



DAVE LENNOX  
*signature*  
COLLECTION

Home Comfort Systems



## XC21

The most quiet and efficient central air conditioner you can buy\*

Optimized for use with the exclusive Humiditrol® whole-home dehumidification system—indoor air quality you can feel



**LENNOX**

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

# Dave Lennox *Signature*<sup>®</sup> Collection XC21 Air Conditioner

Innovation never felt so good.<sup>™</sup>

Patented SilentComfort<sup>™</sup> technology for quiet cooling

Two-stage operation for optimal performance and efficiency

Outstanding efficiency can save you hundreds of dollars each year

Ozone-responsible R410A refrigerant meets the EPA's (Environmental Protection Agency) most stringent environmental guidelines

Optimized for use with the exclusive Humiditrol<sup>®</sup> whole-home dehumidification system\*\*

Lennox<sup>®</sup> System Operations Monitor reviews system performance for additional peace of mind and faster, easier service

SmartHinge<sup>™</sup> louvered access panels for improved coil protection and fast, efficient servicing

ENERGY STAR<sup>®</sup> qualified

Want to beat the heat and high utility bills, without sacrificing comfort?

The XC21 air conditioner more than delivers. Now offering an even greater level of comfort and efficiency, the XC21 takes cooling technology to new heights, so your utility bills can reach new lows.

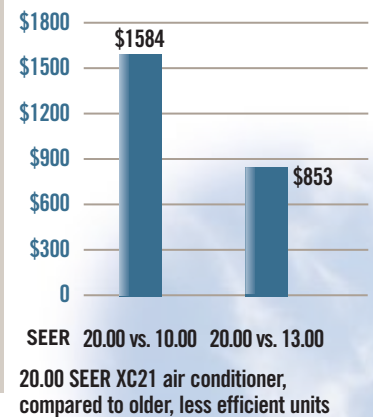
## THE MOST QUIET AND EFFICIENT CENTRAL AIR CONDITIONER YOU CAN BUY\*

Enhanced with innovative new features, the XC21 provides ultra-high-efficiency cooling with two stages of operation. It runs at low stage 80% of the time to reduce energy costs and sound levels. Two-stage operation and exclusive SilentComfort<sup>™</sup> technology provide optimal performance for efficient, quiet cooling.

## Efficient Can save you hundreds of dollars each year on utility bills

With industry-leading efficiencies of up to 20.50 SEER, the XC21 can significantly lower your utility bills.

### 5-YEAR COOLING SAVINGS



This chart compares the 5-year savings you can expect from an XC21 air conditioner vs. units with lower efficiency ratings. The regions used to calculate household fuel and utility costs reflect a cross-section of cities in the U.S. using 2006 Department of Energy national average energy rates. In addition to geography, cooling costs are based on 3-ton capacity specifications, with 1,600 cooling hours per year. Your actual costs will vary depending on the weather, local fuel rates, systems settings and your personal lifestyle.

### EFFICIENCY RATING

Up to 20.50 SEER (Seasonal Energy Efficiency Ratio).

### WARRANTY\*\*\*

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

\*A combination of sound ratings established per ARI's test standard: ARI 270; and efficiency ratings established per ARI's test standard: ANSI/ARI 210/240-2005.

\*\*Must be accompanied by either a variable speed air handler or furnace and the ComfortSense<sup>™</sup> 7000 Series touchscreen thermostat.

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

## Quiet **Approximately 13 times quieter than a standard air conditioner**

The XC21 is engineered with exclusive SilentComfort™ technology for quiet performance. A patent-pending fan design, two-stage operation, and an insulated compressor compartment also keep sound at a minimum.

### SOUND INTENSITY



Note: Manufacturers' public ratings. Typical 80 dB air conditioner/heat pump vs. XC21 operating at 69 dB.

### SUPERIOR MOISTURE CONTROL



ComfortSense™ touchscreen thermostat removes up to 75 gallons per day when combined with select equipment.

When combined with a ComfortSense™ touchscreen thermostat† and Humiditrol whole-home dehumidification system, the XC21 air conditioner can remove up to 75 gallons of moisture from the air per day without over-cooling your home as competing systems can.

†ComfortSense thermostat is required for proper operation of the Humiditrol system on split system air conditioners and heat pumps. ComfortSense will not control the packaged rooftop unit version of the Humiditrol system.

## Responsible

**Conserves energy, while preserving the environment**

The two-stage scroll compressor uses R410A refrigerant, which meets the EPA's standards for ozone and environmental safety.



## Customizable

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

The XC21 gives you the flexibility to choose a Humiditrol whole-home dehumidification system for improved comfort and indoor air quality. The Humiditrol system uses patented technology to provide a level of humidity control never before available.

The Humiditrol dehumidification system also saves you money. Dehumidified air feels cooler, so you can raise your thermostat setting, lower energy costs and still enjoy great comfort. According to the U.S. Department of Energy, you can save 5–7% on your monthly cooling bill for every two degrees you raise your thermostat.



