

**XION** ROOFTOP UNITS

**PROVEN RELIABILITY,  
SUPERIOR SERVICEABILITY.**





# THE XION™ FAMILY OF ROOFTOP UNITS DELIVERS FROM START TO FINISH.

At Lennox, we know how important reliability and serviceability are for our customers. That's why Xion™ rooftop units are the smart choice. They're designed for quick field adaptability, making them ideal for fast turnaround commercial applications. Every Xion unit is built with the same high-quality standards and factory tested to ensure reliable performance and year-round comfort. Our serviceable design will make life easy for years to come.

# THE BENCHMARK FOR PERFORMANCE AND RELIABILITY

Designed for seamless rooftop integration, Xion™ units offer a hassle-free installation process with features that simplify setup and adaptability to various applications. Equipped with the Lennox® CORE Lite Unit Controller, these units optimize maintenance and service operations, helping to lower costs and reduce downtime. Engineered for dependable performance, Xion™ rooftop units provide reliable, year-round comfort, making them a smart and efficient choice for any commercial HVAC application.



## ROOF READY

Xion™ rooftop units are designed roof ready to quickly fit your application needs. These units come with a range of convenient features that make installation quick and easy.

- Field flexibility with more than 100 field-installed accessories that allow quick modification of units to fit the application
- Installation made easy with a self-sealing insulated base and minimized plumbing through a convertible drain pan
- Comprehensive product line consisting of 2-25 ton gas-electric and electric-electric, and 2-25 ton heat pump models



## SIMPLE SERVICE

Xion™ rooftop units featuring the Lennox® CORE Lite Unit Controller maximizes efficiency of maintenance and service operations, reducing operational costs and minimizing downtime.

- Lennox® CORE Service App integrates diagnostic, test, and troubleshooting functionalities, reducing install and service time over traditional interfaces
- Slide-out blower reduces installation and service time
- Isolated compressor compartment allows performance checks without interrupting airflow, reducing service time
- Accessible heating compartment provides quick and convenient access to all gas or electric heating components



