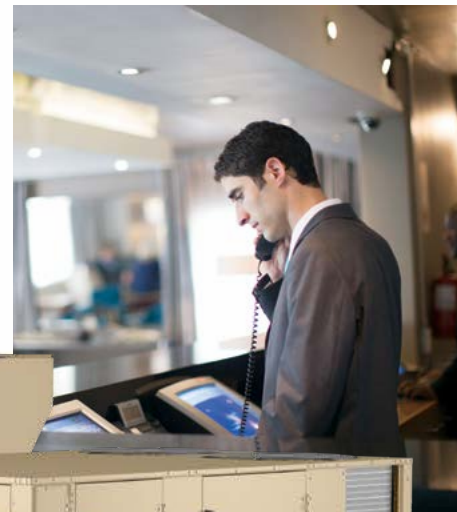


ENLIGHT

LENNOX COMMERCIAL SERIES

ENLIGHT™ ROOFTOP UNITS



APPLICATION FLEXIBILITY, INTELLIGENT OPERATION

LENNOX

THE ENLIGHT™ FAMILY OF ROOFTOP
UNITS DELIVERS ON ALL FRONTS.



LENNOX COMMERCIAL ENLIGHT™ ROOFTOP UNITS

At Lennox, we're committed to building innovative products that save energy costs and reduce operating expenses. The Enlight™ high-efficiency rooftop units feature the Lennox® CORE Control System and extensive CTO options to deliver premium performance and unmatched flexibility for every need. Our energy efficient and sustainable designs create a bright future while still providing the most service-friendly unit in the industry. The exclusive Lennox® CORE Control System utilizes optional wireless sensors, a mobile service app, and a built-in wireless gateway to deliver the lowest total cost of ownership.

The Enlight™ rooftop line features efficiency ratings up to 18.0 SEER, 17.0 IEER, and 13.3 EER.



Lennox' energy efficient and sustainable rooftop units create a bright future while still providing the most service-friendly unit in the industry.

The Enlight™ high-efficiency rooftop units deliver on our brand promise to be the highest quality, most innovative HVAC solutions provider. Our Environ™ Coil technology and full line of high-efficiency heat pumps provide a path to a more sustainable future.



APPLICATION FLEXIBILITY

The Enlight™ lineup gives you the flexibility to choose exactly the right configuration for your application.

- **Comprehensive product line** consisting of 3-25 ton gas-electric and electric-electric, and 2-20 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



SUSTAINABLE BY DESIGN

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

- **Energy-saving efficiency ratings** of up to 18.0 SEER, 17.0 IEER, and 13.3 EER 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 gas compartment which further reduce service time

ENLIGHT™ HIGHLIGHTS:

3 to 25 ton gas/electric and electric/electric units
2 to 20 ton heat pump and dual fuel units

