NuTone®

High performance gas furnaces

TWO-STAGE FIXED-SPEED AND VARIABLE-SPEED FURNACES 96%, 95.1% & 80% AFUE



HIGH PERFORMANCE GAS FURNACES

96%, 95.1% & 80% AFUE Two-Stage, Fixed- & Variable-Speed

NuTone®'s furnaces are up-to-speed with the expectations of today's comfort-minded and energy-conscious consumer. Providing the latest two-stage, fixed- and variable-speed 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 to indoor air quality.

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

Two-stage technology that quietly upstages the rest.

On mild days, which statistically average about 80% of the heating season, a furnace that idles down to a reduced heating capacity improves comfort and reduces sound.

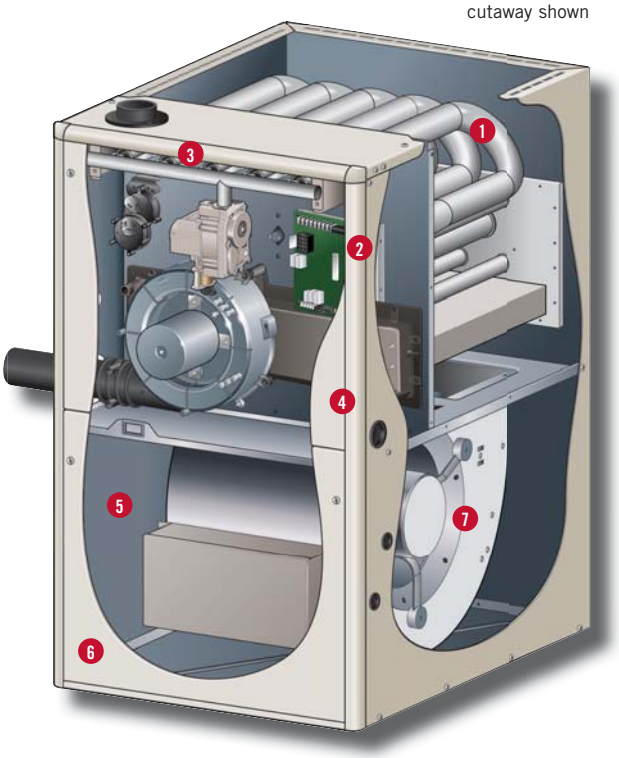
NuTone's innovative two-stage furnaces with blowers powered by variable-speed motors are built with this purpose in mind. In the first stage, or low-fire mode, these furnaces use approximately 68% of their total heating capacity running more slowly, quietly and efficiently. Then, during colder extremes when maximum output is finally needed, a second stage boosts fuel flow while the blower ramps up variably to maximum speed. Ramping gradually through heating cycles increases quiet performance.

Since air is circulated at longer cycles more continuously, room temperatures are balanced and more comfortably mixed. Temperature swings are reduced to barely a couple of degrees and hot and cold spots are minimized.

1. Heavy-gauge aluminized steel heat exchanger
2. SmartLite® control board programs igniter to adapt to furnace's heat-up characteristics, extending igniter life
3. Multiport, in-shot burner design and location of inducer and air vents assures cleaner, more-efficient combustion
4. Galvanized steel cabinet for added strength and durability
5. Fully insulated cabinet (with air leakage of less than or equal to 2%) and blower compartment for quieter operation
6. Silicone-polyurethane finish provides superior scratch and corrosion resistance for looks that last
7. A Energy-efficient, ECM variable-speed or multi-speed direct-drive motor provides higher torque and operating speeds for improved airflow capacity

   B Smoother motor operation reduces noise and lowers winding temperatures that help to extend bearing-life of the motor