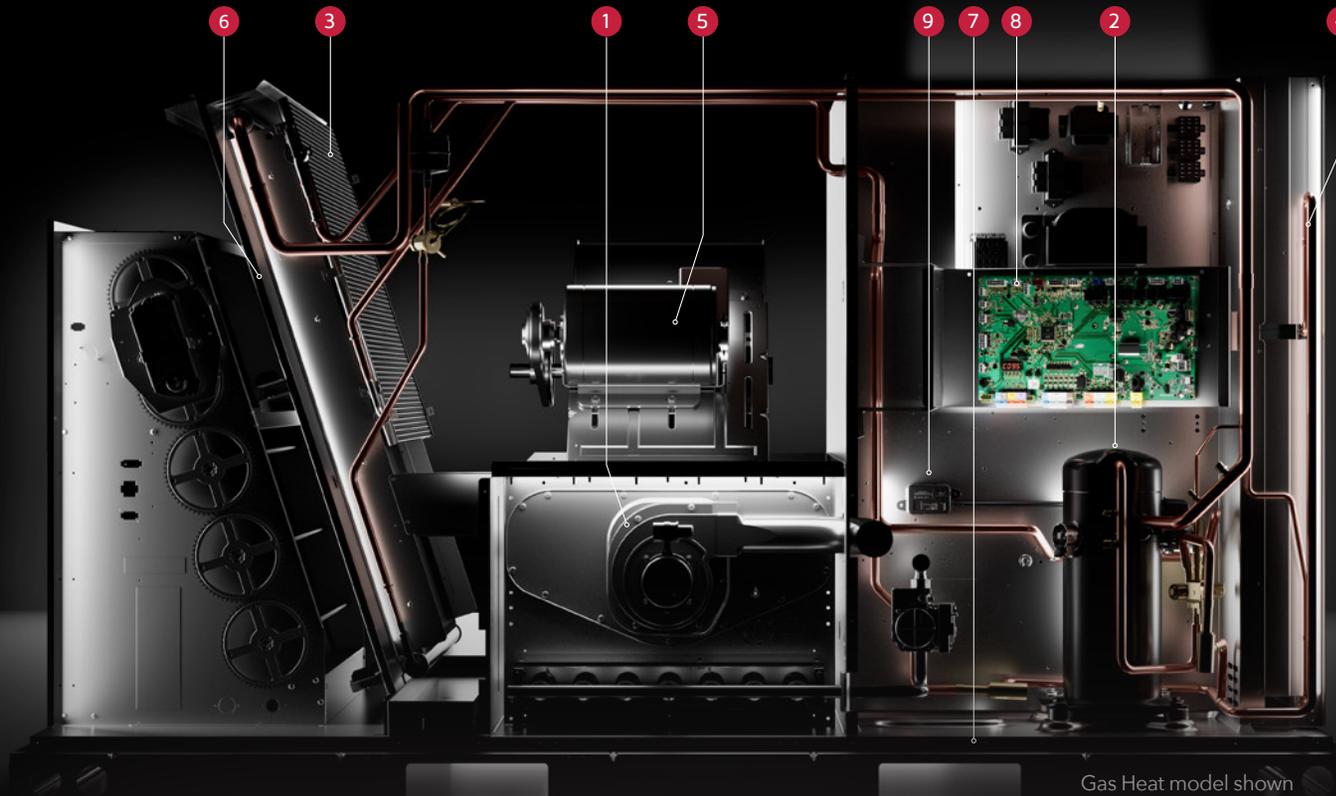
## RELIABLE PERFORMANCE

Xion™ rooftop units are engineered to deliver reliable performance and year-round comfort.

- Lennox® CORE Lite Unit Controller increases system reliability by providing 3-strike protection and alerts for critical components
- Environ™ Coil System contains up to 52% less refrigerant and is up to 59% lighter than traditional coil systems reducing the overall environmental impact
- MSAV® supply fan technology optimizes system performance by staging airflow to provide year-round comfort and power savings of up to 61% over traditional blower systems
- Humiditrol® dehumidification technology offers an optional humidity control system that efficiently removes moisture from the air to create a healthier, more comfortable indoor environment

# XION™ ROOFTOP UNIT

- 1 Accessible Heating Compartment
- 2 Isolated Compressor Compartment
- 3 Humiditrol® Dehumidification System [optional]
- 4 Environ™ Coil System\*\*
- 5 Slide-out Blower
- 6 Easy Filter Access
- 7 Fully Insulated Base Pan [item is not shown]
- 8 Lennox® CORE Lite Unit Controller
- 9 Refrigerant Detection System



## XION™ HIGHLIGHTS:

2- to 25-ton gas/electric and electric/electric units • 2- to 25-ton heat pump units

Up to 14.0 SEER2, 15.5 IEER, and 11.5 EER2	More than 100 field-selectable options ensure fast and easy installation	MSAV® supply fan technology achieves up to 61% fan power savings*	Environ™ coil system maximizes reliability and sustainability**	Improved comfort with the optional Humiditrol® dehumidification system**	The Lennox® CORE Lite Controller and Simple Service features minimize maintenance time
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\*Standard on units 6 tons and up \*\*Available on gas/electric and electric/electric models only.



## LENNOX / CORE LITE

The Lennox® CORE Control System on Xion™ rooftop units is comprised of the easy-to-use Lennox® CORE Lite Unit Controller and the intuitive CORE Service App.

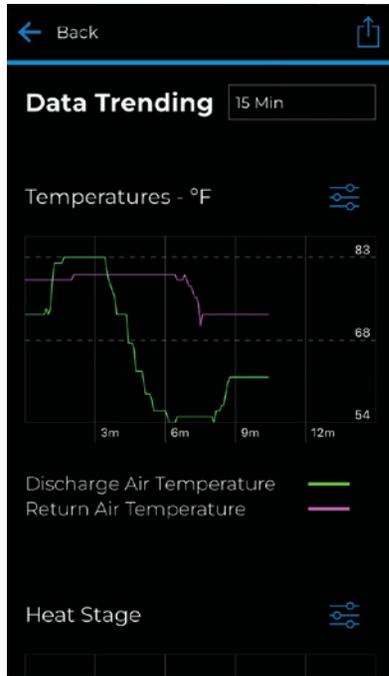
The CORE Lite Unit Controller openly integrates with multiple control types, extends unit lifetime by reliably operating system components, and optimizes unit efficiency through built-in algorithms, creating ideal space conditions with ease.

The CORE Service App provides a better installation and service experience through intuitive guided setup, simplified troubleshooting with, and advanced diagnostic capabilities, reducing installation and service costs.

# THE LENNOX® CORE SERVICE APP

## MAKES SERVICING SIMPLE

The Lennox® CORE Service App replaces a traditional built-in user interface on the CORE Unit Controllers and provides guided setup means for install, test and balance, and network integration. Reports that detail runtimes and service history can be exported from the app.



## REAL-TIME DATA READOUTS

Enhanced test functionality provides real-time sensor readings, trending and reports that enable easy troubleshooting.



