



## Lennox™ Residential Generators

Safe, reliable backup power provides comfort and peace of mind when unexpected outages occur



HOME COMFORT SYSTEMS  
*Innovation never felt so good.™*



Innovation never felt so good.™

# Residential Generators

Commercial-grade backup power offers dependable protection during unexpected power outages

Available in 12kW, 17kW and 30kW sizes powered by natural gas or propane

Clean, reliable, digital voltage regulation protects sensitive electronic equipment from damage caused by unstable power quality or high levels of total harmonic distortion

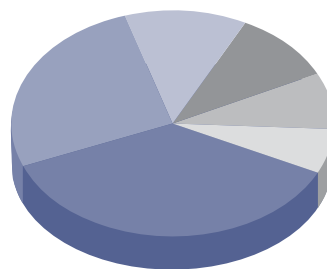
Delivers more power for better performance with the lowest operating noise of all competitive units tested

Your family probably doesn't think much about whether the refrigerator is running so your food won't spoil, or whether the furnace is keeping the house warm on a cold winter day, or if the lights will come on when you flip the switch—until a power outage occurs and everything quits.

## BACKUP POWER GIVES YOUR FAMILY GENUINE PEACE OF MIND

Whether the result of severe weather or of an increasingly unstable, overburdened electrical grid, power outages are inconvenient at best. But they can also be costly and potentially dangerous—even fatal, if you rely on medical equipment. Lennox™ Residential Generators provide the ideal solution: safe, reliable, automatic backup power for your home that lets you live your life without interruption.

### CAUSES OF POWER OUTAGES



Source: Washington Energy Savings

### WARRANTY\*

5-Year Limited Warranty on parts.

2-Year Limited Warranty on labor.

\*Applies to residential applications only. See actual warranty certificate for details.

### Power that matches your family's lifestyle

Lennox residential generators are available in a range of sizes (12kW, 17kW and 30kW) to meet the needs of every home. Less backup power is required to meet basic electrical needs, such as a refrigerator, dishwasher, air conditioner or furnace, lighting, TV, computer and garage door opener. Additional power is needed for items like an electric range, multiple air conditioners, electric clothes dryer, security system, sump pump and large wine cellar. For help in determining which generator model provides sufficient kilowattage for your home, see the Generator Sizing Tool at [www.lennox.com](http://www.lennox.com).

## RELIABLE POWER WHEN YOU NEED IT MOST

### Safer power for sensitive electronics

Unlike competitive products that can damage and degrade sensitive home electronics with unstable power quality or high levels of total harmonic distortion (THD), Lennox™ generators deliver cleaner, more stable power that meets strict utility requirements and electrical standards for THD.

### Reliable performance

Lennox' commercial-grade digital controller provides increased peak motor-starting capability and the highest-tested surge capacity for large start-up loads such as air conditioning. Voltage regulation varies only +/- 1.5%, even under a full-house load. Quality extends to the outside, too, where the salt-spray-tested paint used on exterior surfaces provides lasting durability and rust prevention.

### Quieter operation

Sleek, weather-resistant sound enclosures keep operating noise levels the lowest among all competitive units tested—10 times quieter than the leading competitor.\* You and your neighbors won't be bothered when the unit performs self-diagnostic test runs, or when it's running at full operation speed.

### Quicker response time

When an outage occurs, Lennox generators restore power in as little as 10 seconds—three times faster than competitive models.

### Automatic diagnostic testing

Lennox generators perform a 20-minute, full-speed, self-diagnostic test each week to ensure peak running condition.

### Simple installation and maintenance

Fast, flexible installation is accomplished through a simple wiring connection with the automatic transfer switch and an integrated polymer pad on the air-cooled RGEN12 and RGEN17. No break-in time is needed once the unit is installed—all Lennox generators are tested and ready to use prior to shipping.



