



Keep Warm

Gas Furnaces, Variable- and Fixed-Speed, **96% & 95.1% AFUE**



Westinghouse

Two-Stage, Fixed- and Variable-Speed Gas Furnaces



Engineered for Quality

More than just better indoor comfort, we want you to feel comfortable investing in a product that will perform when you need it most. Each Westinghouse furnace is checked approximately 234 times during the manufacturing process then run-tested to check operation performance. In the final analysis, computer-automated testing is performed to capture operation data for future reference should your contractor ever need it.

Westinghouse furnaces are built with proven components to provide safe, clean and reliable comfort year-round. For example, our stainless steel secondary heat exchanger has a limited lifetime warranty. A Westinghouse furnace cabinet is fully insulated to shield operation sound, making this furnace one of the quietest available today. Its Silicone-protective polyurethane coating resists scratching and prevents rusting to keep your furnace looking new for years to come.



96%* AFUE

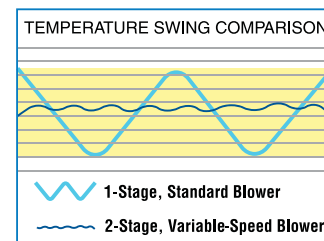


Two-Stage, Variable-Speed Gas Furnaces



Like two furnaces in one two-stage furnaces operate like two separate furnaces to maintain a more consistent comfort level throughout your home. During the first stage, which is about 80% of the time, the unit will use about 68% of its heating capacity. It will always start in the first stage and attempt to meet the heating demand. This reduced capacity is enough to efficiently warm your home on mild winter days. When the temperatures drop, the furnace automatically adjusts and enters the second stage to meet the increased heating demands.

With the Westinghouse two-stage, variable-speed gas furnace you'll enjoy the benefits of high efficiency and variable-speed technology for better comfort.

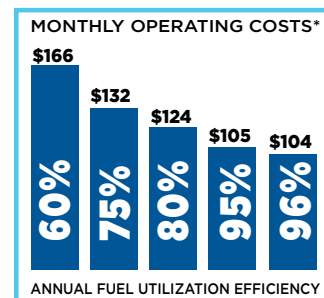


Variable-speed technology reduces room temperature swing when compared to single speed capacity units.



Single-Stage Vs. Two-Stage

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. Westinghouse two-stage, variable-speed gas furnaces help solve common household comfort issues such as hot and cold spots and temperature swings. They operate at the most efficient level of comfort inside, no matter what the weather is outside.



* Dollar amounts computed at \$.092 ccf, for 2,500 full-load heating hours and a system rated at 60,000 Btuh. Actual costs may vary depending on climate conditions, fuel rates, and patterns of usage according to individual lifestyle.



iQ Drive® Ready

Westinghouse 96% and 95.1% AFUE two-stage, variable-speed gas furnaces are iQ Drive Ready. That means they are designed to seamlessly integrate with the Westinghouse 20-SEER iQ Drive air conditioner up to 19-SEER/10.0 HSPF iQ Drive heat pump, to create an ultra-high efficient system for your home. iQ Drive air conditioners and heat pumps achieve some of the industry's highest efficiency ratings – saving homeowners hundreds of dollars in energy costs per year over standard equipment.

A Westinghouse iQ Drive air conditioner or heat pump utilizes inverter rotary technology to achieve ultra-high efficiency levels. Traditional compressors just turn on and off, operating at 60 hertz when running. But, iQ Drive inverter technology has almost infinite modulation for a perfectly even variance. And, it runs as low as 15 hertz, so it uses less power.



* Dedicated Upflow & Downflow models



95.1 %* AFUE

Two-Stage, Variable-Speed Gas Furnaces



Westinghouse Two-Stage furnaces operate at lower capacity during mild winter days, then full capacity during colder days. Because this furnace idles down to a reduced capacity, it provides better comfort and performs quieter than a single-stage furnace.



Increase the energy efficiency of your cooling system with Westinghouse iSEER® technology featured inside every two-stage Westinghouse gas furnace. 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. iSEER technology can increase the energy efficiency up to one SEER during the cooling season.



The variable-speed blower motor automatically compensates for reduced duct volume, dirty air filters, zoning changes, obstructed registers, etc. to improve indoor air quality, and precise humidity control. Setting the thermostat fan mode to run continuously reduces electrical consumption close to 80% over conventional furnaces, therefore reducing utility costs. Because of its longer cycles and its ability to ramp-up gradually, the furnace virtually eliminates temperature swings and hot and cold spots, and air circulation increases for the best in home comfort.

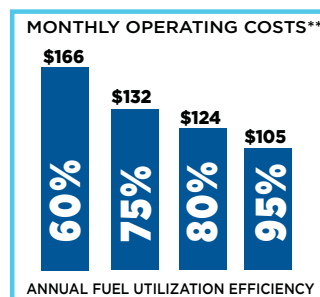


ENERGY STAR® Certified. Awarded by the U.S. Department of Energy and the Environmental Protection Agency for helping to conserve energy, promote cleaner air and prevent global warming. To qualify, gas furnaces must have an AFUE of 95% or higher for northern states, at least 90% AFUE for southern states, have an approved energy efficient blower motor and cabinet air leakage of less than or equal to 2%.



96% AFUE two-stage, variable-speed gas furnaces and 95.1% AFUE two-stage, variable-speed gas furnaces meet our ecoLogic® requirements for ultra-energy efficiency.

** Upflow/horizontal models only*



** Dollar amounts computed at \$.092 ccf, for 2,500 full-load heating hours and a system rated at 60,000 Btuh. Actual costs may vary depending on climate conditions, fuel rates, and patterns of usage according to individual lifestyle.*



With even more stringent efficiency requirements 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.





iSEER[®] Technology

Heating systems that can actually reduce your cooling costs.