Up to 18.0 SEER, 17.0 IEER, and 13.3 EER



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

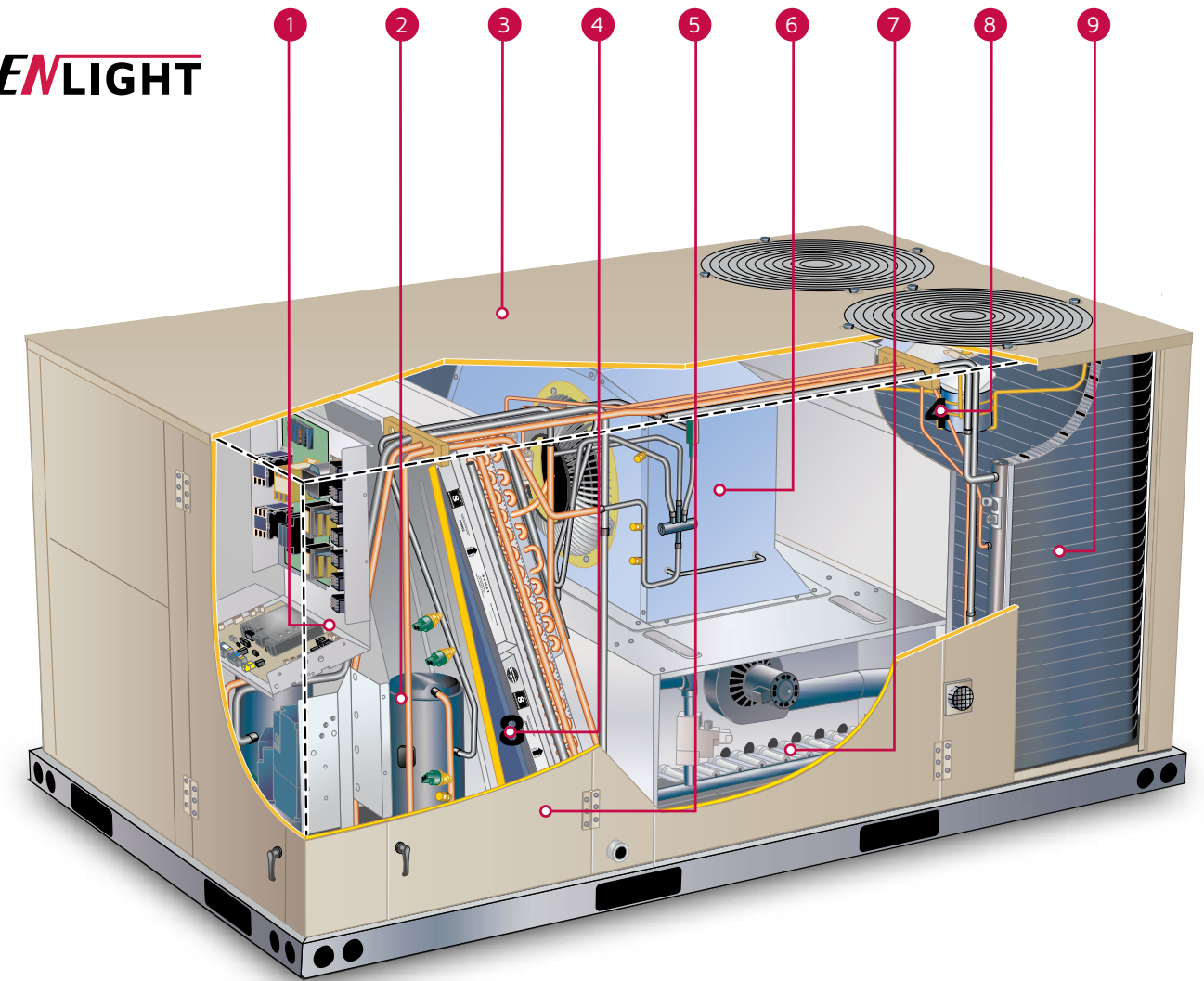


ENERGY STAR® certified units



Financing available through www.lennoxleasing.com

ENLIGHT



- 1 Lennox® CORE Control System**
 - Standard on every Enlight™ rooftop unit
 - Provides guided setup menus for install, test and balance, and network integration
- 2 Scroll Compressors**
 - Two-Stage Scroll Compressor (3 to 6 tons)
 - Individual Refrigerant Circuits, Scroll (2) Compressors (6.5 to 13 tons)
 - (3) Compressors (15 tons)
 - (4) Compressors (17.5 to 25 tons)
- 3 Heavy Gauge Steel Cabinet**
 - Cyclic salt fog and UV exposure up to 1,680 hours per ASTM D5894
- 4 Air Filters**
 - Improve filtration with optional MERV 13 and 16 filters which are proven to be more effective at trapping particulates in the air
- 5 Hinged Access Panels**
 - Provide quick access to components and protect panels and roof from damage during servicing
- 6 DirectPlus™ Direct Drive ECM Blower System**
 - Eliminates maintenance and service costs associated with traditional belt-drive motors
- 7 Heat Exchanger/ inshot Burners**
 - Tubular construction, aluminized steel
 - Life-cycle tested
- 8 Outdoor Coil Fan Motors**
 - Thermal overload protected
 - Totally enclosed
 - Permanently lubricated ball bearings
 - Shaft up
 - Wire basket mount
- 9 Environ™ Coil System**
 - All aluminum brazed fin construction, which is up to 59% lighter. Contains up to 52% less refrigerant and has as much as 20% fewer brazed connections