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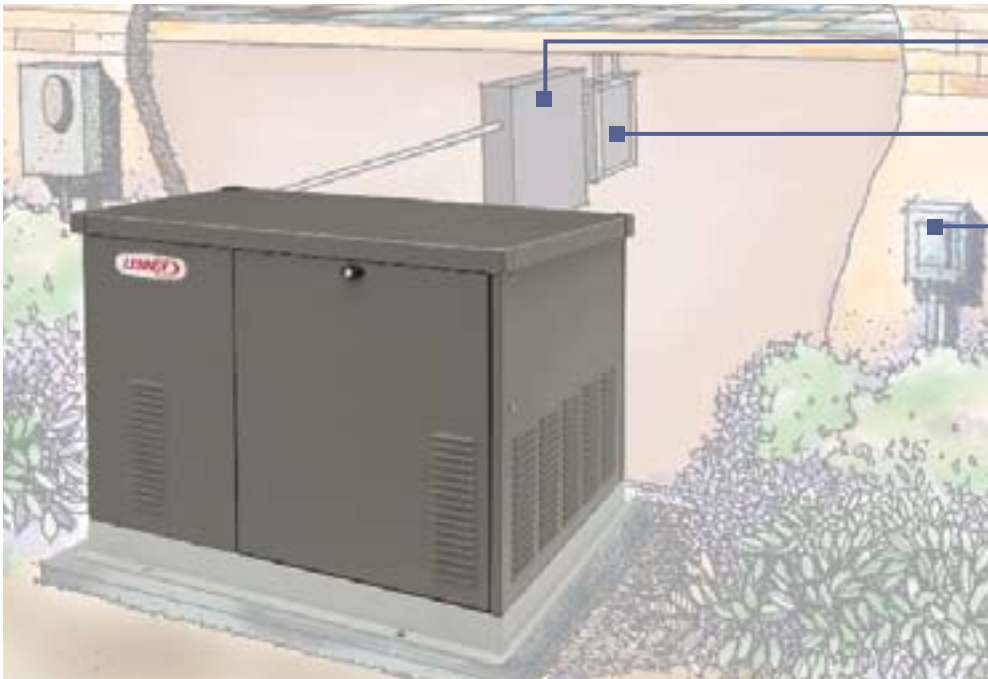
### In the dark

**3.5 million** U.S. residents lose power each week.

Source: Electric Power Research Institute

\*Based on single-unit test of Lennox RGEN12 and comparable competitive unit. Tested in a reverberant sound facility qualified in accordance with ANSI standard S12.32-1990.

## SYSTEM DIAGRAM



- Main power distribution panel
- Automatic transfer switch
- Generator power emergency disconnect

### How does it work?

A Lennox™ Residential Generator has three modes of operation:

- 1. Standby Mode** – Monitors utility power for outages
- 2. Self-Test Mode** – Runs weekly 20-minute test cycles, ensuring the unit is tuned up and operating effectively
- 3. Emergency Power Mode**
  - Automatic transfer switch senses outage
  - Generator starts
  - Transfer switch engages generator power
  - Transfer switch monitors for restoration of utility power
  - Transfer switch reengages utility power
  - Generator runs cool-down cycle and then shuts down

### Automatic transfer switch—The critical component of home standby power



Essential Load Switch



Whole-House Switch



All-in-One New-House Switch\*

The automatic transfer switch is the key component of your backup power system. When an outage occurs, it automatically transfers power from the utility to your generator. When utility power is restored, the transfer switch signals the generator to shut down, and puts your home back on the utility power.

Lennox' generator systems include commercial-grade automatic transfer switches in a variety of amperage sizes and configurations to match your home's power needs.

