LNX

THE LENNOX ROOFTOP SERIES

LENNOX

JOIN THE ROOFTOP REVOLUTION

BUILDING

BETTER

AIR

WITH OUR

REVOLUTIONARY

ROOFTOP LINEUP

Introducing our most innovative and flexible rooftop series. 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.

MODEL / L

ENLIGHT

XION

Ultimate Performance, Comfort, and Control

Application Flexibility, Intelligent Operation

Proven Reliability, Superior Serviceability

MODEL L

ENLIGHT

XION

INDUSTRY-LEADING
DESIGN AND
INNOVATION

	MODEL /L	ENLIGHT	XION
Description	Ultra-high efficiency product featuring advanced variable-speed technology to maximize energy savings. Premium diagnostic features reduce installation, service and maintenance expenses.	High-efficiency product with extensive options creates a bright future through an environmentally sustainable design.	Standard efficiency product designed for quick field adaptability, making them ideal for fast turnaround commercial applications.
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 superior serviceability
Tonnage	3–25	3-30	2–25
Heating Types	Gas, Electric	Gas, Electric, Heat Pump, Dual Fuel	Gas, Electric, Heat Pump
Efficiency Level	Ultra	High	Standard
Unit Controller	Lennox® CORE Unit Controller	Lennox® CORE Unit Controller	Lennox CORE LITE Unit Controller
Total Cost of Ownership *	Lowest	Lower	Low
Factory Options	Premium selection	Extensive selection	Standard Selection
Humidity Control	Enhanced Dehumidification, Humiditrol™+ option	Humiditrol® option	Humiditrol® option

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

MODEL /L

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.

ENGINEERED INTELLIGENCE

The Lennox® CORE Control System 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 adjustments to optimize unit operation
- **Open integration** and control with standard BACnet® IP & MS/TP, LonTalk®, thermostats, and wireless sensors allow freedom of choice and custom monitoring and control
- **Diagnostic and sensor system** monitors component performance, tracks capacity and efficiency, 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-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

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

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
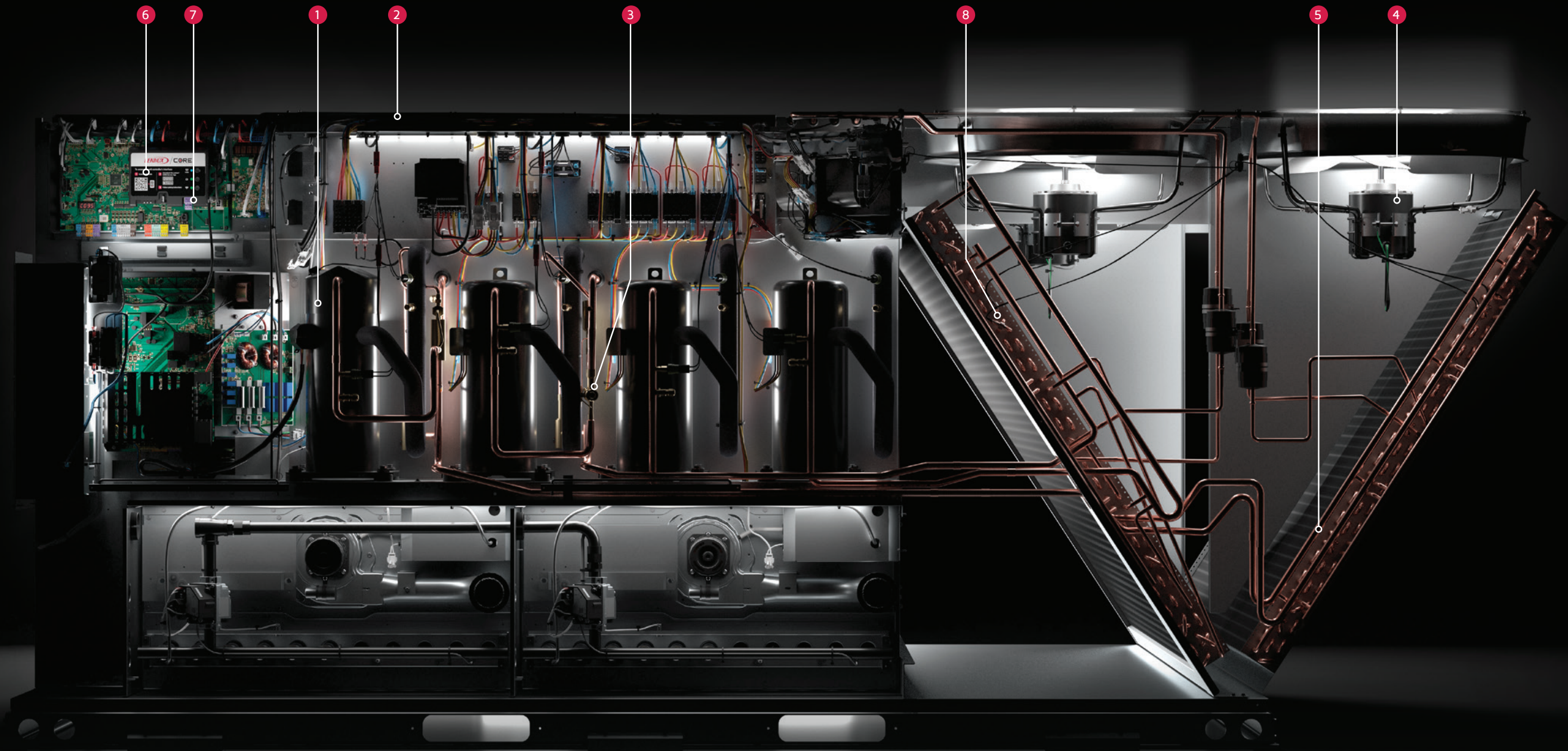
ULTIMATE INDOOR AIR QUALITY

