

# HEAT PUMPS

## EL16KP1

ELITE® SERIES

Single-Stage | Quantum™ Coil | **R-454B** | 60Hz

RESIDENTIAL  
PRODUCT SPECIFICATIONS (EHB)



1.5 to 5 Tons

SEER2 up to 17.0

HSPF up to 8.2

Cooling Capacity | 18,000 to 58,000 Btuh

Heating Capacity | 17,400 to 60,000 Btuh

**ELITE®**  
SERIES



2025 COMPLIANT  
REFRIGERANT



## MODEL NUMBER IDENTIFICATION

**EL 16 K P 1 - 036 - 230 A 01**

**Product Tier**  
EL = Elite® Series

**Nominal SEER2**  
16 = 16.0 to 17.0

**Refrigerant Type**  
K = R-454B

**Unit Type**  
P = Heat Pump Outdoor Unit

**Cooling Stages**  
1 = Single-Stage Compressor

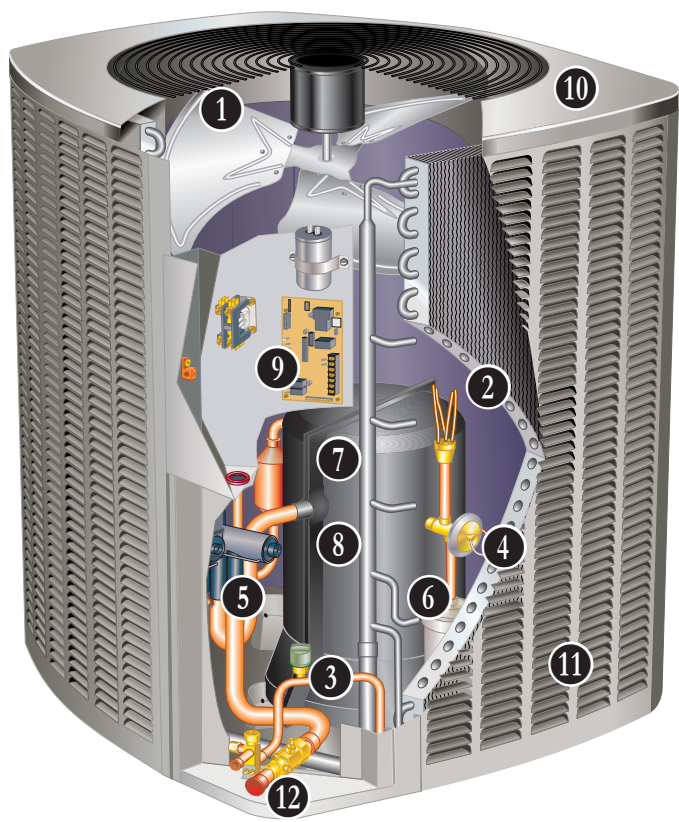
**Revision Number**

**Ratings Revision Letter**

**Voltage**  
230 = 208/230V-1ph-60Hz

**Nominal Cooling Capacity**  
018 = 1.5 tons  
024 = 2 tons  
030 = 2.5 tons  
036 = 3 tons  
042 = 3.5 tons  
048 = 4 tons  
060 = 5 tons

FEATURE HIGHLIGHTS



- 1. Outdoor Coil Fan
- 2. Quantum™ Coil
- 3. High Pressure Switch
- 4. Expansion Valve - Outdoor Unit
- 5. Four-Way Reversing Valve
- 6. High-Capacity Liquid Line Drier
- 7. Scroll Compressor
- 8. Compressor Sound Dampening System
- 9. Defrost Control
- 10. Heavy Gauge Steel Cabinet
- 11. Louvered Coil Protection
- 12. Refrigerant Line Connections

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## APPROVALS AND WARRANTY

### APPROVALS

- AHRI Certified to AHRI Standard 210-240-2023
- For AHRI Certified system match-ups and expanded ratings, visit [www.LennoxPros.com](http://www.LennoxPros.com)
- ENERGY STAR® certified
- Sound rated to AHRI Standard 270-2008 test conditions
- Tested in the Lennox Research Laboratory environmental test room
- Rated According to U.S. Department of Energy (DOE) test procedures
- Units and components UL, NEC, and CEC bonded for grounding to meet safety standards for servicing
- ETL certified (U.S. and Canada)
- ISO 9001 Registered Manufacturing Quality System