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



Providing exceptional performance and efficiency, the Lennox® CORE Control System featured on Model L and Enlight rooftop units utilize optional wireless sensors, a mobile service app and a built-in wireless gateway to deliver the lowest cost of ownership.

THE LENNOX® CORE SERVICE APP MAKES SERVICING SIMPLE

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 Control System reinvents the service process in the palm of your hand with a wireless mobile service app, making setup and service faster than ever before.

- **Guided Setup** with progress indicators, detailed help, and exportable summaries drive simple and trouble-free setup, **reducing commissioning times** over similar systems.
- **Enhanced Test Functionality** provides real-time sensor readings, trending, and reports that enable easy troubleshooting
- **Multiple Device Support** for Android and iOS on both phones and tablets lets you experience the Lennox® CORE Service App on the device you are comfortable with



OPEN INTEGRATION

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

- **Multi-protocol Support** including standard BACnet® IP & MS/TP allows custom monitoring and control while maintaining backwards compatibility
- **Wireless Sensor Support** with no additional gateways reduces installation cost of both retrofits and new installations
- **Device Encryption and Firmware Validation** are engineered to Federal Information Processing Standard 140-2 guidelines and provide peace of mind without sacrificing functionality



RELIABLE PERFORMANCE

The Lennox® CORE Control System uses built-in algorithms to deliver key performance indicators and drive unit components simply and reliably.

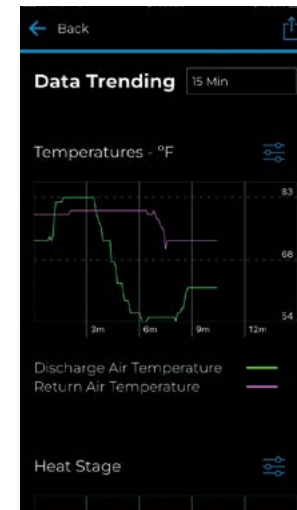
- **Intelligent Operation** optimizes comfort and unit reliability without complex configuration, saving time and delivering results
- **Integrated wireless gateway** provides a secure connection to optional wireless zone sensors and the Lennox® CORE Service App
- **Configurable Backup Modes** maintain unit operation and comfort during construction or external building control downtime



EFFICIENCY OPTIMIZATION

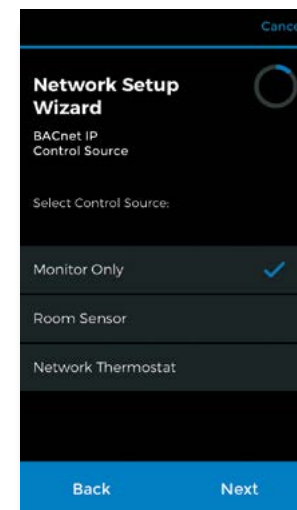
The Lennox® CORE Unit Controller optimizes unit operation in real-time by processing advanced sensor inputs, maximizing energy efficiency and space comfort.

- **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, allowing your organization to keep units running efficiently while reducing troubleshooting time
- **Configuration Parameters** drive tailored sequences of operation and make the CORE Unit Controller the most flexible Lennox has to offer



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.



