

*higher*

*Temperature = 50° C*



## The XP21 raises the bar for efficiency and comfort.

When it comes to enjoying time at your home, moments with family and friends are at the top of the list. And when it comes to heating and cooling your home, the XP21 from the Dave Lennox *Signature*<sup>®</sup> Collection rises to the challenge in a way that's unmatched by any other heat pump. Exclusive SilentComfort™ technology, combined with two-stage operation, maintains precise temperatures at all times, in every room. All the while, the XP21 **works to keep energy costs and sound levels at an absolute minimum.**

Simply put, the XP21 is the quietest and most efficient two-stage heat pump you can buy.\* And that's taking innovation to a whole new level.

\*A combination of sound ratings established per AHRI's test standard: AHRI 270-2008; and efficiency ratings established per AHRI's test standard: ANSI/AHRI 210/240-2008 of two-stage central AC/HP equipment.



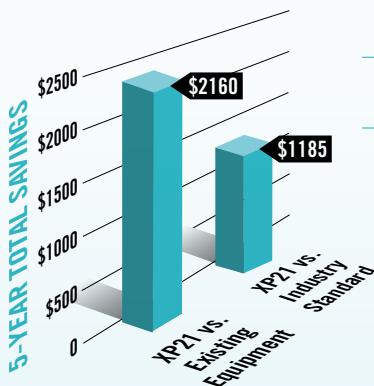
taking innovation to a new level

### An elevated level of efficiency

With industry-leading efficiency ratings of up to 19.20 SEER and 9.70 HSPF, **the XP21 can save you hundreds of dollars each year** on utility bills, compared to older or conventional units.

### A comforting quiet

Engineered with **exclusive SilentComfort™ technology**, the XP21's operating sound levels make it the quietest and most efficient two-stage heat pump on the market. An industry-exclusive composite fan design, two-stage operation and insulated compressor compartment all help the XP21 maintain a quieter environment both inside and outside your home.



SEER stands for "Seasonal Energy Efficiency Ratio" and is a measure of the cooling efficiency of heat pumps. The higher the SEER, the greater your energy savings. Typical SEER ratings start at 13.00, but the XP21 carries ratings as high as 19.20. HSPF stands for "Heating Seasonal Performance Factor" and is a measure of the heating efficiency of heat pumps.

This chart compares the 5-year savings you can expect from a 18.20 SEER/9.70 HSPF heat pump vs. existing equipment with a 10.00 SEER/6.80 HSPF rating and industry-standard equipment with a 13.00 SEER/7.70 HSPF rating. The regions used to calculate household fuel and utility costs reflect a cross-section of cities in the U.S. In addition to geography, cooling costs are based on 3-ton capacity specifications, with 800 cooling hours, 2,250 heating hours per year and 11.62 cents per kWh (Source: EIA National average electric rate—Rolling 12 months ending in July 2009). Your actual costs will vary depending on the weather, local fuel rates, systems settings and your personal lifestyle.



## XP21

The quietest and most efficient two-stage heat pump you can buy\*



# An energy-efficient heat pump that's a cut above the rest.

## Two levels of operation for a balanced level of comfort and efficiency

The XP21's scroll compressor has two stages of operation: high for hot summer days and low for milder days. Since the low setting is adequate to meet household cooling demands 80% of the time, the XP21 **runs more efficiently and produces more even temperatures**, compared to conventional single-stage systems. Two-stage heating and cooling cycles also translate to quieter, more efficient operation and enhanced humidity control.

## Exclusive motor and fan design for an added performance edge



The SilentComfort™ outdoor fan motor with composite fan blades uses **the latest in electronic sensor technology** to optimize overall system performance.

Intelligent motor design detects a blocked fan and will automatically compensate in an effort to protect the motor or clear the obstruction. The fan then resumes normal operation, keeping the heat pump running at peak efficiency.