### WARRANTY

- Compressor:
  - Limited ten years in residential installations
  - Limited five years in non-residential installations
- All other covered components:
  - Limited five years in residential installations
  - Limited one year in non-residential installations

**NOTE** - Refer to Lennox® Basic Limited Warranty at [www.Lennox.com](http://www.Lennox.com) for additional details.

## FEATURES

### APPLICATIONS

- 1.5 through 5 tons
- Sound levels as low as 71 dBA
- Single phase power supply
- Vertical air discharge
- Applicable to indoor air handlers or gas furnaces with indoor add-on coils
- Shipped completely factory assembled, piped and wired
- Factory test operated

**NOTE** - 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** - Installer must set outdoor unit, connect refrigerant lines and make electrical connections to complete job

### REFRIGERATION SYSTEM

#### R-454B Refrigerant

- Low GWP (Global Warming Potential)
- Zero ODP (Ozone Depletion Potential)
- Low Toxicity/Lower Flammability - A2L
- Unit is factory pre-charged

**NOTE** - Total system refrigerant charge is dependent on outdoor unit size, indoor unit size and refrigerant line length.

**NOTE** - Refer to the unit-mounted charging sticker to determine correct amount of charge required.

#### 1 Outdoor Coil Fan

- Direct drive fan
- EL16XP1-036-042-048-060 models have a variable-speed outdoor fan motor for quiet operation
- Vertical air discharge
- Ball bearings
- Inherently protected
- Totally enclosed fan motor
- Fan guard constructed of corrosion-resistant PVC (polyvinyl chloride) coated steel

#### 2 Quantum™ Coil

- Lennox designed and fabricated coil
- Enhanced aluminum alloy tube/enhanced fin coil
- Ripple-edged aluminum fins
- Aluminum tube construction
- Lanced fins for maximum fin surface exposure
- Fin collars grip tubing for maximum contact area
- Flared shoulder tubing connections
- Factory tested under high pressure
- Entire coil is accessible for cleaning

## FEATURES

### **REFRIGERATION SYSTEM (continued)**

- 3 High Pressure Switch**
- Protects the system from high pressure conditions that can be a result of fan failure or a blocked/dirty coil
  - Automatic reset

#### **Low Pressure Switch**

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

**4 Expansion Valve - Outdoor Unit**

- Designed and sized specifically for heat pump systems
- Sensing bulb is located on the line between reversing valve and the coil
- Sensing bulb senses suction temperature during heating cycle
- Factory installed and piped

**5 Four-Way Reversing Valve**

- Rapid changeover of refrigerant flow direction from cooling to heating and vice versa
- Operates on pressure differential between outdoor unit and indoor unit of the system

**6 High-Capacity Liquid Line Drier**

- Factory installed in the liquid line
- Drier traps moisture or dirt that could contaminate the system
- 100% molecular-sieve, bead type, bi-flow drier

### **Optional Accessories**

#### **Check/Expansion Valve Kits**

- Field installed on indoor units (if required)
- See TXV Usage table
- Chatleff style fitting

#### **Freezestat**

- Installs on or near the vapor line of the indoor coil or on the suction line
- Senses suction line temperature
- Cycles compressor off when suction line temperature falls below its setpoint
- Opens at 29°F and closes at 58°F
- Installs on or near the discharge line of the evaporator or on the suction line

#### **Refrigerant Line Kits**

- Refrigerant lines are shipped refrigeration clean
- Lines are cleaned, dried, pressurized and sealed at factory
- Suction line fully insulated
- Lines are stubbed at both ends

### **INDOOR REFRIGERANT DETECTION SYSTEM (RDS)**

- Complies with UL 60335-2-40 approved standard
- Required for all systems using R-454B refrigerant
- Factory or field installed on all indoor units
- Consists of a RDS refrigerant detection sensor and a mitigation control in the indoor unit
- Ensures safe operation for systems equipped with R-454B refrigerant
- Indoor sensor will detect any R-454B refrigerant
- If R-454B refrigerant is detected, the refrigerant detection system will stop compressor operation and operate the blower to reduce concentrations in the conditioned space
- Once safe levels are reached the HVAC system will resume normal operation
- Refer to indoor unit Product Specifications documents for additional details