95.1% AFUE Two-Stage
cutaway shown



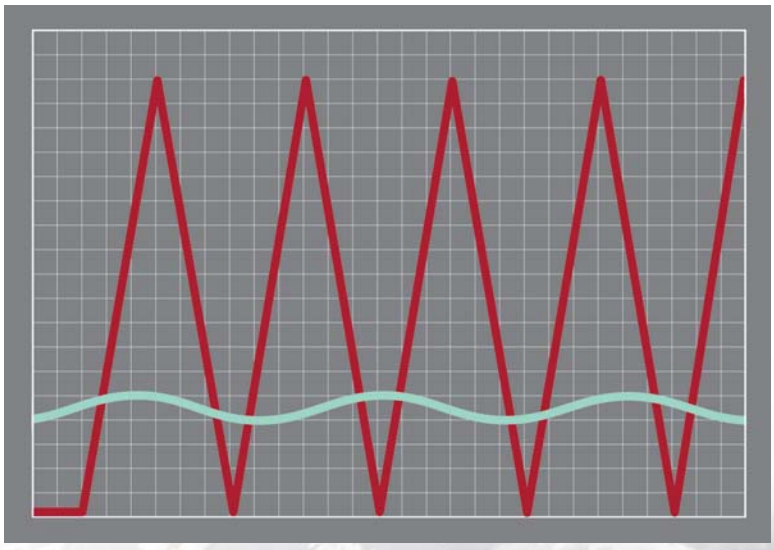
	Two-Stage	Dedicated Upflow	Upflow/ Horizontal	Downflow	ECM Motor	iQ Drive® Ready	ecoLogic®	ENERGY STAR
96% AFUE Variable-Speed	✓	✓		✓	✓	✓	✓	✓
95.1% AFUE* Variable-Speed	✓		✓		✓	✓	✓	✓
80% AFUE* Variable-Speed	✓		✓	✓	✓	✓		
96% AFUE Fixed-Speed	✓	✓		✓	✓			✓

* If installed in SCAQMD only: These furnaces do not meet the SCAQMD Rule 1111 14 ng/J NOx emission limit (14 ng/J), and thus are subject to a mitigation fee of up to $450. These furnaces are not eligible for the Clean Air Furnace Rebate Program: www.CleanAirFurnaceRebate.com.

The benefits of variable-speed vs. fixed-speed.

Conventional fixed-speed system shuts on and off at full output only
- Uses more energy
- Creates uncomfortable temperature swings
- Produces hot and cold spots
- More contaminants in air due to less filtration
- Reduced humidity control

Advanced variable-speed system runs continuously, adjusting output to match conditions
- Uses less energy
- Ramps up gently, eliminating uncomfortable temperature swings
- Eliminates noisy on/off cycles
- Continuous air flow improves filtration and humidity control
- Balances temperatures and minimizes hot and cold spots



Fixed-Speed Variable-Speed

Two-stage, variable-speed technology provides maximum efficiency with improved comfort, indoor air quality and humidity control.

ECM blower motor technology.

This technology under normal operating conditions ensures constant comfort for the homeowner because the motor will automatically maintain its programmed level of airflow even if there are dynamic changes in static pressure. Better indoor air quality can be achieved quietly and inexpensively with the ECM blower motor because it can be set to run continuously at reduced airflow levels, between heating or cooling cycles. This allows the air to be filtered without excessive drafts and without sacrificing efficiency.

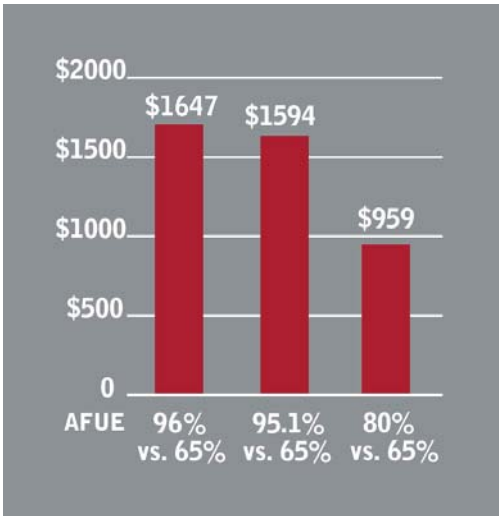


NuTone® iQ Drive® Ready furnaces.

