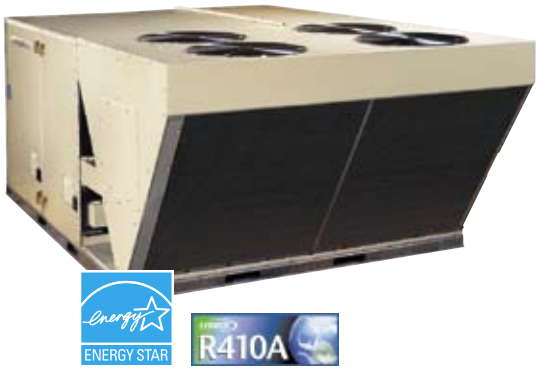
L SERIES®

Commercial Packaged
Rooftop Units



LG/LC/LH Models

Designed to achieve a low
total cost of ownership

LENNOX

Innovation never felt so good.™

MAXIMUM PERFORMANCE TO ACHIEVE A LOW TOTAL COST OF OWNERSHIP

L Series® rooftop units at a glance:

Reduce energy costs with high-efficiency ENERGY STAR® qualified and standard-efficiency ASHRAE 90.1-2004 compliant units

*The most energy-efficient commercial variable-air-volume unit**

Humiditrol® dehumidification system improves indoor air quality for customers and employees

Multiple cooling and heating stages, variable-air-volume option and an integrated DDC control improve comfort and reduce costs

Hinged access panels, a slide-out blower and straight condenser coils help reduce maintenance costs

A wide range of factory-installed and -tested options means faster installation and reliable start-up

Engineered for durability with high-quality materials and components

Common replacement parts minimize the number of stocked parts

High- and low-static airflow capabilities meet the tough demands of replacement and remodeling jobs

Efficiency Rating

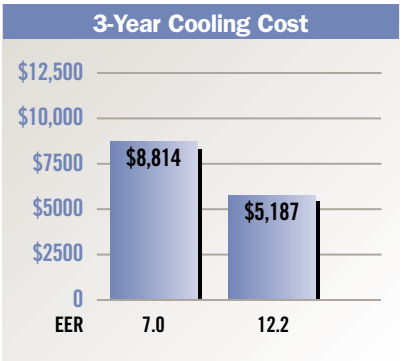
Up to 13.50 SEER, up to 12.2 EER and up to 14.7 IPLV

Warranty

15-Year Limited Warranty
on stainless steel heat exchanger
10-Year Limited Warranty
on aluminized steel gas heat exchanger
5-Year Limited Warranty
on compressor
3-Year Limited Warranty
on Integrated Modular Controller
1-Year Limited Warranty
on covered components
See actual warranty certificate for details.

Designed to achieve a low total cost of ownership

Save time and money with the L Series® line of commercial rooftop units from Lennox. Designed to achieve a low total cost of ownership, their reliable construction and innovative features keep buildings comfortable while helping lower energy bills, reducing the cost of installation and minimizing maintenance expenses. High-efficiency units meet or exceed ENERGY STAR® guidelines, while options and accessories such as premium-efficiency supply fan motors, economizers and energy recovery wheels improve efficiency even more. The variable-air-volume units feature up to 12.2 EER and 14.7 IPLV and are the most energy efficient in the industry.*



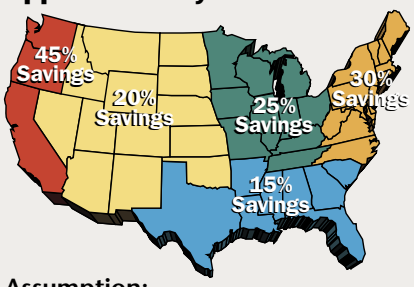
Illustrates the low 3-year cooling costs you can expect from a 13-ton LG rooftop unit versus a unit with lower efficiency ratings. Actual savings may vary depending on system settings, equipment maintenance, local weather, actual construction, installation of equipment, duct system, hours of operation, local fuel rates and other factors. Savings were calculated using a national average electric rate.

Building type: Retail
City: Kansas City
Software: Lennox Total Cost of Ownership™ Calculator, version 1.0.9

SLASH ENERGY COSTS

Installing units with economizers helps save energy by allowing outdoor air to be used for cooling.

Approximate by Location



Assumption:
50°F Balance Point
12-Hr. Occupied Period

Lennox is built to last

Every L Series product is engineered for durability and is backed with a long-lasting warranty. High-quality components include a heavy-gauge galvanized steel cabinet with a two-layer paint finish and scroll compressors. Safety switches and Lennox' exclusive "Strike-Three" diagnostics protect the system's critical components against catastrophic failure, protecting businesses against high replacement costs.

ENERGY STAR

Choose ENERGY STAR® qualified products to reduce energy spending and conserve natural resources. Lennox has developed a wide range of products that meet ENERGY STAR guidelines for energy efficiency. Proper sizing and installation of equipment are critical to achieve optimal performance. Must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor for details, or visit www.energystar.gov.

**Commercial gas/electric or electric/electric single-packaged rooftop units, variable air volume, 21-ton (248,000 Btuh) to 30-ton (336,000 Btuh) units. Efficiency ratings established per ARI's test standard: 340/360 95°F outdoor temperature and 80°F dB/67°F wb entering evaporator coil air. Claim pertains to EER rating for LCA248H2VS1Y unit. Established through review of competitive literature available to the general public in August 2007.*

Lennox creates a better, more efficient environment

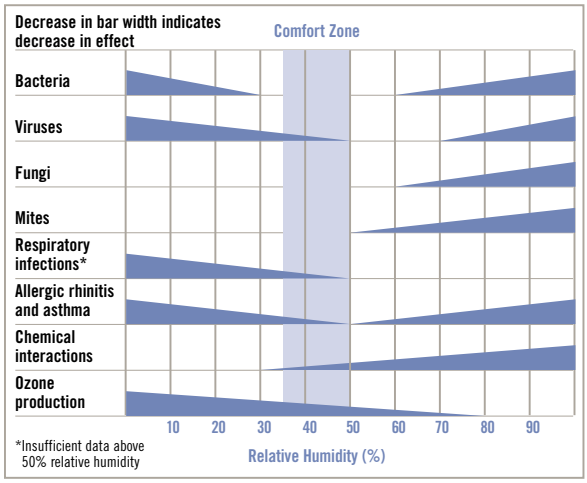
Improving a building's indoor air quality (IAQ) creates a better indoor environment to help protect a company's productivity and profitability. Lennox offers a wide range of IAQ options for L Series units, including the groundbreaking Humiditrol® dehumidification system that removes moisture based on relative humidity levels without affecting room temperature, unlike temperature-controlled systems.