Our Enlight™ rooftop units deliver energy savings and reduced operating expenses. They achieve efficiency ratings up to 18.0 SEER, 13.3 EER and 17.0 IEER to provide significant utility savings throughout the year. And each product is engineered with features designed to keep maintenance low and performance high, including:

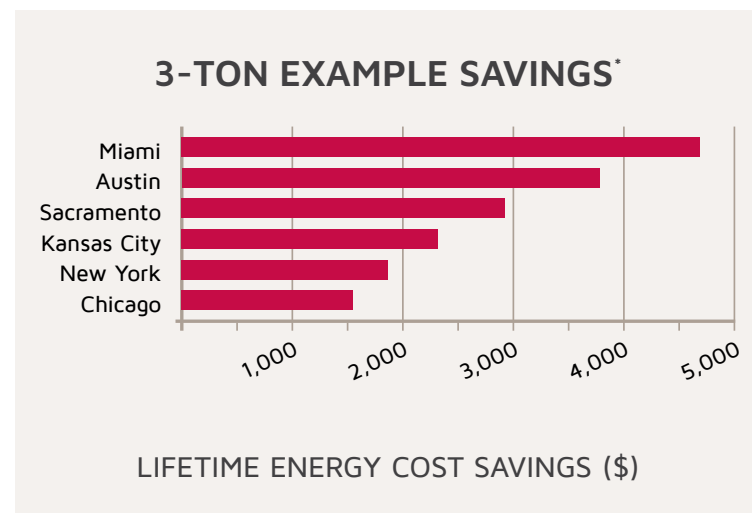
- Environ™ coil system maximizes reliability and sustainability
- Helps buildings qualify for the most LEED® points
- 15-Year Limited Warranty on stainless steel gas heat exchanger
- 10-Year Limited Warranty on aluminized gas heat exchanger
- 5-Year Limited Warranty on compressor
- 3-Year Limited Warranty on Lennox® CORE unit controller
- 3-Year Limited Warranty on Environ coil system
- 1-Year Limited Warranty on covered components

See warranty certificate for actual details.

Efficient by design

Enlight™ rooftop units exceed the latest U.S. Department of Energy minimum standards by as much as 38%. Compared to a less efficient unit, an Enlight rooftop unit can provide dramatic energy savings even as it delivers year-round comfort. Plus, a variety of optional enhancements are available to achieve even greater efficiency and performance benefits.

Part-load efficiency increased to exceed DOE 2023 minimums. Standard on Enlight rooftop units, the Environ coil and the patented MSAV® supply fan technology further optimize the Enlight unit's energy usage, as well as your HVAC investment.



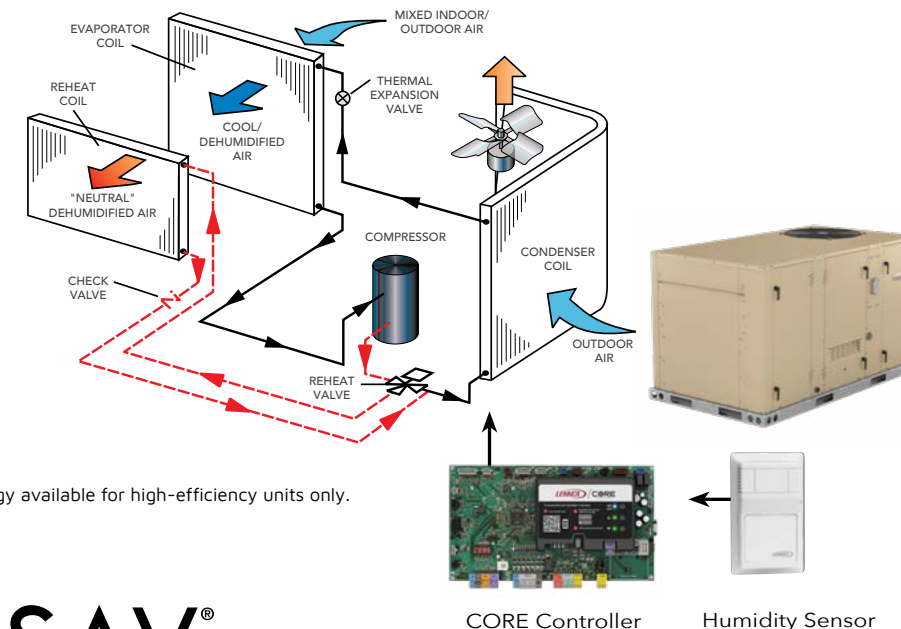
*Calculations based on Lennox' Total Cost of Ownership™ calculator, comparing 3-ton 18 SEER (12.3 EER) unit to a 3-ton 13 SEER (10.7 EER) unit at a retail facility (under 25,000 square feet) and a 10:00 a.m. to 10:00 p.m. operating schedule. Lifetime energy cost savings are calculated by multiplying annual energy costs by 15 years. Actual savings may vary depending on system settings, equipment maintenance, local weather, construction, installation of equipment, duct system, hours of operation, local fuel rates and other factors. This information is intended as an example for comparison purposes only.



