

THE LENNOX ROOFTOP SERIES.

Complete Product Guide



COMMERCIAL SOLUTIONS

MODEL L



ENLIGHT



XION



BUILDING BETTER AIR WITH OUR REVOLUTIONARY ROOFTOP LINEUP

This industry-leading lineup offers the highest quality HVAC solutions for every level of application, delivering unmatched performance, exceptional efficiency, and superior serviceability.

So, no matter the job, you can rely on the Lennox Rooftop Series family of products to deliver consistent comfort and enhanced indoor air quality.

INNOVATION IS AT THE HEART OF EVERY LENNOX® PRODUCT.

AND OUR COMMERCIAL OFFERINGS ARE NO EXCEPTION.

AN INDUSTRY LEADING LINEUP



	MODEL L™	ENLIGHT	XION™
Description	Ultra-high efficiency product with advanced control system, variable-speed technology and extensive factory options	High-efficiency product with advanced control system and extensive factory options	Standard-efficiency product with intuitive control system and moderate factory options
For the customer desiring:	The lowest total cost of ownership through exceptional efficiency, open integration, customization and a simple service experience	Lower operating costs, premium performance, and unmatched flexibility for a broad range of installations	Added value through product flexibility and serviceability for a broad range of installations
Nomenclature	LGM, LCM	LGT, LCT, LHT, LDT	LGX, LCX, LHX (Formerly K°C)
Tonnage	3 – 25	3 - 30	2 – 25
Type	G/E, E/E	G/E, E/E, HP, DF	G/E, E/E, HP
Efficiency Level(s)	Ultra-High	High	Standard
Unit Controller	Lennox® CORE Unit Controller	Lennox® CORE Unit Controller	Lennox® CORE Lite Unit Controller
Lowest Total Cost of Ownership *	Lowest	Lower	Low
Factory Options	Extensive selection	Extensive selection	Moderate selection
Humidity Control	Enhanced Dehumidification (Standard w/ SZVAV), Humiditrol™+ option	Humiditrol® option	Humiditrol® option

*Provides for reduced installation, service, maintenance and utility costs

MODEL / L

ULTIMATE PERFORMANCE, COMFORT, AND CONTROL

Model L™ rooftop units feature the Lennox® CORE Control System and advanced variable-speed technology to maximize energy savings. But that's just the beginning. Premium diagnostic features reduce installation, service and maintenance expenses to provide the lowest total cost of ownership in the industry.



ENERGY OPTIMIZATION

Model L rooftop units deliver the lowest total cost of ownership through variable-speed components and intelligent operation.

- Energy-saving efficiency ratings of up to 14.3 EER2, 21.2 SEER2 and 23.1 IEER are among the highest in the industry
- Optimized humidity control with enhanced dehumidification and optional Humiditrol™+ reduces energy usage over traditional hot-gas reheat systems
- Qualifies for rebate programs, delivering even more ways to save money



ENGINEERED INTELLIGENCE

The Lennox® CORE Unit Controller delivers connected service, open integration, reliable performance, and efficiency optimization to empower all parts of your organization.

- Mobile App interface provides intuitive guided setup, reports and parameter adjustment to optimize unit operation
- Open integration and control with standard BACnet® IP & MS/TP, LonTalk®, thermostats, and wireless sensors allows freedom of choice, custom monitoring and control
- Diagnostics and sensor system monitors component performance and alerts when necessary, enabling smart asset management



COMPLETE COMFORT

Advanced technologies deliver premium comfort and indoor air quality in a wide range of applications.

- Humiditrol™+, a modulating hot-gas reheat dehumidification system, provides energy-efficient dehumidification for superior indoor air quality and year-round comfort
- UVC germicidal lights and high-efficiency MERV filter options provide indoor air quality solutions for comfortable air in diverse climate zones
- Modulating compressors and fans optimize efficiency and comfort to meet space demands in both single-zone and multi-zone VAV applications



SIMPLE SERVICE

Model L rooftop units maximize efficiency of maintenance and service operations, reducing operational costs and minimizing downtime.

