BROAN®
HEATING AND COOLING SYSTEMS

Ultimate home comfort



TWO-STAGE
VARIABLE- AND FIXED-SPEED
HEATING COMFORT

BROAN® HIGH-EFFICIENCY

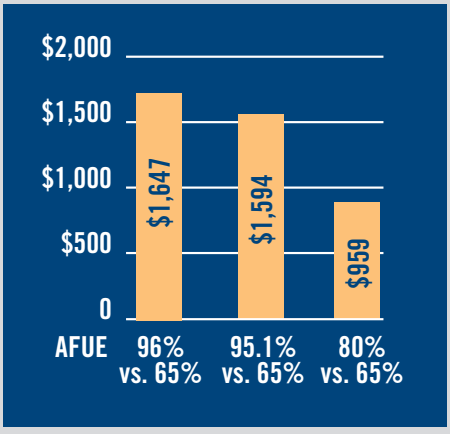
96% AFUE TWO-STAGE, VARIABLE- AND FIXED-SPEED GAS FURNACES
95.1% AFUE TWO-STAGE, VARIABLE-SPEED GAS FURNACES
80% AFUE TWO-STAGE, VARIABLE-SPEED GAS FURNACES

Broan 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.

The two-stage, variable-speed furnace works at a higher or lower capacity depending on the outdoor temperature. Since there are fewer start-up and shutdown cycles, the sound levels are also much lower than standard furnaces. Longer cycles improve air circulation and minimize temperature variations. By mixing air from floor to ceiling, the variable-speed blower creates more uniform temperatures. Reducing air velocity also allows airborne particles and moisture to be captured at a higher rate, resulting in improved air filtration and reduced humidity levels.

BROAN COMFORT SOLUTIONS – A new comfort system can provide more than energy efficiency. Compatible whole-home indoor solutions address specific needs and can improve your indoor living experience. There are solutions for indoor allergens, humidity control and even room temperature control. Be sure to tell your contractor about any specific comfort issues you would like to resolve.





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.

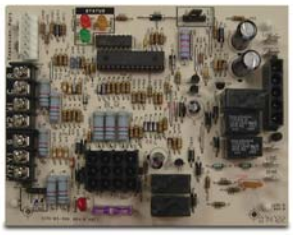
ENERGY EFFICIENCY – Broan furnaces are rated using an Annual Fuel Utilization Efficiency (AFUE) percentage. A higher AFUE rating makes it easier for your system to perform efficiently by delivering more heat to your home while lowering your utility bills. You can be sure that a Broan furnace will provide total home comfort and help you save more. There are also significant rebates offered by governments and utility companies according to furnace AFUE.

SOUND QUALITY – The unique burner design and the insulated blower cabinet provide clean and quiet operation.

DURABILITY AND STYLE – Cabinet is fully insulated to shield operation sound, making this furnace one of the quietest available today. Coated with a high-quality gloss finish for increased durability and corrosion resistance to prevent rusting and keep your furnace looking new for years to come.



ADVANCED TECHNOLOGY – On gas units, the 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.



The improved 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.



96% AFUE TWO-STAGE, VARIABLE-SPEED DEDICATED UPFLOW AND DOWNFLOW GAS FURNACES - Broan, the name that stands for innovation in indoor air, offers you the perfect choice for consistent home comfort.

ecoLogic®



95.1% AFUE* TWO-STAGE, VARIABLE-SPEED UPFLOW/HORIZONTAL GAS FURNACES - Let cool winds blow outside because your Broan furnace will provide a consistent temperature while improving comfort.

ecoLogic®



96% AFUE TWO-STAGE, FIXED-SPEED DEDICATED UPFLOW GAS FURNACES - These Broan gas furnaces include a factory-installed ECM motor for efficient, multi-speed performance.



80% AFUE* TWO-STAGE, VARIABLE-SPEED UPFLOW/HORIZONTAL GAS FURNACES - When you add a Broan two-stage gas furnace to your home, you invest in comfort and worry-free performance for years to come.

* 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.

Broan products feature a 10-year limited warranty on parts. See warranty for details. 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. Additionally, they offer a limited lifetime heat exchanger warranty. See contractor for details.

Product registration required.

10 YEAR WARRANTY

QUALITY PLEDGE



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%.

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. Two-stage, variable-speed gas furnaces rated 95.1% efficient or higher meet our ecoLogic® requirements for ultra-energy efficiency.

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

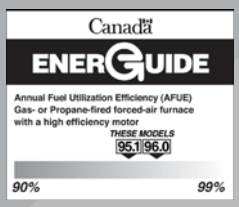
ENERGY DEFINITIONS

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

HSPF – Heating Seasonal Performance Factor
Measures 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
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 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

© Nortek Global HVAC, LLC 2022. All rights reserved.

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

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

677E-0122