iQ Drive Ready furnaces can work with a NuTone iQ Drive air conditioner or heat pump right out of the box – no additional kits are needed. If you would like to dramatically lower your electric bills in the summer, consider one of these iQ Drive outdoor units. They achieve the industry's highest cooling efficiencies and are incredibly quiet. Your NuTone contractor can tell you more.

iQ Drive®

ENERGY STAR



3-Year Heating Savings
96% AFUE unit vs. 65% AFUE unit.

What AFUE means to your bottom line.

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 gas furnace rated at 96% AFUE can save around $540 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.

Motor comparisons at a glance.

Standard PSC Motor	Fixed-Speed ECM Motor
Minimal speed ranges.	16 heating speeds and 16 cooling speeds.
Lower efficiencies.	Highly efficient; can boost outdoor unit SEER by up to one point. Uses less electricity during heating and cooling cycles than conventional blower motor.
No programmable features.	Can program speeds to match home's unique needs.

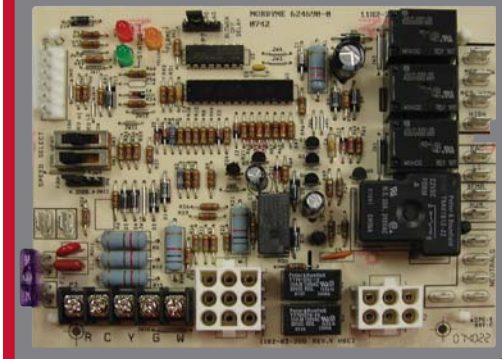
Standard PSC Motor	Variable-Speed ECM Motor (includes fixed-speed benefits)
Runs at one speed and cycles on and off.	Automatically changes its speed and makes adjustments to maintain constant airflow.
Poor dehumidification.	Helps control humidity levels and improves dehumidification.
Creates hot and cold spots in home.	Helps mix air to reduce hot and cold spots while reducing stagnation.
Noisy. Runs more often at higher, louder speeds and makes an abrupt change in sound when system cycles on and off.	Quiet. Motor design produces very low torque wave. Motor ramps up to speed, minimizing abrupt sound changes.

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.

