

# 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

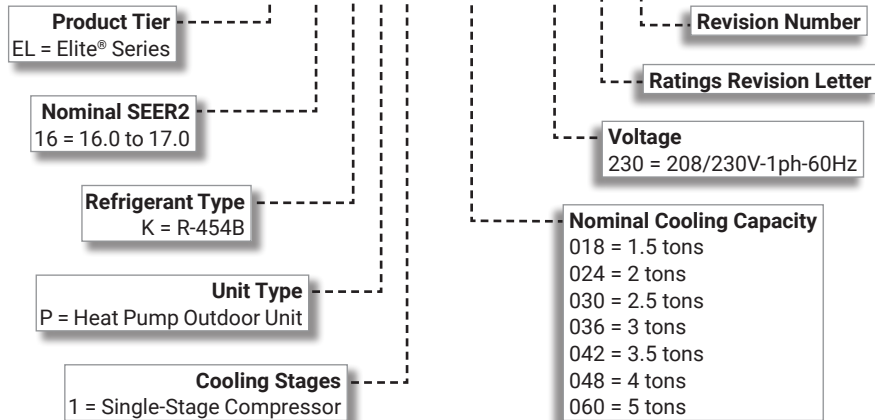


2025 COMPLIANT  
REFRIGERANT

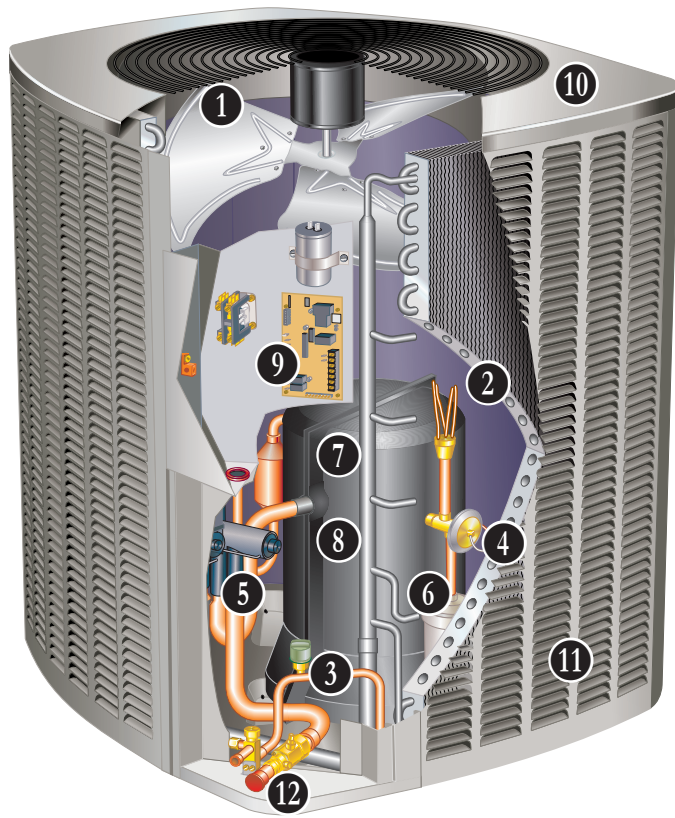


## MODEL NUMBER IDENTIFICATION

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



## 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**

- Protects the compressor from low pressure conditions such as low refrigerant charge, or low/no indoor airflow
- Shuts off the outdoor unit if suction pressure falls below setting
- 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**

- Protects the system from ice buildup on the indoor coil due to conditions such as low/no airflow, or low refrigerant charge
- Cycles compressor off when suction line temperature falls below freezestat setpoint
- Opens at 29°F and closes at 58°F
- Installs on or near the discharge line of the indoor coil 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

