

**ELITE**<sup>®</sup>  
SERIES

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



DESIGNED TO OFFER MORE.



COMMERCIAL

**IMPRESSIVE FEATURES. STUNNING CAPABILITIES.  
RELIABLE PERFORMANCE. THAT'S ELITE®.**





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

**Reliable performance and smart engineering  
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. It's just what you'd expect from a series named Elite.

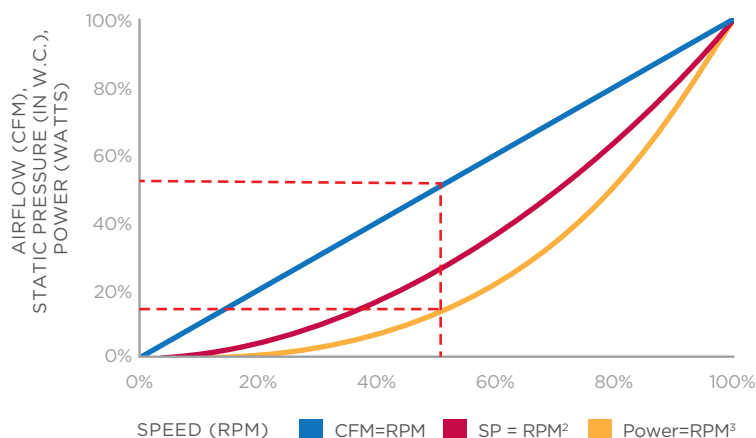


## PURE COMFORT™

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

- **Two-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. With an advanced variable-frequency drive, the MSAV supply fan also enhances system performance significantly.
  - 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 2013, California Title 24, and IECC 2015
- **Variable-Frequency Drive** with slow-start technology 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.

### 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 quality engineering and 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™

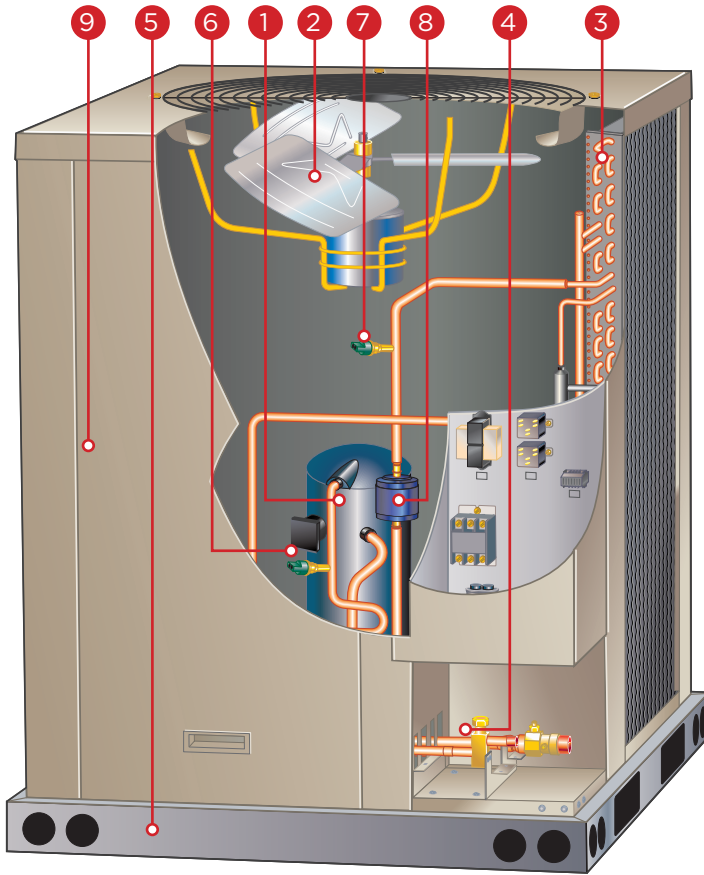
The Simple Service™ system helps ensure ease of installation and maintenance to make every service call easier.

- **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
- **Intelligent design** provides easy access to the compressor and service valve for convenient serviceability
- **Low-maintenance blower belt auto-tensioner** aids longer belt life and quick belt replacement

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



ELS | AIR CONDITIONER



ELS072 Model Shown

QUIET AND EFFICIENT OPERATION

- 1 **Scroll compressor** provides smooth, efficient and quiet operation. Compressor circuits are either 2-stage or with dual circuits.
- 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.