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

ULTIMATE
PERFORMANCE,
COMFORT, AND
CONTROL

❶ Lead Inverter-Driven, Variable-Speed Compressor ❷ DirectPlus™ Blower System (available 3-12.5 tons) [item is not shown]
❸ Advanced Dehumidification Technologies ❹ Variable-Speed ECM Outdoor Fans ❺ Environ™ Condenser Coil with Independent Refrigeration
Circuits ❻ Lennox® CORE Control System ❼ Open Integration with Standard BACnet IP and MS/TP ❽ Diagnostics and Sensor 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

MODEL L™ HIGHLIGHTS:
3- to 25-ton gas/electric and electric/electric units

Humiditrol™+ modulating dehumidification system provides improved comfort and indoor air quality	The variable-speed supply fan technology achieves up to 75% fan power savings	Ultimate Indoor Air Quality System option available	ENERGY STAR® certified units	Single-zone VAV and multi-zone VAV configurations available 3-25 tons

ENLIGHT

Application Flexibility and 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.

• **Lennox® CORE Unit Controller** optimizes unit operation in real-time by processing advanced sensor inputs, maximizing energy efficiency and space comfort

• **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 and custom monitoring and control
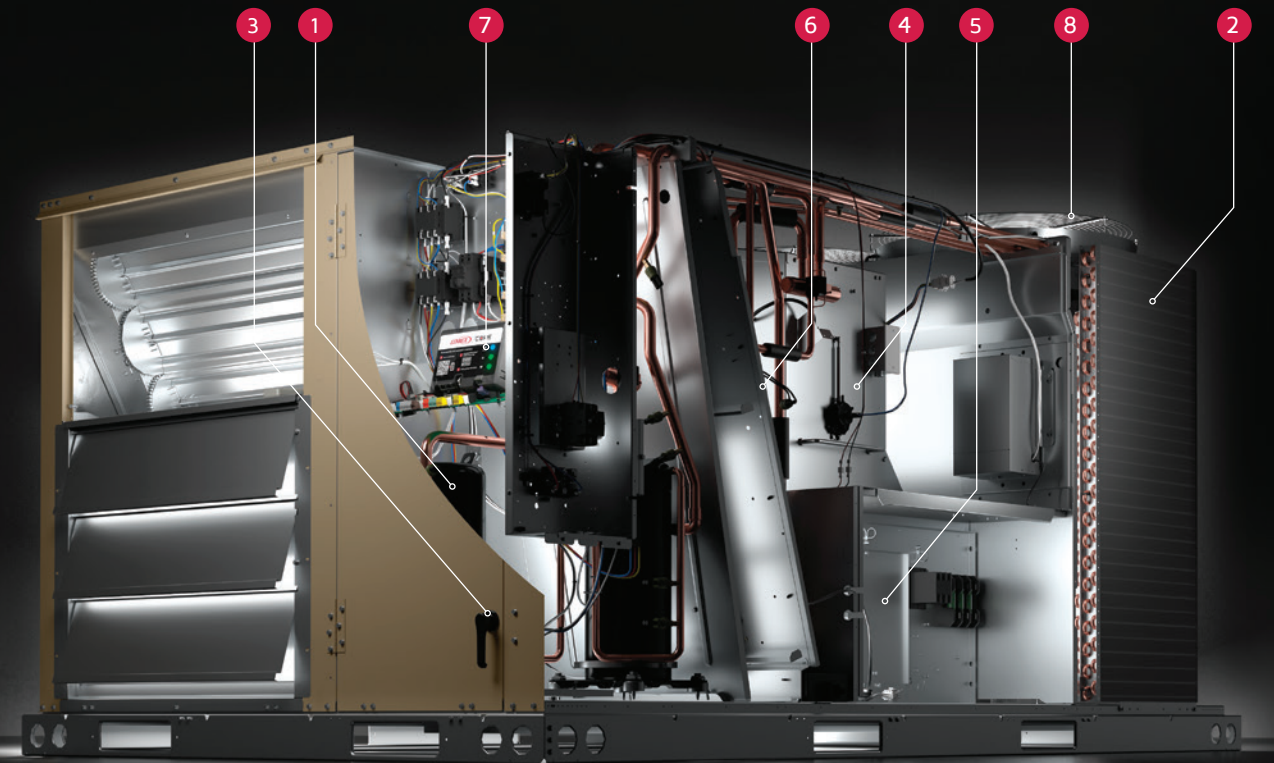
SIMPLE SERVICE