Control the spread of allergens while meeting temperature and humidity control needs

Controlling humidity can have an important impact on controlling productivity and profits. The Humiditrol dehumidification system was designed to do much more to improve the indoor environment than other humidity control systems.

- **It removes humidity better than comparable systems,** removing up to eight times more moisture than other rooftop units.*
- The system **controls humidity without overcooling rooms,** due to its patented hot gas reheat technology. Other systems use a thermostat to initiate moisture removal, which means they can't work effectively on days when the temperature is mild. Lennox' design initiates dehumidification based on a humidity set point instead of a temperature set point.
- The Humiditrol system **inhibits mold and bacteria growth** by reducing excess moisture, helping control the spread of allergens. Airborne contaminants can affect employee productivity and are linked to absenteeism and long-term health problems.

OPTIMAL COMFORT ZONE

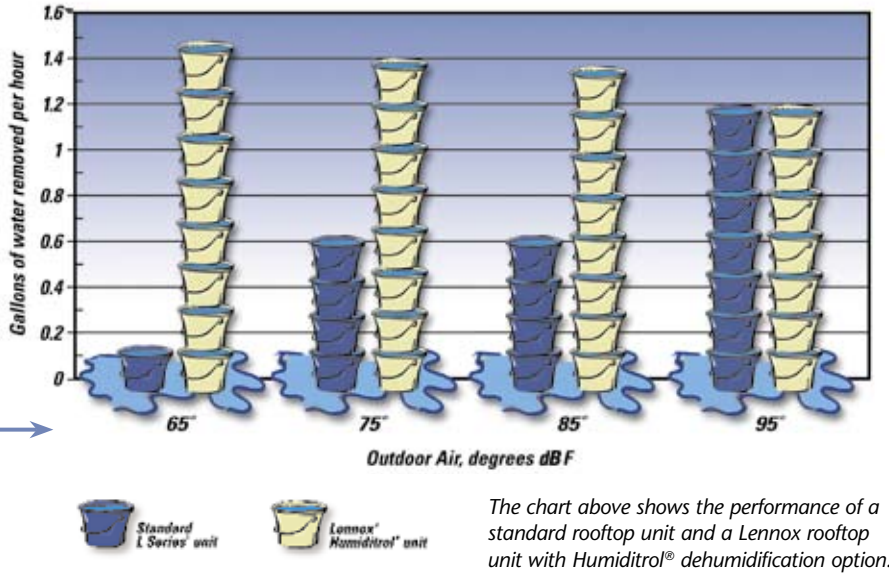


Source: ASHRAE, adapted from Sterling et al., 1985

COMPARATIVE MAXIMUM MOISTURE REMOVAL

Nominal 3-ton unit @ 1,050 CFM and entering air temperature at 80°/67°F

The Humiditrol® system removes up to **8 times** more moisture than standard rooftop units!*



The chart above shows the performance of a standard rooftop unit and a Lennox rooftop unit with Humiditrol® dehumidification option.

**At 65°F, Lennox' Humiditrol system removes more than 1.44 gallons of water per hour.*

Lower installation, operation and maintenance costs

From the day they're installed, L Series® units pay off with savings. Factory-installed and -tested options reduce field labor costs and help to assure reliable start-up and operation. Time-saving features, including hinged access panels, slide-out supply fans and straight outdoor coils, reduce maintenance costs, while common replacement parts reduce required inventory.

Day after day, the Integrated Modular Controller (IMC) digitally controls the unit for efficient operation and optimal comfort. Its extensive diagnostics speed troubleshooting by pinpointing the problem right down to the failed component, reducing repair expenses. In addition, its exclusive "Strike-Three" safety logic protects critical components by shutting them down after the third strike or safety trip. This protects a part from further damage, typically allowing a repair rather than an expensive replacement.

INDOOR AIR QUALITY PRODUCTIVITY COSTS

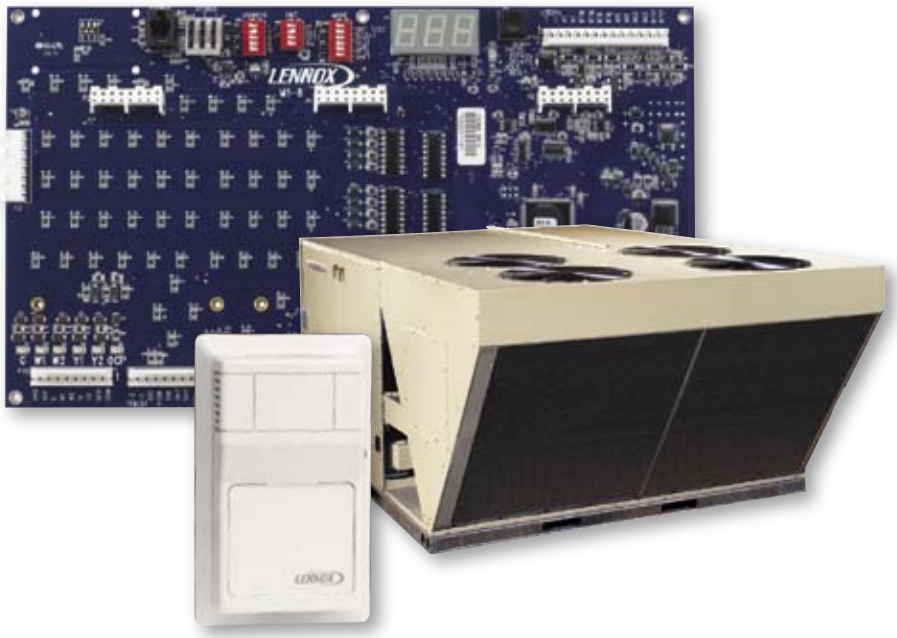
Estimated number of employees	65
Salary cost (per average employee)	$30,000
Total staff (yearly)	$1,950,000
Productivity losses due to poor thermal comfort, absenteeism, comfort, etc. (average %)	**3%**
TOTAL LOST PRODUCTIVITY	**$58,500**

Information from "Humidity Control, IAQ and You," Engineered Systems *magazine.*

Customized IAQ for more applications

Other components compatible with L Series units provide added IAQ control, with many also designed to help reduce energy needs.