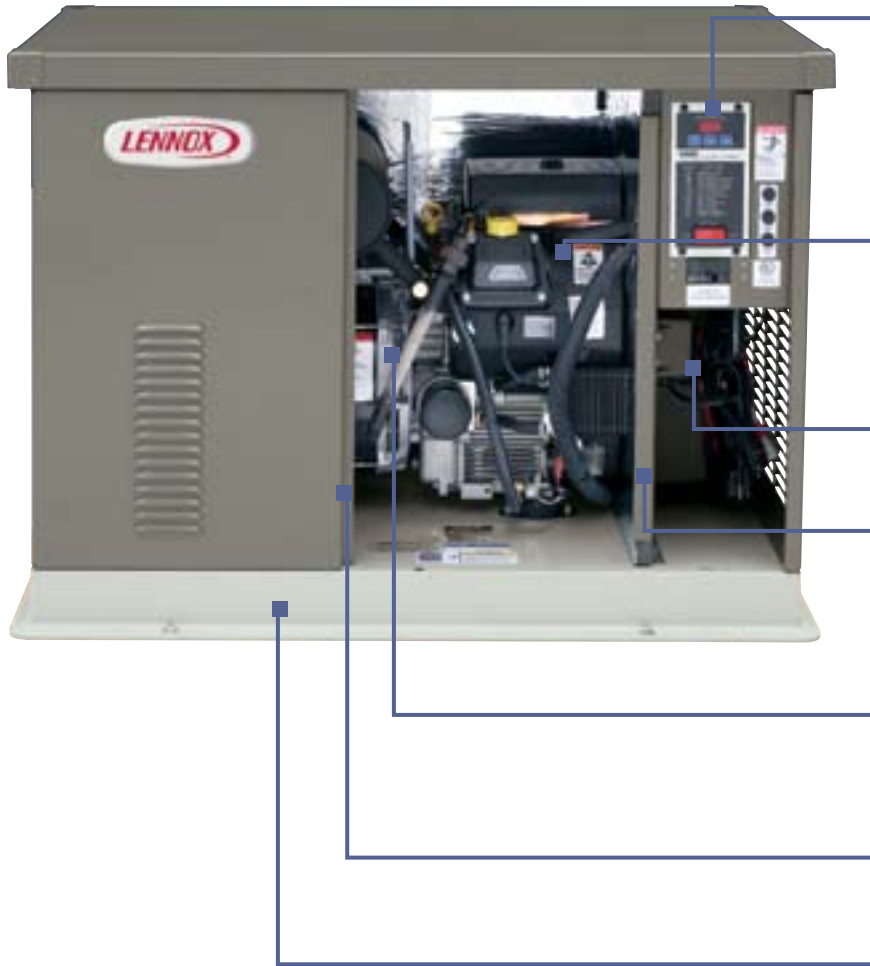
### Lennox™ Residential Generator Specifications

Model	RGEN12	RGEN17	RGEN30
Rated power LP/NG (kW)	12/10.4	17/16	30/27
Dimensions LxWxD (in.)	42-1/2 x 30-1/2 x 32-1/2	47-1/4 x 28-5/8 x 31-3/5	77 x 33-1/2 x 45
LxWxD (mm)	1079 x 774 x 826	1199 x 713 x 803	1850 x 861 x 935
Starting watts LP/NG (kVA)	32	38	42
Total harmonic distortion at rated load	4.25%	3.00%	2.40%

\*New-house switch not available in Canada

Note: Due to Lennox' ongoing commitment to quality, all specifications, ratings and dimensions are subject to change without notice. Download from [www.Somanuals.com](http://www.Somanuals.com). All Manuals Search And Download.

## OUTSTANDING FEATURES FOR EXCEPTIONAL PERFORMANCE



**Commercial-Grade Digital Controller** – Most precise voltage and frequency regulation in the industry; provides cleaner power to protect sophisticated home electronics and appliances.

**Engine** – Designed with hydraulic valve lifters for more reliable performance without routine valve adjustments or lengthy break-in requirements.

**Battery Charger** – Trickle-charge battery ensures the unit is always ready to start.

**Weather-Resistant Sound Enclosure** – Sound-reducing design and corrosion-resistant finish enhance neighborhood-friendly operation.

**Alternator** – Rugged industrial design provides superior voltage waveform and minimal harmonic distortion.

**Removable Door** – Provides single-side access for easy maintenance.

**Integrated Polymer Mounting Pad (RGEN12 and RGEN17)** – Eliminates the need to pour a concrete pad.

**Easily Accessible Components** – The air filter, oil filter and oil drain are configured to allow ease of maintenance.

**Fuel Connection** – Plumbed to the exterior of the unit for easier installation and continuous fuel supply, eliminating gasoline storage and refueling.

### Lennox™ Residential Generators

Every model in our line of residential generators has a legacy of proven technology and adheres to our strictest standards of quality, innovation and manufacturing excellence.



## CUSTOMIZE YOUR COMFORT

Lennox® heating, cooling and indoor air quality products are designed to provide efficient, economical comfort—not only as individual units, but also together as an integrated system. This combined network of products delivers on every comfort count, from consistent temperatures and balanced humidity to improved indoor air quality. Lennox also offers a line of residential generators, which provide safe, reliable standby power in the event of outages.

## DEALERS YOU CAN COUNT ON

Choosing the right dealer for your home's heating, cooling and air quality needs is every bit as important as choosing the right brand. We think you'll agree our independent dealers are a big reason you can count on quality customer service whenever you call. Your Lennox dealer's dedication to quality shows in his knowledge, training and expertise in designing the right system for your home, installing it properly and keeping it running perfectly for many years to come.



**LENNOX**

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