## FEATURES

### COMPRESSOR

#### 7 Single-Stage Scroll Compressor

- High volumetric efficiency
- Uniform suction flow
- Constant discharge flow
- High efficiency
- Quiet operation
- Low gas pulses during compression reduces operational sound levels
- Compressor motor is internally protected from excessive current and temperature
- Muffler in discharge line reduces operating sound levels
- Compressor is installed in the unit on resilient rubber mounts for vibration free operation



#### Scroll Compressor Operation

- Two involute spiral scrolls matched together 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

#### Compressor Crankcase Heater (Factory Installed on -036-042-048-060)

- Protects against refrigerant migration that can occur during low ambient operation

#### 8 Compressor Sound Dampening System

- Polyethylene compressor cover
- 2-inch thick batt of fiberglass insulation
- Hook and loop fastening tape on all open edges

### Optional Accessories

#### Compressor Crankcase Heater (Optional for -018-024-030 models)

- Protects against refrigerant migration that can occur during low ambient operation

### CONTROLS

#### 9 Defrost Control

- Control furnished as standard
- Enables a demand defrost cycle whenever system heating performance falls below optimum levels
- Sensing element on coil determines when defrost cycle is required and when to terminate cycle
- Anti-short cycle (5 minutes) incorporated into the board
- Diagnostic LEDs furnished as an aid in troubleshooting
- Conveniently located in control box

### Optional Accessories

#### Compressor Low Ambient Cut-Off

- Non-adjustable switch (low ambient cut-out)
- Prevents compressor operation when outdoor temperature is below 35°F

#### Compressor Hard Start Kit

- Single-phase units are equipped with a PSC compressor motor
- This type of motor normally does not need a potential relay and start capacitor
- In conditions such as low voltage, kit may be required to increase the compressor starting torque

#### Indoor Blower Off Delay Relay

- Delays the indoor blower-off time during the cooling cycle. See AHRI System Matches for usage

#### Low Ambient Kit

- Heat pump in the cooling mode will operate satisfactorily down to 45°F outdoor air temperature without any additional controls
- Allows unit to operate properly down to 30°F in the cooling mode

**NOTE** - Crankcase heater (optional for -018-024-030 models) and Freezestat should be installed on compressors equipped with a low ambient kit.

**NOTE** - A compressor lock-out thermostat should be added to terminate compressor operation below recommended operating conditions.

## FEATURES

### CONTROLS (continued)

#### Optional Accessories (continued)

##### E30 Smart Wi-Fi Thermostat

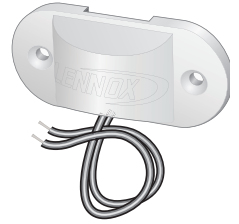
- Wi-Fi enabled, electronic 7-day, universal, multi-stage, programmable, touchscreen thermostat
- 3 Heat/2 Cool
- Auto-changeover
- Controls dehumidification during cooling mode and humidification during heating mode
- Offers enhanced capabilities including humidification / dehumidification / dewpoint measurement and control, Humiditrol® control, and equipment maintenance reminders
- Easy to read 7 in. color touchscreen (measured diagonally)
- LCD display with backlight shows the current and set temperature, time, inside relative humidity, system status (operating mode and schedules) and outside temperature (optional outdoor sensor required)
- Smooth Setback Recovery starts system early to achieve setpoint at start of program period
- Compressor short-cycle protection (5 minutes)
- Up to four separate schedules are available plus Schedule IQ™
- One-Touch Away Mode - A quick and easy way to set the cooling and heating setpoints while away
- Smart Away™ - Uses geo-fencing technology to determine when the homeowner is within a predetermined distance from the home to operate the system when leaving, away and arriving
- Wi-Fi remote monitoring and adjustment through a home wireless network for desktop PCs, laptops and apps for smartphones or tablets
- Smart home automation compatible with Apple HomeKit™, Amazon Alexa®, Google Assistant and IFTTT
- Service Dashboard features online real-time monitoring of installed Lennox® thermostats
- High Definition Color Display with Subbase, Smart Hub Controller, wallplate (for retrofit installations) furnished for easy installation
- See the Lennox® E30 Smart Wi-Fi Thermostat Product Specifications document for more information



