

# Gas Furnaces

Two-Stage, Fixed- & Variable-Speed with iSEER®

**80% AFUE**



**FRIGIDAIRE**

COMFORT THAT FITS YOUR LIFE





## TOTAL HOME COMFORT AND WHAT IT MEANS TO YOU

Total home comfort depends on many variables. Variables such as your home's square footage, number of floors, the sun's exposure on your home, location, construction materials and your own personal comfort choices.

Frigidaire has developed a full line of gas furnaces and accessories to allow you to maintain total home comfort year round.

### What having an 80% AFUE gas furnace means.

Furnaces are measured using AFUE (Annual Fuel Utilization Efficiency). The higher the AFUE rating, the more energy efficient your system is and the lower your energy costs will be. As an example, the Frigidaire 80% line of furnaces will deliver a minimum of 80% efficient heat. Compare this to an older furnace that may only deliver 60% efficiency. As you can see, new technology is all about saving you money for years to come.

### Frigidaire fits your life.

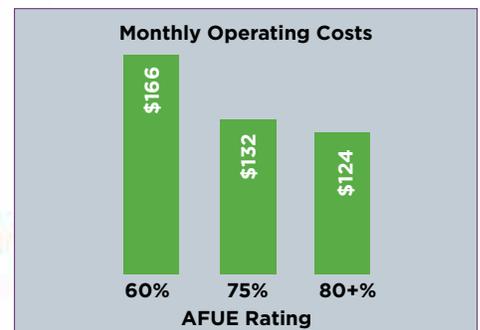
- **Delivering peace of mind furnace after furnace.** Every furnace is triple checked at each manufacturing stage. This is an average of 234 quality checks as your unit was built. In addition, all electrical and mechanical components are 100% fired and tested on the manufacturing line. You are assured the highest quality furnace is being delivered to your home.
- **Total comfort never felt so good or sounded so quiet.** Designed so in-shot burners, inducer location, air vents and cabinet insulation all work in tandem to produce not only cleaner air but quieter operation.
- **Aesthetically pleasing and designed for easy care.** Smooth and practical lines make your Frigidaire furnace eye appealing. We take the extra step to finish every unit with a silicone-protective polyurethane finish to keep your unit looking attractive for years to come.
- **Built to last.** Heavy gauge aluminized steel is used for long life. A limited lifetime heat exchanger warranty is available.



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### Energy savings.



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

## The benefits of two-stage operation.

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 itself and enters the second stage to meet the increased heating demands. Thanks to two-stage technology, the temperature in your home will only vary a couple of degrees.

## The benefits of variable-speed furnaces.

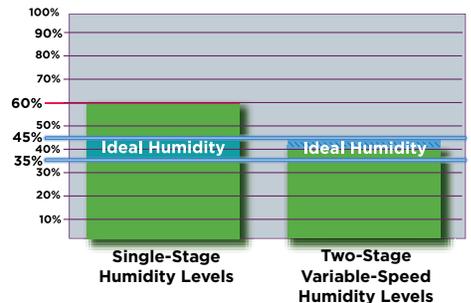
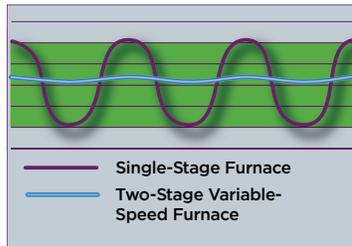
Improved air filtration is delivered with two-stage, variable-speed so you'll breathe a lot easier. The unique variable-speed motor improves humidity control and operates quietly. Since the fan will operate slower during the low-stage heating, it produces less noise. In fact, in most installations it is practically silent. The variable-speed also allows the motor to ramp up gently, eliminating uncomfortable temperature swings.



80% AFUE Upflow/  
Horizontal Model

80% AFUE  
Downflow Model

### Temperature Swing Comparison



	Two Stage	Upflow/ Horizontal	Downflow	Extra Cooling Efficiency	iQ Drive® Ready
80% Gas Furnace Variable-Speed	✓	✓	✓	iSEER®	iQ Drive READY
80% Gas Furnace Fixed-Speed	✓	✓	✓	iSEER®	

## 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 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. As ratings increase, so does unit efficiency.

**iSEER®** All two-stage Frigidaire 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. Frigidaire 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 Frigidaire contractor, or go to [www.frigidaire.net](http://www.frigidaire.net).



Variable-speed Frigidaire gas furnaces are iQ Drive® Ready, meaning they are built to work seamlessly with a Frigidaire iQ Drive air conditioner or heat pump. Ask your Frigidaire contractor about these ultra-efficient iQ Drive systems.

## The technology inside: SmartLite® control board.

High quality does not just happen. It must be engineered from the beginning. Our SmartLite control board is capable



of learning the igniter's heat-up characteristics and then adapts the ignition time to the furnace's needs. The result: SmartLite energizes the igniter appropriately and extends the life of the igniter.

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[www.frigidaire.net](http://www.frigidaire.net)



## Exceptional 10-Year Warranty and Comfort Quality Pledge

Frigidaire offers an incredible customer promise to protect your investment. When registered, every product offers one of the best warranties in the industry – a 10-year limited warranty on all parts and our Comfort Quality Pledge, which states that if your heat exchanger fails within the first 10 years, we will replace the entire unit. Speak to your Frigidaire contractor or visit us at [www.frigidaire.net](http://www.frigidaire.net) for warranty details.

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