



DAVE LENNOX
signature
COLLECTION

Home Comfort Controls



Humiditrol® Whole-Home Dehumidifier System

Total home comfort for optimal indoor air quality and moisture control



HOME COMFORT SYSTEMS
Innovation never felt so good.™



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Humiditrol® Whole-Home Dehumidifier System

Designed to easily integrate with all Lennox® R410A cooling products to provide optimal comfort, indoor air quality and energy efficiency

Helps reduce humid conditions in the home, reducing the opportunity for mold and mildew problems

Optimized for use with the XC21 air conditioner and XP19 heat pump

Indoor air quality you can feel

High levels of humidity can make your home feel sticky and potentially create a breeding ground for mold, mildew, dust mites and bacteria. The exclusive Humiditrol® whole-home dehumidifier system manages the moisture in your home's air for greater comfort and improved indoor air quality.

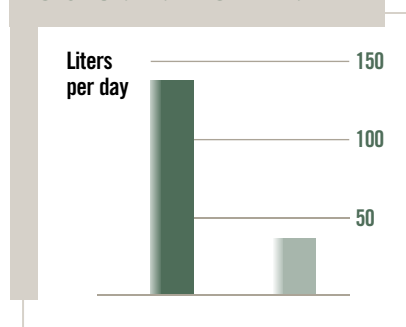
It's truly indoor air quality you can feel!

THE IDEAL CHOICE FOR OPTIMAL COMFORT AND AIR QUALITY

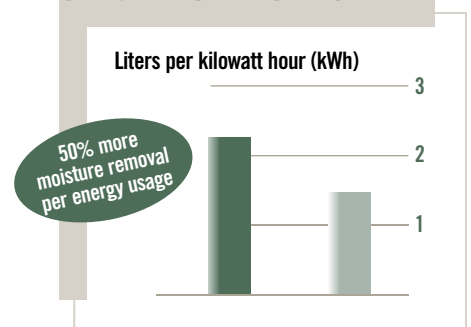
Working with your variable speed central air-conditioning system and *SignatureStat*™ home comfort control,** the Humiditrol whole-home dehumidifier system controls humidity throughout the home, removing moisture effectively and efficiently. By maintaining optimal humidity, this accessory not only makes your home environment more comfortable—it also helps make it healthier by minimizing the impact of many potential airborne pollutants.

The Humiditrol® whole-home dehumidifier system outperforms conventional dehumidifiers. Here's how the Humiditrol system compares to a 30 liter/day, ENERGY STAR®-qualified dehumidifier:

MOISTURE REMOVAL RATE***



OPERATING EFFICIENCY***



■ Humiditrol® EDA-036 with Dave Lennox *Signature*™ Collection XP19-036 and a *SignatureStat*™ home comfort control

■ 30 liter/day dehumidifier with ENERGY STAR®-qualifying Energy Factor of 1.5 liter/kWh

WARRANTY*

5-year limited warranty on covered components.

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

***SignatureStat*™ is required for proper operation of the Humiditrol® system on split system air conditioners and heat pumps. *SignatureStat* will not control the packaged rooftop unit version of the Humiditrol system.

***Performance information is for 82°F outdoor temperature and indoor conditions per ANSI/AHAM dehumidifier test standard DH-1.

Balanced Humidity for a Healthier, More Comfortable Home

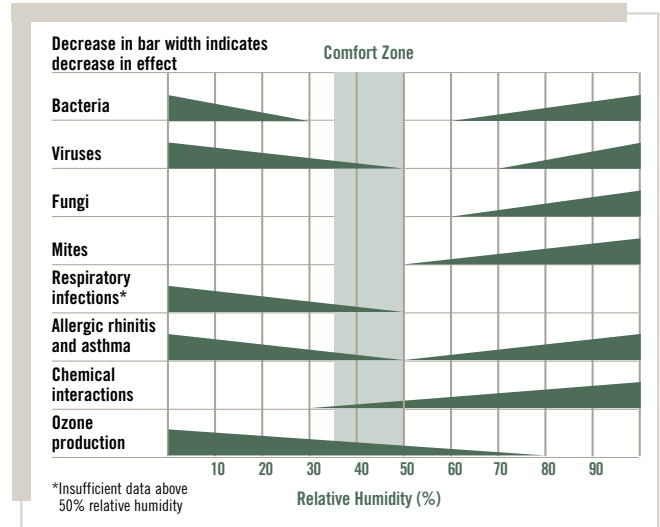
Lennox' own indoor air quality experts and national studies indicate that for optimal comfort and health, your home's relative humidity levels should range between 35 and 50 percent.