Patented Dehumidification Technologies

Enlight™ units offer additional dehumidification technologies that deliver optimized comfort.

Enlight™ Rooftop units offer an additional Humiditrol® dehumidification system, which removes moisture based on humidity requirements rather than temperature, making it easy and efficient to create a better indoor environment.*



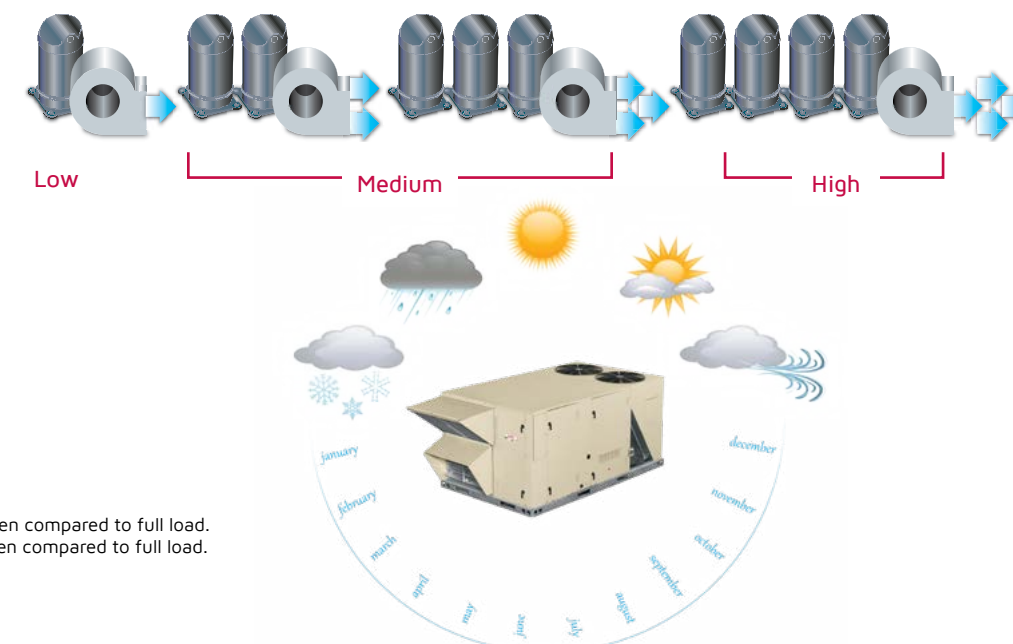
*Innovative Humiditrol technology available for high-efficiency units only.



MSAV® Technology

MSAV® provides significant year-round savings and lower monthly utility costs without compromising on comfort. With up to seven different airflow settings, the MSAV supply fan can easily adjust its speed in response to changing weather conditions, allowing the unit to operate at optimum efficiency and deliver many performance benefits.