## Customized comfort meets your needs inside and out



The XP21 is also compatible with the Humiditrol® whole home dehumidification system for improved air quality inside your home. By reducing humid conditions in your home, the Humiditrol system minimizes mold and mildew problems as well as airborne pollutants.



The simplest way to bring money-saving **SOLAR POWER** into your home

The SunSource® Home Energy System reduces the amount of electricity needed from your utility provider to put you in control of your utility bills. This energy-saving system harnesses solar energy and uses it first—before using electricity from the utility company—to power your heat pump. The solar power that's collected can also operate other appliances and electronics when the heating and cooling system is not in use. What's more, if the SunSource system generates more solar power than is needed, that power will be sent back to the utility company, possibly entitling homeowners like you to a utility bill credit. Ask your Lennox Dealer for more information.



The XP21 has earned the ENERGY STAR® Most Efficient 2013 label, which means it is recognized as one of the most efficient products that qualify for ENERGY STAR.

# We're obsessed with the pursuit of creating perfect air, and doing so with absolute efficiency.



Since 1895, Lennox has been on a continuous quest to reinvent home comfort. Perfect air is our purpose and our obsession. Today, that pursuit takes shape in many innovative ways: the most precise and energy-efficient air conditioners, the most efficient and quietest furnaces, heat pumps, Wi-Fi-enabled thermostats, air handlers, air cleaners, small-space comfort systems, boilers and more.



## Peace-of-mind protection

The XP21 comes with a 10-year limited warranty on the compressor and all remaining covered components.\*



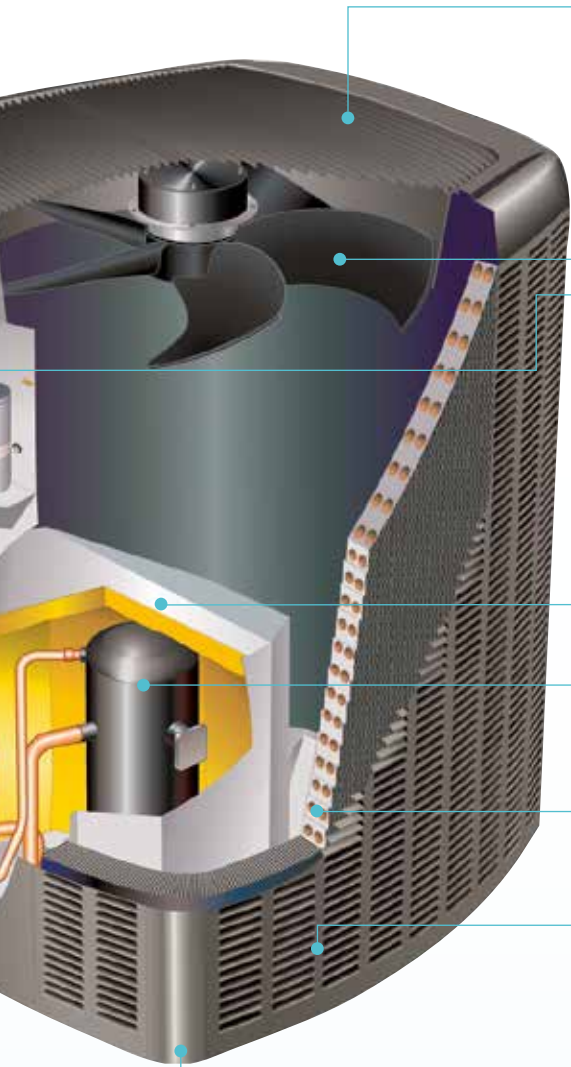
## Dealers you can count on

You can trust Lennox Dealers to design the right system for your home, install it properly and keep it running perfectly for many years to come. Because Lennox has more than 6,000 dealers throughout North America, you can rest assured there's a dealer near you.



## Industry-leading energy innovation

The XP21 is rated at 19.20 SEER and 9.70 HSPF. Compared to conventional cooling systems, it can save you hundreds of dollars on your utility bills each year (see chart on page 3). As one of Lennox' most efficient and advanced energy innovations, it carries a green *Signature* badge and has earned the ENERGY STAR® label. Beyond cost savings, this badge gives you peace of mind in knowing the XP21 is a better choice for the environment.



