and corrosion.

11 SmartHinge™ Louvered Coil Protection

Steel louvered panels provides complete coil protection.

Panels are hinged to allow easy cleaning and servicing of coils.

Panels may be completely removed.

Interlocking tabs and slots assure tight fit on cabinet.



Refrigerant Line Connections, Electrical Inlets and Service Valves

Vapor and liquid lines are located on corner of unit cabinet and are made with sweat connections. See dimension drawing.

Fully serviceable brass service valves prevent corrosion and provide access to refrigerant system. Vapor valve can be fully shut off, while liquid valve may be front seated to manage refrigerant charge while servicing system.

Refrigerant line connections and field wiring inlets are located in one central area of the cabinet. See dimension drawing.

Optional Accessories

Snow Guard

For use in locations where the possibility of heavy snow or freezing rain accumulation may occur.

Heavy gauge powder coated steel guard deflects snow and ice away from the outdoor fan and prevents build-up on the fan guard.

SPECIFICATIONS

General Data		Model No.	XP20-024	XP20-036	XP20-048	XP20-060
		Nominal Tonnage	2	3	4	5
Connections (sweat)	Liquid line (o.d.) - in.		3/8	3/8	3/8	3/8
	Vapor line (o.d.) - in.		3/4	7/8	7/8	1-1/8
Refrigerant		¹ R-410A charge furnished	7 lbs. 9 oz.	10 lbs. 11 oz.	12 lbs. 11 oz.	13 lbs. 15 oz.
Outdoor Coil	Net face area - sq. ft.		21.00	21	24.5	27.22
	Outer coil					
	Inner Coil		- - -	20.27	23.64	26.36
	Tube diameter - in.		5/16	5/16	5/16	5/16
	No. of rows		1	2	2	2
		Fins per inch	22	22	22	22
Outdoor Fan	Diameter - in.		26	26	26	26
	No. of blades		3	3	3	3
	Motor hp (W)		1/3	1/3	1/3	1/3
	Cfm - Min. Speed		1500	2012	2900	2400
	Max. Speed		2520	3678	3850	4160
	Rpm - Min. Speed		400	405	600	480
	Max. Speed		700	750	800	835
	Watts - Min. Speed		30	29	77	47
	Max .Speed		63	149	178	203
Shipping Data - lbs. - 1 pkg.			247	280	326	330

ELECTRICAL DATA

Line voltage data - 60hz		208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph	
² Maximum overcurrent protection (amps)		30	35	50	60	
³ Minimum circuit ampacity		19.1	20.8	29.3	34.9	
Compressor	Rated load amps		13.0	14.4	21.2	25.7
	Locked rotor amps		13	13	20	20
	Power factor		.98	.99	.99	.99
Outdoor Coil Fan Motor - Full load amps		2.8	2.8	2.8	2.8	

REQUIRED COMPONENTS - ORDER SEPARATELY

iComfort® S30 Thermostat	12U67	•	•	•	•
iComfort Wi-Fi® Thermostat	10F81	•	•	•	•
⁴ Discharge Temperature Sensor	88K38	•	•	•	•

OPTIONAL ACCESSORIES - ORDER SEPARATELY

⁵ Freezestat	3/8 in. tubing	93G35	•	•	•	•
	5/8 in. tubing	50A93	•	•	•	•
⁶ Refrigerant Line Sets	L15-41-20 , L15-41-30, L15-41-40, L15-41-50		•			
	L15-65-30, L15-65-40, L15-65-50			•	•	
	Field Fabricate					•
⁷ Snow Guard		Y1033	•	•	•	•

NOTE - Extremes of operating range are plus 10% and minus 5% of line voltage.

¹ Refrigerant charge sufficient for 15 ft. length of refrigerant lines. For longer line set requirements see the Installation Instructions for information about line set length and additional refrigerant charge required.

² HACR type breaker or fuse.

³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

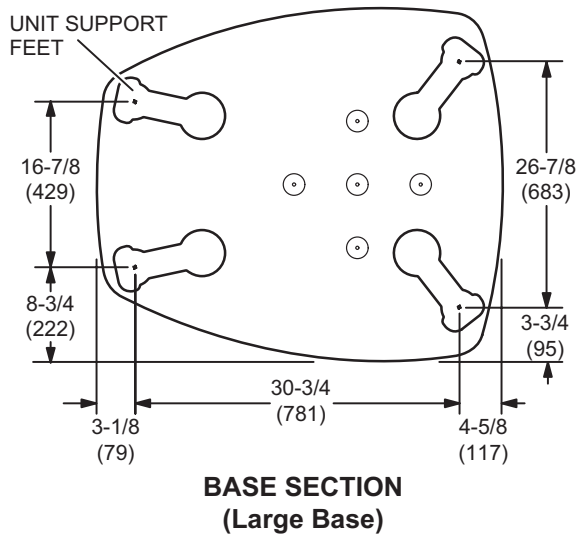
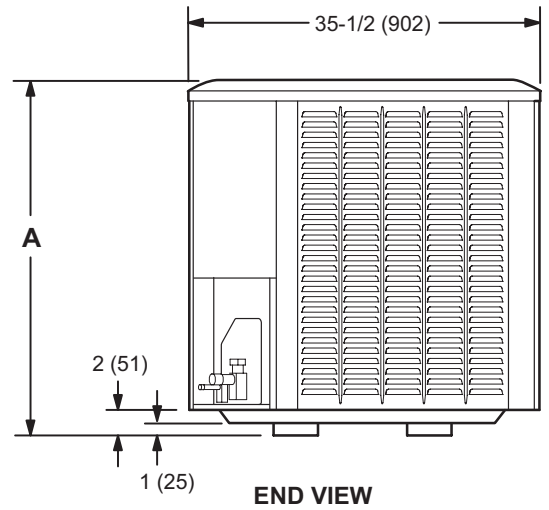
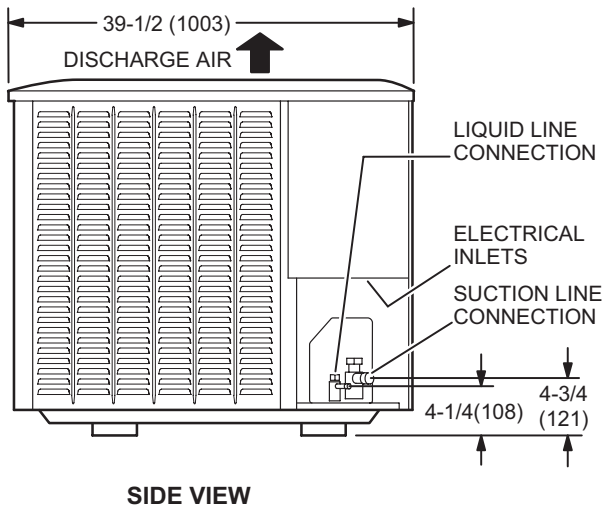
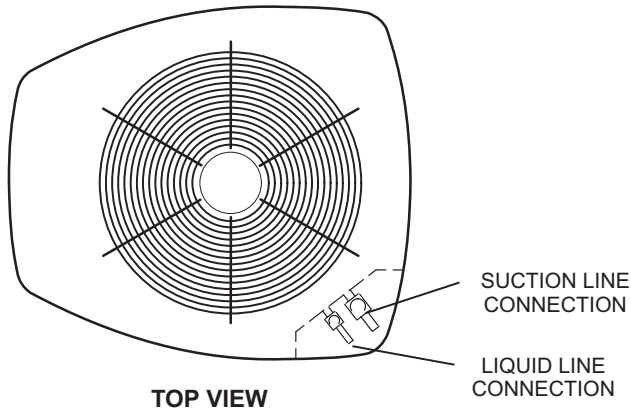
⁴ Used with the iComfort® S30 and iComfort Wi-Fi® Thermostats for optional service diagnostics.