- MSAV comes as standard on Enlight rooftop units
- Improved part-load efficiency: Up to 21% IEER improvement*
- Reduced energy consumption: Up to 75% supply fan power savings**
- Improved indoor comfort: Up to 29% better moisture removal*



*At 67% airflow when compared to full load.
**At 55% airflow when compared to full load.

ENLIGHT™	
COOLING	
Metering device	TXV
Indoor Coil Freeze Protection	Standard
High-pressure switch	Standard
Low-pressure switch	Standard
Filter driers	Standard
Corrosion protection	Factory
Condensate drain trap	Field
Drain pan overflow switch	Factory, Field
HEATING	
Bottom gas piping kit	Field
Low-temp vestibule heater	Field
LPG/Propane conversion kit	Field
Stainless steel heat exchanger	Factory
BLOWER/SUPPLY AIR	
MSAV® (Multi-Stage Air Volume)	Standard
VAV (Variable Air Volume)	Factory
VFD bypass for MSAV	Factory
CABINET	
Hinged panels	Standard
Coil/Hall guards	Factory, Field
CONTROLS	
Prodigy® control system	Standard
Blower proving switch	Factory, Field
Dirty filter switch	Factory, Field
BACnet® IP and MS/TP	Standard
LonTalk® gateway	Factory, Field
INDOOR AIR QUALITY	
High-efficiency filters	Factory, Field
UVC light	Field
Humiditrol® dehumidification system	Factory
Demand control ventilation ready	Standard
ELECTRICAL	
HACR circuit breakers	Factory
Phase/voltage detection (MSAV)	Factory
Disconnect switch	Factory, Field
GFI service outlet	Factory, Field
OUTDOOR AIR CONTROLS	
High-performance economizer	Factory, Field
Differential enthalpy control	Factory, Field
Sensible control	Factory, Field
Single enthalpy control	Factory, Field
Global control	Factory, Field
Barometric relief dampers	Factory, Field
Motorized outdoor air damper	Factory, Field
Manual outdoor air damper	Field
Power exhaust	Factory, Field
Fresh-air tempering	Factory, Field

