



**ELITE<sup>®</sup>**  
**SERIES**

**PURE COMFORT, RELIABLE  
PERFORMANCE, THAT'S ELITE.  
COMMERCIAL SPLIT SYSTEMS**



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## ELITE Series Large Split Systems



**RELIABLE PERFORMANCE AND DESIGN FLEXIBILITY MAKE THE NEW LOW GWP ELITE ® SERIES LARGE SPLIT SYSTEMS AN IDEAL FIT FOR ALMOST ANY APPLICATION.**

Elite Series Large Split Systems provide superior comfort and energy efficient heating and cooling for a variety of spaces. These specially designed systems deliver leading reliability and simplified installation and maintenance.

**EXCELLENT RELIABILITY AND SIMPLE SERVICE DELIVERS YEARS OF EFFICIENT HEATINGAND COOLING.**



## **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.
- 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.
- 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



## **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

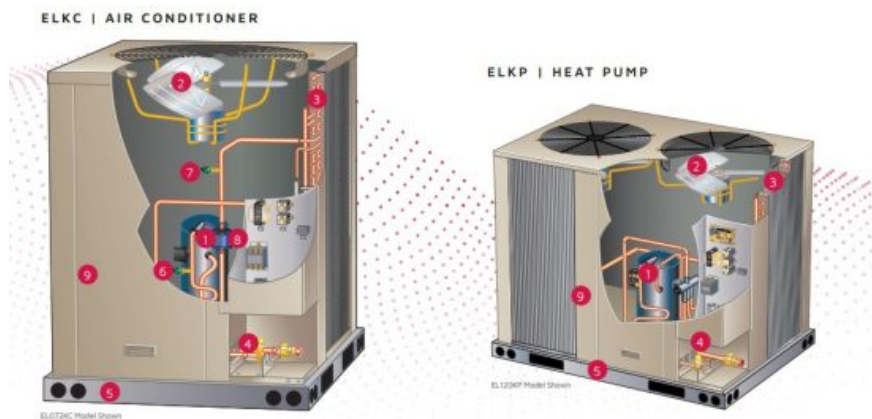


## **ADVANCED CONDENSATE MANAGEMENT™**

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

## ELITE® SERIES LARGE SPLIT SYSTEMS



## 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

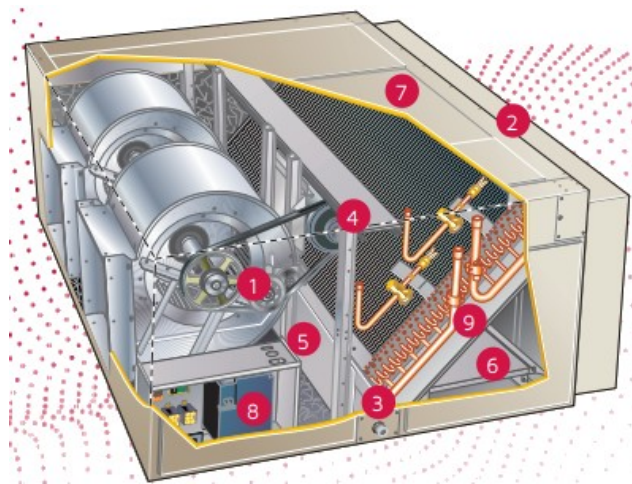
4. Refrigerant line and service valves are in one central area of the cabinet for easy access.
5. Full-perimeter base rails provide structural integrity during unit transport and movement. Forklift slots and lifting holes help speed up tasks such as moving and

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 heavygauge, pre-painted steel provides superior rust and corrosion protection.

## **ELKA | AIR HANDLER**



## **SIMPLE SERVICE™**

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

## **ADVANCED CONDENSATE MANAGEMENT**

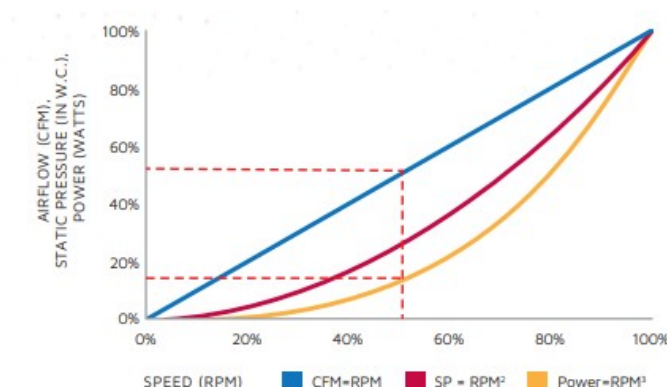
5. External Filter Rack
6. Blow-Off Baffle
7. Extended Drip Shield
8. Durable Cabinet