⁵ Freezestat is recommended for Low Ambient operation.

⁶ Refer to the Installation Instructions or Service Literature for Line Set Requirements and Refrigerant Piping Guidelines.

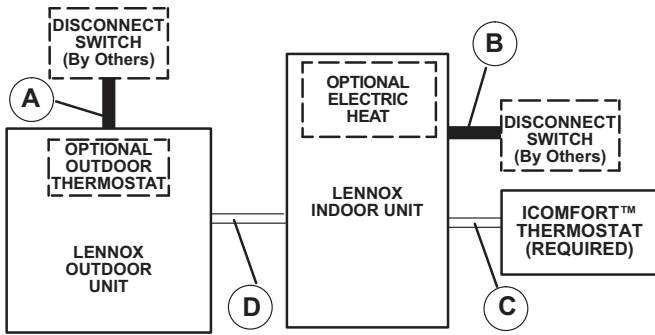
⁷ Adds 11-1/2 inches (292 mm) to unit height.

DIMENSIONS - INCHES (MM)



Model No.	A	
	in.	mm
XP20-024	39	991
XP20-036	39	991
XP20-048	45	1143
XP20-060	45	1143

FIELD WIRING



- A - Two Wire Power (see Electrical Data)
- B - Two or Three Wire Power (size to heater capacity)
- C - Four Wire Low Voltage RSBUS (not furnished) 18 ga. minimum
- D - Four Wire Low Voltage RSBUS (not furnished) 18 ga. minimum

NOTE - Field Wiring Not Furnished

All wiring must conform to NEC or CEC and local electrical codes.

SOUND DATA

Unit Model	Operation	Octave Band Linear Sound Power Levels dB, re 10 ⁻¹² Watts - Center Frequency - Hz								1 Sound Rating Number (SRN) (dBA)
		63	125	250	500	1000	2000	4000	8000	
024	Min.	50.1	50.7	50.8	48.9	50.6	47.0	46.9	53.3	65
	Max.	50.5	51.7	54.5	58.2	60.9	60.2	58.0	58.0	72
036	Min.	50.7	50.6	51.1	52.0	52.3	45.8	43.5	48.7	67
	Max.	50.9	54.1	59.6	65.5	64.6	60.4	57.9	58.7	75
048	Min.	49.5	52.8	54.7	59.9	57.8	51.9	50.6	58.2	68
	Max.	50.6	57.7	59.2	65.6	64.6	60.2	59.6	58.4	75
060	Min.	49.3	51.1	53.5	56.8	55.3	49.7	50.4	56.7	69
	Max.	53.3	53.8	59.8	66.5	65.5	61.7	60.7	59.4	75

¹ Sound Rating Number according to ANSI/AHRI Standard 270-2008. "SRN" is the overall A-Weighted Sound Power Level, (LWA), dB (100 Hz to 10,000 Hz).

INSTALLATION CLEARANCES

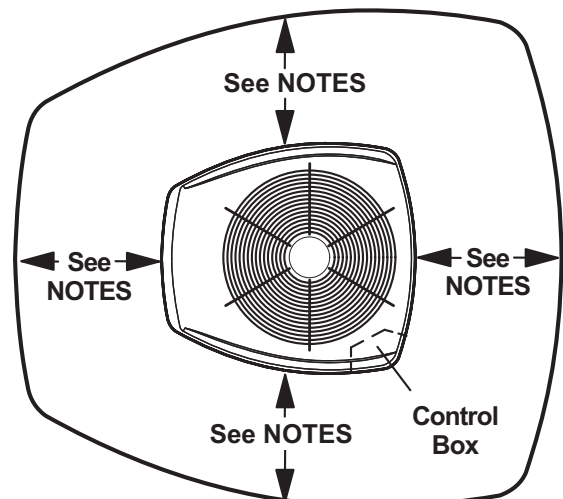
NOTES:

Service clearance of 30 in. (762 mm) must be maintained on one of the sides adjacent to the control box.

Clearance to one of the other three sides must be 36 in. (914 mm)

Clearance to one of the remaining two sides may be 12 in. (305 mm) and the final side may be 6 in. (152 mm).

A clearance of 24 in. must be maintained between two units. 48 in. (1219 mm) clearance required on top of unit.



TXV USAGE

Model No.	Order No.
XP20-024	12J18
XP20-036	12J19
XP20-048	12J20
XP20-060	12J20

CX34 upflow coils and all Lennox air handlers are shipped with a factory installed TXV.

C33 and CH33 coils - Replace the factory installed orifice with the expansion valve listed.

CR33 and CH23 - Use the expansion valve listed.

MOST POPULAR MATCHES

Outdoor Unit Model No.	Indoor Unit Model No
XP20-024	CBX32MV-024/030
XP20-036	CBX32MV-036
XP20-048	CBX32MV-048
XP20-060	CBX32MV-060

AHRI STANDARD 210/240

Cooling or heating capacities are net values, including the effects of blower motor heat, and do not include supplementary heat. Power input is the total power input to the compressor(s) and fan(s), plus any controls and other items required as part of the system for normal operation.

Units which do not have an indoor air-circulating blower furnished as part of the model, i.e., split system with indoor coil only, is established by subtracting from the total cooling capacity 1250 Btu/h per 1,000 cfm, and by adding the same amount to the heating capacity. Total power input for both heating and cooling is increased by 365 W per 1,000 cfm of indoor air circulated.