##### Remote Outdoor Temperature Sensor

- Used with the Lennox® E30 Smart Thermostat
- When installed outdoors, sensor allows thermostat to display outdoor temperature
- Sensor is auto-detected when connected to thermostat

**NOTE** - Sensor is required for high and low balance points option.



##### Thermostat

- Thermostat is not furnished with unit
- See Lennox Price Book or [Lennox Pros](#) for selection

##### Mild Weather Kit

- Heat pump units operate satisfactorily in the heating mode at outdoor air temperatures up to 75°F
- Allows heating operation above 75°F

##### Outdoor Thermostat Kit

- Outdoor thermostat locks out some of the electric heating elements on indoor units where two-stage control is applicable
- Outdoor thermostat maintains the heating load on the low power input as long as possible before allowing the full power load to come on the line
- Thermostat kit and Mounting Box must be ordered separately



## FEATURES

### 10 CABINET

- Heavy gauge steel construction
- Pre-painted powder paint cabinet finish
- Louvered heavy gauge steel panels surround unit on all four sides
- Control box is conveniently located with all controls factory wired
- Corner patch plate allows access to compressor components
- Drainage holes are provided in base section for moisture removal
- High density polyethylene unit support feet raise the unit off of the mounting surface

#### Zinc-Coated Steel Unit Base

- Durable zinc-coated base section resists rust and corrosion

### 11 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

- ### 12
- Sweat connection vapor and liquid lines
  - 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

#### Braze-Free/Press Fitting Flexibility

- Units can accommodate braze-free or press fittings for installation versatility

## 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										
Size			018	024	030	036				
Nominal Tonnage			1.5	2	2.5	3				
Sound Rating Number			dBA	71	71	71	72			
Connections (Sweat)			Liquid line (OD) - in.	3/8	3/8	3/8	3/8			
			Vapor line (OD) - in.	3/4	3/4	3/4	7/8			
Refrigerant			<sup>1</sup> R-454B charge furnished				4 lbs. 7 oz.	5 lbs. 3 oz.	6 lbs. 7 oz.	7 lbs. 2 oz.
Indoor Unit Expansion Valve (TXV)							26Z70	26Z70	26Z70	26Z70
Outdoor Coil			Net face area - ft. <sup>2</sup>	Outer coil	24.5	24.5	18.7	22.0		
				Inner coil	- - -	- - -	18.0	21.5		
			Tube diameter - in.		5/16	5/16	5/16	5/16		
			Rows		1	1	2	2		
			Fins - in.		22	22	22	22		
			HP		1/8	1/8	1/6	1/5		
			Diameter - in.		22	22	22	26		
			Blades		2	2	2	3		
Outdoor Fan			Cfm		2840	2840	2670	3590		
			Rpm		825	825	825	825		
			Watts		127	127	162	200		
			Shipping Data - lbs.			220	220	220	250	
ELECTRICAL DATA										
Line voltage data (Volts-Phase-Hz)				208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60			
<sup>2</sup> Maximum overcurrent protection (MOCP) amps				15	20	25	35			
<sup>3</sup> Minimum circuit ampacity (MCA)				9.7	13.6	16.6	22.2			
Compressor				Rated load amps	7.2	10.3	12.5	16.7		
				Locked rotor amps	47	60.2	67	93.5		
Fan Motor				Full load amps	0.7	0.7	1.0	1.4		
OPTIONAL CONTROLS - ORDER SEPARATELY										
E30 Smart Wi-Fi Thermostat				20A65	•	•	•	•		
Remote Outdoor Temperature Sensor				X2658	•	•	•	•		
OPTIONAL ACCESSORIES - ORDER SEPARATELY										
Compressor Crankcase Heater				27U17	•	•	•	Factory		
Compressor Hard Start Kit				Copeland	10J42		•			
				LG	88M91	•		•		
Compressor Low Ambient Cut-Off				45F08	•	•	•	•		
Freezestat				3/8 in.	93G35	•	•	•	•	
Indoor Blower Off Delay Relay				58M81	•	•	•	•		
<sup>4</sup> Low Ambient Kit				54M89	•	•	•	•		
Mild Weather Kit				11B97	•	•	•	•		
Outdoor Thermostat Kit				Thermostat	10Z23	•	•	•	•	
				Mounting Box	31461	•	•	•	•	
Refrigerant Line Sets				3/8 x 3/4   3/8   20 ft.	89J56	•	•	•		
				3/8 x 3/4   3/8   30 ft.	89J57					
Liquid x Suction OD   Insulation Thickness   Length				3/8 x 3/4   3/8   40 ft.	89J58					
				3/8 x 3/4   3/8   50 ft.	89J59					
				3/8 x 7/8   3/8   30 ft.	89J60					
				3/8 x 7/8   3/8   40 ft.	89J61					
				3/8 x 7/8   3/8   50 ft.	89J62					
<sup>5</sup> Snow Guard				35-1/2 x 31 in.	X8780	•	•	•		
				39-1/2 x 35-5/8 in.	Y1033				•	