- Mobile app interface integrates diagnostic, test and troubleshooting functionalities, reducing install times over traditional built-in interfaces
- DirectPlus™ blower standard up to 12.5 tons eliminates traditional belt-drive maintenance and service costs
- The Simple Service System™ offers tool-less filter access, slide-out blower, isolated compressor compartment, and accessible heating compartment, which further reduces service time



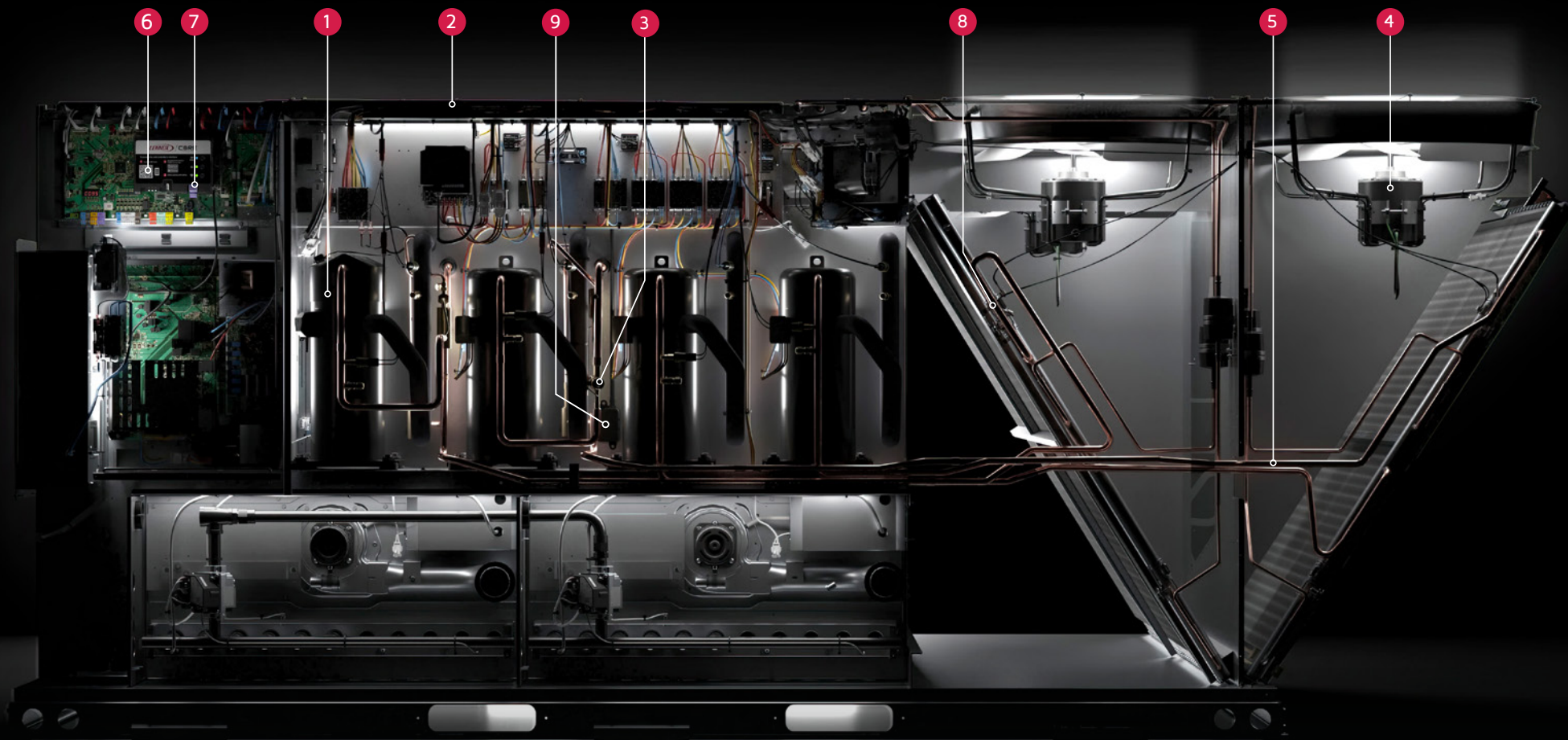
ULTIMATE INDOOR AIR QUALITY

Factory integrated options provide ideal indoor air quality solutions for a variety of commercial spaces.