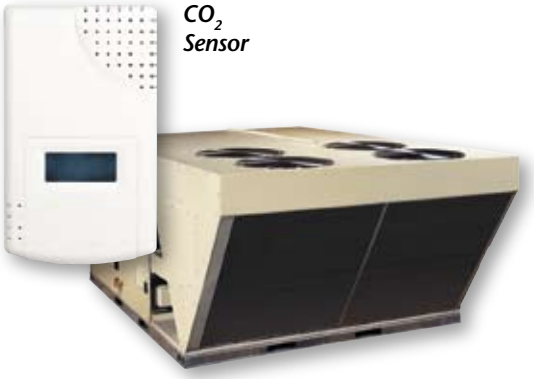
The **Humiditrol® dehumidification system** efficiently maintains ASHRAE 62-2001 fresh-air requirements while controlling room humidity levels. With only three additional components to the standard rooftop unit, the Humiditrol dehumidification system is reliable humidity control that's an excellent investment in company productivity.



Energy Recovery Systems use recycled energy to condition outdoor air before it enters the building. This simple bolt-on option takes care of fresh-air needs while improving energy efficiency and lowering peak energy demand.

Energy Recovery System

Demand Control Ventilation controls ventilation based on the actual occupancy of a room, gauging numbers by using a CO_2 sensor to measure carbon-dioxide levels. The accuracy of its gear-driven dampers introduces only as much fresh air as is really needed for more precise energy control.



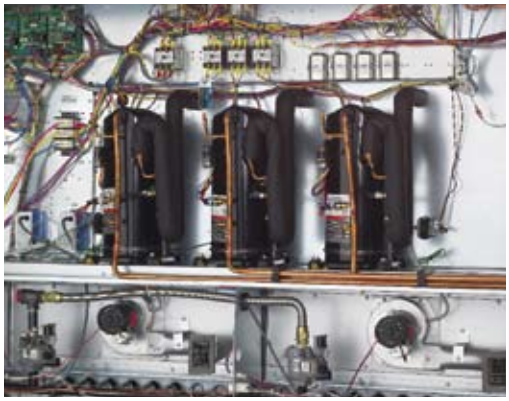
CO_2 Sensor

Rooftop Unit

High-efficiency MERV 15 air filters exceed the minimum requirements set forth by the Leadership in Energy and Environmental Design (LEED,) removing 85% to 95% of particles 0.3 to 1.0 micron in size and up to 90% of particles 1.0 to 10.0 microns. They help improve indoor air quality by reducing concentrations of respirable dust, tobacco smoke, bacteria and mold.

Air Filters

The **multiple-compressor configuration** adjusts the amount of heating and cooling for precise comfort control, eliminating temperature swings and improving efficiency by using only as much cooling as required.



Isolated Compressor Compartments

Increase control with the Integrated Modular Controller

An excellent feature of L Series® rooftop units, the IMC premium rooftop unit control system from Lennox provides superior flexibility for applications from zoning to systems integration.

The modular design can be customized with a wide range of add-on boards and more than 200 configuration parameters. More than 100 diagnostic readouts and alarms signal exactly what's happening within a rooftop unit. The extra information and flexibility help improve comfort control, increase equipment efficiencies and minimize maintenance costs.

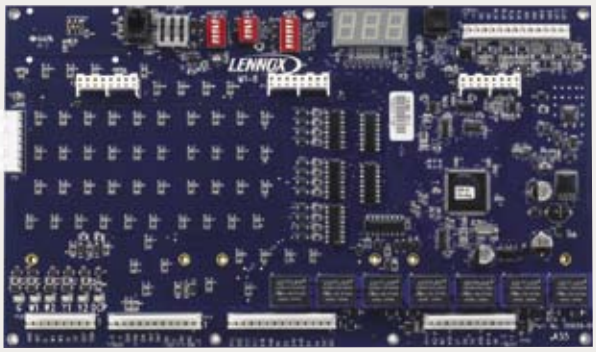
The IMC's unique features set it apart from other direct digital controllers. When paired with a Lennox® premium rooftop unit, it creates a system unlike any other.

IT'S A TRULY MODULAR SYSTEM

The IMC is a powerful controller that enhances the standard features on premium Lennox rooftop units. Yet with application-specific add-on modules, the IMC provides even more powerful control for specific, customized applications.

Add-on modules allow configuration, control, feedback and diagnostics for:

- Outdoor air motorized dampers or economizers with power exhaust control, including demand control ventilation
  - Now it's possible to bring in sufficient outside air for a comfortable, healthy environment without exceeding energy budgets.
- Constant-volume bypass or variable-volume rooftop control
  - Count on zoning that meets your terms by using a premium L Series rooftop unit with variable-frequency drive to minimize lifecycle costs, or a constant-volume unit with bypass to keep initial equipment costs in check.
- Humiditrol® hot gas reheat
  - Dramatically reduce humidity by first cooling and dehumidifying the supply air, then recycle hot refrigerant gas from a compressor to reheat dry air to a comfortable supply temperature.
- Four-stage control inputs from third-party DDC controllers or thermostats
  - Allow a thermostat or third-party DDC controller to individually control up to four separate compressors and heating stages.*



Integrated Modular Controller

- Interoperability via BACnet® or LonTalk® protocols
  - Communicate using the BACnet Application Specific Controller device profile, LonMark® Space Comfort Controller functional profile or LonMark Discharge Air Controller functional profile.
- Additional compressors, gas valves, electric heat and fans in large units
- Reversing valves in heat pump units

**Thermostat or controller must provide individual staging commands. Not required to achieve four stages when IMC is configured for zone sensor or discharge air control.*

LonTalk and LonMark are registered trademarks of the Echelon Corporation. BACnet is a registered trademark of the American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE).

Have more control from more places

Make configuration changes and check diagnostics through an LED interface, or from a remote location using PC software. Lennox' Unit Controller software makes it easy to determine how a unit has been configured and make changes, whether you're at the unit or across the country. The software also gives access to detailed diagnostic information for quick, easy troubleshooting.