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

• **Direct drive 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.

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❶ Isolated Compressor Compartment   ❷ Independent Refrigeration Circuits   ❸ Hinged Access Panels   ❹ DirectPlus™ Blower System
❺ Accessible Heating Compartment   ❻ Tool-less Filter Access   ❼ Lennox® CORE Control System   ❽ Variable Speed Outdoor Fans

Heat Pump model shown

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	Lennox® CORE Control System 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

*Available on gas/electric and electric/electric models only.

XION

Proven Reliability and Superior Serviceability

Xion™ rooftop units featuring CORE LITE Unit Controller are designed for quick field adaptability, making them ideal for fast turnaround commercial applications. These units are the Lennox standard of reliable performance and year-round comfort packaged in a serviceable design. Combined with the innovative service app, Xion units now unlock major reliability, serviceability and flexibility benefits.

ROOF READY

Xion™ rooftop units are designed to 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 maximize 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 time and is easy to service

• **Isolated compressor compartment** allows performance check while unit is working, without interrupting airflow

• **Accessible heating compartment** provides quick and convenient access to all heating compartments
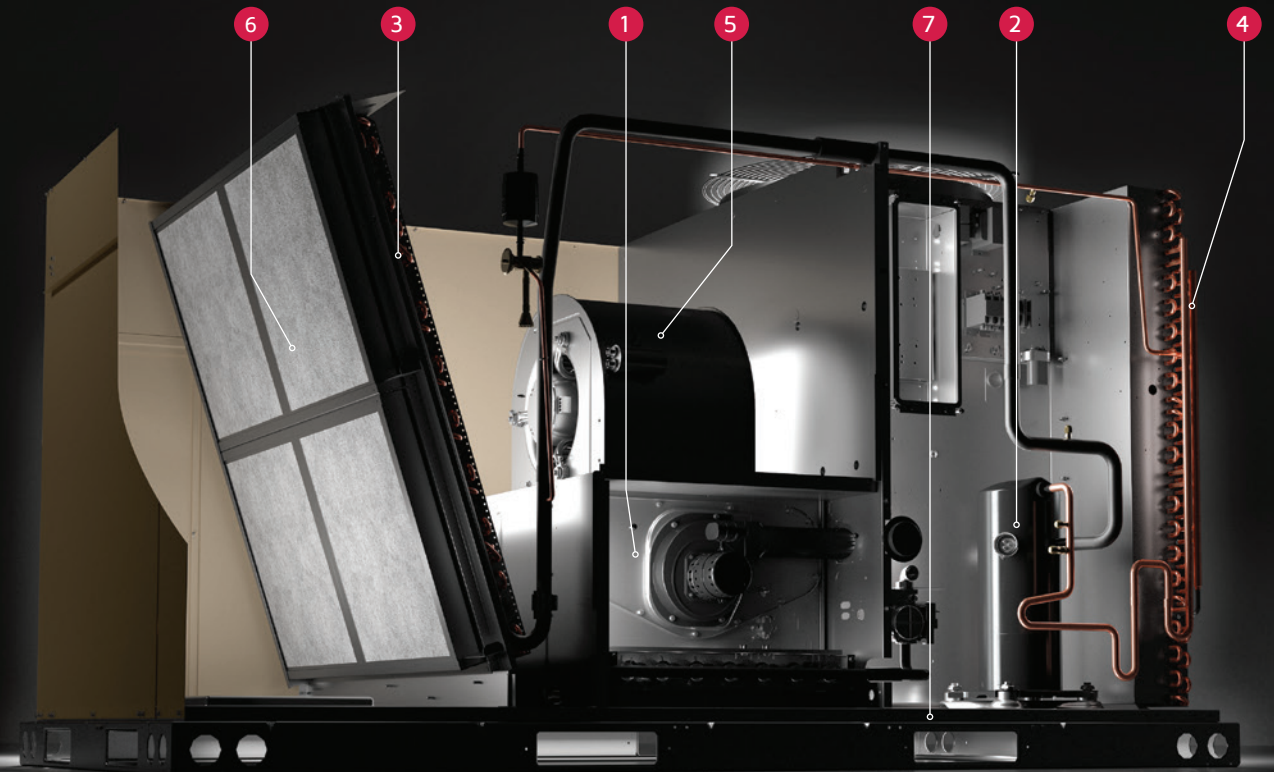
RELIABLE PERFORMANCE

