NuTone®

Extra high performance gas furnaces

iQ DRIVE® MODULATING FURNACES
97+% AFUE



ecoLogic®

ENERGY STAR

iQ Drive® READY

iSEER®

EXTRA HIGH PERFORMANCE GAS FURNACES

iQ Drive® 97+% AFUE Modulating

NuTone's furnaces are up-to-speed with the expectations of today's comfort-minded and energy-conscious consumer. Providing the latest modulating technology, it stands to reason that these furnaces will cost more up-front. But over the lifetime of your initial investment, they'll provide unparalleled comfort, the quietest operation, and significant improvements in indoor air quality.

Likewise, they'll pay back dividends providing energy savings worth hundreds of dollars per year along with reduced maintenance costs.

Hello, comfortable home. Goodbye, uncomfortably high energy bills.

The iQ Drive fully modulating gas furnace by NuTone is the epitome of comfort, convenience and quiet. It continuously adjusts its heat output to exactly match the needs of your home – so you maximize your energy efficiency while enjoying constant comfort.

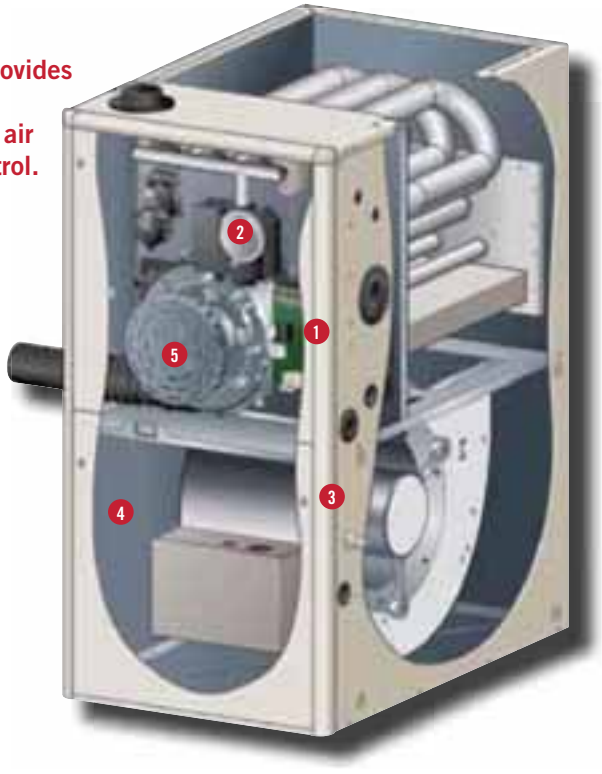
Constantly comfortable.

The NuTone iQ Drive furnace operates anywhere from 15% to 100% of its capacity, based on your home's needs. The furnace analyzes the indoor temperature every 60 seconds and adjusts its percentage of firing accordingly. You'll notice a more uniform mix of air throughout your home, with virtually no hot or cold spots.

Exceptionally quiet.

You shouldn't have to turn up the volume just because the furnace kicked on. With the iQ Drive fully modulating furnace, the quiet motor is encased in an insulated cabinet for ultimate sound reduction. The three-phase motor design produces a very low torque ripple, and because it ramps up to speed, it minimizes the abrupt change in sound found when a standard single-stage furnace motor cycles on and off. The overall effect is a furnace whose comfort is felt, but not heard.

Modulating technology provides maximum efficiency with improved comfort, indoor air quality and humidity control.



1. SmartLite® control board programs igniter to adapt to furnace's heat-up characteristics extending igniter life
2. Advanced gas valve technology combined with iQ Drive controller provides 15% to 100% modulation range providing superior comfort
3. Galvanized steel cabinet for added strength and durability
4. Fully insulated cabinet and blower compartment for quieter operation
5. Variable-speed inducer provides ultra-quiet operation