### **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

#### **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

## FEATURES

### 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

#### 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.

### Optional Accessories (continued)

#### Thermostat

- Thermostat is not furnished with unit
- See Page 6

#### 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

### 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

## CONTROL OPTIONS

### E40 Smart Wi-Fi Thermostat

- 3 Htg.-2 Clg.
- 7-day, universal, programmable, touchscreen thermostat
- Controls dehumidification during cooling mode and humidification during heating mode
- Smooth Setback Recovery and compressor short-cycle protection
- One-Touch Away Mode, Smart Away™ (geo-fencing), equipment maintenance reminders and scheduling
- Smart home automation compatible with Amazon Alexa®, Google Assistant, Control4®, Building36® and Matter
- Lennox® Home App controls temperature, fan operation, set programs/schedules and set Away mode on a smartphone
- Lennox Smart Tech App allows the installer to commission the system and remotely turn the system on and off during setup or service call on a smartphone



### M40 Smart Wi-Fi Thermostat

- 3 Htg.-2 Clg.
- 7-day, universal, programmable, touchscreen thermostat
- Smooth Setback Recovery and compressor short-cycle protection
- One-Touch Away Mode, Smart Away™ (geo-fencing), equipment maintenance reminders and scheduling
- Smart home automation compatible with Apple HomeKit™, Amazon Alexa®, Google Assistant and Matter
- Lennox® Home App controls temperature, fan operation, set programs/schedules and set Away mode on a smartphone
- Lennox Smart Tech App allows the installer to commission the system and remotely turn the system on and off during setup or service call on a smartphone



### L40 Smart Wi-Fi Thermostat

- 2 Htg.-1 Clg.
- 7-day, universal, programmable, touchscreen thermostat
- Provides temperature control for gas, electric and heat pumps for single-stage heating or cooling systems (including dual-fuel operation)
- One-Touch Away Mode, Smart Away™ (geo-fencing), equipment maintenance reminders and scheduling
- Smooth Setback Recovery and compressor short-cycle protection
- Smart home automation compatible with Amazon Alexa®, Google Assistant, Control4®, Building36® and Matter
- Lennox® Home App controls temperature, fan operation, set programs/schedules and set Away mode on a smartphone
- Lennox Smart Tech App allows the installer to commission the system and remotely turn the system on and off during setup or service call on a smartphone



**NOTE** - Please refer to the individual Product Specifications for these products for full information.

**NOTE** - Two-stage heating for Dual-Fuel Heat Pump applications only

## CONTROLS - ORDERING

E40 Smart Wi-Fi Thermostat	3-3/8 x 5-3/8 x 1	<b>30L26</b>
Lennox® Smart Room Sensor	4 x 5-1/2 x 3	<b>22V25</b>
Lennox® Smart Air Quality Monitor	3-5/8 x 4-3/8 x 1-3/8	<b>21P02</b>
Lennox® Wireless Extender	4 x 5-1/2 x 2-1/2	<b>22V26</b>
L40 Smart Wi-Fi Thermostat	2-13/16 x 2-13/16 x 1/4	<b>27V51</b>
M40 Smart Wi-Fi Thermostat	3-5/16 x 4-5/16 x 7/8	<b>30L27</b>
<b>Thermostat Accessories</b>		
<sup>1</sup> Discharge Air Temperature Sensor (For E40)		<b>88K38</b>
<sup>2</sup> Remote Outdoor Air Temperature Sensor (For dual-fuel and Humiditrol®)		<b>X2658</b>

<sup>1</sup> Optional for service diagnostics (E40).

<sup>2</sup> Remote Outdoor Air Temperature Sensor is used with conventional (non-Lennox® Communicating) outdoor units (sensor is furnished with Lennox® Communicating outdoor units). Allows the thermostat to display outdoor temperature. Required in dual-fuel and Humiditrol® applications.