For remote access, Lennox offers a modem pre-configured to work specifically with the IMC. Get access from a computer with the Unit Controller Software and a modem to dial out. Lennox' Ethernet converter gives the option of accessing Lennox equipment over an Ethernet local area network (LAN) or via the Internet.* Wherever you are, you can still be in control.

Unit Controller Software

Ethernet Converter

Modem

Raise the level of control with more than one IMC

With more than one IMC on a project, create an even more powerful system by linking them together via the L Connection® Network.

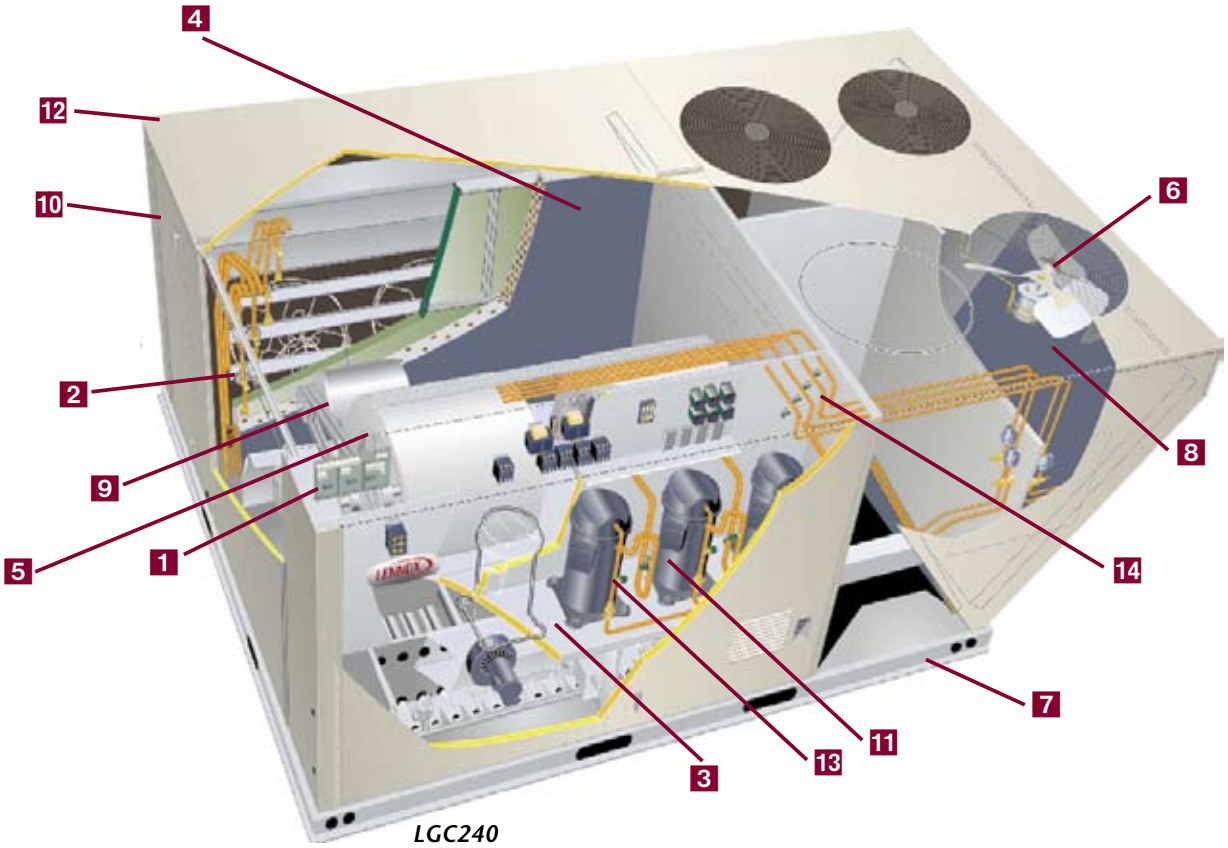
Adding a Network Control Panel (NCP) interface makes it easy to monitor and control one or an entire network of rooftop units without having to go to the roof. The L Connection Network adds scheduling capability and access to every unit on the network through a single NCP panel or software interface. With new zoning capabilities, it can control zone dampers or fan-powered terminal boxes. It can even control other Lennox and electromechanically controlled third-party rooftop units or split systems, as well as a range of building functions such as lighting or exhaust fans.

Network Control Panel

Comfort Sensor

**Requires access to Ethernet local area network via the Internet.*

SUPERIOR ENGINEERING AND DURABLE DESIGN HELP ACHIEVE A LOW TOTAL COST OF OWNERSHIP



LGC240

Application solutions for better unit control and efficient operation

1 **Integrated Modular Controller**—Provides centralized control and fast, simple troubleshooting to reduce service cost and improve performance.

2 **Thermostatic Expansion Valves**—Provide peak cooling performance across the entire application range for better comfort.

3 **Multiple Compressors**—Allow the unit to provide efficient cooling with four-stage cooling capability.

4 **Humiditrol® Dehumidification System (not shown)**—Helps control humidity levels, improving comfort and IAQ.

5 **Variable-Frequency Drives (not shown)**—Provide variable-air-volume unit operation to meet a variety of zoning system needs.

Quick, easy installation and maintenance

6 **Independent Motor Mount**—Allows for easy, efficient access without removing top panel.

7 **Full-Perimeter Base Rail**—Provides greater structural integrity, so the unit is easier to handle when rigging and transporting.

8 **Slab Coil**—Permits faster, more thorough coil cleaning.

9 **Slide-Out Blower Deck**—Improves access for belt, blower and motor, reducing maintenance time.

10 **Hinged Toolless Access Panels**—Provide quick access to components and protect panels and roof from damage during servicing.

11 **Isolated Compressor Compartment**—Allows performance check during normal compressor operation without disrupting airflow.

Reliable performance

12 **Corrosion-Resistant Cabinet**—Galvanized steel cabinet under a two-layer painted surface protects against rust and corrosion.

13 **High- and Low-Pressure Switches**—Safeguard compressor from extreme operating conditions and unnecessary wear and tear.

