BROAN®
HEATING AND COOLING SYSTEMS

Ultimate home comfort



iQ DRIVE® MODULATING
GAS FURNACES

iQ Drive

ENERGY STAR

BROAN® ULTRA HIGH-EFFICIENCY

iQ DRIVE® 97+% AFUE MODULATING GAS FURNACES

Turn your home into a quiet, comfortable, incredibly efficient sanctuary.

The iQ Drive® fully modulating gas furnace by Broan is the epitome of comfort, convenience and quiet. It continuously adjusts its heat output to exactly match the needs of your home – so you maximize your energy efficiency while enjoying constant comfort.

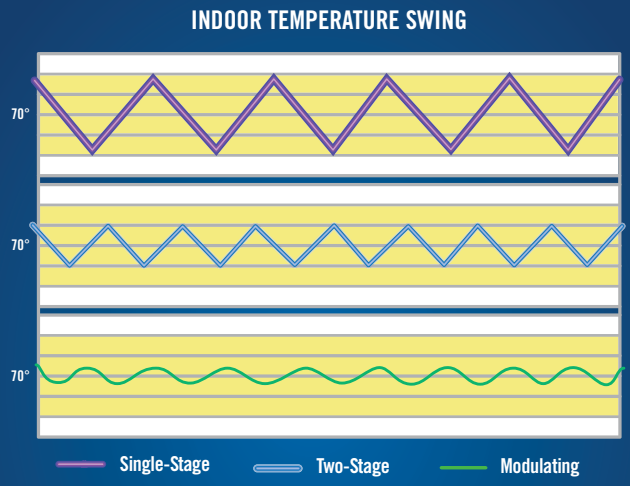
MODULATING VS. SINGLE-STAGE VS. TWO-STAGE

To understand modulating technology, just think of your car. A modulating furnace operates much like your cruise control, constantly making small adjustments to keep the car at its desired speed. It's a fuel-efficient way to drive, and also more comfortable than the lurching that comes with rapid acceleration and deceleration.

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. Two-stage heat is more comfortable than single-stage heat, but a fully modulating system provides the best comfort solution.



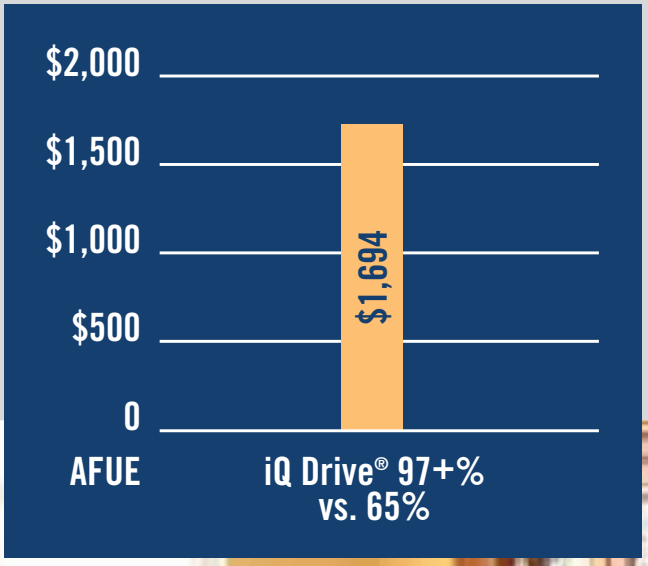




WHAT AFUE MEANS TO YOUR BOTTOM LINE

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 Broan iQ Drive modulating furnace rated at 97% AFUE can save around $560 a year on energy costs. And of course, as the cost of natural gas rises, so will your savings.



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



CONSTANTLY COMFORTABLE

The Broan iQ Drive® furnace operates anywhere from 15% to 100% of its capacity, based on your home's needs. The furnace analyzes the indoor temperature every 60 seconds and adjusts its percentage of firing accordingly. You'll notice a more uniform mix of air throughout your home, with virtually no hot or cold spots.

EXCEPTIONALLY QUIET

You shouldn't have to turn up the volume just because the furnace kicked on. With the iQ Drive fully modulating furnace, the quiet motor is encased in an insulated cabinet for ultimate sound reduction. The three-phase motor design produces a very low torque ripple, and because it ramps up to speed, it minimizes the abrupt change in sound found when a standard single-stage furnace motor cycles on and off. The overall effect is a furnace whose comfort is felt, but not heard.

