

Introducing  
a new ray  
of light  
in home  
comfort.



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



SUNSOURCE™



The industry's first  
solar-assisted  
central heat pump.

# Your first step toward living off the grid.

Far more affordable than a full-house solar system, the SunSource™ Comfort System, part of the Dave Lennox Signature® Collection, is a first-of-its-kind innovation that takes you away from the burden of high utility bills and moves you solidly toward the future.



## Source of alternative energy

- Patent-pending solar-assist technology uses a combination of solar energy and electricity to reduce peak demand on home electric usage
- Operates in a wide range of sunlight and temperature conditions
- ENERGY STAR® qualified

## Source of innovative comfort

- Delivers even heating and cooling in every room\*
- Highly reliable, with patented SmartHinge™ panels that require little routine maintenance



## How it Works

### Draws energy from the sun

During peak daylight hours, the SunSource Comfort System gets help from a solar panel to heat and cool your home. It uses renewable solar energy to power the outdoor fan motor, reducing the utility-provided electricity needed for operation. The solar assist increases the system efficiency, reducing the power consumed by as much as 8%.

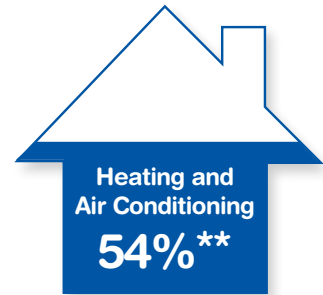
\*Based on improved temperature control offered by two-stage compressor operation.

# Solar by day. Electric by night. Savings all year.

Taking a step to conserve energy with a SunSource Comfort System can save you hundreds of dollars on your utility bills every year.

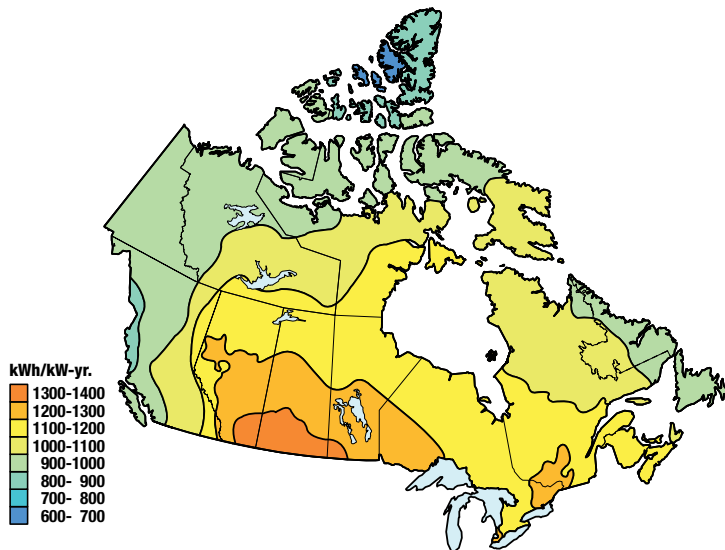
A SunSource Comfort System makes use of all available solar energy to reduce electric consumption—full sun is not a requirement. On days with limited sun exposure, the SunSource Comfort System continues to operate efficiently using metered electricity provided by your power company.

That means no matter where you live, the SunSource Comfort System is a viable renewable energy solution that can make a positive change in your home environment...and global environment.

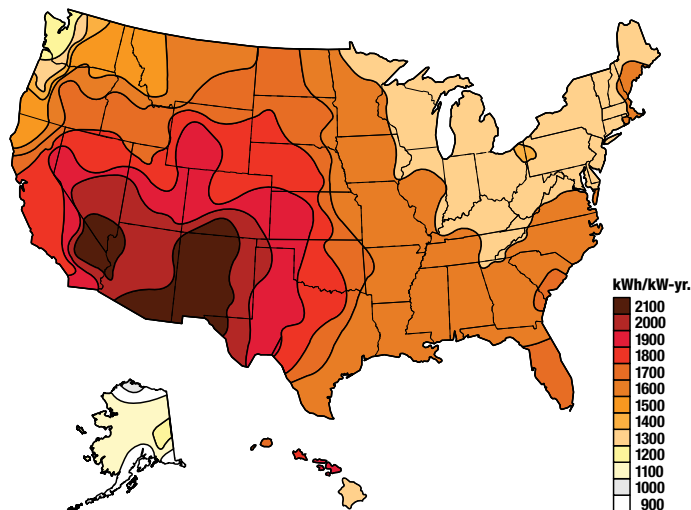


*Studies have shown that more than half of your household energy use goes to heating and cooling.\*\**