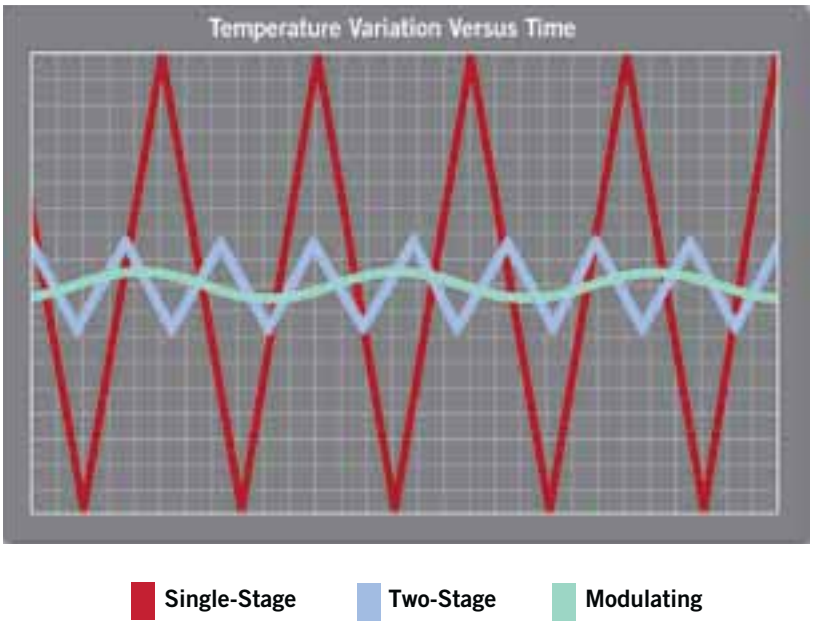


Modulating versus single-stage versus two-stage.

To understand modulating technology, just think of your car. A modulating furnace operates much like your cruise control, constantly making small adjustments to keep the car at its desired speed. It's a fuel-efficient way to drive, and also more comfortable than the lurching that comes with rapid acceleration and deceleration.

A single-stage system shuts on and off at full output only, similar to driving with either a lead foot or completely off the accelerator.

A two-stage system operates at two heat inputs, similar to driving at one of two available constant speeds. Two-stage heat is more comfortable than single-stage heat, but a fully modulating system provides the best comfort solution.



	Modulating	Upflow/ Horizontal	Extra Cooling Efficiency	iQ Drive® Ready	ENERGY STAR	ecoLogic®
97+% AFUE	✓	✓	iSEER®	✓	✓	✓

TOTALLY CONVENIENT

Technically it's a thermostat, although "power center" would be a more appropriate name. The iQ Drive® furnace is controlled by the iQ Drive thermostat, which means you have complete control over your home's indoor environment. With the iQ Drive controller, you can:

- Program times to automatically increase or decrease temperature settings based on when you're home, an energy-efficient way to manage your comfort.
- Control a whole-home humidifier. Ask your contractor about a coordinating NuTone humidifier.
- Set reminders for changing the air filter. Your contractor can also program indoor air quality component maintenance reminders.
- Manage maintenance or servicing issues. The thermostat will flash red if the system needs to be serviced. Once at your home, your NuTone contractor can use the thermostat to identify the furnace error, saving time on the service call.



NuTone iQ Drive fully modulating gas furnaces feature iSEER® technology for greater comfort year round. This unique technology increases the energy efficiency of your cooling system. The energy performance of a cooling system is rated by SEER (Seasonal Energy Efficiency Ratio). The higher the SEER, the more energy efficient the product. NuTone gas furnaces with iSEER can boost the energy efficiency up to one SEER point during the cooling season. For more information on energy-efficient cooling systems, please ask your NuTone contractor, or go to www.nutonehvac.com.

iSEER® INSIDE

What AFUE means to your bottom line.



3-Year Heating Savings
97+% AFUE unit vs. 65% AFUE unit.

AFUE stands for Annual Fuel Utilization Efficiency and measures the amount of heat actually delivered to your house compared to the amount of fuel supplied to the furnace. For example, a furnace that has an 80% AFUE rating converts 80% of the fuel to heat – the other 20% is lost through the chimney. The higher the rating, the better the energy efficiency.

Most systems older than 10 years are rated around 65% AFUE. Upgrading to a NuTone iQ Drive modulating furnace rated at 97% AFUE can save around $560 a year on energy costs. And of course, as the cost of natural gas rises, so will your savings.

Dollar amounts computed at $.092 ccf, for 2,000 full-load heating hours and a system rated at 60,000 Btuh. Actual savings may vary depending on climate conditions, fuel rates, and patterns of usage according to individual lifestyle.

Incredibly energy efficient, even in the summer.

Why spend money to heat the outdoors? With the NuTone iQ Drive® modulating furnace, at least 97% of your energy cost goes into heating your home – instead of up the chimney.

The NuTone iQ Drive furnace works with any NuTone split-system air conditioner or heat pump and actually makes your outdoor unit more efficient. On a 13- or 14-SEER air conditioner or 14-SEER heat pump, the iQ Drive furnace will increase SEER up to another point – in essence, boosting your outdoor unit's cooling efficiency by up to almost 8%.

Of course, for the ultimate in efficiency and home comfort, pair the iQ Drive modulating furnace with the NuTone iQ Drive air conditioner or iQ Drive heat pump. At up to 20 SEER, the iQ Drive air conditioner is an excellent choice for geographies where maximum cooling efficiency is needed. In areas where heating efficiency is also desired, consider the up to 19 SEER/10.0 HSPF (Heating Season Performance Factor) iQ Drive heat pump. It operates in the summer the same as an air conditioner, but also provides heat in the winter. The iQ Drive air conditioner and heat pump works similarly to the modulating furnace, adjusting its speed to meet the exact needs of your home. With this ultra-efficient system, you can be constantly comfortable no matter what the weather.