AHRI SYSTEM MATCHES

Model No.	Cooling Cap.	SEER	EER	Heat Capacity		Heat COP		HSPF (IV)	Coil or Air Handler	Furnace	AHRI Ref. Number
				High	Low	High	Low				
XP20-024-230A	22,600	18.50	13.50	21,600	13,500	3.62	2.34	9.00	C33-31A	SL280UH070V36A	8635948
XP20-024-230A	22,600	18.50	13.50	21,600	13,500	3.62	2.34	9.00	C33-31A	SL280UH070XV36A	8635949
XP20-024-230A	22,600	18.50	13.50	21,600	13,600	3.60	2.34	9.00	C33-31B	EL296UH045XV36B	8635950
XP20-024-230A	22,600	19.00	13.50	21,600	13,500	3.62	2.34	9.00	C33-31B	EL296UH070XV36B	8635951
XP20-024-230A	22,600	19.00	13.50	21,400	13,500	3.62	2.36	9.00	C33-31B	SL280UH090V36B	8635952
XP20-024-230A	22,600	19.00	13.50	21,600	13,500	3.62	2.34	9.00	C33-31B	SLP98UH070XV36B	8635953
XP20-024-230A	23,000	18.50	13.50	21,800	13,300	3.68	2.34	9.50	C33-38A	SL280UH070V36A	8550435
XP20-024-230A	23,000	18.50	13.50	21,800	13,300	3.68	2.34	9.50	C33-38A	SL280UH070XV36A	8550436
XP20-024-230A	23,000	18.50	13.50	21,800	13,300	3.66	2.32	9.60	C33-38B	EL296UH045XV36B	8550437
XP20-024-230A	23,000	19.00	13.50	21,800	13,300	3.68	2.34	9.60	C33-38B	EL296UH070XV36B	8550438
XP20-024-230A	23,000	19.00	13.50	21,800	13,300	3.72	2.36	9.60	C33-38B	SL280UH090V36B	8550439
XP20-024-230A	23,000	19.00	13.50	21,800	13,300	3.68	2.34	9.60	C33-38B	SLP98UH070XV36B	8550440
XP20-024-230A	22,400	19.00	13.50	21,800	14,700	3.56	2.40	9.60	CBX32MV-018/024		8593940
XP20-024-230A	23,200	20.00	14.00	22,000	13,700	3.82	2.44	10.00	CBX32MV-024/030		8550431
XP20-024-230A	23,000	19.50	14.00	22,200	14,400	3.62	2.44	9.60	CH35-30B	EL296UH045XV36B	8550447
XP20-024-230A	23,000	19.50	13.50	22,200	14,400	3.64	2.46	9.60	CH35-30B	EL296UH070XV36B	8550448
XP20-024-230A	23,200	20.00	13.50	22,200	14,300	3.68	2.46	9.60	CH35-30B	SL280UH090V36B	8550449
XP20-024-230A	23,000	19.50	13.50	22,200	14,400	3.64	2.46	9.60	CH35-30B	SLP98UH070XV36B	8550450
XP20-024-230A	22,600	19.00	13.50	22,000	14,700	3.70	2.52	9.60	CR33-48B	EL296DF045XV36B	8550432
XP20-024-230A	22,600	19.00	13.50	22,000	14,700	3.70	2.50	9.60	CR33-48B	SL280DF070V36A	8688155
XP20-024-230A	22,600	19.00	13.50	22,000	14,700	3.72	2.52	9.60	CR33-48B	SL280DF090V48B	8688154
XP20-024-230A	22,600	19.00	13.50	22,000	14,700	3.74	2.54	9.60	CR33-48B	SLP98DF070XV36B	8550433
XP20-024-230A	22,600	19.50	14.00	22,000	14,700	3.74	2.54	9.60	CR33-48B	SLP98DF090XV36C	8550434
XP20-024-230A	22,600	18.50	13.50	21,600	13,500	3.62	2.34	9.00	CX34-31A	SL280UH070V36A	8550441
XP20-024-230A	22,600	18.50	13.50	21,600	13,500	3.62	2.34	9.00	CX34-31A	SL280UH070XV36A	8550442
XP20-024-230A	22,600	18.50	13.50	21,600	13,600	3.60	2.34	9.00	CX34-31B	EL296UH045XV36B	8550443
XP20-024-230A	22,600	19.00	13.50	21,600	13,500	3.62	2.34	9.00	CX34-31B	EL296UH070XV36B	8550444
XP20-024-230A	22,600	19.00	13.50	21,400	13,500	3.62	2.36	9.00	CX34-31B	SL280UH090V36B	8550445
XP20-024-230A	22,600	19.00	13.50	21,600	13,500	3.62	2.34	9.00	CX34-31B	SLP98UH070XV36B	8550446
XP20-024-230A	23,000	18.50	13.50	21,800	13,300	3.68	2.34	9.50	CX34-38A	SL280UH070V36A	8635936
XP20-024-230A	23,000	18.50	13.50	21,800	13,300	3.68	2.34	9.50	CX34-38A	SL280UH070XV36A	8635937
XP20-024-230A	23,000	18.50	13.50	21,800	13,300	3.66	2.32	9.60	CX34-38B	EL296UH045XV36B	8635938
XP20-024-230A	23,000	18.50	13.50	21,800	13,300	3.68	2.34	9.60	CX34-38B	EL296UH070XV36B	8635939
XP20-024-230A	23,000	19.00	13.50	21,800	13,300	3.72	2.36	9.60	CX34-38B	SL280UH090V36B	8635940
XP20-024-230A	23,000	18.50	13.50	21,800	13,300	3.68	2.34	9.60	CX34-38B	SLP98UH070XV36B	8635941
XP20-036-230A	34,000	20.00	12.50	33,000	22,000	3.16	2.36	9.00	C33-38A	SL280UH070V36A	8550451
XP20-036-230A	34,000	20.00	12.50	33,000	22,000	3.16	2.36	9.00	C33-38A	SL280UH070XV36A	8550452
XP20-036-230A	34,000	20.00	12.50	33,000	22,000	3.16	2.36	9.00	C33-38B	EL296UH045XV36B	8550454
XP20-036-230A	34,000	20.00	12.50	33,000	22,000	3.18	2.36	9.60	C33-38B	EL296UH070XV36B	8550455
XP20-036-230A	34,200	20.00	13.00	32,600	21,800	3.22	2.42	9.60	C33-38B	SL280UH090V36B	8550453
XP20-036-230A	34,000	20.00	12.50	33,000	22,000	3.18	2.36	9.60	C33-38B	SLP98UH070XV36B	8550456
XP20-036-230A	34,200	20.00	12.50	32,600	21,400	3.14	2.18	9.00	C33-43B	EL296UH045XV36B	8550458
XP20-036-230A	34,400	20.00	12.50	32,600	21,400	3.14	2.18	9.00	C33-43B	EL296UH070XV36B	8550459
XP20-036-230A	34,400	20.00	13.00	32,400	21,200	3.22	2.22	9.00	C33-43B	SL280UH090V36B	8550457
XP20-036-230A	34,400	20.00	12.50	32,600	21,400	3.14	2.18	9.00	C33-43B	SLP98UH070XV36B	8550460
XP20-036-230A	34,400	20.00	13.00	32,400	21,200	3.20	2.22	9.00	C33-43C	EL296UH090XV36C	8550461
XP20-036-230A	34,400	20.00	13.00	32,400	21,200	3.20	2.22	9.00	C33-43C	SLP98UH090XV36C	8550462

NOTES:

Ratings are AHRI certified to AHRI Standard 210/240 (with 25 ft. of connecting refrigerant lines);

- Cooling Ratings - 95°F outdoor air temperature and 80 °F db/67° F wb entering indoor coil air.
- High Temperature Heating Ratings - 47° F db/43° F wb outdoor air temperature and 70 °F db entering indoor coil air.
- Low Temperature Heating Ratings - 17 °F db/15° F wb outdoor air temperature and 70 °F db entering indoor coil air.

All ratings include the use of a blower time delay relay (TDR). All Lennox variable-speed Furnaces and Air Handlers have time delay capabilities. Other Furnaces and Air Handlers may require an optional time delay relay (**58M81**) for field installation. See furnace or air handler specifications to determine if relay is needed.

Also see TXV Substitution Table at the beginning of the Heat Pump AHRI System Matches section.

When used with gas furnaces, a dual-fuel control, a control system with dual-fuel capabilities (LZP-2 or LZP-4), or a thermostat with dual-fuel capabilities must be used (order separately).

To convert HSPF from Region IV to Region V - Divide by 1.15.