14 **Low-Ambient Switches**—Protect the cooling system during mild weather operation by cycling the outdoor fans as needed to prevent freezeup of the indoor coil.

IMPROVED COMFORT, EFFICIENCY AND CONTROL

The most energy-efficient commercial variable-air-volume rooftop unit you can buy

L Series® units are now available with a super-efficient Variable Air Volume (VAV) option to provide precise amounts of heating and cooling for better comfort control. The VAV system can provide customized comfort for each of a building's individual zones.

By varying the volume of air delivered as the temperature load changes, the VAV system costs less to operate because it moves only the amount of air needed to achieve the desired temperature.

Power exhaust fans

Modulating high-static power exhaust fans are available on 21- to 30-ton gas/electric and electric/electric units.

These 100% modulating high-static power exhaust fans precisely control building pressurization for improved comfort, improved efficiency.

3 MORE WAYS TO IMPROVE EFFICIENCY

1. First choose optional high-efficiency supply fan motors.
2. Next, select the CO_2 sensor with economizer to provide both free cooling and demand control ventilation.
3. Finally, select an Energy Recovery System with a patented pivoting wheel to maintain free cooling savings and reduce energy losses from outside air ventilation.

OPTIONS AND ACCESSORIES

Factory-Installed Options for Fast Installation

For a quick, built-to-order solution, L Series units can be built and tested at the factory to exact specifications in a few weeks, not months.

- Humiditrol® dehumidification system
- R-22 or R-410A refrigerant
- Low- or high-static motors and drives
- High-efficiency supply fan motors
- Coil corrosion protection
- Refrigerant service valves
- Stainless steel heat exchanger
- HACR breakers
- Variable-frequency drives on supply fan (select models)
- Variable-air-volume bypass (select models
- Systems integration with BACnet® or LonTalk® protocols
- Novar integration (requires Novar system gateway device)
- CPC integration (requires CPC system gateway device))

Field-Installed Accessories for Fast Replacement

L Series units include plug connections for wiring, panel knock-outs and pre-installed accessory framing, allowing you to choose a stock unit and quickly install accessories for those fast-track replacement jobs.

- Standard and high-static power exhaust fans (select models)
- Energy recovery systems (wheels)
- 14", 18" and 24" curbs
- Combustion air intake and exhaust extensions
- LPG conversion
- Coil guards
- Hail guards
- Humidity sensor
- CO_2 sensor
- Temperature sensor
- UVC germicidal lamp

Factory Options or Field Accessories

Choose to have these options installed in the field or at the factory for maximum flexibility in time and costs for jobs.

- Economizers
- Outdoor air dampers
- Disconnects
- GFIs
- Barometric relief dampers
- Standard power exhaust fans (select models)
- Supply and return smoke detectors
- Dirty filter switch
- MERV 8 air filters
- MERV 11 air filters
- MERV 15 air filters
- Fresh air tempering
- Novar® ETM 2051 DDC

