FRIGIDAIRE



Comfort SYSTEMS

80% AFUE Two-Stage, Variable-Speed Gas Furnaces

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, the area of the country your home is located in, materials your home was constructed from, and your own personal comfort choices.



Our full line of gas furnaces and accessories allow you to maintain total home comfort year round.

What having a 80% AFUE gas furnace means.

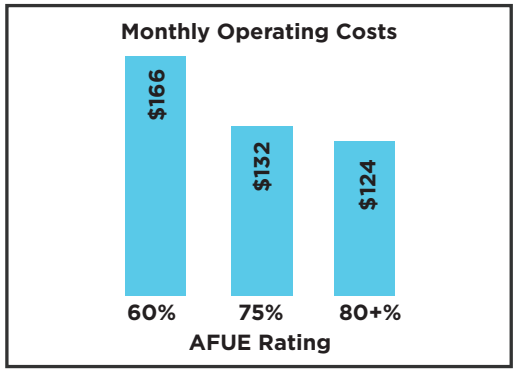
Furnaces are rated using AFUE (Annual Fuel Utilization Efficiency). AFUE measures the amount of heat actually delivered to your house compared to the amount of fuel supplied to the furnace. Thus, a furnace that has an 80% AFUE rating converts 80% of the fuel supplied to heat - the other 20% is lost out of the chimney. As ratings increase, so does unit efficiency. The higher the AFUE rating, the more energy efficient your system is and the lower your energy costs. 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 will take care of the comfort.

- **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.

- **Extending the life of your furnace.**
  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 adapting the ignition time to the furnace's needs. As a result, SmartLite energizes the igniter appropriately and extends the life of the igniter.

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. There are also many opportunities for significant governments and utility rebates based on furnace AFUE.

- **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. All units receive a glossy, powder-paint finish for increased durability and corrosion resistance.

- **Built to last.**
  Heavy-gauge aluminized steel is used for long life. A limited lifetime heat exchanger warranty is available.

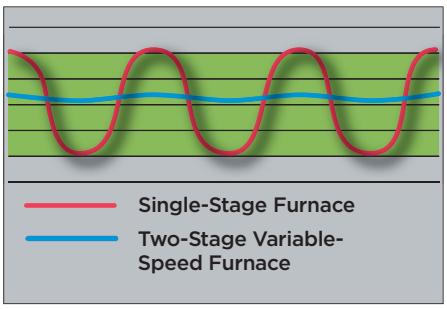
The benefits of two-stage operation.

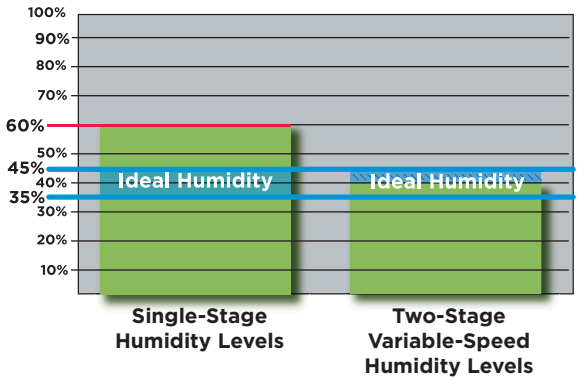
Two-stage furnaces operate like two separate furnaces to maintain a more consistent comfort level throughout your home. During the first stage, which is about 80% of the time, the unit will use about 68% of its heating capacity. It will always start in the first stage and attempt to meet the heating 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. Variable-speed technology also allows the motor to ramp up gently, eliminating uncomfortable temperature swings.

Temperature Swing Comparison





The benefits of an ECM direct-drive motor.

ECM blower motor 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.

	Two-Stage	Upflow/Horizontal	Downflow	Variable-Speed	ECM Motor	iQ Drive Split System Compatible
80% AFUE Gas Furnace	X	X	N/A	X	X	iQDrive READY

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

Advanced technology.

iQ Drive READY

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 ultra-efficient iQ Drive systems.

Warranty

FRIGIDAIRE 10 YEAR WARRANTY

FRIGIDAIRE 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 frigidairehvac.com for warranty details.

The technology inside: SmartLite® control board. Your Frigidaire 80% AFUE gas furnace has been carefully designed and engineered to give you outstanding energy efficiency and years of trouble-free operation. All Frigidaire gas furnaces feature a SmartLite control board. A revolutionary computer within your furnace that learns the heat-up characteristics of the igniter and then adjusts automatically. This ensures reliable ignition and extends the life of the igniter.



Frigidaire gas furnaces employ hot surface ignition systems (HSI). These use an igniter that, 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. 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 upgrade has been accomplished by microchip software reprogramming. The introduction of this control represents a significant advance in HSI furnace technology.

For more information visit us at
frigidairehvac.com

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Through Technician Certification by NATE

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ENERGY STAR PARTNER

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