The Humiditrol system also helps to reduce the opportunity for mold and mildew problems present in humid conditions. It customizes your cooling system, providing indoor air quality you can *feel*.

## Reliable Features the exclusive Lennox® System Operations Monitor

Similar to automobile diagnostics, this monitor continually measures system performance, helping technicians solve problems faster and more accurately. It can even send a "Check System" indicator to select thermostats, letting you know when service is needed. That's the kind of worry-free performance Lennox' promise of quality delivers.



Choosing an ENERGY STAR® product like the XC21 air conditioner can help you improve comfort and save energy costs. You may also be able to qualify for utility rebates and tax credits. And, by creating a more efficient home environment, you are contributing to a cleaner global environment.



For other ways to make your home more efficient, visit [www.itpaystolivesmart.com](http://www.itpaystolivesmart.com).

Note: Check with your local utility about rebates in your area. Tax credits are available for certain high-efficiency cooling and heating equipment under the U.S. Energy Policy Act of 2005. For details, visit [www.itpaystolivesmart.com](http://www.itpaystolivesmart.com).

## CUSTOMIZED COMFORT

### The industry's first integrated home comfort solution

The **XC21 Air Conditioner** works with other Lennox® products in a system customized for the needs of your home and lifestyle, providing temperature and humidity control and the cleanest, healthiest air possible.

**G71P Variable-Capacity Gas Furnace** is the quietest furnace you can buy.<sup>††</sup>

**PureAir™ Air Purification System** cleans the air in your home better than any other single system you can buy.

**ComfortSense™ 7000 Series Touchscreen Thermostat** offers the flexibility and energy savings of a programmable thermostat while keeping your indoor air quality systems like Humiditrol whole-home dehumidification system and PureAir air purification system performing effectively and efficiently.

**Harmony III™ Zoning System** provides customized, room-to-room comfort.

**Humiditrol® Whole-Home Dehumidification System** offers enhanced moisture control and indoor air quality.

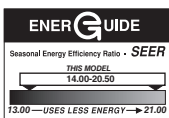


Listed in the GreenSpec™ Directory, a leading resource of environmentally responsible products.

### Dave Lennox Signature® Collection XC21 Specifications

XC21	024	036	048	060
SEER	Up to 20.50	Up to 20.00	Up to 18.10	Up to 17.00
Sound Rating – dB	69	71	73	73
Dimensions HxWxD (in.)	47 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	47 x 35-1/2 x 39-1/2
HxWxD (mm)	1194 x 902 x 1003	1194 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.



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).



Lennox is proud of the fact that these products have earned the Good Housekeeping Seal.



<sup>††</sup>Based on sound pressure levels during steady-state, high-fire and low-fire operation of Lennox G71P-36B-070 and leading competitive units at mid-point temperature rise and minimum external static pressure when set up per Section 4.5.3 of ARI 260.



## OUTSTANDING FEATURES FOR EXCEPTIONAL QUALITY, COMFORT AND EFFICIENCY

### SilentComfort™ Fan Grille –

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

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

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

### SilentComfort™ Fan Blade with Variable Speed Direct-Drive Blower –

Provides ultra-quiet, energy-efficient operation with a patent-pending design.

### Insulated Compressor Compartment –

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

### Two-Stage Scroll Compressor –

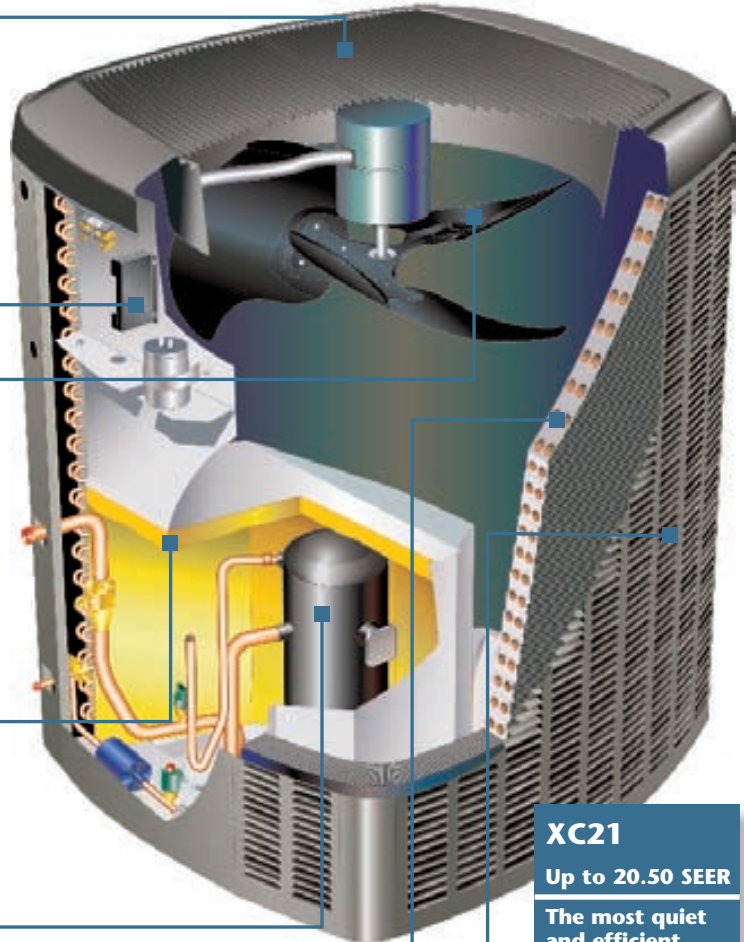
Operates at low stage most of the time for quieter, more efficient performance. Plus, it cools your home using the ozone-responsible R410A refrigerant.