# XION™ ROOFTOP UNIT OPTIONS & ACCESSORIES

COOLING		
Drain Pan Overflow Switch		Field
Dirty Filter Switch		Field
Low-Ambient Kit (Down to 0° F)		Field
PVC or Copper Condensate Drain Trap		Field
BLOWER		
Blower - Supply Air Motors and Drive Kits		Factory
Blower Proving Switch		Standard
VFD Bypass Kit (MSAV®)		Field
HEATING		
Electric Heat		Field
Gas Heat		Factory
Stainless Steel Heat Exchanger		Factory
Bottom Gas Piping Kit		Field
Combustion Air Intake Extensions		Field
Low Temperature Vestibule Heater		Field
LPG/Propane Conversion Kits		Field
Vertical Vent Extension		Field
CABINET		
Combination Coil/Hail Guards (2-25 ton)		Factory, Field
Hinged Access Panels		Factory
Horizontal Discharge Kit		Field
Return Air Adaptor Plate***		Field
Corrosive Protection (Indoor coil/outdoor coil)		Field
CONTROLS		
CORE Lite Unit Controller		Standard
Lennox BACnet Module		Field
CS3000 and CS7500 Commercial Programmable Thermostats		Field
Smoke Detector Supply and/or Return		Field

## XION™ ROOFTOP UNIT OPTIONS & ACCESSORIES

DEHUMIDIFICATION	
Humiditrol® (HGRH)**	Factory
INDOOR AIR QUALITY	
MERV 8 Filters	Field
MERV 13 Filters	Field
MERV 16 Filters	Field
Replacement Media Filter with Metal Mesh	Field
IAQ (CO2) Sensors	Field
Needlepoint Bipolar Ionizers	Field
UVC Germicidal Light Kit	Field
ELECTRICAL	
Electrical Voltage (60 Hz, 208/230V 1ph, 208/230V, 460V, or 575V - 3ph)	Factory
Disconnect Switch	Factory, Field
GFI Service Outlets	Factory, Field
Weatherproof Cover for GFI	Field
ECONOMIZER*	
Economizer - Downflow or Horizontal	Factory, Field
Economizer - Horizontal Conversion Kit	Field
Economizer Controls - Single Sensible/Enthalpy	Factory, Field
Economizer Controls - Differential Enthalpy	Field
Horizontal Barometric Relief Dampers - Hood Furnished	Field
OUTDOOR AIR	
Manual Outdoor Air Dampers	Field
Motorized Outdoor Air Dampers	Field
Power Exhaust Fan Standard Static	Field
ROOF CURBS/CEILING DIFFUSERS	
Roof Curbs (Standard, Clip, Hinged)	Field
Ceiling Diffusers	Field

\*Only available in High Performance \*\*Only available on G/E, E/E units \*\*\*Applies to 7.5- to 12.5-ton models only.

# XION™ ROOFTOP UNIT R-454B PERFORMANCE SPECIFICATIONS

			COOLING DATA		HEATING INPUTS (KBTUH)			PHYSICAL DATA	
TYPE	NOMINAL TONNAGE	MODEL	EER (EER2*)	IEER (SEER2*)	STD.	MED.	HIGH	DIMENSIONS H X W X L [INCHES]	BASE WT. [LBS.]
GAS/ELECTRIC UNITS	2	LGX024S5E	(11.5)	(14.0)	65	N/A	N/A	39 x 47 x 86	521
	3	LGX036S5	(11.5)	(14.0)	65	108	N/A	39 x 47 x 86	531
	4	LGX048S5	(11.5)	(14.0)	65	108	150	39 x 47 x 86	532
	5	LGX060S5	(11.5)	(14.0)	65	108	150	39 x 47 x 86	532
	6	LGX072S5T	11.0	15.0	65	108	150	47 x 47 x 86	604
	7.5	LGX092S5M	11.0	14.6	130	180	240	47 x 61 x 102	918
	8.5	LGX102S5M	11.0	14.6	130	180	240	47 x 61 x 102	938
	10	LGX120S5M	11.0	14.6	130	180	240	47 x 61 x 102	1,002
	12.5	LGX150S5M	10.8	14.0	130	180	240	47 x 61 x 102	1,052
	15	LGX180S5M	10.8	14.0	260	360	480	55 x 92 x 133	1,884
	17.5	LGX210S5M	10.8	14.0	260	360	480	55 x 92 x 133	2,044
	20	LGX240S5M	10.8	14.0	260	360	480	55 x 92 x 133	2,216
	25	LGX300S5M	9.8	13.0	260	360	480	55 x 92 x 133	2,460
					ELECTRIC HEAT SIZES - [KW]				
ELECTRIC/ELECTRIC UNITS	2	LCX024S5D	(11.5)	14.0	5, 7.5, 10			39 x 47 x 86	502
	3	LCX036S5	(11.5)	14.0	7.5, 15			39 x 47 x 86	504
	4	LCX048S5	(11.5)	14.0	7.5, 15			39 x 47 x 86	504
	5	LCX060S5	(11.5)	14.0	7.5, 15, 22.5			39 x 47 x 86	504
	6	LCX072S5T	11.2	15.5	7.5, 15, 22.5, 30			47 x 47 x 86	575
	7.5	LCX092S5M	11.2	14.8	7.5, 15, 22.5, 30, 45			47 x 61 x 102	870
	8.5	LCX102S5M	11.2	14.8	7.5, 15, 22.5, 30, 45			47 x 61 x 102	890
	10	LCX120S5M	11.2	14.8	15, 22.5, 30, 45, 60			47 x 61 x 102	954
	12.5	LCX150S5M	11.0	14.2	15, 22.5, 30, 45, 60			47 x 61 x 102	1,004
	15	LCX180S5M	11.0	14.2	15, 30, 45, 60			55 x 92 x 133	1,724
	17.5	LCX210S5M	11.0	14.2	15, 30, 45, 60, 90			55 x 92 x 133	1,884
	20	LCX240S5M	11.0	14.2	15, 30, 45, 60, 90			55 x 92 x 133	2,056
	25	LCX300S5M	10.0	13.2	15, 30, 45, 60, 90			55 x 92 x 133	2,300