- RTU mounted MERV 16 Filters provide industry leading filtration, removing up to 95% of particles down to .3 microns
- Factory installed UVC Lights treat the interior surfaces of the RTU, and target certain viruses, bacteria, and mold spores in the air stream
- Humiditrol™+ provides energy efficient dehumidification for superior indoor air quality and year-round comfort

MODEL™ L ROOFTOP UNIT

1 Lead Inverter-Driven, Variable-Speed Compressor 2 DirectPlus™ Blower System (available 3-12.5 tons) [item is not shown] 3 Advanced Dehumidification Technologies 4 Variable-Speed ECM Outdoor Fans 5 Independent Refrigeration Circuits 6 Lennox® CORE Unit Controller 7 Open Integration with Standard BACnet IP and MS/TP 8 Diagnostics and Sensor System 9 Refrigerant Detection System



MODEL L™ HIGHLIGHTS:

3- to 25-ton gas/electric and electric/electric units

Up to 14.3 EER2, 21.2 SEER2 and 23.1 IEER are among the highest in the industry

Lennox® CORE Control System simplifies the service experience with guided setup, detailed reports and actionable alerts

Diagnostics and sensor system optimize unit performance and enable smart asset management.

Lead variable-speed compressors reduce energy usage and deliver premium comfort

ENLIGHT

APPLICATION FLEXIBILITY, INTELLIGENT OPERATION

Enlight rooftop units are powered by the Lennox® CORE Control System and create a bright future through their highly energy-efficient and environmentally sustainable design. Comprehensive configurations meet a wide range of applications, making it the most flexible product line Lennox has to offer.



APPLICATION FLEXIBILITY

The Enlight lineup gives you the flexibility to configure the product to your exact application.

- Comprehensive product line consisting of 3-30 ton gas-electric and electric-electric, and 3-25 ton heat pump and dual fuel heat pump models makes Enlight your go to brand
- Configure to order options tailor the unit to your application requirements reducing installation time
- Configurable Parameters on the CORE Unit Controller allow tailored unit operation, enabling optimal comfort and efficiency for every application



SUSTAINABLE BY DESIGN

The Enlight family was engineered to minimize environmental impact through exceptional efficiency and a sustainable design.

- Energy-saving efficiency ratings of up to 13.5 EER2, 17.5 SEER2, and 17.3 IEER which qualifies for energy rebates and incentives, making it easier for your organization to meet your financial and sustainability goals
- Environ™ Coil System** contains up to 52% less refrigerant and is up to 59% lighter than traditional coil systems reducing the overall environmental impact
- Standard MSAV® supply fan technology can provide up to 75% fan power savings* while improving comfort



ENGINEERED INTELLIGENCE

The Lennox® CORE Control System delivers connected service, open integration, reliable performance, and efficiency optimization to empower all parts of your organization.

- Diagnostics and sensor system monitors component performance and alerts when necessary, enabling smart asset management
- Mobile App Interface provides intuitive guided setup, reports, and parameter adjustment to optimize unit operation
- Open integration and control with standard BACnet® IP & MS/TP, LonTalk®, thermostats, and wireless sensors allows freedom of choice, custom monitoring and control