## SPECIFICATIONS

Size		<b>018</b>	<b>024</b>	<b>030</b>	<b>036</b>	
<b>Nominal Tonnage</b>		1.5	2	2.5	3	
<b>Sound Rating Number</b>	dBA	71	71	71	72	
<b>Connections (Sweat)</b>	Liquid line (OD) - in.	3/8	3/8	3/8	3/8	
	Vapor line (OD) - in.	3/4	3/4	3/4	7/8	
<b>Refrigerant (15 ft. Line Set)</b>	<sup>1</sup> R-454B charge furnished	4 lbs. 7 oz.	5 lbs. 3 oz.	6 lbs. 7 oz.	7 lbs. 2 oz.	
<b>Refrigerant (30 ft. Line Set)</b>	<sup>1</sup> R-454B charge furnished	5 lbs. 0 oz.	5 lbs. 12 oz.	7 lbs. 0 oz.	7 lbs. 11 oz.	
<b>Indoor Unit Expansion Valve (TXV)</b>		<b>26Z70</b>	<b>26Z70</b>	<b>26Z70</b>	<b>26Z70</b>	
<b>Outdoor Coil</b>	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
<b>Outdoor Fan</b>	HP	1/8	1/8	1/6	1/5	
	Diameter - in.	22	22	22	26	
	Blades	2	2	2	3	
	Cfm	2840	2840	2670	3590	
	Rpm	825	825	825	825	
	Watts	127	127	162	200	
<b>Shipping Data - lbs.</b>		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	
<b>Compressor</b>	Rated load amps	7.2	10.3	12.5	16.7
	Locked rotor amps	47	60.2	67	93.5
<b>Fan Motor</b>	Full load amps	0.7	0.7	1.0	1.4

## OPTIONAL ACCESSORIES - ORDER SEPARATELY

<b>Compressor Crankcase Heater</b>	<b>27U17</b>	•	•	•	Factory
<b>Compressor Hard Start Kit</b>	Copeland <b>10J42</b>		•		•
	LG <b>88M91</b>	•		•	
<b>Compressor Low Ambient Cut-Off</b>	<b>45F08</b>	•	•	•	•
<b>Freezestat</b>	3/8 in. <b>93G35</b>	•	•	•	•
<sup>4</sup> <b>Low Ambient Kit</b>	<b>54M89</b>	•	•	•	•
<b>Mild Weather Kit</b>	<b>11B97</b>	•	•	•	•
<b>Outdoor Thermostat Kit</b>	<b>10Z23</b>	•	•	•	•
<b>Refrigerant Line Sets</b>	3/8 x 3/4   3/8   20 ft. <b>89J56</b>				
	3/8 x 3/4   3/8   30 ft. <b>89J57</b>	•	•	•	
	Liquid x Suction OD   3/8 x 3/4   3/8   50 ft. <b>89J59</b>				
	Insulation Thickness   Length	3/8 x 7/8   3/8   30 ft. <b>89J60</b>			
	3/8 x 7/8   3/8   50 ft. <b>89J62</b>				•
<sup>5</sup> <b>Snow Guard</b>	35-1/2 x 31 in. <b>X8780</b>	•	•	•	
	39-1/2 x 35-5/8 in. <b>Y1033</b>				•

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

<sup>1</sup> Refrigerant charge sufficient for the line set length listed in parenthesis. For longer line set requirements see the Installation Instructions or unit Charging Label 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		<b>042</b>	<b>048</b>	<b>060</b>
<b>Nominal Tonnage</b>		3.5	4	5
<b>Sound Rating Number</b>	dBA	72	73	73
<b>Connections (Sweat)</b>	Liquid line (OD) - in.	3/8	3/8	3/8
	Suction line (OD) - in.	7/8	7/8	1-1/8
<b>Refrigerant (15 ft. Line Set)</b>	<sup>1</sup> R-454B charge furnished	8 lbs. 5 oz.	8 lbs. 6 oz.	9 lbs. 6 oz.
<b>Refrigerant (30 ft. Line Set)</b>	<sup>1</sup> R-454B charge furnished	8 lbs. 14 oz.	8 lbs. 15 oz.	9 lbs. 15 oz.
<b>Indoor Unit Expansion Valve (TXV)</b>		<b>26Z71</b>	<b>26Z71</b>	<b>26Z72</b>
<b>Outdoor Coil</b>	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
<b>Outdoor Fan</b>		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
			285	285
<b>Shipping Data - lbs.</b>		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
<b>Compressor</b>	Rated load amps	15.8	22.4	23.7
	Locked rotor amps	96	126	157
<b>Fan Motor</b>	Full load amps	2.6	2.6	2.6