## Measuring the Sun's Power in North America



Source: Natural Resources Canada and Environment Canada, 2006



Source: Solar Energy Industries Association, 2007

Solar power is a viable energy source in nearly every U.S. city and throughout much of Canada. These maps show the amount of electricity capable of being produced based on levels of available solar radiation measured during 2006 and 2007 across North America.

*The amount of the sun's energy that reaches the surface of the Earth every hour is greater than the total amount of energy that the world's human population uses in a year.*

Source: U.S. Department of Energy, 2008

\*\*Source: U.S. Energy Information Administration, 2007

# Higher efficiency plus superior comfort with less noise.

Now it's possible for you to reduce the environmental impact of your home's heating and cooling system without sacrificing your comfort. With efficiency ratings of up to 18.20 SEER and 9.70 HSPF\*\*\*, Lennox' SunSource™ heat pump takes heating and cooling technology to new heights with help from renewable solar power.

## Optimized for use with the Humiditrol® whole-home dehumidification system

As part of a complete comfort package, the Humiditrol system delivers a level of humidity control never before available. Less moisture in the air not only feels better, it improves overall indoor air quality, too.

## What a difference quiet makes

The SunSource heat pump is engineered with Lennox' exclusive SilentComfort™ technology for quiet performance day in and day out. A patent-pending fan design, two-stage operation and an insulated compressor compartment also help keep sound at a minimum.

## Conserves energy while preserving the environment

The SunSource heat pump is designed with a two-stage scroll compressor that uses R410A refrigerant, which meets the U.S. Environmental Protection Agency's standards for ozone and environmental safety.



Choosing an ENERGY STAR® product like the XPG20 SunSource™ Comfort System can help you improve comfort and save energy costs. You may also be able to qualify for utility rebates and tax credits. By creating a more efficient home environment, you are contributing to a cleaner global environment.

## Reducing your carbon footprint—one step at a time

Every SunSource heat pump will offset 376 pounds of CO<sub>2</sub> per year. That's the equivalent of planting seven mature trees, or carpooling to work one day each week. If thousands of people joined in, the change would substantially reduce environmental emissions.

### Dave Lennox Signature® Collection XPG20 Specifications

The SunSource™ solar-assisted heat pump, tested according to the U.S. Department of Energy central heat pump test procedure, and with zero solar power input, yields these performance metrics:

#### With No Solar Assist

Outdoor unit model	Indoor unit model	SEER	EER	Cooling Capacity (BTUH)	HSPF (Region IV)	Heating Capacity (BTUH)	Sound Rating (dBA)	Dimensions HxWxD (in.)	Dimensions HxWxD (mm)
XPG20-036	CBX32MV-048	18.20***	12.7	37,800	9.70***	34,200	72	37 x 35-1/2 x 39-1/2	940 x 902 x 1003

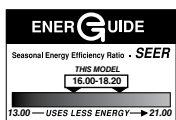
When this same equipment is tested by the same procedure, but with 170 watts of DC power (simulating power input from a nominal 205 watt solar module) the standard test procedure yields these performance metrics:

#### With 170 Watt DC Solar Assist

XPG20-036	CBX32MV-048	20.00	13.7	38,000	10.70	34,200	75	37 x 35-1/2 x 39-1/2	940 x 902 x 1003
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In actual applications, the availability and intensity of solar energy varies from locale to locale. The above metrics suggest lower and upper bounds for estimating performance.

**Note:** Due to Lennox' ongoing commitment to quality, all specifications, ratings and dimensions are subject to change without notice.



Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your Lennox dealer for details, or visit [www.energystar.gov](http://www.energystar.gov).