SIMPLE SERVICE

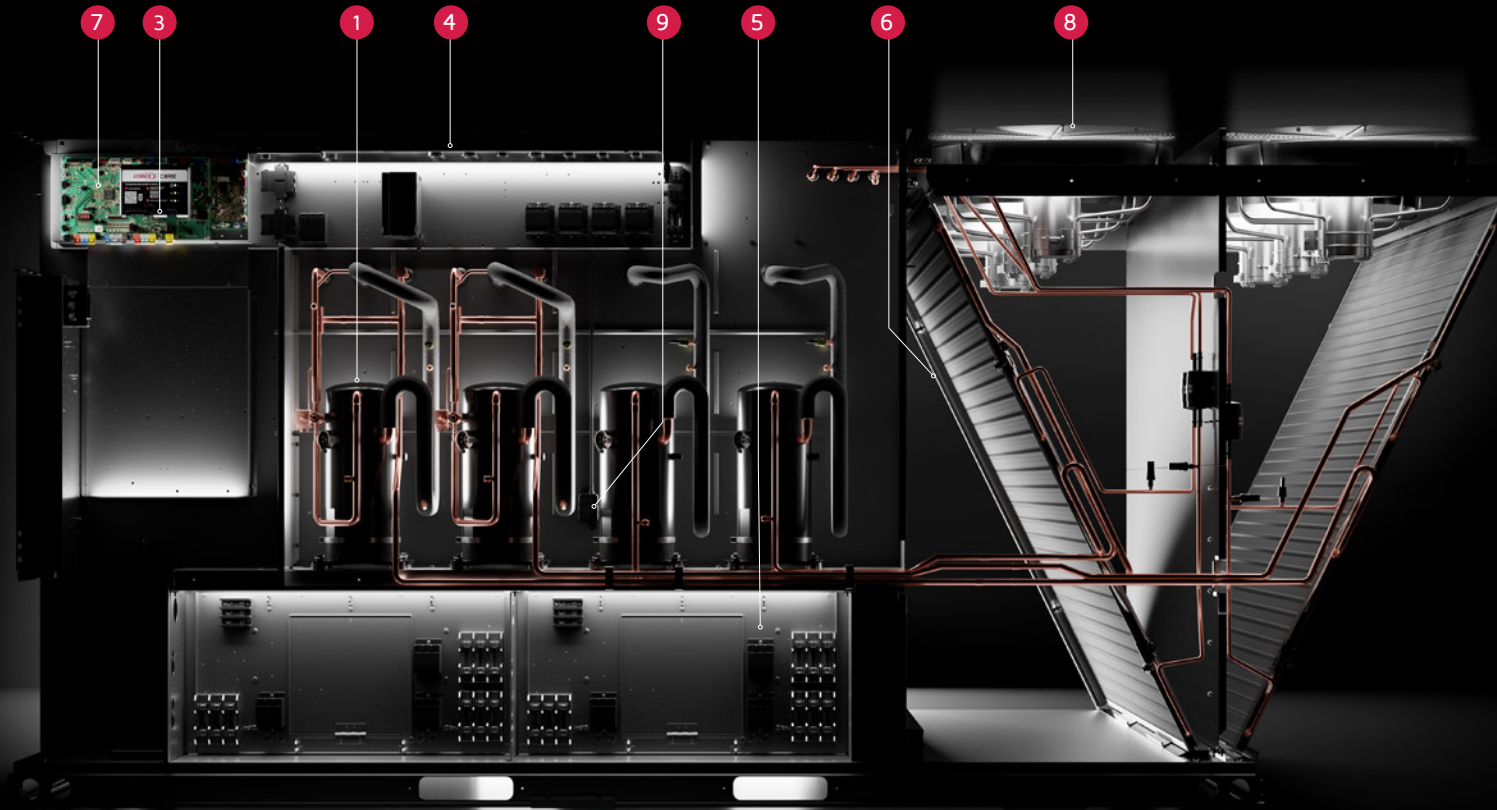
Enlight rooftop units maximize efficiency of maintenance and service operations, reducing operational costs, and minimizing downtime.

- Mobile app interface integrates diagnostic, test, and troubleshooting functionalities, reducing install times over traditional built-in interfaces
- DirectPlus™ blower standard up to 12.5 tons eliminates traditional belt-drive maintenance and service costs
- The Simple Service System™ offers tool-less filter access, slide-out blower, isolated compressor compartment, and accessible heating compartment which further reduce service time

*At 55% airflow when compared to full load. **Available on Gas/Electric and Electric/Electric models only.