## OPTIONAL ACCESSORIES - ORDER SEPARATELY

<b>Compressor Hard Start Kit</b>	Copeland	<b>10J42</b>	•	•
	LG	<b>88M91</b>	•	•
<b>Compressor Low Ambient Cut-Off</b>		<b>45F08</b>	•	•
<b>Freezestat</b>	3/8 in.	<b>93G35</b>	•	•
<sup>4</sup> <b>Low Ambient Kit</b>		<b>54M89</b>	•	•
<b>Mild Weather Kit</b>		<b>11B97</b>	•	•
<b>Outdoor Thermostat Kit</b>		<b>10Z23</b>	•	•
<b>Refrigerant Line Sets</b>	3/8 x 7/8   3/8   30 ft.	<b>89J60</b>	•	•
	3/8 x 7/8   3/8   50 ft.	<b>89J62</b>	•	•
Liquid x Suction OD   Insulation Thickness   Length	3/8 x 1-1/8   3/8   50 ft.	<b>73P91</b>	•	•
<sup>5</sup> <b>Snow Guard</b>	39-1/2 x 35-5/8 in.	<b>Y1033</b>	•	•

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

<sup>1</sup> Refrigerant charge sufficient for the line set length listed in parenthesis. For longer line set requirements see the Installation Instructions or unit Charging Label 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

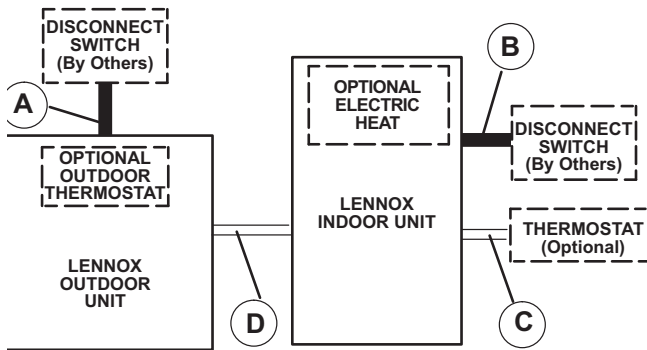
Size	Octave Band Sound Power Levels dBA, re 10 <sup>-12</sup> Watts Center Frequency - HZ							<sup>1</sup> Sound Rating Number (dBA)	<sup>2</sup> Estimated Sound Pressure Level at Distance From Unit (dBA at distance in ft.)				
	125	250	500	1000	2000	4000	8000		3	5	10	15	50
018	56	58	64.5	62.5	61.5	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