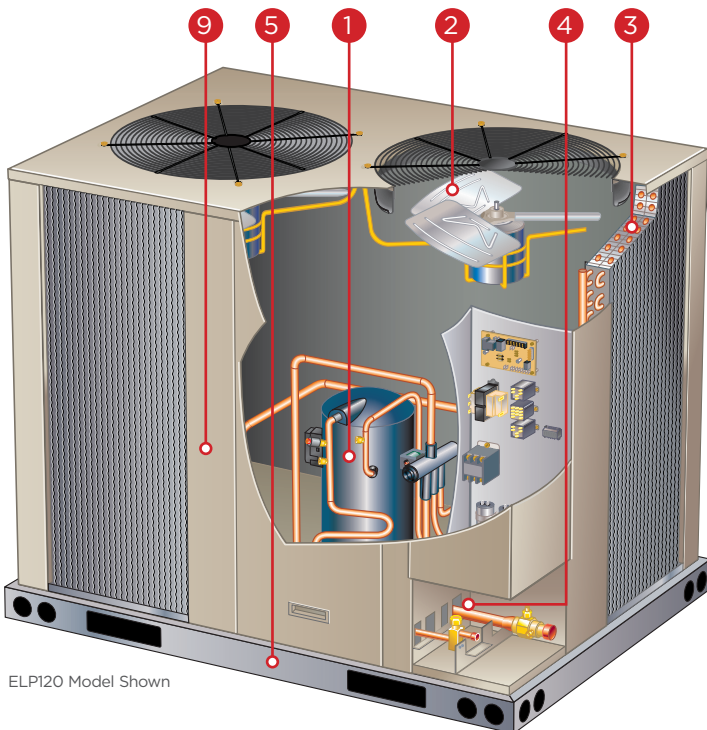
EASY INSTALLATION AND MAINTENANCE

- 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

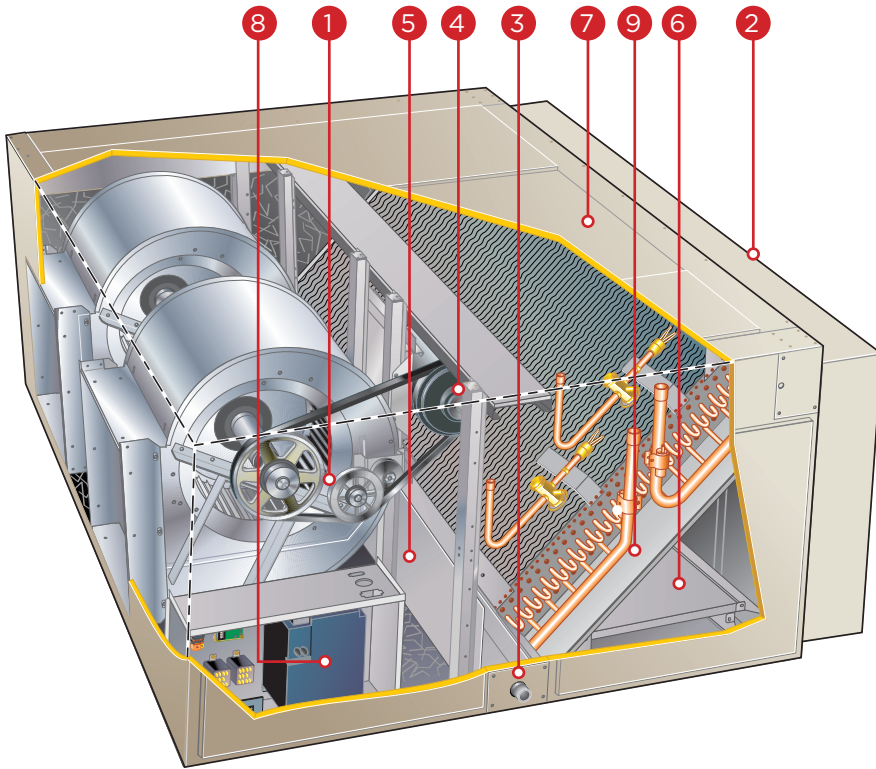
- 6 **High-pressure switch** protects the compressor from excessive condensing pressure.
- 7 **Loss-of-charge switch** provides loss-of-charge and freeze-up protection.
- 8 **Hi-capacity drier** traps moisture and dirt that can contaminate the refrigerant system.
- 9 **Corrosion-resistant cabinet** made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