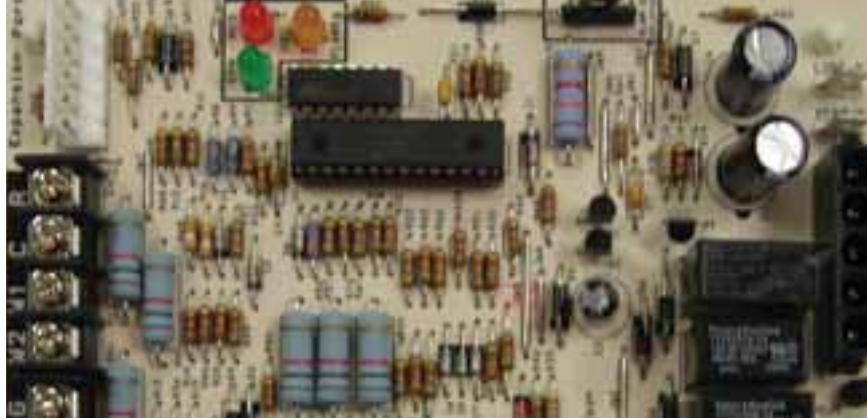
Westinghouse gas furnaces with iSEER[®] technology do more than create a comfortable home. They also reduce your energy bills – on both the heating and cooling side. When matched with a Westinghouse 13- or 14-SEER outdoor unit, these Westinghouse gas furnaces can increase SEER up to one point.

The heart of iSEER is its ultra-efficient motor. Westinghouse gas furnaces with iSEER use a brushless DC motor instead of a standard PSC motor. This more efficient motor is combined with advanced programming controls for an incredibly sophisticated design that creates superior home comfort and efficiency.

Motor comparisons at a glance.

Standard PSC Motor	Fixed-Speed iSEER 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 iSEER Motor (includes fixed-speed benefits above)
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.



SmartLite® Control Board

All Westinghouse gas furnaces feature a SmartLite control board to increase the life of the igniter beyond the standard 20-year life expectancy. SmartLite learns and adapts its ignition process to the furnace as installed in your environment.

Westinghouse 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.

Most modern residential furnaces utilize a hot surface igniter or a high voltage spark ignition device for fuel gas ignition. Direct spark ignition systems (DSI) utilize a coil to generate a spark of several thousand volts intensity and a high voltage wire to connect the igniter electrode to the voltage source. While effective, these systems tend to generate electrical interference and built-in safeguards are required for trouble free operation.

Westinghouse 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. These systems are safe, well proven and have a good track record. Although they perform well and are reliable, the igniter itself is still the most vulnerable component in these systems. Therefore, Westinghouse engineering has focused on ways to further improve igniter life. Hot surface igniter technology is advancing, both in manufacturing processes and product application.

SmartLite®
CONTROL BOARD

96% & 95.1% AFUE



Two-Stage, Fixed-Speed Gas Furnaces



Westinghouse two-stage furnaces operate at lower capacity during mild winter days, then full capacity during colder days. Because this furnace idles down to a reduced capacity, it provides better comfort and performs quieter than a single-stage furnace. Longer cycles improve air circulation, minimizing temperature swings to a couple of degrees, while reducing hot and cold spots.

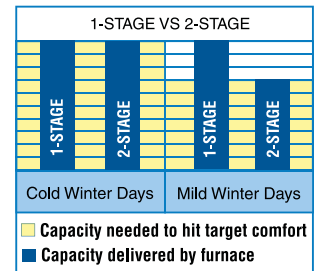


Increase the energy efficiency of your cooling system with Westinghouse iSEER® technology featured inside of every two-stage Westinghouse gas furnace. The energy performance of a cooling system is rated by SEER (Seasonal Energy Efficiency Ratio). The higher the SEER, the more energy efficient the product. iSEER technology can increase the energy efficiency up to one SEER during the cooling season.

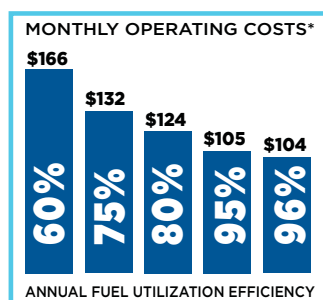


96% AFUE two-stage, variable- & fixed-speed gas furnaces are available in dedicated upflow and downflow configurations. 95.1% AFUE two-stage, variable- & fixed-speed gas furnaces are available in upflow/horizontal configurations.

With the Westinghouse two-stage gas furnace you'll enjoy the benefits of high efficiency and better comfort.



Two-stage furnace technology automatically adjusts energy usage based on the outside temperature, which increases comfort and reduces energy consumption.



*** Dollar amounts computed at \$.092 ccf, for 2,500 full-load heating hours and a system rated at 60,000 Btuh. Actual costs may vary depending on climate conditions, fuel rates, and patterns of usage according to individual lifestyle.*





Leading Warranty

When a furnace is truly built to exacting standards of quality and durability, the manufacturer's confidence shows in its warranty.



At Westinghouse we offer a 10-year limited warranty on all parts and a 10-year Quality Pledge at no extra cost (product registration required). With our 10-year Quality Pledge, we will replace the entire unit should the heat exchanger fail in the first 10 years.

To learn more about our product warranties, ask your Westinghouse contractor, or visit us on the web at www.westinghousehvac.com for details.



Westinghouse furnaces come ready to add other Westinghouse accessories like programmable thermostats, whole-home humidifiers, air cleaners, HEPA systems and more. If allergens, dust, mold, pet odor, dry air, temperature control etc. is a problem for you or your family members, ask your contractor how he can design a Westinghouse system to reduce common irritants and increase comfort throughout the home for everyone.



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