

**ELITE<sup>®</sup>**  
SERIES

LENNOX ELITE<sup>®</sup> SERIES  
**LARGE SPLIT SYSTEMS**



DESIGNED TO OFFER MORE.

**LENNOX**

**IMPRESSIVE FEATURES. PURE COMFORT.  
RELIABLE PERFORMANCE. THAT'S ELITE®.**





## **LENNOX ELITE SERIES LARGE SPLIT SYSTEM AIR CONDITIONERS, HEAT PUMPS AND AIR HANDLERS.**

**Reliable performance and exceptional efficiency  
make the new Elite Series Large Split Systems  
an ideal fit for almost any application.**

Elite Series Large Split Systems provide perfectly comfortable and extremely efficient heating and cooling for a variety of spaces. These specially designed systems deliver high efficiency, leading reliability, and simplified installation and maintenance.



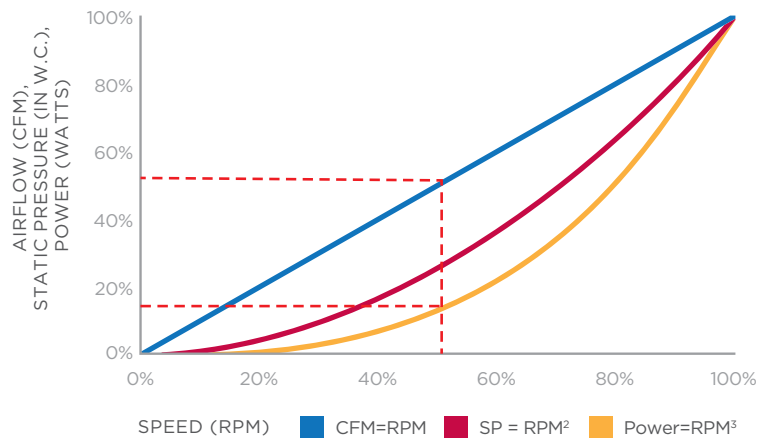


## PURE COMFORT™

Featuring smart design features and high-quality components, the Pure Comfort™ system offers superior comfort and energy savings.

- **Multi-stage cooling** capabilities allow the system to respond to changing conditions efficiently and effectively. The system operates at lower speeds most of the time for maximum comfort, enhanced humidity control and energy savings. During periods of increased cooling demand, the system ramps up to higher speeds for increased cooling power.
- **MSAV® supply fan** technology delivers year-round savings and comfort, with improved fan and operational efficiency for a variety of operating modes. The variable-frequency drive uses slow-start technology that gradually ramps the system's blower up to speed, offering smooth, efficient and quiet operation. The reduced air speed also helps to lower sound levels when the system is in part-load operation.
  - Up to 61% supply fan power savings\* reduces energy consumption
  - Up to 29% better moisture removal\* improves indoor comfort
  - Achieves/exceeds the single zone VAV supply fan requirements for ASHRAE 90.1, California Title 24, and IECC

### MSAV technology uses the theory of Fan Laws to increase system efficiency.



Based on the theory of Fan Laws, the blower operates at full power when it is running at full speed, but the same fan running at 50% speed consumes only 12.5% of the rated horsepower. By reducing airflow by half, the horsepower consumption is reduced by 87.5%, resulting in significant energy savings.

\*At 67% airflow when compared to full load.



## ADVANCED CONDENSATE MANAGEMENT™

The Advanced Condensate Management™ System uses an innovative design to control condensation and keep moisture where it belongs.

- **Blow-off baffle** catches the water droplets blowing off the coil and stops water from leaking into the duct
- **Extended drip shield** prevents moisture from dripping into the duct system
- **External filter rack** helps keep filters dry by creating a clear path for the condensation to run directly to the drain
- **Enhanced cabinet construction** with corrosion resistant, pre-painted sheet metal provides superior rust and corrosion protection. Its innovative design reduces cabinet sweating, while making it easy to maintain