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

<sup>1</sup> 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.

<sup>2</sup> HACR type breaker or fuse.

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

<sup>4</sup> Crankcase Heater and Freezestat are recommended with Low Ambient Kit.

<sup>5</sup> Adds 11-1/2 inches (292 mm) to unit height.



SPECIFICATIONS						
Size			042	048	060	
Nominal Tonnage			3.5	4	5	
Sound Rating Number			dBA	72	73	73
Connections (Sweat)	Liquid line (OD) - in.		3/8	3/8	3/8	
	Suction line (OD) - in.		7/8	7/8	1-1/8	
Refrigerant			<sup>1</sup> R-454B charge furnished	8 lbs. 5 oz.	8 lbs. 6 oz.	9 lbs. 6 oz.
Indoor Unit Expansion Valve (TXV)			26Z71	26Z71	26Z72	
Outdoor Coil	Net face area - ft. <sup>2</sup>		Outer coil	24.93	24.93	29.09
			Inner coil	24.13	24.13	28.16
			Tube diameter - in.	5/16	5/16	5/16
			Rows	2	2	2
			Fins - in.	22	22	22
Outdoor Fan			HP	1/3	1/3	1/3
			Diameter - in.	26	26	26
			Blades	4	4	4
			Cfm	4110	4110	4060
			Rpm	825	825	825
			Watts	213	213	224
Shipping Data - lbs.			285	285	300	
ELECTRICAL DATA						
Line voltage data (Volts-Phase-Hz)			208/230-1-60	208/230-1-60	208/230-1-60	
<sup>2</sup> Maximum overcurrent protection (MOCP) amps			35	50	50	
<sup>3</sup> Minimum circuit ampacity (MCA)			22.3	30.6	32.2	
Compressor	Rated load amps		15.8	22.4	23.7	
	Locked rotor amps		96	126	157	
Fan Motor	Full load amps		2.6	2.6	2.6	
OPTIONAL CONTROLS - ORDER SEPARATELY						
E30 Smart Wi-Fi Thermostat			20A65	•	•	•
Remote Outdoor Temperature Sensor			X2658	•	•	•
OPTIONAL ACCESSORIES - ORDER SEPARATELY						
Compressor Hard Start Kit	Copeland	10J42		•	•	
	LG	88M91	•			
Compressor Low Ambient Cut-Off			45F08	•	•	•
Freezestat			3/8 in. 93G35	•	•	•
Indoor Blower Off Delay Relay			58M81	•	•	•
<sup>4</sup> Low Ambient Kit			54M89	•	•	•
Mild Weather Kit			11B97	•	•	•
Outdoor Thermostat Kit	Thermostat	10Z23	•	•	•	
	Mounting Box	31461	•	•	•	
Refrigerant Line Sets	3/8 x 3/4   3/8   30 ft.		89J60			
	3/8 x 3/4   3/8   40 ft.		89J61	•	•	
	Liquid x Suction OD   Insulation Thickness		3/8 x 3/4   3/8   50 ft.	89J62		
	Length		3/8 x 7/8   3/8   50 ft.	73P91		•
<sup>5</sup> Snow Guard			39-1/2 x 35-5/8 in. Y1033	•	•	•

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

<sup>1</sup> 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.

<sup>2</sup> HACR type breaker or fuse.

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

<sup>4</sup> Crankcase Heater and Freezestat are recommended with Low Ambient Kit.

<sup>5</sup> Adds 11-1/2 inches (292 mm) to unit height.