EFFECTS OF HUMIDITY

	Low Humidity (0-35% relative humidity)	High Humidity (50% relative humidity or higher)
Comfort	Makes you feel cooler than actual temperature	Air feels warm and damp
	Makes you fatigue easily	
Health	Dry skin/throat	Mold, mildew and dust mite growth, which can aggravate allergies and asthma
	Higher risk of bacterial and viral infections and respiratory ailments	
	Joint and muscle pain	
	Sore eyes	
Home	Warping and splitting of furniture and woodwork	Condensation or frost on windows

Depending on the season, the RH (relative humidity) in your home should range between 35% and 50%.

OPTIMAL COMFORT ZONE



Source: ASHRAE, adapted from Sterling et al., 1985

Comfortable

Provides unparalleled cooling comfort

Patented Humiditrol® technology removes moisture from sticky indoor air, making you feel more comfortable, without overcooling your home.

Drier air feels cooler, so you may be able to set your thermostat higher and feel more comfortable.

Responsible

Optimized for use with the new, EPA-approved R410A refrigerant

Available with select Lennox® cooling systems, the R410A refrigerant meets the EPA's (Environmental Protection Agency) standards for environmental safety. R410A contains no chlorine, so it's ozone-responsible.



Simple Removes moisture from your home's air without the installation complications of competing whole-home systems

The Humiditrol® dehumidifier system installs in your existing duct system, eliminating the need for substantial space.

Healthier Minimizes pollutant growth

Dehumidification can help balance indoor humidity levels throughout the home. For optimal comfort and health, Lennox recommends a setting of 50% RH (Relative Humidity). When moisture levels are high, the potential for mold and other pollutant problems increases.†

For every two degrees you raise your thermostat in the summer, you save **5-7%** on your cooling bill.

Source: U.S. Department of Energy

†Humiditrol® whole-home dehumidifier system does not kill or eliminate mold, mildew or bacteria.

CUSTOM COMFORT SOLUTIONS

The industry's first integrated home comfort solution

The patented Humiditrol® Whole-Home Dehumidifier System is designed to easily integrate with other quality Lennox® products for complete, customized comfort:

SignatureStat™ Home Comfort Control – Precision humidity and temperature control in one easy-to-use device

- ◆ Allows you to fine-tune your comfort according to your specific needs
- ◆ Signals the dehumidifier to remove moisture as necessary to ensure your complete comfort

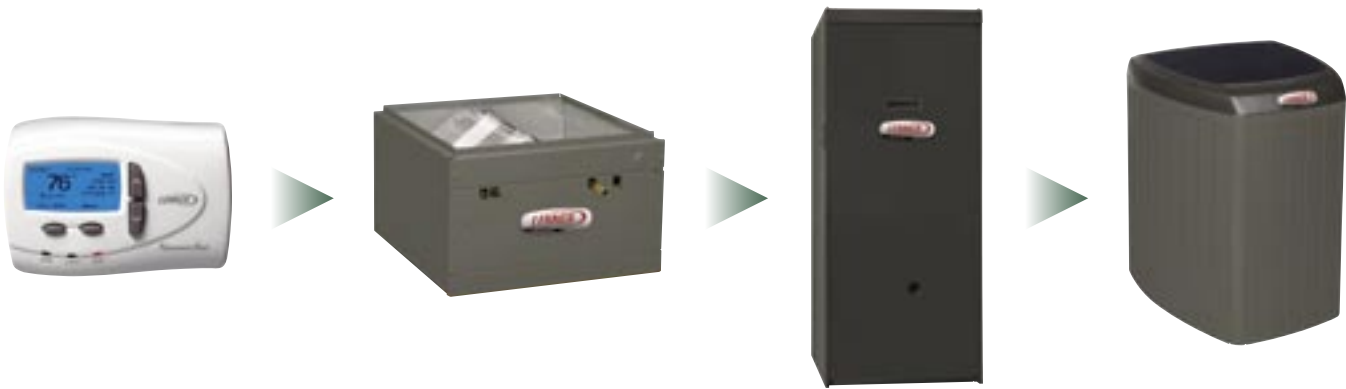
G61V Variable Speed Gas Furnace – The quietest furnace you can buy†† or