INCREDIBLY ENERGY EFFICIENT, EVEN IN THE SUMMER

Why spend money to heat the outdoors? With the Broan iQ Drive modulating furnace, at least 97% of your energy cost goes into heating your home - instead of up the chimney.

The Broan iQ Drive furnace works with any Broan split-system air conditioner or heat pump and actually makes your outdoor unit more efficient. On a 13- or 14-SEER (Seasonal Energy Efficiency Ratio) air conditioner and 14-SEER heat pump, the iQ Drive furnace will increase SEER up to another point - in essence, boosting your outdoor unit's cooling efficiency by up to almost 8%.

Of course, for the ultimate in efficiency and home comfort, pair the iQ Drive modulating furnace with the Broan iQ Drive air conditioner or iQ Drive heat pump. At up to 20 SEER, the iQ Drive air conditioner is an excellent choice for geographies where maximum cooling efficiency is needed. In areas where heating efficiency is also desired, consider the up to 19 SEER/10.0 HSPF (Heating Season Performance Factor) iQ Drive heat pump. It operates in the summer the same as an air conditioner, but also provides heat in the winter. The iQ Drive air conditioner or heat pump works similarly to the modulating furnace, adjusting its speed to meet the exact needs of your home. With this ultra-efficient system, you can be constantly comfortable no matter what the weather.



Broan iQ Drive® modulating furnaces are designed to seamlessly integrate with the Broan up to 20-SEER iQ Drive air conditioner and the Broan up to 19-SEER/10.0 HSPF iQ Drive heat pump, to create the most energy efficient system available for the home.

Broan iQ Drive furnaces feature iSEER®, a technology that increases the energy efficiency of your outdoor air conditioner by up to 1 SEER point.

Ask your Broan heating and cooling contractor, or visit us at www.broanhvac.net, for warranty details.



TOTALLY CONVENIENT

Technically it's a thermostat, although "power center" would be a more appropriate name. The iQ Drive® furnace is controlled by the iQ Drive thermostat, which means you have complete control over your home's indoor environment. With the iQ Drive controller, you can:

- Program times to automatically increase or decrease temperature settings based on when you're home, an energy-efficient way to manage your comfort.
- Control a whole-home humidifier. Ask your contractor about a coordinating Broan humidifier.
- Set reminders for changing the air filter. Your contractor can also program indoor air quality component maintenance reminders.
- Manage maintenance or servicing issues. The thermostat will flash red if the system needs to be serviced. Once at your home, your Broan contractor can use the thermostat to identify the furnace error, saving time on the service call.





iQDrive



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.

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.

TOP-OF-THE-INDUSTRY INSTALLATION AND SERVICE

When choosing your heating and cooling system, look not only at the products, but also at the service and support provided by the contractor. Broan contractors receive extensive training in the installation and care of your equipment. That means your Broan contractor can help you select the right system for your home and keep it in top operating condition.

FOR MORE INFORMATION, CONTACT US, YOUR BROAN CONTRACTOR:

PEACE OF MIND

Broan products feature a 10-year limited warranty on parts when registered. Plus our Quality Pledge states that your entire furnace will be replaced if the heat exchanger fails during the first 10 years of ownership, applicable to the original owner and registration required.

Product registration required.



ENERGY DEFINITIONS

SEER – Seasonal Energy Efficiency Ratio
Measures cooling performance on air conditioners, heat pumps and gas/electric packaged products.

HSPF – Heating Seasonal Performance Factor
It is a measure of the average number of Btu of heat delivered for every Watt-hour of electricity used by the heat pump over the heating season.

AFUE – Annual Fuel Utilization Efficiency
It 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 that you supply to heat – the other 20% is lost out of the chimney.

As ratings increase, so does unit efficiency.

BROAN®
HEATING AND COOLING SYSTEMS

www.broanhvac.net

Specifications and illustrations subject to change without notice and without incurring obligation.

Broan® trademark used under license. SmartLite®, iQ Drive®, ecoLogic® and iSEER® are registered trademarks of Nortek Global HVAC, LLC. Printed in the U.S.A.

© Nortek Global HVAC, LLC 2016. All rights reserved.
175D-0716