## EXPANDED SOUND DATA

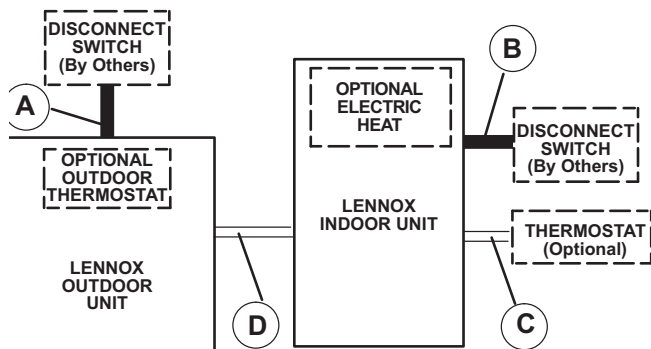
Size	Octave Band Sound Power Levels dBA, re 10 <sup>-12</sup> Watts Center Frequency - HZ							<sup>1</sup> Sound Rating Number (dBA)	<sup>2</sup> Estimated Sound Pressure Level at Distance From Unit (dBA at distance in ft.)				
	125	250	500	1000	2000	4000	8000		3	5	10	15	50
018	56	58	64.5	62.5	61.5	55	49	71	64	59	53	50	39
024	55.5	58	63	63.5	59	55	51	71	64	59	53	50	39
030	60	60	65	67.5	64	57	49.5	71	64	59	53	50	39
036	62	61	66	66.5	63	57	48	72	65	60	54	51	40
042	55	60	66	66.5	63	57	50.5	72	65	60	54	51	40
048	56	61.5	67.5	68.5	63	56	50	73	66	61	55	52	41
060	57	64	68	67	65	60	56	73	66	61	55	52	41

NOTE - the octave sound power data does not include tonal correction.

<sup>1</sup> Tested according to AHRI Standard 270-2008 test conditions.

<sup>2</sup> Estimated sound pressure level at distance based on AHRI Standard 275-2010 method for equipment located on the ground, roof, or on side of building wall with no adjacent reflective surface within 9.8 feet. Sound pressure levels will increase based on changes to assumptions. For other applications, refer to AHRI Standard 275.

## FIELD WIRING



A - Two Wire Power (see Electrical Data)

B - Two or Three Wire Power (size to heater capacity)

C - Twelve Wire Low Voltage 18 ga. minimum  
Fourteen Wire Low Voltage with Optional Outdoor  
Thermostat

D - Eight Wire Low Voltage 18 ga. minimum  
Ten Wire Low Voltage with Optional Outdoor Thermostat