AHRI SYSTEM MATCHES

Model No.	Cooling Cap.	SEER	EER	Heat Capacity		Heat COP		HSPF (IV)	Coil or Air Handler	Furnace	AHRI Ref. Number
				High	Low	High	Low				
XP20-036-230A	33,600	19.00	12.50	33,000	21,600	2.96	2.32	9.60	C33-48B	EL296UH045XV36B	8550464
XP20-036-230A	33,600	19.00	12.50	33,000	21,600	2.96	2.32	9.60	C33-48B	EL296UH070XV36B	8550465
XP20-036-230A	33,800	19.00	13.00	32,800	21,400	3.02	2.38	9.60	C33-48B	SL280UH090V36B	8550463
XP20-036-230A	33,600	19.00	12.50	33,000	21,600	2.96	2.32	9.60	C33-48B	SLP98UH070XV36B	8550466
XP20-036-230A	33,800	19.00	12.50	32,800	21,400	3.00	2.36	9.60	C33-48C	EL296UH090XV36C	8550467
XP20-036-230A	33,800	19.00	12.50	32,800	21,400	3.00	2.36	9.60	C33-48C	SLP98UH090XV36C	8550468
XP20-036-230A	34,400	20.00	13.50	33,200	21,800	3.24	2.36	10.00	CBX32MV-036		8550469
XP20-036-230A	34,400	20.00	13.50	33,000	21,800	3.24	2.38	10.00	CBX40UHV-036		8550470
XP20-036-230A	34,800	19.50	13.00	32,600	21,200	3.34	2.32	9.00	CH33-43C	EL296UH090XV36C	8550471
XP20-036-230A	34,800	19.50	13.00	32,600	21,200	3.34	2.32	9.00	CH33-43C	SLP98UH090XV36C	8550472
XP20-036-230A	33,800	19.00	12.50	33,000	22,000	3.26	2.38	9.00	CH33-44/48B	EL296UH045XV36B	8550474
XP20-036-230A	33,800	19.00	12.50	32,800	22,000	3.26	2.38	9.00	CH33-44/48B	EL296UH070XV36B	8550475
XP20-036-230A	34,000	19.00	13.00	32,600	21,600	3.32	2.40	9.60	CH33-44/48B	SL280UH090V36B	8550473
XP20-036-230A	33,800	19.00	12.50	32,800	22,000	3.26	2.38	9.00	CH33-44/48B	SLP98UH070XV36B	8550476
XP20-036-230A	34,400	19.00	12.50	33,600	22,400	2.82	2.14	8.50	CH35-48B	EL296UH045XV36B	8550478
XP20-036-230A	34,400	19.00	12.50	33,600	22,400	2.82	2.14	8.50	CH35-48B	EL296UH070XV36B	8550479
XP20-036-230A	34,600	19.00	13.00	33,400	22,200	2.88	2.18	9.00	CH35-48B	SL280UH090V36B	8550477
XP20-036-230A	34,400	19.00	12.50	33,600	22,400	2.82	2.16	8.50	CH35-48B	SLP98UH070XV36B	8550480
XP20-036-230A	34,000	19.00	13.00	32,400	21,600	3.38	2.36	9.00	CH35-48C	EL296UH090XV36C	8550481
XP20-036-230A	35,000	20.00	13.00	33,200	21,200	3.54	2.46	10.00	CR33-50/60	SLP98DF090XV36C	8550482
XP20-036-230A	34,000	20.00	12.50	33,000	22,000	3.16	2.36	9.60	CX34-38A	SL280UH070V36A	8550483
XP20-036-230A	34,000	20.00	12.50	33,000	22,000	3.16	2.36	9.60	CX34-38A	SL280UH070XV36A	8550484
XP20-036-230A	34,000	20.00	12.50	33,000	22,000	3.16	2.36	9.00	CX34-38B	EL296UH045XV36B	8550486
XP20-036-230A	34,000	20.00	12.50	33,000	22,000	3.18	2.36	9.60	CX34-38B	EL296UH070XV36B	8550487
XP20-036-230A	34,200	20.00	13.00	32,600	21,800	3.22	2.42	9.60	CX34-38B	SL280UH090V36B	8550485
XP20-036-230A	34,000	20.00	12.50	33,000	22,000	3.18	2.36	9.60	CX34-38B	SLP98UH070XV36B	8550488
XP20-036-230A	34,200	20.00	12.50	32,600	21,400	3.14	2.18	9.00	CX34-43B	EL296UH045XV36B	8550490
XP20-036-230A	34,400	20.00	12.50	32,600	21,400	3.14	2.18	9.00	CX34-43B	EL296UH070XV36B	8550491
XP20-036-230A	34,400	20.00	13.00	32,400	21,200	3.22	2.22	9.00	CX34-43B	SL280UH090V36B	8550489
XP20-036-230A	34,400	20.00	12.50	32,600	21,400	3.14	2.18	9.00	CX34-43B	SLP98UH070XV36B	8550492
XP20-036-230A	34,400	20.00	13.00	32,400	21,200	3.20	2.22	9.00	CX34-43C	EL296UH090XV36C	8550493
XP20-036-230A	34,400	20.00	13.00	32,400	21,200	3.20	2.22	9.00	CX34-43C	SLP98UH090XV36C	8550494
XP20-036-230A	33,600	19.00	12.50	33,000	21,600	2.96	2.32	9.60	CX34-44/48B	EL296UH045XV36B	8550496
XP20-036-230A	33,600	19.00	12.50	33,000	21,600	2.96	2.32	9.60	CX34-44/48B	EL296UH070XV36B	8550497
XP20-036-230A	33,600	19.00	12.50	33,000	21,600	2.96	2.32	9.60	CX34-44/48B	SLP98UH070XV36B	8550498
XP20-036-230A	33,800	19.00	13.00	32,800	21,400	3.02	2.38	9.60	CX34-44/48B	SLP98UH090XV36B	8550495
XP20-036-230A	33,800	19.00	12.50	32,800	21,400	3.00	2.36	9.60	CX34-44/48C	EL296UH090XV36C	8550499
XP20-036-230A	33,800	19.00	12.50	32,800	21,400	3.00	2.36	9.60	CX34-44/48C	SLP98UH090XV36C	8550500
XP20-048-230A	47,000	18.50	12.00	43,500	27,800	3.34	2.38	9.00	C33-49	EL296UH090XV48C	8601378
XP20-048-230A	47,000	18.50	12.00	43,500	27,800	3.36	2.40	9.00	C33-49	EL296UH090XV60C	8601379
XP20-048-230A	47,000	18.50	12.00	43,500	27,800	3.36	2.40	9.00	C33-49	EL296UH110XV48C	8601380
XP20-048-230A	47,000	18.50	12.00	43,500	27,800	3.34	2.38	9.00	C33-49	EL296UH110XV60C	8601381
XP20-048-230A	47,000	18.50	12.50	43,500	27,800	3.40	2.42	9.00	C33-49	SL280UH090V60C	8601382
XP20-048-230A	47,000	18.50	12.50	43,500	27,800	3.40	2.42	9.00	C33-49	SL280UH090XV60C	8601383
XP20-048-230A	47,000	18.00	12.00	43,500	27,800	3.36	2.40	9.00	C33-49	SL280UH110V60C	8601384
XP20-048-230A	47,000	18.00	12.00	43,500	27,800	3.36	2.40	9.00	C33-49	SL280UH110XV60C	8601385
XP20-048-230A	47,000	18.50	12.00	43,500	27,800	3.34	2.38	9.00	C33-49	SLP98UH090XV48C	8601386

NOTES:

Ratings are AHRI certified to AHRI Standard 210/240 (with 25 ft. of connecting refrigerant lines);

- Cooling Ratings - 95°F outdoor air temperature and 80 °F db/67° F wb entering indoor coil air.
- High Temperature Heating Ratings - 47° F db/43° F wb outdoor air temperature and 70 °F db entering indoor coil air.
- Low Temperature Heating Ratings - 17 °F db/15° F wb outdoor air temperature and 70 °F db entering indoor coil air.