NOMINAL TONNAGE	MODEL	COOLING DATA		GAS HEATING INPUTS (KBTUH)				PHYSICAL DATA		
		EER (EER2*)	SEER (SEER2*) OR IEER	LOW	STD.	MED.	HIGH	DIMENSIONS H X W X L [INCHES]	BASE UNIT WT. (LBS)	
GAS/ELECTRIC UNITS	3	LGTO36H4E	13.3 (13.0)	18.0 (16.9)	N/A	65	108	N/A	47 x 47 x 86	630
	4	LGTO48H4E	12.8 (12.1)	17.6 (17.3)	N/A	65	108	150	47 x 47 x 86	629
	5	LGTO60H4E	12.7 (12.0)	17.1 (16.3)	N/A	65	108	150	47 x 47 x 86	630
	6	LGTO72H4E	12.1	17.0	N/A	65	108	150	47 x 47 x 86	630
	7.5	LGTO92H4(E,P)	12.3	15.7 MSAV 14.6 VAV	N/A	130	180	240	47 x 61 x 102	1,168
	8.5	LGT102H4(E,P)	12.1	15.7 MSAV 14.6 VAV	N/A	130	180	240	47 x 61 x 102	1,175
	10	LGT120H4(E,P)	12.0	15.5 MSAV 14.6 VAV	N/A	130	180	240	47 x 61 x 102	1,210
	12.5	LGT150H4(E,P)	10.8	14.6 MSAV 14.0 VAV	N/A	130	180	240	47 x 61 x 102	1,226
	13	LGT156H4(M,V)	12.0	15.5 MSAV 15.0 VAV	169	260	360	N/A	55 x 92 x 104	1,935
	15	LGT180H4(M,V)	12.0	15.0 MSAV 14.8 VAV	169	260	360	480	55 x 92 x 133	2,115
	17.5	LGT210H4(M,V)	12.0	16.0 MSAV 15.5 VAV	169	260	360	480	55 x 92 x 133	2,240
	20	LGT240H4(M,V)	12.0	15.8 MSAV 15.5 VAV	N/A	260	360	480	55 x 92 x 133	2,325
25	LGT300S4(M,V)	10.6	14.5 MSAV 14.0 VAV	N/A	260	360	480	55 x 92 x 133	2,450	
ELECTRIC HEAT SIZES - [KW]										
ELECTRIC/ELECTRIC UNITS	3	LCT036H4E	13.3 (13.0)	18.0 (16.9)	7.5, 15				47 x 47 x 86	594
	4	LCT048H4E	12.8 (12.1)	17.6 (17.3)	7.5, 15				47 x 47 x 86	593
	5	LCT060H4E	12.7 (12.0)	17.1 (16.3)	7.5, 15, 22.5				47 x 47 x 86	594
	6	LCT072H4E	12.1	17.0	7.5, 15, 22.5, 30				47 x 47 x 86	594
	7.5	LCT092H4(E,P)	12.5	15.7 MSAV 14.8 VAV	7.5, 15, 22.5, 30, 45				47 x 61 x 102	1,120
	8.5	LCT102H4(E,P)	12.3	15.7 MSAV 14.8 VAV	7.5, 15, 22.5, 30, 45				47 x 61 x 102	1,127
	10	LCT120H4(E,P)	12.2	15.5 MSAV 14.8 VAV	15, 22.5, 30, 45, 60				47 x 61 x 102	1,162
	12.5	LCT150H4(E,P)	11.0	14.6 MSAV 14.2 VAV	15, 22.5, 30, 45, 60				47 x 61 x 102	1,178
	13	LCT156H4(M,V)	12.0	15.7 MSAV 15.2 VAV	15, 30, 45, 60				55 x 92 x 104	1,785
	15	LCT180H4(M,V)	12.0	15.0 MSAV 14.8 VAV	15, 30, 45, 60				55 x 92 x 133	1,965
	17.5	LCT210H4(M,V)	12.0	16.0 MSAV 15.5 VAV	15, 30, 45, 60, 90				55 x 92 x 133	2,090
	20	LCT240H4(M,V)	12.0	15.8 MSAV 15.5 VAV	15, 30, 45, 60, 90				55 x 92 x 133	2,175
25	LCT300S4(M,V)	10.6	14.5 MSAV 14.0 VAV	15, 30, 45, 60, 90				55 x 92 x 133	2,300	
NOMINAL TONNAGE	MODEL	COOLING DATA		HEATING PERFORMANCE				PHYSICAL DATA		
		EER (EER2*)	SEER (SEER2*) OR IEER	HSPF (HSPF2*)	COP 47°F	COP 17°F	ELECTRIC HEAT [KW]	DIMENSIONS H X W X L [INCHES]	BASE UNIT WT. (LBS)	
HEAT PUMP	2	LHT024H4E	(11.0)	(15.2)	(7.95)	N/A	N/A	5 - 10	47 x 47 x 86	646
	3	LHT036H4E	12.7 (12.0)	16.5 (15.8)	8.5 (8.1)	3.7	2.5	7.5 - 15	47 x 47 x 86	645