# XION™ ROOFTOP UNIT R-454B PERFORMANCE SPECIFICATIONS

			COOLING DATA		HEATING PERFORMANCE				PHYSICAL DATA	
TYPE	NOMINAL TONNAGE	MODEL	EER (EER2*)	IEER (SEER2*)	(HSPF2*)	COP 47°F	COP 17°F	ELECTRIC HEAT [KW RANGE]	DIMENSIONS H X W X L [INCHES]	BASE WT. [LBS.]
HEAT PUMP	2	LHX024S5D	(10.6)	(13.4)	(6.7)	3.5	2.28	5 - 10	39 x 47 x 86	566
	3	LHX036S5	(10.6)	(13.4)	(6.7)	3.64	2.32	7.5 - 15	39 x 47 x 86	566
	4	LHX048S5	(10.6)	(13.4)	(6.7)	3.72	2.4	7.5 - 22.5	47 x 47 x 86	641
	5	LHX060S5	(10.6)	(13.4)	(6.7)	3.7	2.4	7.5 - 22.5	47 x 47 x 86	686
	6	LHX072S5T	11.0	14.1	N/A	3.4	2.25	7.5-22.5	47 x 47 x 86	768
	7.5	LHX092S5M	11.0	15.0	N/A	3.4	2.25	7.5 - 45	47 x 61 x 102	1,052
	8.5	LHX102S5M	11.0	15.0	N/A	3.4	2.25	7.5 - 45	47 x 61 x 102	1,084
	10	LHX120S5M	11.0	15.0	N/A	3.4	2.25	15 - 60	47 x 61 x 102	1,150
	15	LHX180S5M	10.6	13.5	N/A	3.3	2.05	15 - 60	55 x 92 x 133	2,044
	20	LHX240S5M	10.6	13.5	N/A	3.3	2.05	15 - 90	55 x 92 x 133	2,081
	25	LHX300S5M	10.0	13.0	N/A	3.3	2.20	15 - 90	55 x 92 x 133	2,318

\*EER2, SEER2 and HSPF2 ratings only apply to equipment below 65,000 btuh.

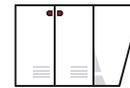


# COMPLETE COMMERCIAL CLIMATE SOLUTIONS

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.



Contact us to discuss your project and request a quote.  
[Lennox.com/Commercial/Connect](https://www.lennox.com/commercial/connect)



## PACKAGED UNITS

Model L™, Enlight, Xion™, Raider®, Strategos®



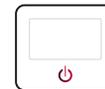
## VRF

Outdoor and Indoor Units,  
 Controls, Accessories



## SPLIT SYSTEMS

Elite® Series Large, Merit® Series Small,  
 Air Handlers, Indoor Coils



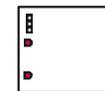
## COMMERCIAL CONTROLS

Lennox® CORE Control System, Lennox  
 Commercial Thermostats and Sensors



## MINI-SPLIT SYSTEMS

Outdoor and Indoor Units,  
 Controls, Accessories



## HEATING

Unit Heaters, Furnaces, Duct Furnaces



## INDOOR AIR QUALITY

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.



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