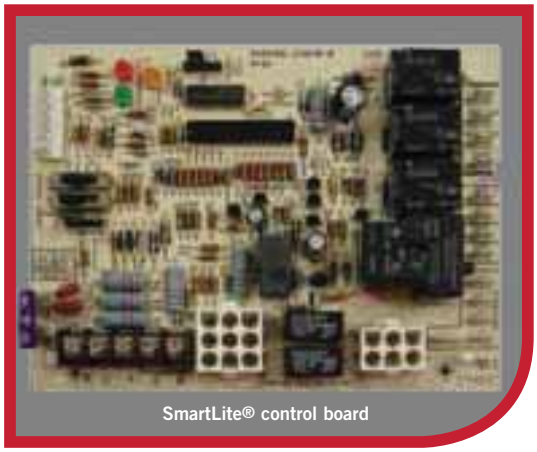
Pair your iQ Drive furnace with the NuTone iQ Drive up to 20 SEER air conditioner or iQ Drive up to 19 SEER/10.0 HSPF heat pump.

The inside story.

NuTone gas furnaces with SmartLite® control boards provide extended life to igniters in furnaces using hot surface ignition technology. They are programmed to learn the heat-up characteristics of the igniter, then adapt the ignition time to the characteristics of the furnace so the igniter is energized appropriately.

NuTone employs hot surface ignition systems (HSI) in our residential furnace products. These use an igniter which, when energized, rapidly generates an intense heat sufficient to ignite the fuel gas.

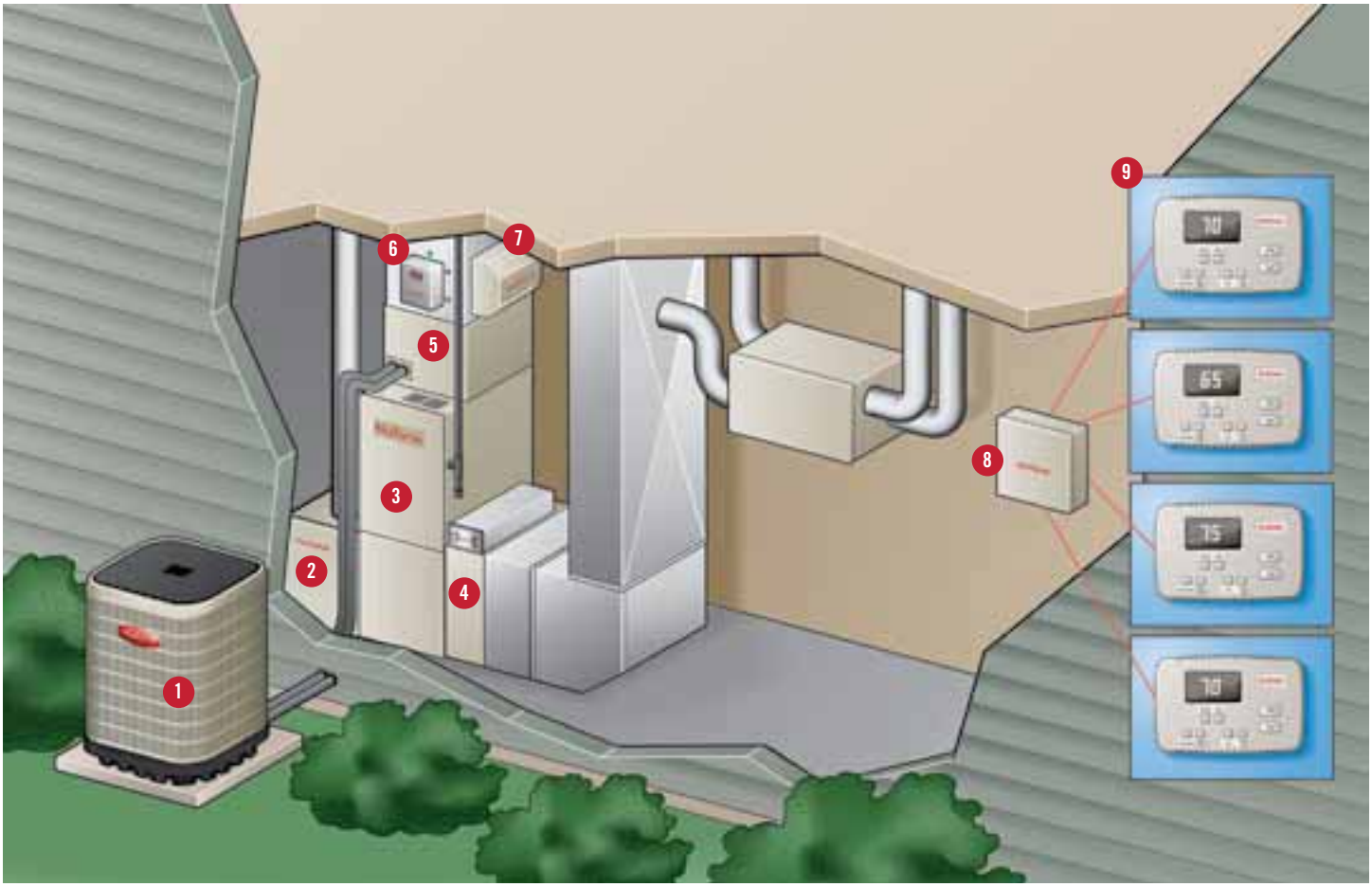
The SmartLite control board contains a program that varies the igniter heat-up time interval. It learns the heat-up characteristics of the igniter in the furnace by searching for the threshold of ignition failure. It then adjusts the heat-up interval on the next trial accordingly. This is accomplished by microchip software reprogramming.