\*\*\*SEER and HSPF are for operation without solar power input. Actual system efficiency may vary depending on the exact system match. Efficiencies are representative of a single AHRI Most Popular matched combination. Always verify actual system efficiencies through AHRI or by visiting the AHRI ratings database at [www.ahridirectory.org](http://www.ahridirectory.org).

## First-of-its-kind system. Ahead-of-the-curve features.

### SilentComfort™ Fan Grille –

Uses patent-pending, vortex-suppression technology to reduce sound of airflow exiting unit, providing a quieter environment outside your home.

### Electronically Commutated Motor (ECM) –

Uses utility-provided electricity to power the system at night and whenever sunlight is unavailable.

### Factory-Installed Lennox® System Operations Monitor –

Continually reviews system performance to allow fast troubleshooting, which assures you of worry-free performance.

### Patent-Pending Fan-Drive System –

Uses a combination of solar energy and electricity to reduce peak demand on home electric usage.

### Two-Stage Scroll Compressor –

Operates at low stage most of the time for quieter, more efficient performance. Plus, it cools your home using the ozone-responsible R410A refrigerant.

### Insulated Compressor Compartment –

Minimizes operating sounds with innovative materials and industry-leading, vibration-isolating mounts.

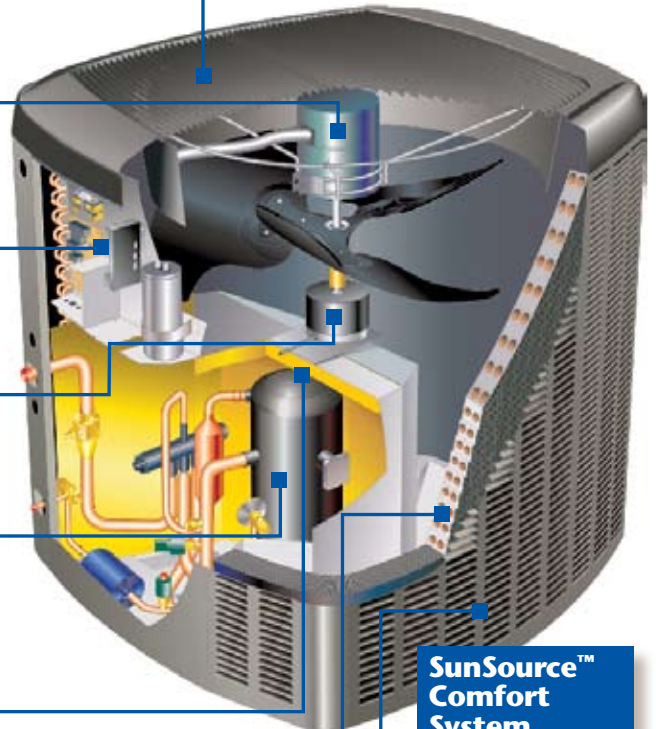
### High-Efficiency Outdoor Coil –

Provides exceptional heat transfer and low air resistance for high-efficiency operation that can lower your cooling bills.

### SmartHinge™ Louvered Coil Protection –

Allows quick, easy access to interior components from all sides, so the unit can be serviced in minimal time, saving you money.

**Single Solar Panel** – Provides freely available renewable energy to offset the electric usage of the heating and cooling system.