All ratings include the use of a blower time delay relay (TDR). All Lennox variable-speed Furnaces and Air Handlers have time delay capabilities. Other Furnaces and Air Handlers may require an optional time delay relay (**58M81**) for field installation. See furnace or air handler specifications to determine if relay is needed.

Also see TXV Substitution Table at the beginning of the Heat Pump AHRI System Matches section.

When used with gas furnaces, a dual-fuel control, a control system with dual-fuel capabilities (LZP-2 or LZP-4), or a thermostat with dual-fuel capabilities must be used (order separately).

To convert HSPF from Region IV to Region V - Divide by 1.15.

AHRI SYSTEM MATCHES

Model No.	Cooling Cap.	SEER	EER	Heat Capacity		Heat COP		HSPF (IV)	Coil or Air Handler	Furnace	AHRI Ref. Number
				High	Low	High	Low				
XP20-048-230A	47,000	18.50	12.00	43,500	27,800	3.36	2.40	9.00	C33-49	SLP98UH090XV60C	8601387
XP20-048-230A	47,000	18.50	12.00	43,500	27,800	3.34	2.38	9.00	C33-49	SLP98UH110XV60C	8601388
XP20-048-230A	48,000	18.50	12.00	43,500	27,000	3.50	2.42	9.00	C33-62C	EL296UH090XV48C	8547500
XP20-048-230A	48,000	18.00	12.00	43,500	27,000	3.52	2.44	9.00	C33-62C	EL296UH090XV60C	8547501
XP20-048-230A	48,000	18.50	12.00	43,500	27,000	3.50	2.44	9.00	C33-62C	EL296UH110XV48C	8547502
XP20-048-230A	48,000	18.00	12.00	43,500	27,000	3.50	2.44	9.00	C33-62C	EL296UH110XV60C	8547503
XP20-048-230A	48,000	18.50	12.50	43,500	27,000	3.54	2.46	9.00	C33-62C	SL280UH090V60C	8547504
XP20-048-230A	48,000	18.50	12.50	43,500	27,000	3.54	2.46	9.00	C33-62C	SL280UH090XV60C	8547505
XP20-048-230A	48,000	18.00	12.00	43,500	27,000	3.50	2.44	9.00	C33-62C	SL280UH110V60C	8547506
XP20-048-230A	48,000	18.00	12.00	43,500	27,000	3.50	2.44	9.00	C33-62C	SL280UH110XV60C	8547507
XP20-048-230A	48,000	18.50	12.00	43,500	27,000	3.50	2.42	9.00	C33-62C	SLP98UH090XV48C	8547508
XP20-048-230A	48,000	18.00	12.00	43,500	27,000	3.52	2.44	9.00	C33-62C	SLP98UH090XV60C	8547509
XP20-048-230A	48,000	18.00	12.00	43,500	27,000	3.50	2.44	9.00	C33-62C	SLP98UH110XV60C	8547510
XP20-048-230A	47,500	18.00	12.00	44,000	28,200	3.56	2.58	9.50	C33-62D	EL296UH1135XV60D	8601354
XP20-048-230A	47,500	18.50	12.00	44,000	28,200	3.58	2.58	9.60	C33-62D	SL280UH135V60D	8601355
XP20-048-230A	47,500	18.00	12.00	44,000	28,200	3.56	2.58	9.50	C33-62D	SLP98UH135XV60D	8601356
XP20-048-230A	48,000	19.50	12.50	45,000	29,000	3.42	2.48	9.60	CBX32MV-048		8547522
XP20-048-230A	48,000	19.00	12.50	44,500	27,200	3.22	2.28	9.60	CBX32MV-060		8601357
XP20-048-230A	48,000	19.00	12.50	45,000	28,800	3.46	2.50	9.60	CBX40UHV-048		8547477
XP20-048-230A	48,000	19.00	12.50	44,500	27,200	3.22	2.28	9.60	CBX40UHV-060		8601358
XP20-048-230A	48,000	19.00	12.00	44,500	28,400	3.30	2.32	9.00	CH33-49	EL296UH090XV48C	8547478
XP20-048-230A	48,000	19.00	12.00	44,500	28,400	3.32	2.32	9.00	CH33-49	EL296UH090XV60C	8547479
XP20-048-230A	48,000	19.00	12.00	44,500	28,400	3.32	2.32	9.00	CH33-49	EL296UH110XV48C	8547480
XP20-048-230A	48,000	19.00	12.00	44,500	28,400	3.32	2.32	9.00	CH33-49	EL296UH110XV60C	8547481
XP20-048-230A	48,000	19.00	12.00	44,000	28,200	3.32	2.34	9.00	CH33-49	SL280UH090V60C	8547482
XP20-048-230A	48,000	19.00	12.00	44,000	28,200	3.32	2.34	9.00	CH33-49	SL280UH090XV60C	8547483
XP20-048-230A	48,000	18.50	12.00	44,500	28,400	3.32	2.32	9.00	CH33-49	SL280UH110V60C	8547484
XP20-048-230A	48,000	18.50	12.00	44,500	28,400	3.32	2.32	9.00	CH33-49	SL280UH110XV60C	8547485
XP20-048-230A	48,000	19.00	12.00	44,500	28,400	3.30	2.32	9.00	CH33-49	SLP98UH090XV48C	8547486
XP20-048-230A	48,000	19.00	12.00	44,500	28,400	3.32	2.32	9.00	CH33-49	SLP98UH090XV60C	8547487
XP20-048-230A	48,000	19.00	12.00	44,500	28,400	3.32	2.32	9.00	CH33-49	SLP98UH110XV60C	8547488
XP20-048-230A	47,500	19.00	12.00	44,500	28,400	3.30	2.30	9.00	CH33-50/60C	EL296UH090XV48C	8547489
XP20-048-230A	47,500	18.50	12.00	44,500	28,400	3.30	2.32	9.00	CH33-50/60C	EL296UH090XV60C	8547490
XP20-048-230A	47,500	19.00	12.00	44,500	28,400	3.30	2.32	9.00	CH33-50/60C	EL296UH110XV48C	8547491
XP20-048-230A	47,500	18.50	12.00	44,500	28,400	3.30	2.32	9.00	CH33-50/60C	EL296UH110XV60C	8547492
XP20-048-230A	48,000	18.50	12.00	44,000	28,400	3.30	2.34	9.00	CH33-50/60C	SL280UH090V60C	8547493
XP20-048-230A	48,000	18.50	12.00	44,000	28,400	3.30	2.34	9.00	CH33-50/60C	SL280UH090XV60C	8547494
XP20-048-230A	47,500	18.50	12.00	44,500	28,400	3.32	2.32	9.00	CH33-50/60C	SL280UH110V60C	8547495
XP20-048-230A	47,500	18.50	12.00	44,500	28,400	3.32	2.32	9.00	CH33-50/60C	SL280UH110XV60C	8547496
XP20-048-230A	47,500	19.00	12.00	44,500	28,400	3.30	2.32	9.00	CH33-50/60C	SLP98UH090XV48C	8547497
XP20-048-230A	47,500	18.50	12.00	44,500	28,400	3.30	2.32	9.00	CH33-50/60C	SLP98UH090XV60C	8547498
XP20-048-230A	47,500	18.50	12.00	44,500	28,400	3.30	2.32	9.00	CH33-50/60C	SLP98UH110XV60C	8547499
XP20-048-230A	48,000	18.00	12.00	43,500	27,000	3.46	2.36	9.60	CH33-62D	EL296UH1135XV60D	8601359
XP20-048-230A	48,000	18.00	12.00	43,500	26,800	3.48	2.36	9.60	CH33-62D	SL280UH135V60D	8601360
XP20-048-230A	48,000	18.00	12.00	43,500	27,000	3.46	2.36	9.60	CH33-62D	SLP98UH135XV60D	8601361
XP20-048-230A	48,000	18.00	12.00	44,000	29,200	3.18	2.34	9.00	CH35-60D	EL296UH1135XV60D	8601362
XP20-048-230A	48,000	18.50	12.00	44,000	29,200	3.20	2.36	9.00	CH35-60D	SL280UH135V60D	8601363