ENLIGHT ROOFTOP UNIT

- 1** Isolated Compressor Compartment **2** Independent Refrigeration Circuits **3** Open Integration with Standard BACnet® IP and MS/TP **4** DirectPlus™ Blower System (available 3-12.5 tons) [item is not shown] **5** Accessible Heating Compartment **6** Tool-less Filter Access **7** Lennox® CORE Unit Controller **8** Variable Speed Outdoor Fans **9** Refrigerant Detection System



ENLIGHT HIGHLIGHTS

3- to 30-ton gas/electric and electric/electric units • 3- to 25-ton heat pump and dual-fuel units

Up to 13.5 EER2, 17.5 SEER2, and 17.3 IEER	The CORE Unit Controller revolutionizes the service experience with guided setup, detailed reports and actionable alerts	MSAV® supply fan technology achieves up to 75% fan power savings	Environ™ coil system maximizes reliability and sustainability*	Improved comfort with the Humiditrol® dehumidification system*	Extensive factory options and accessories are available
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*Available on gas/electric and electric/electric models only.



PROVEN RELIABILITY, SUPERIOR SERVICEABILITY

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 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 2-20 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

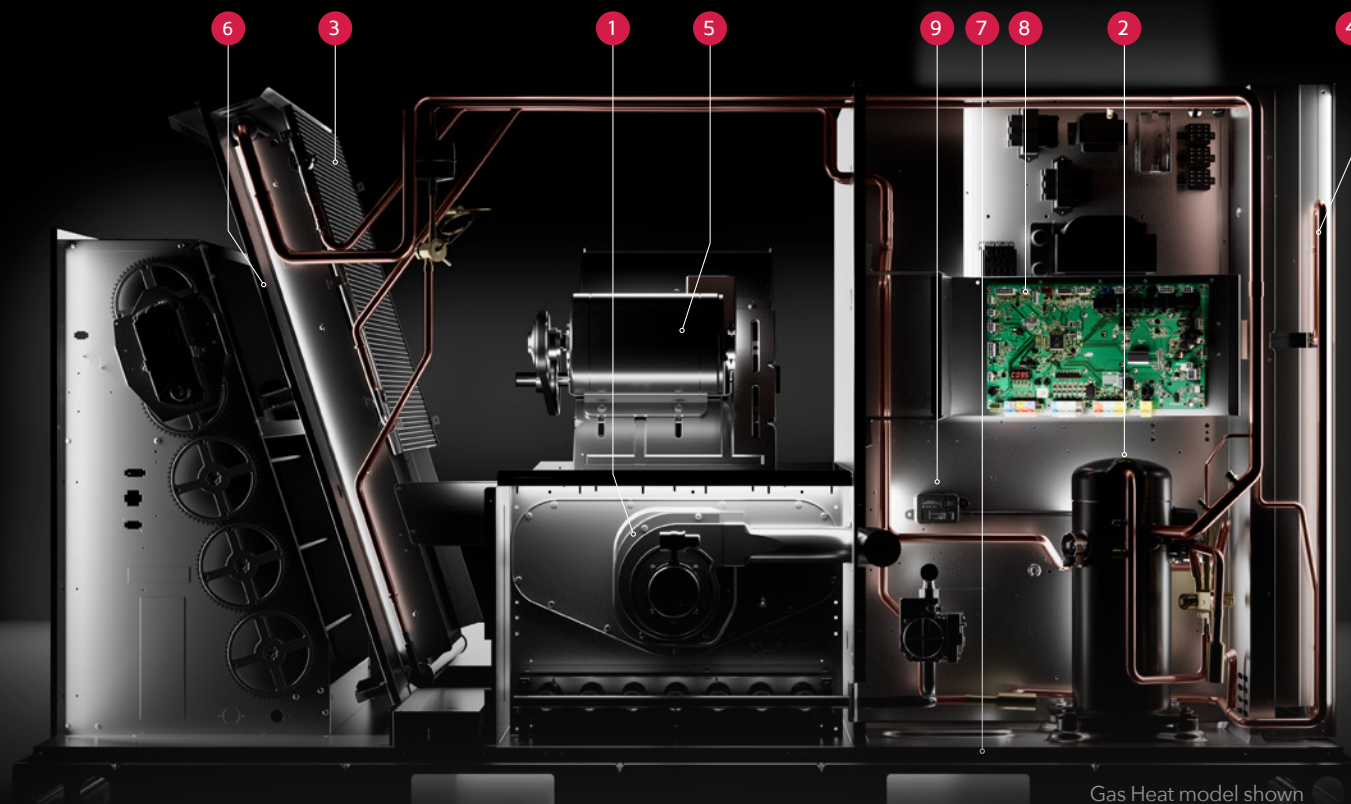
Xion™ rooftop units are engineered to deliver reliable performance and year-round comfort.

