

**LENNOX**  
Innovation never felt so good.™

*higher level*



DAVE LENNOX  
*signature*  
COLLECTION



**XP21**

The most quiet and efficient heat pump you can buy\*



## 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<sup>™</sup> 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 most quiet and efficient heat pump you can buy.\* And that's taking innovation to a whole new level.



*The XP21 may be eligible for government tax credits, as well as rebate programs from local utility companies. Please consult your tax advisor for more detailed information.*

\*A combination of sound ratings established per AHRI's test standard: 270 and efficiency ratings established per AHRI's test standard: ANSI/AHRI 210/240-2008.



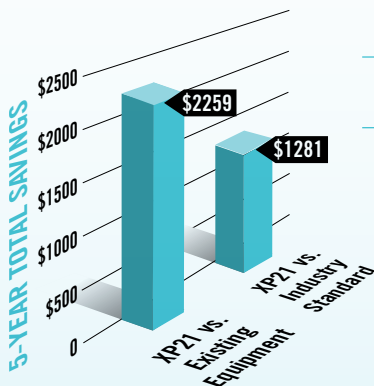
taking innovation to a new level

### An elevated level of efficiency

With industry-leading efficiency ratings of up to 19.00 SEER and 9.50 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 most quiet and efficient 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 19.00. 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 19.00 SEER/9.50 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 650 cooling hours, 2,400 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

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# 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. If frost, ice or dirt builds up on any part of the fan assembly, the motor automatically compensates by operating at a higher starting torque to allow the angled blades to break up the debris.\* The fan then resumes normal operation, keeping the heat pump running at peak efficiency.



The XP21 has earned the ENERGY STAR® label, which means it meets or exceeds guidelines set forth by the U.S. Environmental Protection Agency.

\*Areas that experience significant ice and snow accumulation may require additional optional accessories. Contact your local Lennox Dealer for more information.

SUNSOURCE  
SOLAR  
READY  
Power Ready

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.

# A brand that delivers beyond basic comfort.



Lennox has always been a leading global name in home comfort. Today, we're pushing beyond the traditional parameters of comfort by setting the pace for environmentally responsible climate control.

So, when you choose Lennox, you can feel good knowing you're getting the best. And when you choose the Dave Lennox *Signature*® Collection, you're getting the best of the best. From the world's first riveted-steel furnace to the first solar-assisted heat pump, products from the Dave Lennox *Signature* Collection are engineered to deliver innovation beyond measure.



## Peace-of-mind protection

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

## Dealers you can count on

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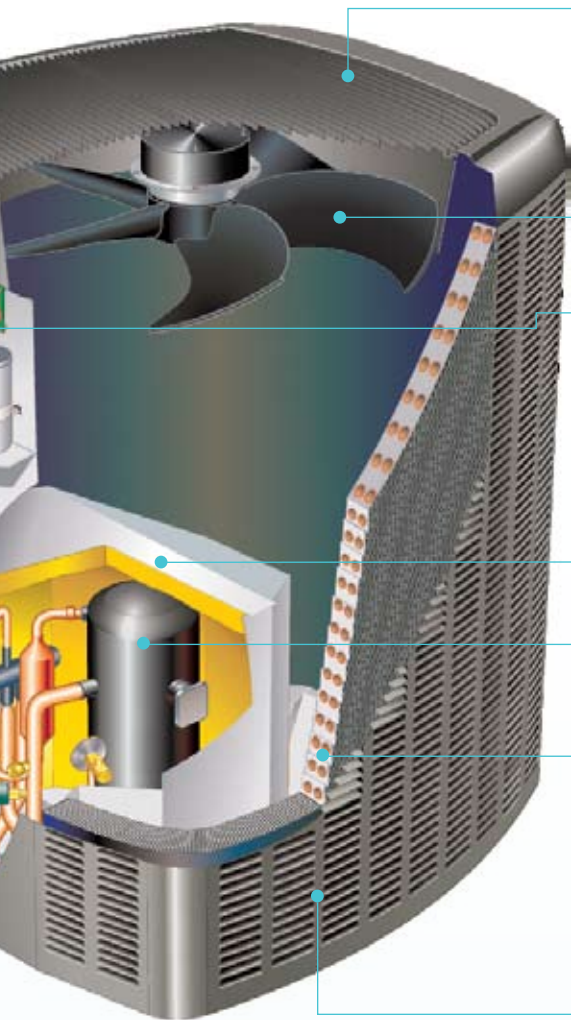
You can trust Lennox Dealers to design the right system for your home, install it properly and keep it running perfectly for many years to come. Because Lennox has more than 6,000 dealers throughout North America, you can rest assured there's a dealer near you.

## Industry-leading energy innovation

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The XP21 is rated at 19.00 SEER. 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 and tax benefits, this symbol 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.

**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.

**SmartHinge™ Louvered Coil Protection** – Provides smooth, efficient and reliable operation.

### Dave Lennox Signature® Collection XP21 Specifications

Model	024	036	048	060
SEER	Up to 19.00	Up to 18.20	Up to 17.70	Up to 16.70
HSPF	Up to 9.50	Up to 9.70	Up to 9.70	Up to 9.70
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.





# 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 Touch™ Thermostat\*

Sleek, full-color touchscreen thermostat features intuitive programming for precise temperature and humidity control

\*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.

**Home Generator** – Offers dependable protection during unexpected power outages. Available in a variety of sizes to meet the needs of every home.



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