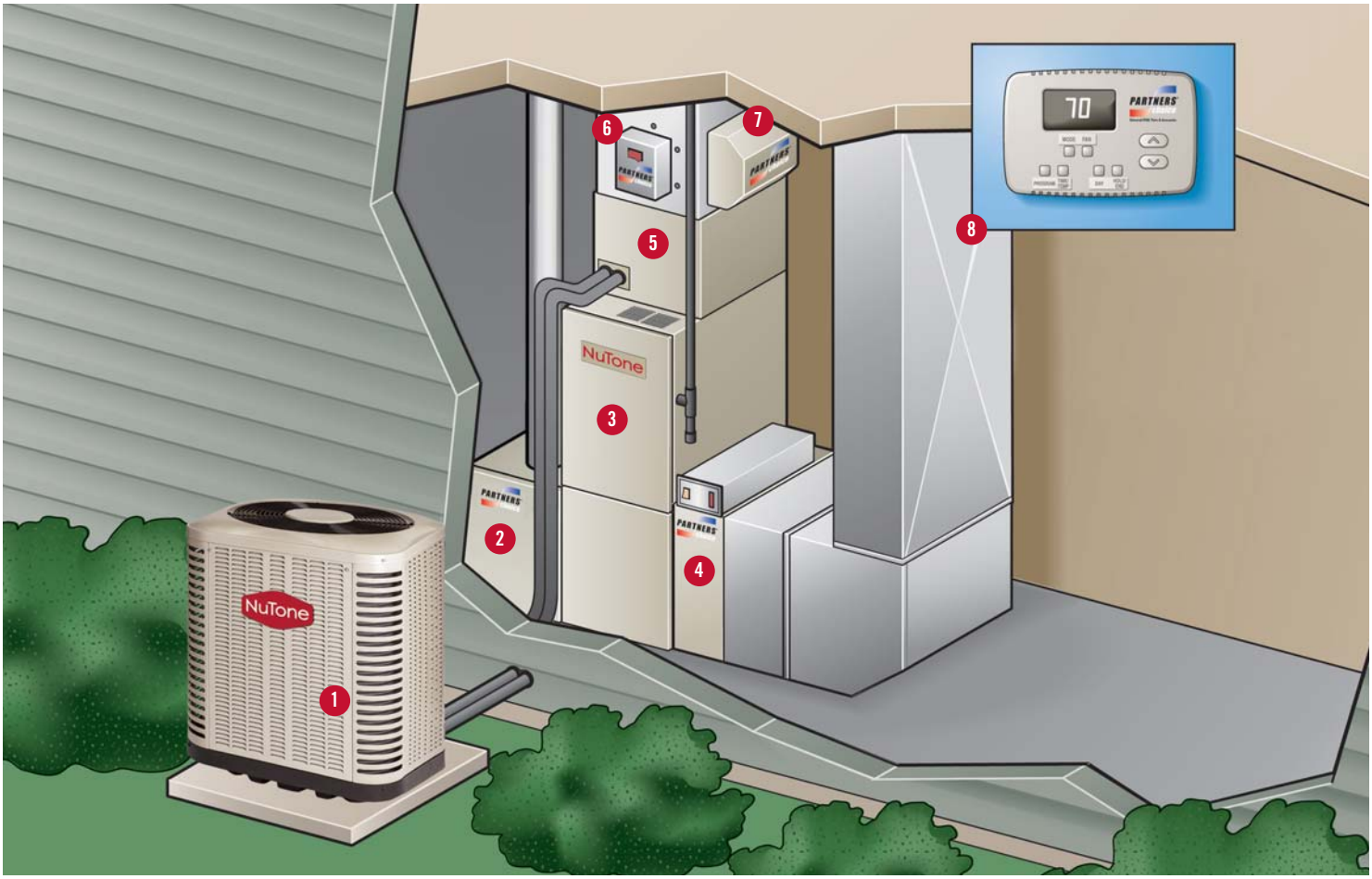
NuTone employs hot surface ignition systems (HSI) in our residential furnace products. These use an igniter that, when energized, rapidly generates an intense heat sufficient to ignite the fuel gas.

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. Programmable thermostat

Breathe Easy, Save Big

Running a furnace continuously on a thermostat's "fan setting" has obvious benefits. Besides optimizing indoor air comfort, NuTone®'s furnaces use 80% less electricity over conventional furnaces. Ultimately, this can add up to hundreds of dollars in savings each year. So you can breathe easier, especially when utility bills are due.

Helping to save Mother Earth.

ENERGY STAR® certification is 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 for northern states, at least 90% AFUE for southern states, have an approved energy efficient blower motor and cabinet air leakage of less than or equal to 2%. 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.