**SilentComfort™ Fan Grille** – Uses patent-pending, vortex-suppression technology to reduce sound of airflow exiting unit, providing a quieter environment outside your home.

**SilentComfort Outdoor Fan Motor with Composite Fan Blades** – Provides extremely reliable starting and running performance, even under the harshest outdoor conditions.

**icomfort™-Enabled Technology** – Allows the XP21 to exchange information with other home comfort system components and make adjustments as needed to optimize performance and efficiency.

**Humiditrol® Compatible** – Manages the moisture in our home’s air for greater comfort and improved indoor air quality.

**Insulated Compressor Compartment** – Minimizes operating sounds with innovative materials and industry-leading, vibration-isolating mounts.

**Two-Stage Scroll Compressor** – Operates at low stage most of the time for quieter, more efficient performance. Plus, it cools and heats your home using the ozone-responsible R-410A refrigerant.

**High-Efficiency Outdoor Coil** – Provides exceptional heat transfer and low air resistance for high-efficiency operation that can lower your cooling bills.

**PermaGuard™ Cabinet** – Heavy-gauge, galvanized steel construction, louver coil guard, baked-on powder finish and durable zinc-coated steel base provide long-lasting protection against rust and corrosion.

**SmartHinge™ Louver Design** – Allows quick, easy access to interior components from all sides, so the unit can be serviced in minimal time.



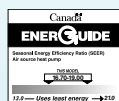
### Dave Lennox Signature® Collection XP21 Specifications

Model	024	036	048	060
SEER	Up to 19.20	Up to 18.50	Up to 17.20	Up to 16.50
HSPF	Up to 9.20	Up to 9.70	Up to 9.20	Up to 9.20
Sound Rating – dB	67	72	73	73
Dimensions HxWxD (in)	37 x 35-1/2 x 39-1/2	37 x 35-1/2 x 39-1/2	47 x 35-1/2 x 39-1/2	47 x 35-1/2 x 39-1/2
HxWxD (mm)	940 x 902 x 1003	940 x 902 x 1003	1194 x 902 x 1003	1194 x 902 x 1003

**Note:** Due to Lennox’ ongoing commitment to quality, all specifications, ratings and dimensions are subject to change without notice. Always verify actual system efficiencies through AHRI or by visiting the AHRI ratings database at [www.ahridirectory.org](http://www.ahridirectory.org). \*Applies to residential applications only. See actual warranty certificate for details.



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).





# A system beyond compare.

Cooling systems from the Dave Lennox *Signature*® Collection deliver even greater efficiency and comfort when combined with other Lennox® products in one system.



### CBX32MV

Quiet, efficient, environmentally responsible air handler for virtually any installation



### PureAir™ Air Purification System

Cleans the air inside your home better than any other single system you can buy



### Healthy Climate Solutions™

Industry-leading dehumidification, plus whole-home ventilation and more



### icomfort Wi-Fi® Thermostat\*

Offers advanced, innovative features like remote access, emailed system alerts, a five-day weather forecast, precise temperature control and much more

\*Must be installed with an icomfort™-enabled indoor unit.

## Matching your system

Replacing only one part of a system may result in a mismatch that compromises energy efficiency. For best performance, it's generally a good idea to replace the entire system at once.

## Optimizing your system

The XP21 offers ultimate comfort and efficiency when it's integrated with the following:

### SunSource® Home Energy System –

Allows you to maximize the energy-saving potential of the XP21's solar-ready design by integrating it with one to 15 solar modules.

**Dual-Fuel Heating** – Gives you the option of pairing the XP21 with a gas furnace in one energy-saving system.



*Innovation never felt so good.®*

For a complete list of the registered and common law trademarks owned by Lennox Industries Inc., please visit [www.lennox.com](http://www.lennox.com).