## SIMPLE SERVICE™

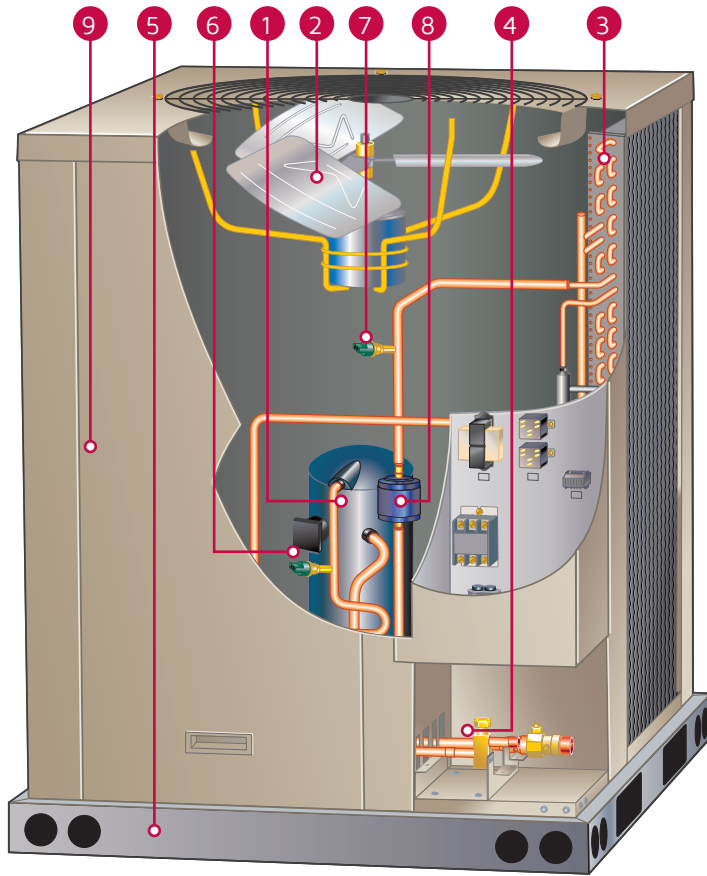
The Simple Service™ system helps ensure ease of installation and maintenance to make every service call easier.

- **Easy-service filters** are accessible on either side of the unit for convenient serviceability
- **Reversible, corrosion-resistant drain pan** allows for drain outlets on either end of the cabinet; maintenance is simplified as the drain pan is easily removable and can be adjusted for both horizontal or vertical applications
- **Slide-out blower motor** reduces installation time and is easy to service
- **Service-friendly compressor compartment** provides easy access to the compressor and service valve
- **Low-maintenance blower belt auto-tensioner** aids longer belt life and quick belt replacement to maximize unit performance

**EXCELLENT RELIABILITY AND SIMPLE SERVICE DELIVER  
YEARS OF EFFICIENT HEATING AND COOLING.**



ELXC | AIR CONDITIONER



EL072XC Model Shown

**QUIET AND EFFICIENT OPERATION**

- 1 **Scroll compressor** provides smooth, efficient and quiet operation. All units feature at least one 2-stage compressor for improved efficiency, comfort, and load matching.
- 2 **Outdoor coil fan** moves large volumes of air uniformly through the entire condenser coil for high system efficiency.
- 3 **Copper tube/enhanced lanced fin coil** provide maximum exposure of fin surface to air stream, resulting in excellent heat transfer.