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

• **Lennox® CORE Lite 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 the 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 and more comfortable indoor environment

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❶ Accessible Heating Compartment ❷ Isolated Compressor Compartment ❸ Humiditrol® Dehumidification System [optional - item is not shown]
❹ Environ™ Coil System [optional - item is not shown] ❺ Slide-out Blower ❻ Easy Filter Access ❼ Fully Insulated Base Pan [item is not shown]
❽ CORE Lite Controller [Item is not shown]

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, 15.0 IEER, and 11.5 EER2	More than 100 field-selectable options to 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

*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.

THE LENNOX®
CORE SERVICE APP

Easy Setup and Seamless Integration

The Lennox® CORE Service App replaces a traditional built-in user interface on the CORE Unit Controller 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. The app also facilitates seamless commissioning of wireless sensors and sensor networks compatible with the CORE Control System.

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

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 RefrigerantDetection 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

OPEN INTEGRATION

The Lennox® CORE Control System empowers customers to choose their building controls, allowing simple or tailored operation.
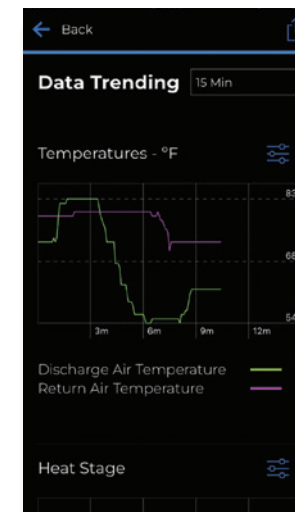
- **Building Management Integration** through standard network protocols such as BACnet and LonWorks* allows custom monitoring and control while maintaining backwards compatibility with legacy systems
- **Multiple Control Options** such as traditional thermostats, wired or wireless* room sensors, and 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
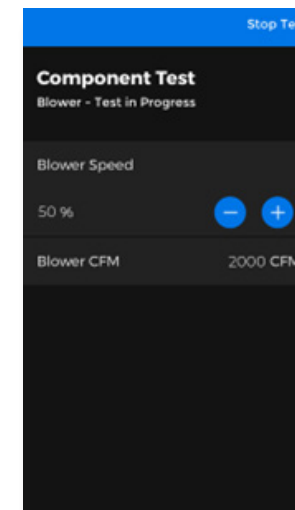
EFFICIENCY OPTIMIZATION

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

*Not available on CORE Lite.

REAL-TIME DATA READOUTS

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

GUIDED SETUP

Guided setup with progress indicators, detailed help and exportable summaries drives simple and trouble-free setup, reducing commissioning times over similar systems.

BE A PART OF THE ROOFTOP

REVOLUTION

BY CONTACTING YOUR

SALES
REPRESENTATIVE

TODAY

To view the full commercial product lineup,
visit lennoxcommercial.com