L SERIES® R-22 UNIT PERFORMANCE SPECIFICATIONS

			COOLING DATA					HEATING INPUT				AIR FLOW RANGE				PHYSICAL DATA	
	Nom. Ton	Model	Gross Cap [Btuh]	ARI Rated Net Cap [Btuh]	ARI Rated CFM	Full Load [EER]	Part Load [SEER or IPLV]	Low	Stand.	Med.	High	CFM Min. Cool	CFM Min. Heat	CFM Max.	Static [in wc]	Dim. HxWxD [inches]	Ship Wt. Base [lbs]
GAS/ELECTRIC	3	LGA036H2B	37,600	36,400	1,200	11.2	13.00	—	78,000	—	—	840	1,050	1,440	.20-1.8	37 x 45 x 86	786
	3.5	LGA042H2B	44,800	43,500	1,370	11.3	13.00	—	78,000	—	125,000	980	1,050-1,320	1,680	.20-1.8	37 x 45 x 86	786
	4	LGA048H2B	50,500	49,000	1,450	11.3	13.25	—	78,000	—	125,000	1,120	1,050-1,320	1,920	.20-1.8	37 x 45 x 86	850
	5	LGA060H2B	63,000	61,000	2,000	11.0	13.00	—	78,000	—	125,000	1,400	1,050-1,320	2,400	.20-1.8	37 x 45 x 86	860
	6	LGA072H2B	74,000	71,000	2,100	10.5	—	—	78,000	—	125,000	1,680	1,050-1,320	2,880	.20-1.8	37 x 45 x 86	875
	6	LGC072S2B	76,000	72,000	2,100	10.1	—	—	78,000	—	125,000	1,680	1,050-1,320	2,880	.20-1.8	37 x 45 x 86	875
	7.5	LGA090H2B	93,800	90,000	2,900	11.3	12.00	—	130,000	180,000	240,000	2,100	2,140-2,540	3,600	.20-2.60	50 x 58 x 100	1,385
	7.5	LGC090S2B	96,000	93,000	3,000	10.3	10.80	—	130,000	180,000	240,000	2,100	2,140-2,540	3,600	.20-2.60	50 x 58 x 100	1,385
	8.5	LGA102H2B	105,000	101,000	3,200	11.2	11.70	—	130,000	180,000	240,000	2,380	2,140-2,540	4,080	.20-2.60	50 x 58 x 100	1,385
	8.5	LGC102S2B	106,000	102,000	3,400	10.3	10.40	—	130,000	180,000	240,000	2,380	2,140-2,540	4,080	.20-2.60	50 x 58 x 100	1,385
	10	LGA120H2B	125,000	120,000	3,600	11.0	11.80	—	130,000	180,000	240,000	2,800	2,140-2,540	4,800	.20-2.60	50 x 58 x 100	1,440
	10	LGC120S2B	126,000	120,000	3,800	10.3	10.50	—	130,000	180,000	240,000	2,800	2,140-2,540	4,800	.20-2.60	50 x 58 x 100	1,440
	12.5	LGC150S2B	145,000	138,000	4,250	9.5	9.20	—	130,000	180,000	240,000	3,500	2,140-2,540	6,000	.20-2.60	50 x 58 x 100	1,475
	13	LGC156H2B	160,000	156,000	5,100	12.2	13.60	169,000	260,000	360,000	—	3,640	2,780-4,445	6,240	.20-2.60	55 x 91 x 133	2,555
	15	LGC180H2B	188,000	182,000	5,700	11.8	13.30	169,000	260,000	360,000	480,000	4,200	2,780-5,080	7,200	.20-2.60	55 x 91 x 133	2,555
	15	LGC180S2B	186,000	180,000	6,000	10.0	10.60	169,000	260,000	360,000	480,000	4,200	2,780-5,080	7,200	.20-2.60	55 x 91 x 133	2,555
	17.5	LGC210H2B	218,000	210,000	6,600	11.5	12.30	169,000	260,000	360,000	480,000	4,900	2,780-5,080	8,400	.20-2.60	55 x 91 x 133	2,685
	17.5	LGC210S2B	212,000	204,000	6,800	10.0	10.50	169,000	260,000	360,000	480,000	4,900	2,780-5,080	8,400	.20-2.60	55 x 91 x 133	2,685
	20	LGA240H2B	252,000	242,000	7,500	11.0	11.80	—	260,000	360,000	480,000	5,600	2,780-5,080	9,600	.20-2.60	55 x 91 x 133	2,735
	20	LGC240S2B	243,000	232,000	8,000	9.5	9.80	—	260,000	360,000	480,000	5,600	2,780-5,080	9,600	.20-2.60	55 x 91 x 133	2,735
	21	LGA248H2B	257,000	248,000	8,000	11.7	12.30	—	260,000	360,000	480,000	5,880	2,780-7,110	10,080	.20-2.60	65 x 91 x 145	3,230
	25	LGC300H2B	311,000	300,000	9,500	11.0	11.50	—	260,000	360,000	480,000	7,000	2,780-7,110	12,000	.20-2.60	65 x 91 x 145	3,230
	25	LGC300S2B	302,000	286,000	9,000	9.5	9.70	—	260,000	360,000	480,000	7,000	3,130-6,465	12,000	.20-2.60	65 x 91 x 133	2,735
	30	LGC360H2B	351,000	336,000	10,500	10.1	10.60	—	260,000	360,000	480,000	8,400	4,815-7,110	14,400	.20-2.60	65 x 91 x 145	3,230
								KW Range									
ELECTRIC/ELECTRIC	3	LCA036H2B	37,600	36,400	1,200	11.2	13.00	7	10	15	20	NA	840	960	1,440	.20-1.8	37 x 47 x 88	775
	3.5	LCA042H2B	44,800	43,500	1,370	11.3	13.00	7	10	15	20	NA	980	1,050	1,680	.20-1.8	37 x 47 x 88	775
	4	LCA048H2B	50,500	49,000	1,450	11.3	13.25	7	10	15	20	NA	1,120	1,050	1,920	.20-1.8	37 x 47 x 88	805
	5	LCA060H2B	63,000	61,000	2,000	11.0	13.00	7	10	15	20	25	1,400	1,050	2,400	.20-1.8	37 x 47 x 88	815
	6	LCA072H2B	74,000	71,000	2,100	10.5	—	10	15	20	25	30	1,680	1,050	2,880	.20-1.8	37 x 47 x 88	816
	6	LCC072S2B	76,000	72,000	2,100	10.3	—	10	15	20	25	30	1,680	1,050	2,880	.20-2.60	37 x 47 x 88	806
	7.5	LCA090H2B	93,800	90,000	2,900	11.3	12.00	7.5	15	22.5	30	45	2,100	2,400	3,600	.20-2.60	50 x 58 x 100	1,305
	7.5	LCC090S2B	96,000	93,000	3,000	10.4	10.80	7.5	15	22.5	30	45	2,100	2,400	3,600	.20-2.60	50 x 58 x 100	1,305
	8.5	LCA102H2B	105,000	101,000	3,200	11.2	11.70	7.5	15	22.5	30	45	2,380	2,400	4,080	.20-2.60	50 x 58 x 100	1,305
	8.5	LCC102S2B	106,000	102,000	3,400	10.4	10.40	7.5	15	22.5	30	45	2,380	2,400	4,080	.20-2.60	50 x 58 x 100	1,305
	10	LCA120H2B	125,000	120,000	3,600	11.0	11.80	15	22.5	30	45	60	2,800	2,800	4,800	.20-2.60	50 x 58 x 100	1,360
	10	LCC120S2B	126,000	120,000	3,800	10.4	10.50	15	22.5	30	45	60	2,800	2,800	4,800	.20-2.60	50 x 58 x 100	1,360
	12.5	LCC150S2B	145,000	140,000	4,250	9.7	9.40	15	22.5	30	45	60	3,500	3,000	6,000	.20-2.60	50 x 58 x 100	1,395
	13	LCC156H2B	160,000	156,000	5,100	12.2	13.60	15	30	45	60	NA	3,640	4,160	6,240	.20-2.60	55 x 91 x 133	2,500
	15	LCC180H2B	188,000	182,000	5,700	11.8	13.30	15	30	45	60	NA	4,200	4,800	7,200	.20-2.60	55 x 91 x 133	2,500
	15	LCC180S2B	186,000	180,000	6,000	10.0	10.60	15	30	45	60	NA	4,200	4,800	7,200	.20-2.60	55 x 91 x 133	2,500
	17.5	LCC210H2B	218,000	210,000	6,600	11.5	12.30	15	30	45	60	90	4,900	5,200	8,400	.20-2.60	55 x 91 x 133	2,620
	17.5	LCC210S2B	212,000	204,000	6,800	10.0	10.50	15	30	45	60	90	4,900	5,200	8,400	.20-2.60	55 x 91 x 133	2,620
	20	LCA240H2B	252,000	242,000	7,500	11.0	11.80	15	30	45	60	90	5,600	6,000	9,600	.20-2.60	55 x 91 x 133	2,680
	20	LCC240S2B	243,000	234,000	8,000	9.7	10.00	15	30	45	60	90	5,600	6,000	9,600	.20-2.60	55 x 91 x 133	2,680
	21	LCA248H2B	257,000	248,000	8,000	11.7	12.30	30	45	60	90	120	5,880	6,720	10,080	.20-2.60	65 x 91 x 145	3,120
	25	LCC300H2B	311,000	300,000	9,500	11.0	11.50	30	45	60	90	120	7,000	8,000	12,000	.20-2.60	65 x 91 x 145	3,120
	25	LCC300S2B	302,000	286,000	9,000	9.5	9.70	30	45	60	90	120	7,000	8,000	12,000	.20-2.60	65 x 91 x 133	2,680
	30	LCC360H2B	351,000	336,000	10,500	10.1	10.60	30	45	60	90	120	8,400	9,600	14,400	.20-2.60	65 x 91 x 145	3,120
								47 Cap.	COP 47 Eff.	17 Cap.	COP 17 Eff.						
HEAT PUMPS	7.5	LHA090H2B	94,000	89,000	3,000	11.5	12.50	90,000	3.3	52,000	2.1	2,625	—	3,600	.20-2.60	50 x 58 x 100	1,335
	8.5	LHA102H2B	104,000	100,000	3,500	11.0	12.40	102,000	3.4	56,000	2.2	2,975	—	4,080	.20-2.60	50 x 58 x 100	1,335
	10	LHA120H2B	124,000	118,000	4,200	10.3	11.30	120,000	3.3	72,000	2.1	3,500	—	4,800	.20-2.60	50 x 58 x 100	1,390
	12.5	LHA150S2B	145,200	137,000	4,400	9.3	10.50	140,000	3.3	80,000	2.0	4,200	—	5,760	.20-2.60	50 x 58 x 100	1,395
	15	LHA180H2B	187,000	182,000	5,700	11.0	12.00	192,000	3.3	106,000	2.0	5,250	—	7,200	.20-2.60	55 x 91 x 129	2,570
	20	LHA240H2B	227,000	220,000	7,000	10.2	11.00	220,000	3.3	118,000	2.1	7,000	—	9,600	.20-2.60	55 x 91 x 129	2,615

