



# LENNOX

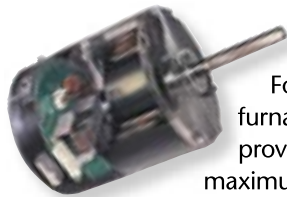
INNOVATION NEVER FELT SO GOOD.™

**Why should I choose a variable speed furnace for my home?**

## We're Glad You Asked!

There are many reasons for choosing a variable speed furnace, but the main reason is comfort. The term "variable speed" refers to the furnace's fan motor, which moves at different speeds to precisely control the flow of heated and cooled air throughout your home. Better airflow control means a better balance of temperature and humidity.

### HOW IT WORKS

 For any furnace, providing maximum comfort means achieving the proper amount of airflow. This is true for both heating and cooling operation.

Unlike conventional single-speed motors, a variable speed motor runs at a wide range of speeds. Using intelligent technology, it continually monitors incoming data from your heating and cooling system, and it automatically makes the adjustments necessary to meet your comfort needs.

The motor varies the amount of air circulated, compensating for factors like dirty filters by increasing speed. Put simply, it delivers just the right amount of air necessary to provide the desired level of heating and cooling comfort.

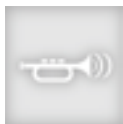
### MORE COMFORT AND EFFICIENCY, WITH LESS SOUND



**More comfort.** Variable speed home comfort systems like the Dave Lennox *Signature*™ Collection G61V and G60V gas furnaces precisely regulate airflow to provide better control of temperature, humidity and air distribution.



**More efficiency.** Compared to a conventional single-speed furnace, a Lennox® variable speed furnace performs better and uses about two-thirds less electricity. During cooling operation, variable speed technology typically results in an efficiency gain of 1 SEER (Seasonal Energy Efficiency Ratio). The higher the SEER, the lower your utility bills.



**Less sound.** A variable speed furnace also ensures quieter operation. At Lennox, we call this SilentComfort™—a technology that combines variable speed operation with sound-reducing design. The furnace slowly ramps up to speed, so there's no sudden "kick" or blast of air at startup.

### BETTER INDOOR AIR QUALITY



**Cleaner air.** When the furnace is not heating or cooling and the fan is in constant operation (indicated by the "Fan" setting on your thermostat), a Lennox variable speed furnace will continue to slowly and inexpensively circulate air throughout your home. This allows your filters to capture more contaminants (because air is constantly passing through them), so you can breathe easier.



**Enhanced humidity control.** When moisture levels are high, there's a higher potential for mold growth and other pollutant problems. Compared to a single-speed furnace, a variable speed furnace is more effective at drawing moisture from the air for improved air quality and comfort.

### Calculating Your Energy Savings

The variable speed motor will typically use only about 75 watts of power per hour, compared to a conventional blower that uses about 400 watts. Thus, over the course of one year, you can expect to **save money on your electric bill** with a variable speed motor.

Use this simple formula to calculate your potential energy savings, based upon your existing power costs per kilowatt-hour:

**Example:** 2,847 kilowatts\* x \$.80/kW/h = up to \$240 in energy savings per year

**Note:** Savings are based on an HVAC system that is always operating either in heating, cooling or "Fan" mode.

*\*Average kilowatts saved per year is calculated by saving 325 watts of power per hour with a variable speed motor using 75 watts per hour, versus conventional blower motors using 400 watts per hour, times 8,760 hours in a year, equals 2,847,000 watts/1000, which equals 2,847 kilowatts.*



HOME COMFORT SYSTEMS  
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