NOTES:

Ratings are AHRI certified to AHRI Standard 210/240 (with 25 ft. of connecting refrigerant lines);

- Cooling Ratings - 95°F outdoor air temperature and 80 °F db/67° F wb entering indoor coil air.
- High Temperature Heating Ratings - 47° F db/43° F wb outdoor air temperature and 70 °F db entering indoor coil air.
- Low Temperature Heating Ratings - 17 °F db/15° F wb outdoor air temperature and 70 °F db entering indoor coil air.

All ratings include the use of a blower time delay relay (TDR). All Lennox variable-speed Furnaces and Air Handlers have time delay capabilities. Other Furnaces and Air Handlers may require an optional time delay relay (**58M81**) for field installation. See furnace or air handler specifications to determine if relay is needed.

Also see TXV Substitution Table at the beginning of the Heat Pump AHRI System Matches section.

When used with gas furnaces, a dual-fuel control, a control system with dual-fuel capabilities (LZP-2 or LZP-4), or a thermostat with dual-fuel capabilities must be used (order separately).

To convert HSPF from Region IV to Region V - Divide by 1.15.

AHRI SYSTEM MATCHES

Model No.	Cooling Cap.	SEER	EER	Heat Capacity		Heat COP		HSPF (IV)	Coil or Air Handler	Furnace	AHRI Ref. Number
				High	Low	High	Low				
XP20-048-230A	48,000	18.00	12.00	44,000	29,200	3.18	2.34	9.00	CH35-60D	SLP98UH135XV60D	8601364
XP20-048-230A	47,000	17.50	12.00	45,500	29,600	3.12	2.28	8.50	CR33-50/60	EL296DF090XV60C	8601365
XP20-048-230A	47,000	18.00	12.00	45,500	29,600	3.12	2.28	8.50	CR33-50/60	EL296DF110XV60C	8601366
XP20-048-230A	47,000	18.00	12.00	45,500	29,200	3.18	2.32	8.50	CR33-50/60	SL280DF090V60C	8601367
XP20-048-230A	47,000	18.00	12.00	45,500	29,200	3.18	2.32	8.50	CR33-50/60	SL280DF110V60C	8601368
XP20-048-230A	47,000	18.00	12.00	45,500	29,600	3.10	2.28	8.50	CR33-50/60	SLP98DF090XV48C	8601369
XP20-048-230A	47,000	17.50	12.00	45,500	29,600	3.12	2.28	8.50	CR33-50/60	SLP98DF090XV60C	8601370
XP20-048-230A	47,000	18.00	12.00	45,500	29,600	3.12	2.28	8.50	CR33-50/60	SLP98DF110XV60C	8601371
XP20-048-230A	47,000	18.50	12.00	43,500	27,800	3.34	2.38	9.00	CX34-49	EL296UH090XV48C	8601389
XP20-048-230A	47,000	18.50	12.00	43,500	27,800	3.36	2.40	9.00	CX34-49	EL296UH090XV60C	8601390
XP20-048-230A	47,000	18.50	12.00	43,500	27,800	3.36	2.40	9.00	CX34-49	EL296UH110XV48C	8601391
XP20-048-230A	47,000	18.50	12.00	43,500	27,800	3.34	2.38	9.00	CX34-49	EL296UH110XV60C	8601392
XP20-048-230A	47,000	18.50	12.50	43,500	27,800	3.40	2.42	9.00	CX34-49	SL280UH090V60C	8601393
XP20-048-230A	47,000	18.50	12.50	43,500	27,800	3.40	2.42	9.00	CX34-49	SL280UH090XV60C	8601394
XP20-048-230A	47,000	18.00	12.00	43,500	27,800	3.36	2.40	9.00	CX34-49	SL280UH110V60C	8601395
XP20-048-230A	47,000	18.00	12.00	43,500	27,800	3.36	2.40	9.00	CX34-49	SL280UH110XV60C	8601396
XP20-048-230A	47,000	18.50	12.00	43,500	27,800	3.34	2.38	9.00	CX34-49	SLP98UH090XV48C	8601397
XP20-048-230A	47,000	18.50	12.00	43,500	27,800	3.36	2.40	9.00	CX34-49	SLP98UH090XV60C	8601398
XP20-048-230A	47,000	18.50	12.00	43,500	27,800	3.34	2.38	9.00	CX34-49	SLP98UH110XV60C	8601399
XP20-048-230A	48,000	18.50	12.00	43,500	27,000	3.50	2.42	9.00	CX34-62C	EL296UH090XV48C	8547511
XP20-048-230A	48,000	18.00	12.00	43,500	27,000	3.52	2.44	9.00	CX34-62C	EL296UH090XV60C	8547512
XP20-048-230A	48,000	18.50	12.00	43,500	27,000	3.50	2.44	9.00	CX34-62C	EL296UH110XV48C	8547513
XP20-048-230A	48,000	18.00	12.00	43,500	27,000	3.50	2.44	9.00	CX34-62C	EL296UH110XV60C	8547514
XP20-048-230A	48,000	18.50	12.50	43,500	27,000	3.54	2.46	9.00	CX34-62C	SL280UH090V60C	8547515
XP20-048-230A	48,000	18.50	12.50	43,500	27,000	3.54	2.46	9.00	CX34-62C	SL280UH090XV60C	8547516
XP20-048-230A	48,000	18.00	12.00	43,500	27,000	3.50	2.44	9.00	CX34-62C	SL280UH110V60C	8547517
XP20-048-230A	48,000	18.00	12.00	43,500	27,000	3.50	2.44	9.00	CX34-62C	SL280UH110XV60C	8547518
XP20-048-230A	48,000	18.50	12.00	43,500	27,000	3.50	2.42	9.00	CX34-62C	SLP98UH090XV48C	8547519
XP20-048-230A	48,000	18.00	12.00	43,500	27,000	3.52	2.44	9.00	CX34-62C	SLP98UH090XV60C	8547520
XP20-048-230A	48,000	18.00	12.00	43,500	27,000	3.50	2.44	9.00	CX34-62C	SLP98UH110XV60C	8547521
XP20-048-230A	47,500	18.00	12.00	44,000	28,200	3.56	2.58	9.50	CX34-62D	EL296UH135XV60D	8601372
XP20-048-230A	47,500	18.50	12.00	44,000	28,200	3.58	2.58	9.60	CX34-62D	SL280UH135V60D	8601373
XP20-048-230A	47,500	18.00	12.00	44,000	28,200	3.56	2.58	9.50	CX34-62D	SLP98UH135XV60D	8601374
XP20-060-230A	56,500	18.00	11.50	54,000	35,400	3.16	2.36	9.00	C33-49C	EL296UH090XV60C	8561539
XP20-060-230A	56,500	18.00	11.50	54,000	35,200	3.18	2.36	9.00	C33-49C	EL296UH110XV60C	8561540
XP20-060-230A	57,000	18.50	12.00	54,000	35,000	3.22	2.40	9.00	C33-49C	SL280UH090V60C	8561541
XP20-060-230A	57,000	18.50	12.00	54,000	35,000	3.22	2.40	9.00	C33-49C	SL280UH090XV60C	8561543
XP20-060-230A	56,500	18.00	11.50	54,000	35,200	3.20	2.38	9.00	C33-49C	SL280UH110V60C	8561542
XP20-060-230A	56,500	18.00	11.50	54,000	35,200	3.20	2.38	9.00	C33-49C	SL280UH110XV60C	8561544
XP20-060-230A	56,500	18.00	11.50	54,000	35,400	3.16	2.36	9.00	C33-49C	SLP98UH090XV60C	8561545
XP20-060-230A	56,500	18.00	11.50	54,000	35,200	3.18	2.36	9.00	C33-49C	SLP98UH110XV60C	8561546
XP20-060-230A	57,000	18.50	12.00	54,500	35,200	3.04	2.24	9.60	C33-62C	EL296UH090XV60C	8561547
XP20-060-230A	57,500	18.50	12.00	54,500	35,000	3.04	2.24	9.60	C33-62C	EL296UH110XV60C	8561548
XP20-060-230A	57,500	18.50	12.00	54,000	34,800	3.06	2.28	9.60	C33-62C	SL280UH090V60C	8561549
XP20-060-230A	57,500	18.50	12.00	54,000	34,800	3.06	2.28	9.60	C33-62C	SL280UH090XV60C	8561551
XP20-060-230A	57,500	18.50	12.00	54,000	35,000	3.04	2.26	9.60	C33-62C	SL280UH110V60C	8561550
XP20-060-230A	57,500	18.50	12.00	54,000	35,000	3.04	2.26	9.60	C33-62C	SL280UH110XV60C	8561552