CBX32MV Variable Speed Air Handler

- ◆ Engineered for the ultimate in quiet, efficient operation
- ◆ Uses two-stage, variable speed operation to minimize up-and-down temperature changes

XC21 Air Conditioner or XP19 Heat Pump – The most quiet and efficient central air conditioner or heat pump you can buy†††

- ◆ Engineered with exclusive SilentComfort™ technology for smooth, quiet cooling
- ◆ Runs mostly at low speed to maximize your comfort, while minimizing your energy costs
- ◆ Features the exclusive Lennox® System Operations Monitor for additional peace of mind and faster, easier servicing



If the household humidity level exceeds setpoint, the *SignatureStat* control activates the Humiditrol dehumidifier, which then works with your heating and cooling system to remove excess moisture from the air. Together, these systems control humidity for enhanced comfort and air quality.

Quality you can trust.

Designed with reliable, time-tested components.

Optimal Humiditrol® system requirements:

- ◆ Humiditrol whole-home dehumidifier system
- ◆ *SignatureStat*™ home comfort control
- ◆ Lennox® variable speed furnace or air handler
- ◆ XC21 air conditioner or XP19 heat pump

Minimum Humiditrol system requirements:

- ◆ Humiditrol whole-home dehumidifier system
- ◆ *SignatureStat*™ home comfort control
- ◆ Lennox variable speed furnace or air handler
- ◆ Lennox air conditioner or heat pump with R410A refrigerant

††Based on sound pressure levels during steady-state, high-fire operation of Lennox G61MPV-36B-070 and leading competitive units at midpoint temperature rise and minimum external static pressure when set up per Section 4.5.3 of ARI 260.

†††A combination of sound ratings established per ARI's test standard: 270 and efficiency ratings established per ARI's test standard: ANSI/ARI 210/240-94.

THE PROBLEM OF HIGH HUMIDITY

A common measure of humidity is the dew point, the temperature at which condensation occurs. When the outdoor dew point is high, your home's humidity will also be high. That's because air from the outside enters your home through windows, doors, vents, cracks and other openings.

As outdoor moisture mixes with warm indoor air, humidity levels increase. Household activities like cooking, showering and doing the laundry also affect indoor humidity.

During the summer, many people try to cope with high humidity by lowering their thermostats while their air conditioners are in operation. But this can increase utility bills and make homes feel too cold, rather than comfortable. Plus, during months with milder temperatures, the air conditioner may not control humidity as well because it only runs when the temperature rises above the thermostat setpoint.

HUMIDITY CONTROL



In many parts of North America, humidity control can even be an issue based on time of day. Humidity levels are high in the morning but mild temperatures keep the air conditioner from running. Independent humidity control is required until the humidity is "burned off" later in the day.

AN INNOVATIVE SOLUTION TO A STICKY SITUATION

The Humiditrol® whole-home dehumidifier system uses patented Lennox® technology to deliver a level of comfort beyond what's provided by traditional cooling systems. It helps control the amount of moisture in your home's air, so you can enjoy greater comfort and healthier air quality—season after season, year after year.



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.

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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