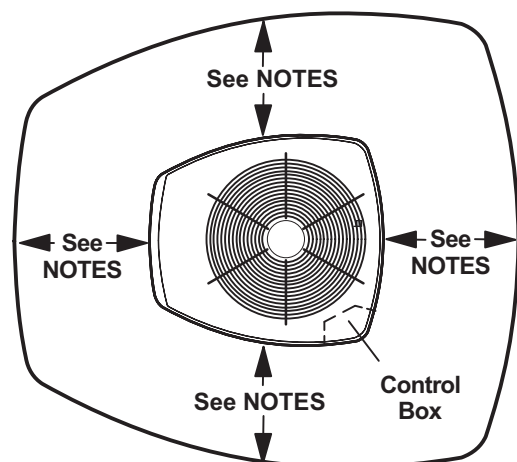
**NOTE** - Field Wiring Not Furnished

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

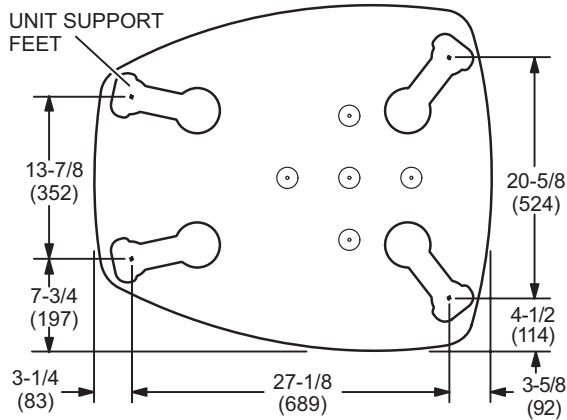
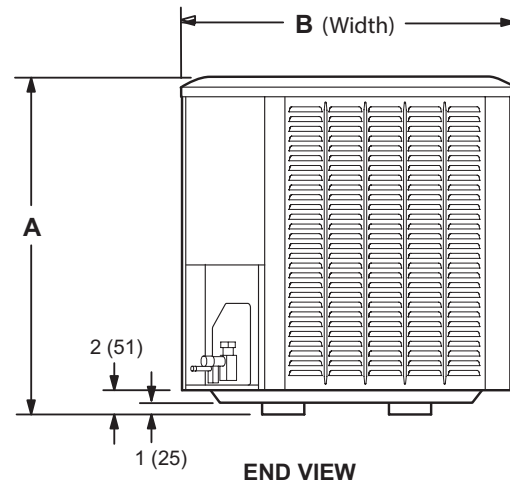
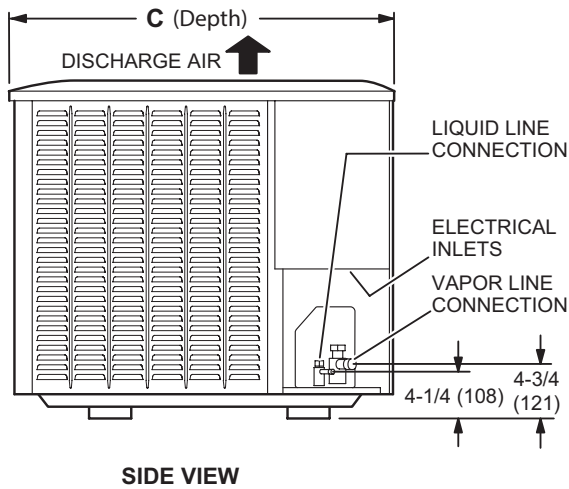
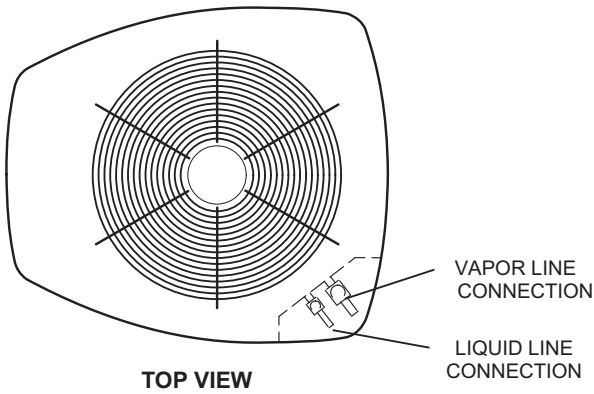
## INSTALLATION CLEARANCES

### NOTES:

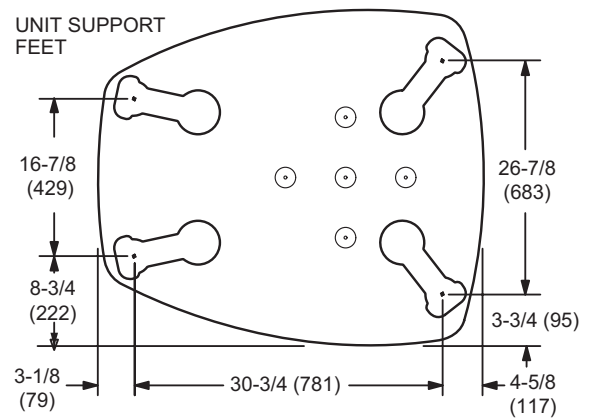
- Service Clearance – 30 in. (762 mm) on one of the sides adjacent to the Control Box.
- One of other three sides must be 36 in. (914 mm).
- One of the two remaining sides may be 12 in. (305 mm).
- The remaining side may be 6 in. (152 mm).
- 48 in. (1219 mm) clearance required on top of unit
- 24 in. (610 mm) required between two units



## DIMENSIONS



**EL16KP1-018 TO -030 BASE SECTION  
(Medium Base)**



**EL16KP1-036 TO -060 BASE SECTION  
(Large Base)**

Model	A (Height)		B (Width)		C (Depth)	
	in.	mm	in.	mm	in.	mm
<b>018</b>	45	1143	30-1/2	775	35	889
<b>024</b>	45	1143	30-1/2	775	35	889
<b>030</b>	35	889	30-1/2	775	35	889
<b>036</b>	35	889	35-1/2	902	39-1/2	1003
<b>042</b>	39	991	35-1/2	902	39-1/2	1003
<b>048</b>	39	991	35-1/2	902	39-1/2	1003
<b>060</b>	45	1143	35-1/2	902	39-1/2	1003

## TXV USAGE

All Lennox coils and air handlers are shipped with a factory installed TXV. In most cases, no substitution is needed.