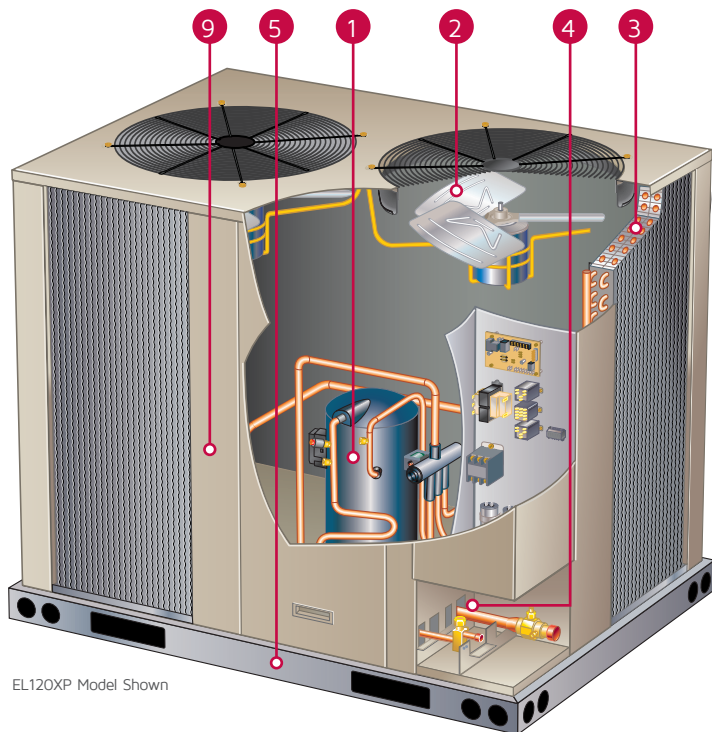
**EASY INSTALLATION AND MAINTENANCE**

- 4 **Refrigerant line and service valves** are in one central area of the cabinet for easy access.
- 5 **Full-perimeter base rails** provide structural integrity during unit transport and movement. Forklift slots and lifting holes help speed up tasks such as moving and lifting the unit on the job site.

**RELIABLE PERFORMANCE**

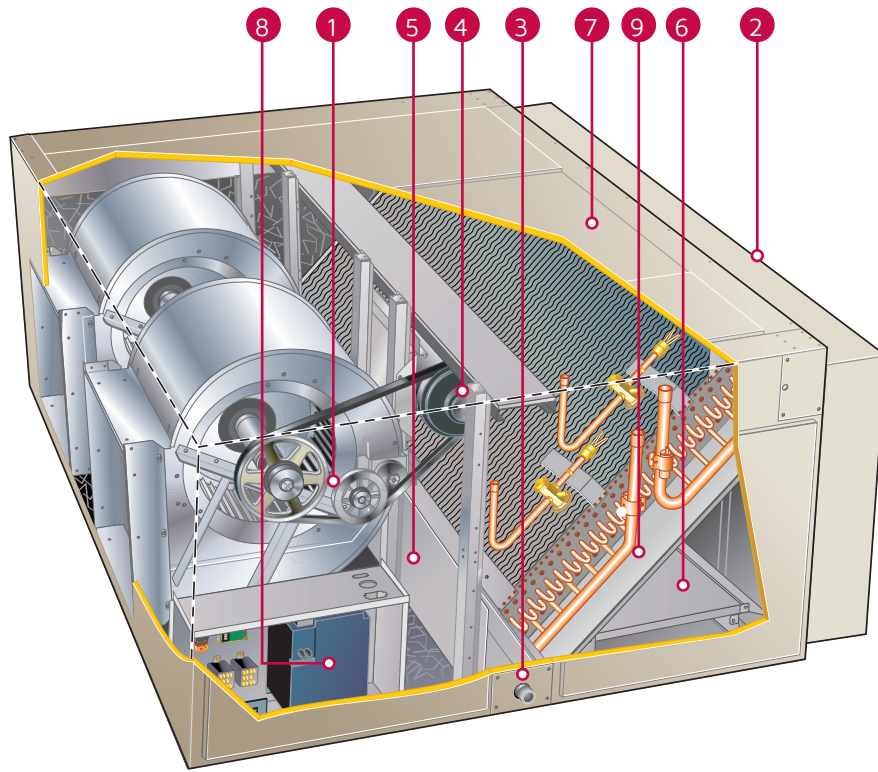
- 6 **High-pressure switch** protects the compressor from excessive condensing pressure.
- 7 **Loss-of-charge switch** provides loss-of-charge and freeze-up protection.
- 8 **High-capacity drier** traps moisture and dirt that can contaminate the refrigerant system.
- 9 **Corrosion-resistant cabinet** made from heavy-gauge, pre-painted steel provides superior rust and corrosion protection.

ELXP | HEAT PUMP



EL120XP Model Shown

## ELXA | AIR HANDLER



EL240XA Model Shown

### SIMPLE SERVICE™

- 1 Auto Tensioning Pulley
- 2 External Filter Rack
- 3 Reversible Drain Pan
- 4 Slide-Out Blower

### ADVANCED CONDENSATE MANAGEMENT™

- 2 External Filter Rack
- 5 Blow-Off Baffle
- 6 Extended Drip Shield
- 7 Durable Cabinet