NOTES:

Ratings are AHRI certified to AHRI Standard 210/240 (with 25 ft. of connecting refrigerant lines);

- Cooling Ratings - 95°F outdoor air temperature and 80 °F db/67° F wb entering indoor coil air.
- High Temperature Heating Ratings - 47° F db/43° F wb outdoor air temperature and 70 °F db entering indoor coil air.
- Low Temperature Heating Ratings - 17 °F db/15° F wb outdoor air temperature and 70 °F db entering indoor coil air.

All ratings include the use of a blower time delay relay (TDR). All Lennox variable-speed Furnaces and Air Handlers have time delay capabilities. Other Furnaces and Air Handlers may require an optional time delay relay (**58M81**) for field installation. See furnace or air handler specifications to determine if relay is needed.

Also see TXV Substitution Table at the beginning of the Heat Pump AHRI System Matches section.

When used with gas furnaces, a dual-fuel control, a control system with dual-fuel capabilities (LZP-2 or LZP-4), or a thermostat with dual-fuel capabilities must be used (order separately).

To convert HSPF from Region IV to Region V - Divide by 1.15.

AHRI SYSTEM MATCHES

Model No.	Cooling Cap.	SEER	EER	Heat Capacity		Heat COP		HSPF (IV)	Coil or Air Handler	Furnace	AHRI Ref. Number
				High	Low	High	Low				
XP20-060-230A	57,000	18.50	12.00	54,500	35,200	3.04	2.24	9.60	C33-62C	SLP98UH090XV60C	8561553
XP20-060-230A	57,500	18.50	12.00	54,500	35,000	3.04	2.24	9.60	C33-62C	SLP98UH110XV60C	8561554
XP20-060-230A	58,000	18.50	12.50	53,000	36,000	3.18	2.46	9.60	C33-62D	EL296UH135XV60D	8561555
XP20-060-230A	58,000	19.00	12.50	53,000	35,800	3.18	2.46	9.60	C33-62D	SL280UH135V60D	8561556
XP20-060-230A	58,000	18.50	12.50	53,000	36,000	3.18	2.46	9.60	C33-62D	SLP98UH135XV60D	8561557
XP20-060-230A	56,500	19.00	12.50	54,500	36,400	3.28	2.40	9.60	CBX32MV-060		8561558
XP20-060-230A	57,000	18.50	12.50	54,500	36,200	3.32	2.40	9.60	CBX40UHV-060		8561559
XP20-060-230A	56,500	18.50	11.50	55,000	36,400	2.94	2.20	9.00	CH33-49	EL296UH090XV60C	8561560
XP20-060-230A	56,500	18.50	11.50	55,000	36,400	2.96	2.22	9.00	CH33-49	EL296UH110XV60C	8561561
XP20-060-230A	57,000	19.00	12.00	54,500	36,000	2.98	2.24	9.00	CH33-49	SL280UH090V60C	8561562
XP20-060-230A	57,000	19.00	12.00	54,500	36,000	2.98	2.24	9.00	CH33-49	SL280UH090XV60C	8561564
XP20-060-230A	57,000	18.50	12.00	54,500	36,200	2.94	2.22	9.00	CH33-49	SL280UH110V60C	8561563
XP20-060-230A	57,000	18.50	12.00	54,500	36,200	2.94	2.22	9.00	CH33-49	SL280UH110XV60C	8561565
XP20-060-230A	56,500	18.50	11.50	55,000	36,400	2.94	2.20	9.00	CH33-49	SLP98UH090XV60C	8561566
XP20-060-230A	56,500	18.50	11.50	55,000	36,400	2.96	2.22	9.00	CH33-49	SLP98UH110XV60C	8561567
XP20-060-230A	56,000	18.50	11.50	55,000	36,400	2.94	2.20	9.00	CH33-50/60C	EL296UH090XV60C	8561568
XP20-060-230A	56,500	18.50	11.50	55,000	36,400	2.94	2.22	9.00	CH33-50/60C	EL296UH110XV60C	8561569
XP20-060-230A	56,500	18.50	12.00	54,500	36,000	2.96	2.24	9.00	CH33-50/60C	SL280UH090V60C	8561570
XP20-060-230A	56,500	18.50	12.00	54,500	36,000	2.96	2.24	9.00	CH33-50/60C	SL280UH090XV60C	8561572
XP20-060-230A	56,500	18.50	12.00	54,500	36,200	2.94	2.22	9.00	CH33-50/60C	SL280UH110V60C	8561571
XP20-060-230A	56,500	18.50	12.00	54,500	36,200	2.94	2.22	9.00	CH33-50/60C	SL280UH110XV60C	8561573
XP20-060-230A	56,000	18.50	11.50	55,000	36,400	2.94	2.20	9.00	CH33-50/60C	SLP98UH090XV60C	8561574
XP20-060-230A	56,500	18.50	11.50	55,000	36,400	2.94	2.22	9.00	CH33-50/60C	SLP98UH110XV60C	8561575
XP20-060-230A	56,500	18.00	12.00	55,000	36,200	3.12	2.38	9.60	CH33-62D	EL296UH135XV60D	8561576
XP20-060-230A	56,500	18.00	12.00	55,000	36,200	3.14	2.40	9.00	CH33-62D	SL280UH135V60D	8561577
XP20-060-230A	56,500	18.00	12.00	55,000	36,200	3.12	2.38	9.00	CH33-62D	SLP98UH135XV60D	8561578
XP20-060-230A	56,500	18.50	12.00	55,000	36,600	2.88	2.10	9.00	CH35-60D	EL296UH135XV60D	8593312
XP20-060-230A	57,000	18.50	12.00	55,000	36,400	2.90	2.10	9.00	CH35-60D	SL280UH135V60D	8593313
XP20-060-230A	56,500	18.50	12.00	55,000	36,600	2.88	2.10	9.00	CH35-60D	SLP98UH135XV60D	8593311
XP20-060-230A	56,000	18.50	12.00	54,000	36,400	3.16	2.36	9.60	CR33-60	EL296DF090XV60C	8561579
XP20-060-230A	56,000	18.50	12.00	54,000	36,400	3.16	2.36	9.60	CR33-60	EL296DF110XV60C	8561580
XP20-060-230A	56,500	19.00	12.00	53,500	36,000	3.20	2.40	9.60	CR33-60	SL280DF090V60C	8561581