### 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 –

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

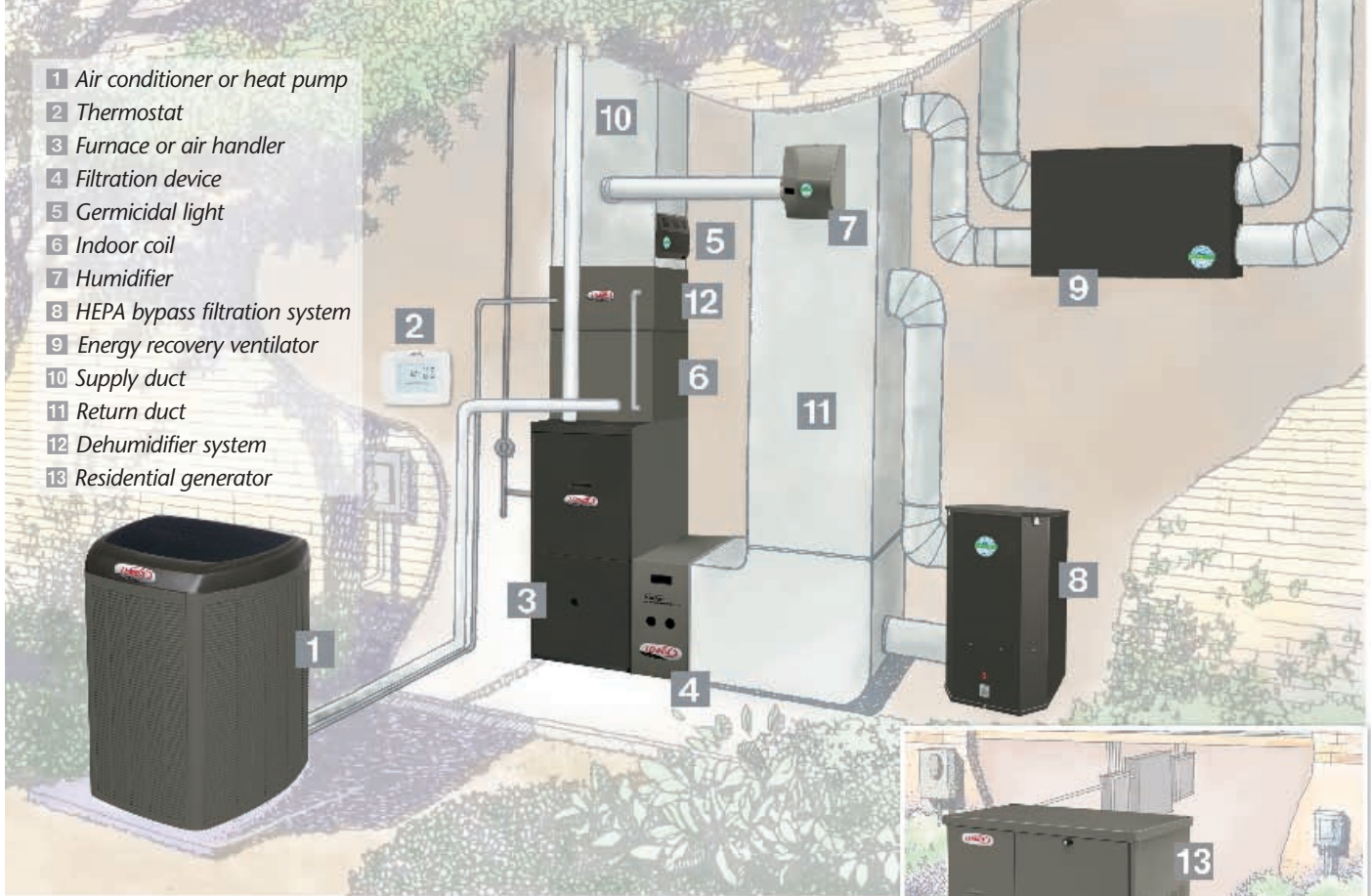


**XC21**  
Up to 20.50 SEER  
The most quiet and efficient central air conditioner you can buy.\*  
ENERGY STAR® qualified



*Quality you can trust.*  
Constructed of heavy-gauge, pre-painted steel and tested in the most extreme environments to ensure maximum durability.

\*A combination of sound ratings established per ARI's test standard: ARI 270; and efficiency ratings established per ARI's test standard: ANSI/ARI 210/240-2005.



- 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



## 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.

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