L SERIES R-410A UNIT PERFORMANCE SPECIFICATIONS

			COOLING DATA					HEATING INPUT					AIR FLOW RANGE				PHYSICAL DATA	
	Nom. Ton	Model	Gross Cap [Btuh]	ARI Rated Net Cap [Btuh]	ARI Rated CFM	Full Load [EER]	Part Load [SEER or IPLV]	Low	Stand.	Med.	High		CFM Min. Cool	CFM Min. Heat	CFM Max.	Static [in wc]	Dim. HxWxD [inches]	Ship Wt. Base [lbs]
GAS/ELECTRIC	3	LGA036H4	36,200	35,000	1,300	11.4	13.40	—	78,000	—	—		840	1,050	1,440	.20-1.8	37 x 45 x 86	786
	4	LGA048H4	51,000	49,500	1,600	11.5	13.50	—	78,000	—	125,000		1,120	1,050-1,320	1,920	.20-1.8	37 x 45 x 86	850
	5	LGA060H4	62,500	60,000	2,000	10.5	12.50	—	78,000	—	125,000		1,400	1,050-1,320	2,400	.20-1.8	37 x 45 x 86	860
	6	LGA072H4B**	75,000	72,000	2,250	10.4	—	—	78,000	—	125,000		1,680	1,050-1,320	2,880	.20-1.8	37 x 45 x 86	875
	6	LGC072S4B	75,000	72,000	2,250	10.1	—	—	78,000	—	125,000		1,680	1,050-1,320	2,880	.20-1.8	37 x 45 x 86	875
	7.5	LGA090H4B	93,000	90,000	2,900	11.3	12.30	—	130,000	180,000	240,000		2,100	2,140-2,540	3,600	.20-2.60	50 x 58 x 100	1,385
	8.5	LGA102H4B	103,000	99,000	3,200	11.2	12.20	—	130,000	180,000	240,000		2,380	2,140-2,540	4,080	.20-2.60	50 x 58 x 100	1,385
	10	LGA120H4B	124,000	120,000	3,600	11.0	12.00	—	130,000	180,000	240,000		2,800	2,140-2,540	4,800	.20-2.60	50 x 58 x 100	1,440
	12.5	LGC150S4B	150,000	140,000	4,250	9.7	10.20	—	130,000	180,000	240,000		3,500	2,140-2,540	6,000	.20-2.60	50 x 58 x 100	1,475
	13	LGC156H4B	159,000	154,000	5,200	12.0	13.30	169,000	260,000	360,000	—		3,640	2,780-4,445	6,240	.20-2.60	55 x 91 x 133	2,555
	15	LGC180H4B	186,000	182,000	5,700	11.8	13.30	169,000	260,000	360,000	480,000		4,200	2,780-5,080	7,200	.20-2.60	55 x 91 x 133	2,555
	17.5	LGC210H4B	212,000	204,000	6,600	11.5	12.30	169,000	260,000	360,000	480,000		4,900	2,780-5,080	8,400	.20-2.60	55 x 91 x 133	2,685
	20	LGA240H4B	240,000	230,000	7,500	11.0	12.00	—	260,000	360,000	480,000		5,600	2,780-5,080	9,600	.20-2.60	55 x 91 x 133	2,735
	21	LGA248H4B	257,000	248,000	8,000	11.7	12.70	—	260,000	360,000	480,000		5,880	2,780-7,110	10,080	.20-2.60	65 x 91 x 145	3,230
	25	LGC300H4B	311,000	300,000	9,500	11.0	11.80	—	260,000	360,000	480,000		7,000	2,780-7,110	12,000	.20-2.60	65 x 91 x 145	3,230
	25	LGC300S4B	294,000	274,000	9,000	9.5	9.70	—	260,000	360,000	480,000		6,400	2,780-7,110	12,000	.20-2.60	55 x 91 x 133	2,735
	30	LGC360H4B	359,000	344,000	10,500	10.1	11.20	—	260,000	360,000	480,000		8,400	4,815-7,110	14,400	.20-2.60	65 x 91 x 145	3,230
								KW Range										
ELECTRIC/ELECTRIC	3	LCA036H4	36,200	35,000	1,300	11.4	13.40	7	10	15	20	—	840	960	1,440	.20-1.8	37 x 47 x 88	775
	4	LCA048H4	51,000	49,500	1,600	11.5	13.50	7	10	15	20	—	1,120	1,050	1,920	.20-1.8	37 x 47 x 88	805
	5	LCA060H4	62,500	60,000	2,000	10.5	12.50	7	10	15	20	25	1,400	1,050	2,400	.20-1.8	37 x 47 x 88	815
	6	LCA072H4B**	75,000	72,000	2,250	10.4	—	10	15	20	25	30	1,680	1,050	2,880	.20-1.8	37 x 47 x 88	816
	6	LCC072SAB	75,000	72,000	2,250	10.1	—	10	15	20	25	30	1,680	1,050	2,880	.20-1.8	37 x 47 x 88	816
	7.5	LCA090H4B	93,000	90,000	2,900	11.3	12.30	7.5	15	22.5	30	45	2,100	2,400	3,600	.20-2.60	50 x 58 x 100	1,305
	8.5	LCA102H4B	103,000	99,000	3,200	11.2	12.20	7.5	15	22.5	30	45	2,380	2,400	4,080	.20-2.60	50 x 58 x 100	1,305
	10	LCA120H4B	124,000	120,000	3,600	11.2	12.20	15	22.5	30	45	60	2,800	2,800	4,800	.20-2.60	50 x 58 x 100	1,360
	12.5	LCC150S4B	150,000	140,000	4,250	9.7	10.20	15	22.5	30	45	60	3,500	3,000	6,000	.20-2.60	50 x 58 x 100	1,395
	13	LCC156H4B	159,000	154,000	5,200	12.0	13.30	15	30	45	60	—	3,640	4,160	6,240	.20-2.60	55 x 91 x 133	2,500
	15	LCC180H4B	186,000	182,000	5,700	11.8	13.30	15	30	45	60	—	4,200	4,800	7,200	.20-2.60	55 x 91 x 133	2,500
	17.5	LCC210H4B	212,000	204,000	6,600	11.5	12.30	15	30	45	60	90	4,900	5,200	8,400	.20-2.60	55 x 91 x 133	2,620
	20	LCA240H4B	240,000	230,000	7,500	11.0	12.00	15	30	45	60	90	5,600	6,000	9,600	.20-2.60	55 x 91 x 133	2,680
	21	LCA248H4B	257,000	248,000	8,000	11.7	12.70	30	45	60	90	120	5,880	6,720	10,080	.20-2.60	65 x 91 x 145	3,120
	25	LCC300H4B	311,000	300,000	9,500	11.0	11.80	30	45	60	90	120	7,000	8,000	12,000	.20-2.60	65 x 91 x 145	3,120
	25	LCC300S4B	294,000	274,000	9,000	9.5	9.70	30	45	60	90	120	6,400	8,000	12,000	.20-2.60	55 x 91 x 133	2,680
	30	LCC360H4B	359,000	344,000	10,500	10.1	11.20	30	45	60	90	120	8,400	9,600	14,400	.20-2.60	65 x 91 x 145	3,120