ELP | HEAT PUMP



ELP120 Model Shown

## ELA | AIR HANDLER



ELA240 Model Shown

### SIMPLE SERVICE™

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

### ADVANCED CONDENSATE MANAGEMENT™

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

### PURE COMFORT™

- 8 Variable Frequency Drive (MSAV)
- 9 2-Stage Cooling

## Elite® Series Large Split System performance specifications

	NOM. TON.	OUTDOOR MODEL	COOLING DATA			HEATING DATA				PHYSICAL DATA OD MODEL		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.)	INDOOR MODEL	DIMENSIONS H X W X L (IN)	SHIPPING WEIGHT (LBS.)
AIR CONDITIONERS	6	ELS072S4ST	71,000	12.0	16.0	-	-	-	-	49 x 40 x 49	338	ELA072S4S	55 x 30 x 52	438
	7.5	ELS090S4ST	86,000	11.2	14.4	-	-	-	-	49 x 40 x 49	365	ELA090S4D	55 x 30 x 52	460
	10	ELS120S4ST	115,000	11.2	14.4	-	-	-	-	49 x 61 x 44	477	ELA120S4D	55 x 30 x 68	528
	10	ELS120S4DS	115,000	11.2	12.9	-	-	-	-	49 x 61 x 44	505	ELA120S4D	55 x 30 x 68	528
	12.5	ELS150S4DS	136,000	11.0	12.4	-	-	-	-	49 x 61 x 44	560	ELA150S4D	55 x 30 x 68	542
	15	ELS180S4DS	178,000	11.0	12.4	-	-	-	-	49 x 61 x 89	800	ELA180S4D	55 x 30 x 97	769
	20	ELS240S4DS	232,000	11.0	12.4	-	-	-	-	49 x 61 x 89	857	ELA240S4D	55 x 30 x 97	841
HEAT PUMPS	7.5	ELP090S4ST	88,000	11.0	13.6	50,000	2.25	87,000	3.3	49 x 61 x 44	450	ELA090S4D	55 x 30 x 52	460
	10	ELP120S4ST	115,000	11.0	13.6	70,000	2.25	114,000	3.3	49 x 61 x 44	527	ELA120S4D	55 x 30 x 68	528

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

# SOLUTIONS FOR CUSTOMIZED COMFORT

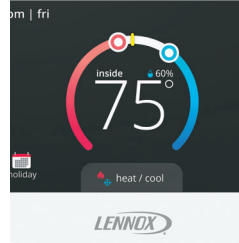
Don't just choose a Lennox product—choose a Lennox® Commercial Comfort System.

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



## PACKAGED UNITS

- Energence® Rooftop Units
- Strategos® Rooftop Units
- Landmark® Rooftop Units
- Raider® Rooftop Units
- Accessories



## COMMERCIAL CONTROLS

- Systems Integration Solutions
- Commercial Thermostats
- L Connection® Network



## VRF

- Outdoor Units
- Indoor Units
- Controls
- Accessories



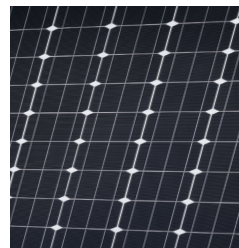
## MINI-SPLIT SYSTEMS

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



## HEATING

- Unit Heaters
- Duct Furnaces
- Furnaces



## SOLAR READY

- SunSource® Commercial Energy System



## SPLIT SYSTEMS

- Elite® Series Large Split Systems
- S-Class® Air Conditioners/Heat Pumps
- T-Class™ Air Conditioners/Heat Pumps
- Air Handlers
- Indoor Coils



## INDOOR AIR QUALITY

- Dedicated Outdoor Air System™
- Humiditrol® Dehumidification System
- Demand Control Ventilation
- Air Filters
- UVC Lamps