- 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



Gas Heat model shown

XION™ HIGHLIGHTS:

2- to 25-ton gas/electric and electric/electric units • 2- to 20-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
CONTROL SYSTEM

AVAILABLE ON THE LENNOX® ROOFTOP SERIES

The Lennox® CORE Control System, featuring the innovative CORE Unit Controllers and the intuitive CORE Service App, delivers connected service, open integration, reliable performance, and efficiency optimization of Lennox Rooftop Series units to empower all parts of your organization.



CONNECTED SERVICE

The Lennox® CORE Service App reinvents the service process in the palm of your hand, making setup and service faster than ever before.

- Guided Setup with progress indicators, detailed help, and exportable summaries drives simple and trouble-free setup
- Enhanced Test Functionality provides real-time sensor readings, trending, and reports that enable easy troubleshooting
- Multiple Device Support for Android and iOS phones and tablets lets you experience the Lennox® CORE Service App on your preferred device



OPEN INTEGRATION

The Lennox® CORE Control System empowers customers to choose their building controls, allowing simple or tailored operation.

- Building Management Integration through standard network protocols such as BACnet and LonWorks* allows custom monitoring and control while maintaining backwards compatibility with legacy systems
- Multiple Control Options such as traditional thermostats and BAS Integration provide operational flexibility now and in the future
- Device Encryption and Firmware Validation are engineered to Federal Information Processing Standard 140-2 guidelines



RELIABLE PERFORMANCE

The Lennox® CORE Control System provides key performance indicators and drives unit components simply and reliably.

- Intelligent Operation optimizes comfort and unit reliability without complex configuration, saving time and delivering results
- The Integrated Refrigerant Detection System (RDS) allows safe and reliable unit operation with R-454B refrigerant
- Configurable Backup Modes maintain unit operation and comfort during construction or external building control downtime



EFFICIENCY OPTIMIZATION

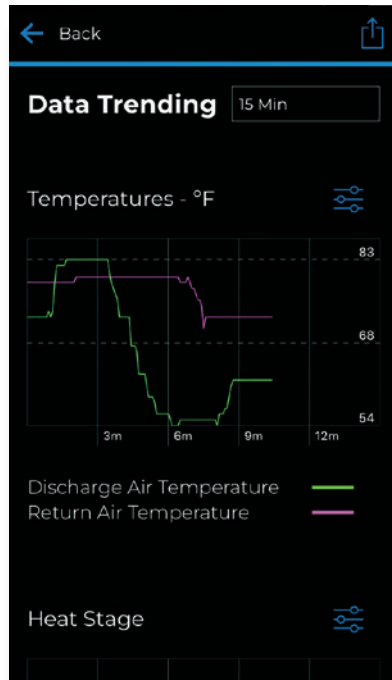
The Lennox® CORE Control System optimizes unit operation in real-time by processing advanced sensor inputs, maximizing energy efficiency and space comfort.

- Standard Sensor Package monitors key performance indicators of both the air and refrigeration systems to dynamically adjust system operation
- System Diagnostics track efficiency and indicate specific component failures, maximizing unit performance and reducing downtime
- Configurable Parameters allow tailored unit operation, enabling optimal comfort and efficiency for every application

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 menus 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.



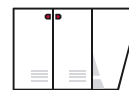


COMPLETE COMMERCIAL CLIMATE SOLUTIONS

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)



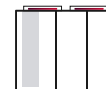
PACKAGED UNITS

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



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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