ENERGY STAR PARTNER

ecoLogic®

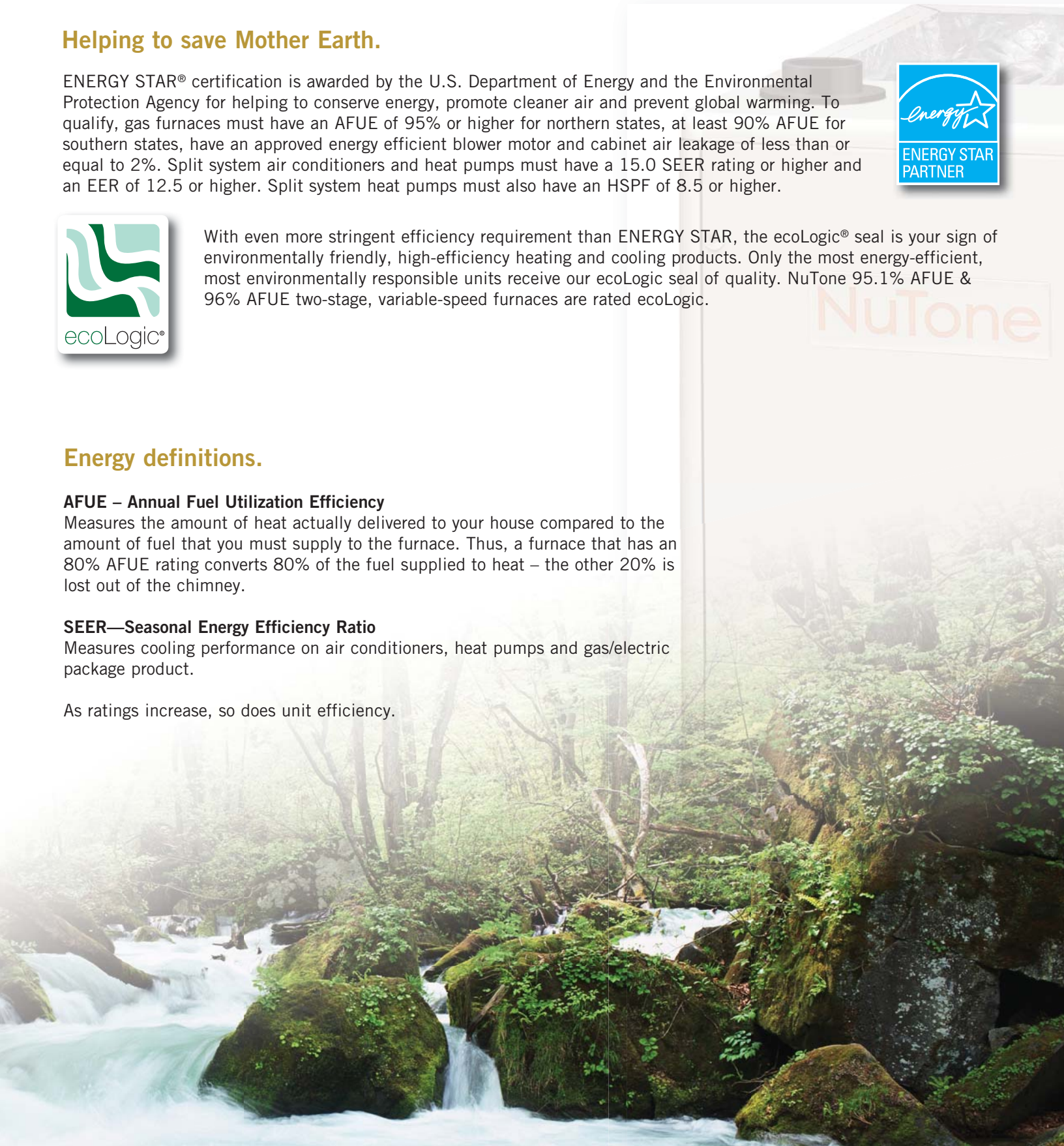
With even more stringent efficiency requirement than ENERGY STAR, the ecoLogic® seal is your sign of environmentally friendly, high-efficiency heating and cooling products. Only the most energy-efficient, most environmentally responsible units receive our ecoLogic seal of quality. NuTone 95.1% AFUE & 96% AFUE two-stage, variable-speed furnaces are rated ecoLogic.

Energy definitions.

AFUE – Annual Fuel Utilization Efficiency
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 supplied 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.

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
When you install and register any of our Partners Choice® Indoor Air Quality 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.



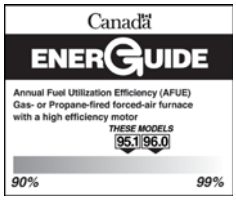


* Warranties not registered default to 3 or 5 years.

NuTone®

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