**SunSource™  
Comfort  
System**  
Up to 18.20 SEER  
and 9.70 HSPF\*  
First comfort  
system of its kind.

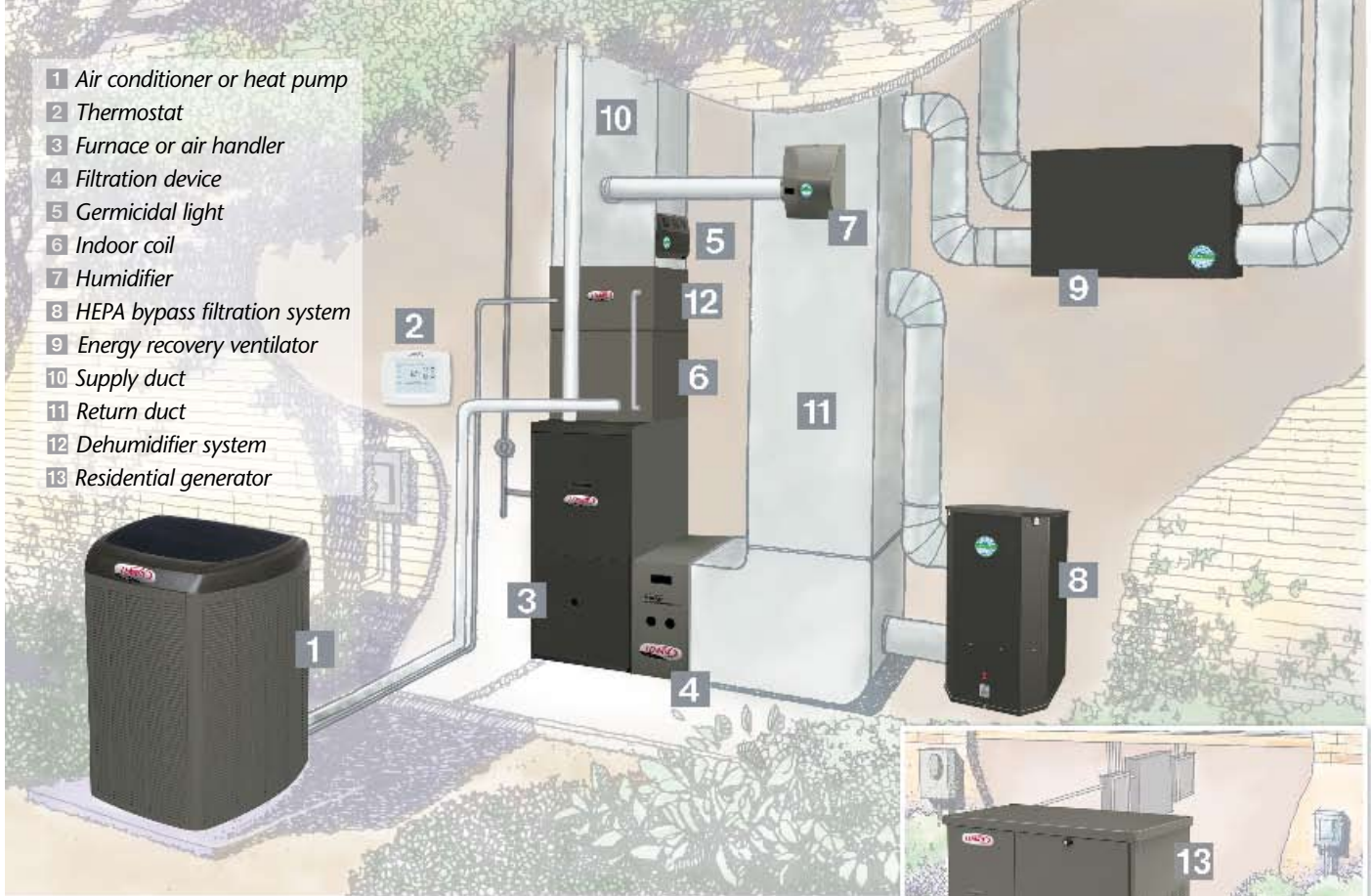


### Warranty

10-year limited warranty on the compressor and all remaining covered components. Excludes solar panel.

Note: Applies to residential applications for condenser and heat pump only. See actual warranty certificate for details.

\*SEER and HSPF are for operation without solar power input. Actual system efficiency may vary depending on the exact system match. Efficiencies are representative of a single AHRI Most Popular matched combination. Always verify actual system efficiencies through AHRI or by visiting the AHRI ratings database at [www.ahridirectory.org](http://www.ahridirectory.org).



- 1 Air conditioner or heat pump
- 2 Thermostat
- 3 Furnace or air handler
- 4 Filtration device
- 5 Germicidal light
- 6 Indoor coil
- 7 Humidifier
- 8 HEPA bypass filtration system
- 9 Energy recovery ventilator
- 10 Supply duct
- 11 Return duct
- 12 Dehumidifier system
- 13 Residential generator



**CUSTOMIZED HOME 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.



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Visit us at [www.lennox.com](http://www.lennox.com), or contact us at 1-800-9-LENNOX.