

FRIGIDAIRE®

COMFORT THAT FITS YOUR LIFE



*Comfort* SYSTEMS

**iSEER Technology High-Efficiency Gas Furnaces**

# TOTAL HOME *Comfort* AND WHAT IT MEANS TO YOU

## iSEER® Technology for Gas Furnaces.

### HEATING SYSTEMS THAT CAN ACTUALLY REDUCE YOUR COOLING COSTS

Frigidaire 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 Frigidaire 13- or 14-SEER outdoor unit, these Frigidaire furnaces can increase SEER up to one point.

#### *The importance of SEER.*

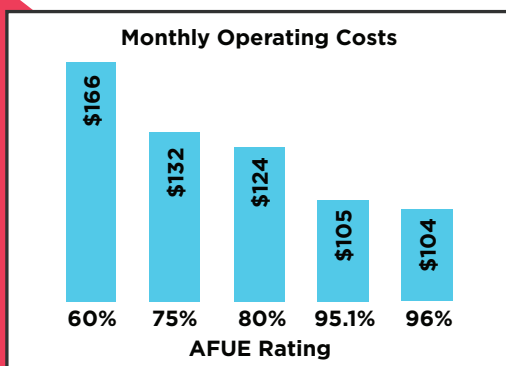
Seasonal Energy Efficiency Ratio (SEER) is the unit by which air conditioning and heat pump energy efficiency is measured. In the world of cooling, the higher the SEER, the better the efficiency and the lower your power bill. Furnaces are measured using AFUE (Annual Fuel Utilization Efficiency). AFUE 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 96% AFUE rating converts 96% of the fuel supplied to heat - the other 4% is lost out of the chimney. As ratings increase, so does unit efficiency.

#### *The heart of iSEER is its ultra-efficient motor.*

Frigidaire 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, efficiency and sound levels.



#### *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.

#### *Frigidaire fits your life.*

- ▲ **Choose iSEER for the energy savings. Appreciate it for the comfort.** Perhaps the best reason for choosing a Frigidaire iSEER furnace is the total home comfort it provides. You can continuously run the highly efficient iSEER fan motor at a lower level for constant airflow – eliminating hot and cold spots in the house as well as stagnant air.

When you choose a variable-speed model, you get even more comfort features. iSEER helps dehumidify your home to promote healthier indoor air.

- ▲ **Find the Frigidaire iSEER furnace that's right for you.** Frigidaire's iSEER technology is available in multiple configurations to meet your heating, efficiency and budgetary needs.

## Fixed versus variable speed.

**Fixed-speed technology** means the motor will run at a speed set by the installer. With iSEER technology, your Frigidaire contractor can choose from 16 heating speeds and 16 cooling speeds, plus additional low operation speeds, to find the precise operating characteristics for your home.

**Variable-speed technology**, on the other hand, means the system will automatically utilize several different speeds for optimal comfort. For example, a variable-speed furnace can help compensate for a dirty air filter by automatically increasing its speed to maintain airflow. It also ramps up to eliminate the sudden blast of air found in conventional systems, and can enhance comfort and dehumidification to provide healthier indoor air.

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)  |
| 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.  |



- 80% AFUE\* two-stage, fixed-speed upflow/horizontal & downflow
- 80% AFUE\* two-stage, variable-speed upflow/horizontal & downflow



- 95.1% AFUE\* two-stage, fixed-speed upflow/horizontal
- 95.1% AFUE\* two-stage, variable-speed upflow/horizontal



- 96% AFUE two-stage, fixed-speed dedicated upflow & downflow
- 96% AFUE two-stage, variable-speed dedicated upflow & downflow



\* 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](http://www.CleanAirFurnaceRebate.com).



Only the most energy-efficient, most environmentally responsible products receive our ecoLogic® seal of quality.



ENERGY STAR® certification is awarded to products designed to reduce energy consumption and utility costs. 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%.

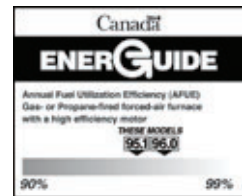
# Warranty



TOTAL HOME COMFORT. TOTALLY FRIGIDAIRE.

When you choose Frigidaire, you're investing in a product that's built to last. And just as you expect from Frigidaire, your product is backed by a 10-year warranty on all parts when the product is registered. On top of that, you also get Frigidaire's Comfort Quality Pledge to replace your entire unit if a major component fails. Visit [frigidairehvac.com](http://frigidairehvac.com) to learn more.

For more information visit us at  
[frigidairehvac.com](http://frigidairehvac.com)



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PRINTED IN THE U.S.A.

674E-1218