SmartLite® control board



NUTONE COMFORT SYSTEM



1. Air conditioner or heat pump
2. HEPA air cleaner
3. Gas furnace or air handler
4. Electronic air cleaner
5. Evaporator coil
6. UV air purifier
7. Humidifier
8. Zone control panel
9. Programmable thermostat

Breathe Easy, Save Big

Comfort is nice, but saving money on monthly heating costs is even better. An economical modulating gas furnace can also reduce your energy bills by hundreds of dollars each season when compared to older, inefficient furnaces. So when utility bills come due, you can breathe a lot easier.

Helping to save Mother Earth.

ENERGY STAR® Certified. Awarded by the U.S. Department of Energy and the Environmental Protection Agency for helping to conserve energy, promote cleaner air and prevent global warming. To qualify, gas furnaces must have an AFUE of 95% or higher. Split system air conditioners and heat pumps must have a 15.0 SEER rating or higher and an EER of 12.5 or higher. Split system heat pumps must also have an HSPF of 8.5 or higher.

With even more stringent efficiency requirement than ENERGY STAR®, the ecoLogic® seal is your sign of environmentally friendly, high-efficiency heating and cooling products. Only the most energy-efficient, most environmentally responsible units receive our ecoLogic seal of quality.

Energy Definitions.

AFUE – Annual Fuel Utilization Efficiency
It measures the amount of heat actually delivered to your house compared to the amount of fuel that you must supply to the furnace. Thus, a furnace that has an 80% AFUE rating converts 80% of the fuel that you supply to heat – the other 20% is lost out of the chimney.

SEER—Seasonal Energy Efficiency Ratio
Measures cooling performance on air conditioners, heat pumps and gas/electric package product.

HSPF—Heating Seasonal Performance Factor
It is a measure of the average number of Btu of heat delivered for every Watt-hour of electricity used by the heat pump over the heating season.

As ratings increase, so does unit efficiency.



NuTone 10-Year Limited Warranty

10-Year All Parts
When a product is truly built to exacting standards of quality and durability, the manufacturer's confidence is reflected in its warranty. NuTone heating and cooling products offer one of the best warranties in the business— 10 years on all parts when product is registered. See warranty details for more information.

10-Year NuTone Quality Pledge
If the heat exchanger (the major component of your furnace) or the compressor (the most important part of your air conditioner and heat pump) fails within the first 10 years when registered, we'll replace the product with like product under the NuTone Quality Pledge program. A matched system is required to qualify for the NuTone Quality Pledge.

Limited Lifetime Heat Exchanger Warranty
When you register your new NuTone furnace or gas/electric packaged system, we will also extend the heat exchanger warranty from 20 years to the limited lifetime heat exchanger warranty.

10-Year on Air Handlers & Coils
When you install and register your new NuTone air handler or coil with your new NuTone system, we will also extend the warranty to the 10-Year Limited Parts Warranty.

10-Year on Indoor Air Quality Products & Zoning Products
When you install and register any of our NuTone Indoor Air Quality or Zoning with your new NuTone system, we will also extend the accessory warranties to the 10-Year Limited Parts Warranty.

Commercial Applications
Equipment utilized in commercial applications carries a 1-Year parts warranty, 5-Year compressor warranty and a 10-Year heat exchanger warranty.

Warranty Registration
To assure you take advantage of these longer warranties, register your system within 60 days of installation (or within 60 days of occupancy of a new residentially constructed home with these products) at www.nutonehvac.com. See warranty details for more information.

Extended Warranty Protection
While your NuTone warranty covers parts, it does not cover the cost of labor charged by your contractor for service and repair. However, extended labor protection plans are available to cover labor costs associated with repairs. Your contractor may offer various coverage plans; we recommend you look for the Contractors' Preferred Protection Plan brand approved for NuTone.





* Warranties not registered default to 5 years.

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