XP20-060-230A	56,500	19.00	12.50	53,500	36,000	3.22	2.40	9.60	CR33-60	SL280DF110V60C	8561582
XP20-060-230A	56,000	18.50	12.00	54,000	36,400	3.16	2.36	9.60	CR33-60	SLP98DF090XV60C	8561583
XP20-060-230A	56,000	18.50	12.00	54,000	36,400	3.16	2.36	9.60	CR33-60	SLP98DF110XV60C	8561584
XP20-060-230A	56,500	18.00	11.50	54,000	35,400	3.16	2.36	9.00	CX34-49C	EL296UH090XV60C	8561585
XP20-060-230A	56,500	18.00	11.50	54,000	35,200	3.18	2.36	9.00	CX34-49C	EL296UH110XV60C	8561586
XP20-060-230A	57,000	18.50	12.00	54,000	35,000	3.22	2.40	9.00	CX34-49C	SL280UH090V60C	8561587
XP20-060-230A	57,000	18.50	12.00	54,000	35,000	3.22	2.40	9.00	CX34-49C	SL280UH090XV60C	8561589
XP20-060-230A	56,500	18.00	11.50	54,000	35,200	3.20	2.38	9.00	CX34-49C	SL280UH110V60C	8561588
XP20-060-230A	56,500	18.00	11.50	54,000	35,200	3.20	2.38	9.00	CX34-49C	SL280UH110XV60C	8561590
XP20-060-230A	56,500	18.00	11.50	54,000	35,400	3.16	2.36	9.00	CX34-49C	SLP98UH090XV60C	8561591
XP20-060-230A	56,500	18.00	11.50	54,000	35,200	3.18	2.36	9.00	CX34-49C	SLP98UH110XV60C	8561592
XP20-060-230A	57,000	18.50	12.00	54,500	35,200	3.04	2.24	9.60	CX34-62C	EL296UH090XV60C	8561593
XP20-060-230A	57,500	18.50	12.00	54,500	35,000	3.04	2.24	9.60	CX34-62C	EL296UH110XV60C	8561594
XP20-060-230A	57,500	18.50	12.00	54,000	34,800	3.06	2.28	9.60	CX34-62C	SL280UH090V60C	8561595
XP20-060-230A	57,500	18.50	12.00	54,000	34,800	3.06	2.28	9.60	CX34-62C	SL280UH090XV60C	8561597

NOTES:

Ratings are AHRI certified to AHRI Standard 210/240 (with 25 ft. of connecting refrigerant lines);

- Cooling Ratings - 95°F outdoor air temperature and 80 °F db/67° F wb entering indoor coil air.
- High Temperature Heating Ratings - 47° F db/43° F wb outdoor air temperature and 70 °F db entering indoor coil air.
- Low Temperature Heating Ratings - 17 °F db/15° F wb outdoor air temperature and 70 °F db entering indoor coil air.

All ratings include the use of a blower time delay relay (TDR). All Lennox variable-speed Furnaces and Air Handlers have time delay capabilities. Other Furnaces and Air Handlers may require an optional time delay relay (**58M81**) for field installation. See furnace or air handler specifications to determine if relay is needed.

Also see TXV Substitution Table at the beginning of the Heat Pump AHRI System Matches section.

When used with gas furnaces, a dual-fuel control, a control system with dual-fuel capabilities (LZP-2 or LZP-4), or a thermostat with dual-fuel capabilities must be used (order separately).

To convert HSPF from Region IV to Region V - Divide by 1.15.

AHRI SYSTEM MATCHES

Model No.	Cooling Cap.	SEER	EER	Heat Capacity		Heat COP		HSPF (IV)	Coil or Air Handler	Furnace	AHRI Ref. Number
				High	Low	High	Low				
XP20-060-230A	57,500	18.50	12.00	54,000	35,000	3.04	2.26	9.60	CX34-62C	SL280UH110V60C	8561596
XP20-060-230A	57,500	18.50	12.00	54,000	35,000	3.04	2.26	9.60	CX34-62C	SL280UH110XV60C	8561598
XP20-060-230A	57,000	18.50	12.00	54,500	35,200	3.04	2.24	9.60	CX34-62C	SLP98UH090XV60C	8561599
XP20-060-230A	57,500	18.50	12.00	54,500	35,000	3.04	2.24	9.60	CX34-62C	SLP98UH110XV60C	8561600
XP20-060-230A	58,000	18.50	12.50	53,000	36,000	3.18	2.46	9.60	CX34-62D	EL296UH135XV60D	8561601
XP20-060-230A	58,000	19.00	12.50	53,000	35,800	3.18	2.46	9.60	CX34-62D	SL280UH135V60D	8561602
XP20-060-230A	58,000	18.50	12.50	53,000	36,000	3.18	2.46	9.60	CX34-62D	SLP98UH135XV60D	8561603

NOTES:

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All ratings include the use of a blower time delay relay (TDR). All Lennox variable-speed Furnaces and Air Handlers have time delay capabilities. Other Furnaces and Air Handlers may require an optional time delay relay (**58M81**) for field installation. See furnace or air handler specifications to determine if relay is needed.

Also see TXV Substitution Table at the beginning of the Heat Pump AHRI System Matches section.

When used with gas furnaces, a dual-fuel control, a control system with dual-fuel capabilities (LZP-2 or LZP-4), or a thermostat with dual-fuel capabilities must be used (order separately).

To convert HSPF from Region IV to Region V - Divide by 1.15.

REVISIONS

Sections	Description of Change
AHRI System Matches	Updated.



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NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

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