	4	LHT048H4E	12.8 (12.0)	16.1 (15.6)	8.5 (8.0)	3.9	3.0	7.5 - 22.5	47 x 47 x 86	641
	5	LHT060H4E	12.2 (11.4)	16.1 (15.5)	8.4 (8.2)	3.7	3.8	7.5 - 22.5	47 x 47 x 86	686
	6.5	LHT078H4E	12.4	16.0	N/A	3.5	2.25	7.5 - 45	47 x 61 x 102	1,073
	7.5	LHT092H4E	12.1	15.5	N/A	3.5	2.25	7.5 - 45	47 x 61 x 102	1,073
	8.5	LHT102H4E	12.1	15.5	N/A	3.5	2.25	7.5 - 45	47 x 61 x 102	1,075
	10	LHT122H4E	12.1	15.5	N/A	3.5	2.25	15 - 60	47 x 61 x 125	1,216
	12.5	LHT150H4E	11.0	14.1	N/A	3.4	2.1	15 - 60	47 x 61 x 125	1,216
	13	LHT156H4M	12.1	15.5	N/A	3.4	2.1	15 - 60	55 x 92 x 133	2,198
	15	LHT180H4M	11.1	15.5	N/A	3.4	2.1	15 - 60	55 x 92 x 133	2,226
	20	LHT240H4M	10.9	15.5	N/A	3.4	2.1	15 - 90	55 x 92 x 133	2,268
DUAL FUEL HEAT PUMP	NOMINAL TONNAGE	MODEL	EER (EER2*)	SEER (SEER2*) OR IEER	HSPF (HSPF2*)	COP 47°F	COP 17°F	GAS HEAT [KBTUH]	PHYSICAL DATA	
									DIMENSIONS H X W X L [INCHES]	BASE UNIT WT. (LBS)
	2	LDT024H4E	(11.0)	(15.2)	(7.3)	N/A	N/A	65	47 x 47 x 86	675
	3	LDT036H4E	12.7 (12.0)	16.5 (15.8)	16.5 (15.8)	3.7	2.5	65, 108	47 x 47 x 86	674
	4	LDT048H4E	12.8 (12.0)	16.1 (15.6)	16.1 (15.6)	3.9	3.0	65, 108, 150	47 x 47 x 86	670
	5	LDT060H4E	12.2 (11.4)	16.1 (15.5)	16.1 (15.5)	3.7	3.8	65, 108, 150	47 x 47 x 86	715
	6.5	LDT078H4E	12.2	16.0	N/A	3.5	2.25	130, 180	47 x 61 x 102	1,121
	7.5	LDT092H4E	11.9	15.5	N/A	3.5	2.25	130, 180, 240	47 x 61 x 102	1,121
	8.5	LDT102H4E	11.9	15.5	N/A	3.5	2.25	130, 180, 240	47 x 61 x 102	1,123
	10	LDT122H4E	11.9	15.5	N/A	3.5	2.25	130, 180, 240	47 x 61 x 125	1,264
	12.5	LDT150H4E	10.8	14.1	N/A	3.4	2.1	130, 180, 240	47 x 61 x 125	1,264
	13	LDT156H4M	11.9	15.3	N/A	3.4	2.1	260, 360	55 x 92 x 133	2,348
15	LDT180H4M	10.9	15.3	N/A	3.4	2.1	260, 360, 480	55 x 92 x 133	2,376	
20	LDT240H4M	10.7	15.3	N/A	3.4	2.1	260, 360, 480	55 x 92 x 133	2,418	

SOLUTIONS FOR CUSTOMIZED COMFORT

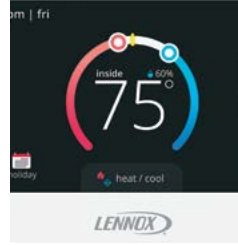
Don't just choose a Lennox product—choose a Lennox® Commercial Comfort System.

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



PACKAGED UNITS

- Model L™ Rooftop Units
- Enlight™ Rooftop Units
- Xion™ Rooftop Units
- LRP14 Rooftop Units
- Raider® Rooftop Units
- Energence® Rooftop Units



COMMERCIAL CONTROLS

- Lennox® CORE Control System
- Prodigy® Control System
- Commercial Thermostats and Sensors



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



INDOOR AIR QUALITY

- Humiditrol® Dehumidification System
- Demand Control Ventilation
- High Efficiency MERV Filters
- UVC Lamps
- Needle Point Bipolar Ionizers



SPLIT SYSTEMS

- Elite® Series Large and Small Split Systems
- Merit Series Small Split Systems
- Air Handlers
- Indoor Coils



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