If a different size TXV is required, it will be listed in the "TXV SUBSTITUTION" table by size. The correct TXV must be ordered separately and field installed.

Size	Order Number
018	<b>26Z70</b>
024	<b>26Z70</b>
030	<b>26Z70</b>
036	<b>26Z70</b>
042	<b>26Z71</b>
048	<b>26Z71</b>
060	<b>26Z72</b>

## AHRI STANDARD 210-240-2023

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.

## TXV SUBSTITUTION - R-454B

A general guide for replacing the factory installed R-454B TXV if the indoor unit (coil/air handler) is larger or smaller than the outdoor unit.

Outdoor Unit		Indoor Unit		Indoor TXV Furnished	Indoor TXV Replacement
Size	Tons	Size	Tons		
018	1.5	42	3.5	<b>26Z71</b>	<b>26Z70</b>
018	1.5	48	4	<b>26Z71</b>	<b>26Z70</b>
018	1.5	49	4	<b>26Z71</b>	<b>26Z70</b>
018	1.5	50/60	4/5	<b>26Z71</b>	<b>26Z70</b>
018	1.5	51/61	4/5	<b>26Z71</b>	<b>26Z70</b>
018	1.5	60	5	<b>26Z72</b>	<b>26Z70</b>
024	2	42	3.5	<b>26Z71</b>	<b>26Z70</b>
024	2	48	4	<b>26Z71</b>	<b>26Z70</b>
024	2	49	4	<b>26Z71</b>	<b>26Z70</b>
024	2	50/60	4/5	<b>26Z71</b>	<b>26Z70</b>
024	2	51/61	4/5	<b>26Z71</b>	<b>26Z70</b>
024	2	60	5	<b>26Z72</b>	<b>26Z70</b>
030	2.5	42	3.5	<b>26Z71</b>	<b>26Z70</b>
030	2.5	48	4	<b>26Z71</b>	<b>26Z70</b>
030	2.5	49	4	<b>26Z71</b>	<b>26Z70</b>
030	2.5	50/60	4/5	<b>26Z71</b>	<b>26Z70</b>
030	2.5	51/61	4/5	<b>26Z71</b>	<b>26Z70</b>
030	2.5	60	5	<b>26Z72</b>	<b>26Z70</b>
036	3	42	3.5	<b>26Z71</b>	<b>26Z70</b>
036	3	48	4	<b>26Z71</b>	<b>26Z70</b>
036	3	49	4	<b>26Z71</b>	<b>26Z70</b>
036	3	50/60	4/5	<b>26Z71</b>	<b>26Z70</b>
036	3	51/61	4/5	<b>26Z71</b>	<b>26Z70</b>
036	3	60	5	<b>26Z72</b>	<b>26Z70</b>
042	3.5	24	2	<b>26Z70</b>	<b>26Z71</b>
042	3.5	30	2.5	<b>26Z70</b>	<b>26Z71</b>
042	3.5	30/36	2.5/3	<b>26Z70</b>	<b>26Z71</b>
042	3.5	36	3	<b>26Z70</b>	<b>26Z71</b>
042	3.5	60	5	<b>26Z72</b>	<b>26Z71</b>
048	4	30/36	2.5/3	<b>26Z70</b>	<b>26Z71</b>
048	4	36	3	<b>26Z70</b>	<b>26Z71</b>
048	4	60	5	<b>26Z72</b>	<b>26Z71</b>
060	5	50/60	4/5	<b>26Z71</b>	<b>26Z72</b>
060	5	51/61	4/5	<b>26Z71</b>	<b>26Z72</b>

### TXV Ranges:

**26Z70** - 1.5 to 3 ton systems - Use on 3 ton (036) and lower systems.

**26Z71** - 3.5-4 ton systems - Use on 4 ton (048) and down to 3.5 ton (042) systems.

**26Z72** - 5 ton systems - Use on 5 ton (060) systems only.





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