L SERIES VAV UNIT PERFORMANCE SPECIFICATIONS

R-22	21	LGA248H2V	257,000	248,000	8,000	11.7	14.00	—	260,000	360,000	480,000		2,520	2,780-7,110	10,080	.20-2.60	65 x 91 x 145	3,230
	25	LGC300H2V	311,000	300,000	9,500	11.0	13.40	—	260,000	360,000	480,000		3,000	2,780-7,110	12,000	.20-2.60	65 x 91 x 145	3,230
	30	LGC360H2V	351,000	336,000	10,500	10.1	13.00	—	260,000	360,000	480,000		3,600	4,815-7,110	14,400	.20-2.60	65 x 91 x 145	3,230
								KW Range										
	21	LCA248H2V	257,000	248,000	8,000	12.0	14.50	30	45	60	90	120	2,520	6,720	10,080	.20-2.60	65 x 91 x 145	3,120
	25	LCC300H2V	311,000	300,000	9,500	11.0	13.40	30	45	60	90	120	3,000	8,000	12,000	.20-2.60	65 x 91 x 145	3,120
	30	LCC360H2V	351,000	336,000	10,500	10.1	13.00	30	45	60	90	120	3,600	9,600	14,400	.20-2.60	65 x 91 x 145	3,120
R-410A	21	LGA248H4V	257,000	248,000	8,000	11.4	14.20	—	260,000	360,000	480,000		2,520	2,780-7,110	10,080	.20-2.60	65 x 91 x 145	3,230
	25	LGC300H4V	311,000	300,000	9,500	11.0	14.00	—	260,000	360,000	480,000		3,000	2,780-7,110	12,000	.20-2.60	65 x 91 x 145	3,230
	30	LGC360H4V	359,000	344,000	10,500	10.1	13.20	—	260,000	360,000	480,000		3,600	4,815-7,110	14,400	.20-2.60	65 x 91 x 145	3,230
								KW Range										
	21	LCA248H4V	257,000	248,000	8,000	11.7	14.70	30	45	60	90	120	2,520	6,720	10,080	.20-2.60	65 x 91 x 145	3,120
	25	LCC300H4V	311,000	300,000	9,500	11.0	14.00	30	45	60	90	120	3,000	8,000	12,000	.20-2.60	65 x 91 x 145	3,120
	30	LCC360H4V	359,000	344,000	10,500	10.1	13.20	30	45	60	90	120	3,600	9,600	14,400	.20-2.60	65 x 91 x 145	3,120

Heating CFM for Gas models varies dependent upon heat option selected. Heating CFM for Heat Pump models does not include any supplemental electric heat.
Dimensions are rounded up to the nearest inch.
Direct-drive models are also available in 3-, 4- and 5-ton capacities.
Certified in accordance with USE certification program which is based on ARI standard 210/240 (5 tons and below): 95°F outdoor air temperature and 80dB/67wb entering evaporator coil air.
**Not available in single-phase or 575/3 voltage.*
***For 6-ton capacities, the Humiditrol® dehumidification system is only available on standard-efficiency models LGA072S and LCA072S.*
Note: Due to Lennox' ongoing commitment to quality, all specifications, ratings and dimensions are subject to change.

SOLUTIONS FOR CUSTOMIZED COMFORT

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- **L Series® Rooftop Units**
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Split Systems

- **S-Class Air Conditioners/ Heat Pumps**
- **T-Class Air Conditioners/ Heat Pumps**
- Air Handlers
- Indoor Coils

Heating

- **T-Class Unit Heaters**
- Unit Heaters
- Duct Furnaces
- Furnaces

Commercial Controls

- **L Connection® Network**
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