## **PURE COMFORT™**

9. Variable Frequency Drive (MSAV® )
10. Up to 3 Cooling Stages
11. Refrigerant Detection System



## 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.

## ELITE SERIES® COMMERCIAL SPLIT SYSTEM PERFORMANCE SPECIFICATIONS

	RCHL TON	OUTDOOR MODEL NO.	COOLING DATA PERFORMANCE DATA				HEATING DATA PERFORMANCE DATA				PHYSICAL DATA OD MODEL		PHYSICAL DATA ID MODEL			
			NET CAPACITY (BTUH)	SEER	SEER	CAP. LOW (BTUH)	COP. LOW	CAP. HIGH (BTUH)	COP. HIGH	DIMENSIONS H X W X L (IN)	BASE WEIGHT (LBS.)	INDOOR MODEL NO.	DIMENSIONS H X W X L (IN)	BASE WEIGHT (LBS.)	AHR	REFERENCE NO.
AIR CONDITIONERS	6	EL072KCS5	69,000	11.5	15.0	-	-	-	-	49 x 40 x 49	338	EL072KASS	55 x 30 x 52	438	217047684	
	6	EL072KCS5	71,000	11.2	14.8	-	-	-	-	49 x 40 x 49	338	EL090KASD	55 x 30 x 52	460	217047685	
	7.5	EL090KCS5	89,000	11.2	14.8	-	-	-	-	49 x 40 x 49	365	EL090KASD	55 x 30 x 52	460	217047686	
	7.5	EL090KCS5	90,000	11.2	14.8	-	-	-	-	49 x 40 x 49	365	EL120KASD	55 x 30 x 68	528	217047687	
	10	EL120KCS5	115,000	11.2	14.8	-	-	-	-	49 x 61 x 44	477	EL120KASD	55 x 30 x 68	528	217047688	
	10	EL120KCS5	115,000	11.2	14.8	-	-	-	-	49 x 61 x 44	511	EL120KASD	55 x 30 x 68	528	217047689	
	12.5	EL150KCS5	136,000	11.0	14.2	-	-	-	-	49 x 61 x 44	560	EL150KASD	55 x 30 x 68	542	217047690	
	12.5	EL150KCS5	142,000	11.0	14.2	-	-	-	-	49 x 61 x 44	560	EL180KASD	55 x 30 x 97	769	217047691	
	15	EL180KCS5	176,000	11.0	14.2	-	-	-	-	49 x 61 x 89	809	EL180KASD	55 x 30 x 97	769	217047692	
	15	EL180KCS5	196,000	11.0	14.2	-	-	-	-	49 x 61 x 89	809	EL240KASD	55 x 30 x 97	841	217047693	
	15	EL180KCS5	180,000	11.0	14.2	-	-	-	-	49 x 61 x 89	809	(2) EL090KASD	55 x 30 x 52	920	217048105	
	15	(2) EL090KCS5	170,000	11.0	14.2	-	-	-	-	49 x 61 x 89	730	EL180KASD	55 x 30 x 52	769	217048082	
	20	EL240KCS5	228,000	11.0	14.2	-	-	-	-	49 x 61 x 89	889	EL240KASD	55 x 30 x 97	841	217047694	
	20	EL240KCS5	232,000	11.0	14.2	-	-	-	-	49 x 61 x 89	889	(2) EL120KASD	55 x 30 x 68	1056	217048106	
	20	(2) EL120KCS5	232,000	11.0	14.4	-	-	-	-	49 x 61 x 44	1022	EL240KASD	55 x 30 x 97	841	217048083	
HEAT PUMPS	6	EL072KPSS	69,000	11.3	14.1	66,000	3.4	41,000	2.25	49 x 61 x 44	450	EL090KASD	55 x 30 x 52	460	-	
	7.5	EL090KPSS	88,000	11.0	14.1	87,000	3.4	50,000	2.25	49 x 61 x 44	450	EL090KASD	55 x 30 x 52	460	-	
	10	EL120KPSS	115,000	11.0	14.1	114,000	3.4	70,000	2.25	49 x 61 x 44	527	EL120KASD	55 x 30 x 68	528	-	
	15	(2) EL090KPSS	178,000	10.6	13.5	170,000	3.3	98,000	2.05	49 x 61 x 44	900	EL240KASD	55 x 30 x 97	841	-	

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



## COMPLETE COMMERCIAL CLIMATE SOLUTIONS

Create your ideal building environment with the comprehensive Lennox Commercial portfolio. Each solution is engineered to optimize performance, energy-efficiency, serviceability and environmental impact. From Varix™ VRF Systems working alongside rooftop units to complete custom turnkey solutions, we'll help you find the perfect system for your needs.

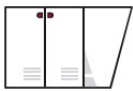





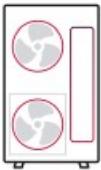


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Contact us to discuss your project and request a quote.

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LENNOX // COMMERCIAL SOLUTIONS

	<b>PACKAGED UNITS</b> Model L™, Enlight, Xion™, Raider®, LRP
	<b>VRF</b> Outdoor and Indoor Units, Controls, Accessories
	<b>SPLIT SYSTEMS</b> Elite ® Series, Merit® Series, Air Handlers, Indoor Coils

	<b>COMMERCIAL CONTROLS</b> Lennox® CORE Control System, Lennox Commercial Thermostats and Sensors
	<b>MINI-SPLIT SYSTEMS</b> Outdoor and Indoor Units, Controls, Accessories
	<b>HEATING</b> Unit Heaters, Furnaces, Duct Furnaces
	<b>INDOOR AIR QUALITY</b> Dehumidification, Filtration, Purification

## WITH YOU EVERY STEP OF THE WAY

Get fast, direct access to commercial HVAC expertise and equipment—straight from the source. Your Lennox team is here to help you be more efficient, informed and effective at every stage of your projects.

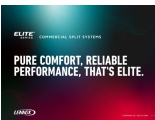


1-800-9-LENNOX // [Lennox.com/Commercial](https://www.lennox.com/Commercial)



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## Documents / Resources

	<a href="#">LENNOX ELITE Series Large Split Systems [pdf]</a> Owner's Manual EL072KC, EL120KP, EL240KA, ELITE Series Large Split Systems, ELITE Series, Large Split Systems, Split Systems, Systems
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## References



- [🔗 Contact Lennox Commercial for Support, Service and Sales](#)
- [User Manual](#)

📁 Lennox

🔍 EL072KC, EL120KP, EL240KA, Elite Series, ELITE Series Large Split Systems, Large Split Systems, Lennox, Split Systems, Systems

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