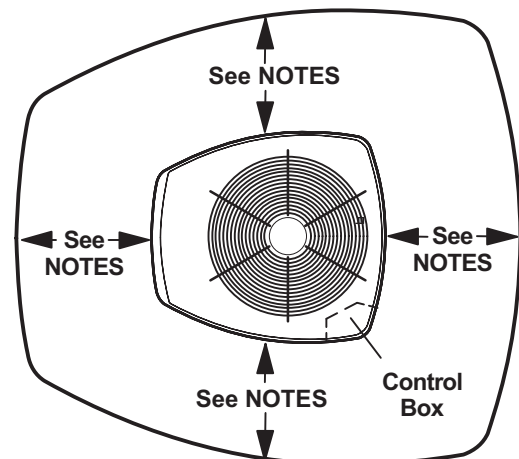
**NOTE** - Field Wiring Not Furnished

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

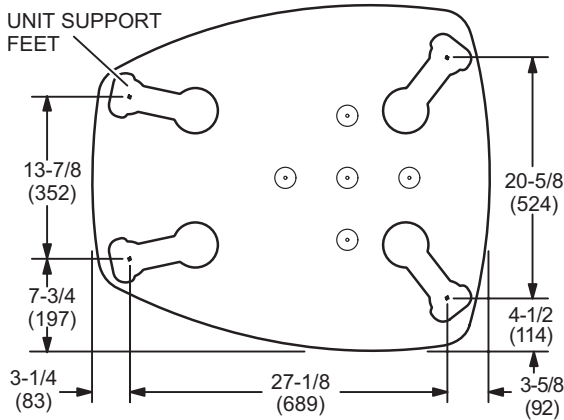
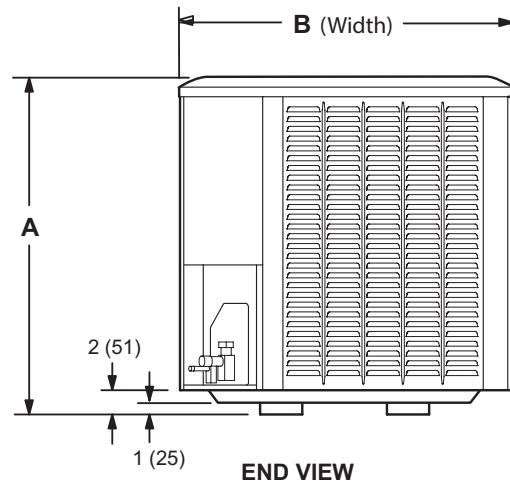
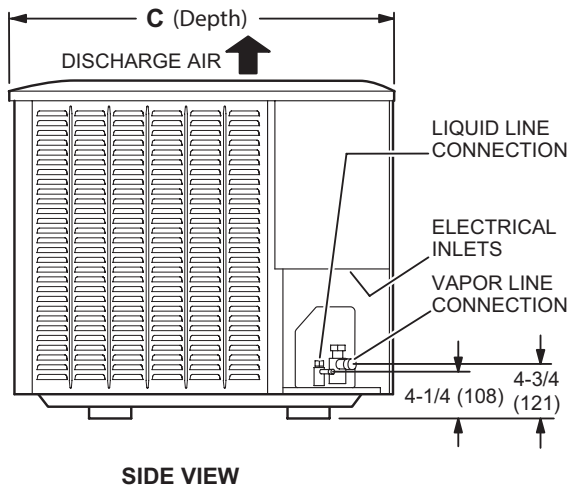
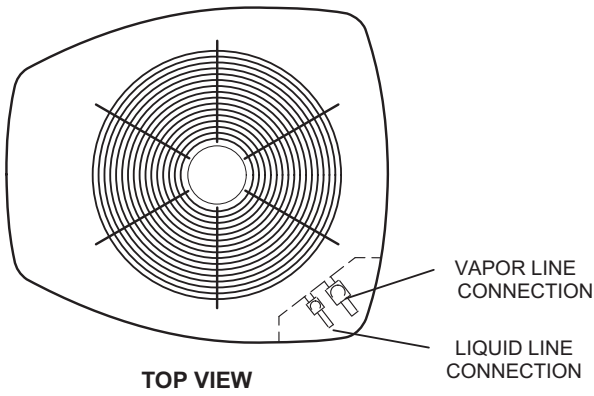
## INSTALLATION CLEARANCES

### NOTES:

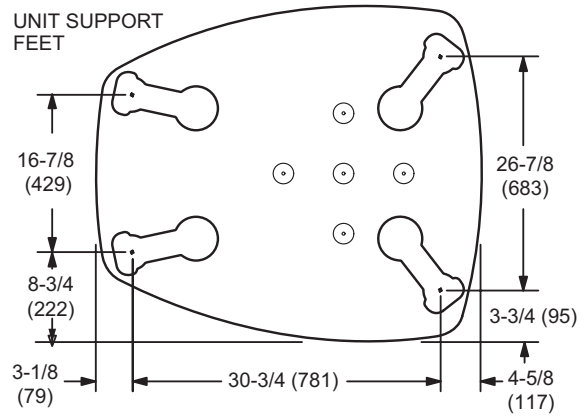
- Service Clearance – 30 in. (762 mm) on one of the sides adjacent to the Control Box.
- One of other three sides must be 36 in. (914 mm).
- One of the two remaining sides may be 12 in. (305 mm).
- The remaining side may be 6 in. (152 mm).
- 48 in. (1219 mm) clearance required on top of unit
- 24 in.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

## REVISIONS

Sections	Description of Change
Control Options	Updated to reflect latest product offering.



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