### PURE COMFORT™

- 8 Variable Frequency Drive (MSAV®)
- 9 Up to 3 Cooling Stages

## Elite® Series Large Split System Performance Specifications

	NOM. TON.	OUTDOOR MODEL NO.	COOLING PERFORMANCE DATA			HEATING PERFORMANCE DATA				PHYSICAL DATA OD MODEL		INDOOR MODEL NO.	PHYSICAL DATA ID MODEL		
			NET CAPACITY (BTUH)	EER	IEER	CAP LOW (BTUH)	COP LOW	CAP HIGH (BTUH)	COP HIGH	DIMENSIONS H X W X L (IN)	SHIPPING WEIGHT (LBS.)		DIMENSIONS H X W X L (IN)	SHIPPING WEIGHT (LBS.)	AHRI REFERENCE NO.
AIR CONDITIONERS	6	EL072XCSS	71,000	12.0	16.0	-	-	-	-	49 x 40 x 49	338	EL072XASS	55 x 30 x 52	438	210666000
	6	EL072XCSS	73,000	12.2	14.8	-	-	-	-	49 x 40 x 49	338	EL090XASD	55 x 30 x 52	460	210666001
	7.5	EL090XCSS	89,000	11.2	14.8	-	-	-	-	49 x 40 x 49	365	EL090XASD	55 x 30 x 52	460	210666002
	10	EL120XCSS	115,000	11.2	14.8	-	-	-	-	49 x 61 x 44	477	EL120XASD	55 x 30 x 68	528	210666004
	10	EL120XCSD	115,000	11.2	14.8	-	-	-	-	49 x 61 x 44	505	EL120XASD	55 x 30 x 68	528	210666005
	12.5	EL150XCSD	136,000	11.0	14.2	-	-	-	-	49 x 61 x 44	560	EL150XASD	55 x 30 x 68	542	210666006
	12.5	EL150XCSD	142,000	11.0	14.2	-	-	-	-	49 x 61 x 44	560	EL180XASD	55 x 30 x 97	769	210666007
	15	EL180XCSD	176,000	11.0	14.2	-	-	-	-	49 x 61 x 89	800	EL180XASD	55 x 30 x 97	769	210666008
	16.5	EL180XCSD	196,000	11.0	14.2	-	-	-	-	49 x 61 x 89	800	EL240XASD	55 x 30 x 97	841	210666009
20	EL240XCSD	228,000	11.0	14.2	-	-	-	-	49 x 61 x 89	857	EL240XASD	55 x 30 x 97	841	210666010	
HEAT PUMPS	6	EL072XPSS	69,000	11.3	14.1	66,000	3.4	41,000	2.25	49 x 61 x 44	450	EL090XASD	55 x 30 x 52	460	210666018
	7.5	EL090XPSS	88,000	11.0	14.1	87,000	3.4	50,000	2.25	49 x 61 x 44	450	EL090XASD	55 x 30 x 52	460	210666019
	10	EL120XPSS	115,000	11.0	14.1	114,000	3.4	70,000	2.25	49 x 61 x 44	527	EL120XASD	55 x 30 x 68	528	210666020
	15	(2) EL090XPSS	178,000	10.6	13.5	170,000	3.3	98,000	2.05	49 x 61 x 44	527	EL240XASD	55 x 30 x 97	841	210666047

Note: Due to Lennox' ongoing commitment to quality, all specifications, ratings and dimensions are subject to change.

# SOLUTIONS FOR CUSTOMIZED COMFORT

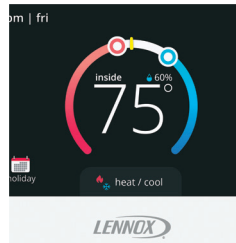
Don't just choose a Lennox product—choose a Lennox® Commercial Comfort System.

These complete packages of HVAC solutions provide tools to create a healthy and comfortable environment.



## PACKAGED UNITS

- Model L™ Rooftop Units
- Enlight™ Rooftop Units
- Xion™ Rooftop Units
- Raider® Rooftop Units
- Emergence® Rooftop Units



## COMMERCIAL CONTROLS

- Lennox® CORE Control System
- Prodigy® Control System
- Lennox Commercial Thermostats and Sensors



## VRF

- Outdoor Units
- Indoor Units
- Controls
- Accessories



## MINI-SPLIT SYSTEMS

- Heat Pump Mini-Splits
- Low Ambient Heat Pump Mini-Splits
- Indoor Units
- Controls



## HEATING

- Unit Heaters
- Duct Furnaces
- Furnaces



## INDOOR AIR QUALITY

- Humiditrol® Dehumidification System
- Demand Control Ventilation
- High Efficiency MERV Filters
- UVC Lamps
- Needle Point Bipolar Ionizers



## SPLIT SYSTEMS

- Elite® Series Large and Small Split Systems
- Merit® Series Small Split Systems
- Air Handlers
- Indoor Coils

