

**BROAN**<sup>®</sup>  
HEATING AND COOLING SYSTEMS

so comfortable,  
yet so efficient.



**16 SEER R-410A  
COMFORT SYSTEMS**



# **BROAN® EXTRA-HIGH EFFICIENCY 16 SEER VARIABLE-SPEED, TWO-STAGE 16 SEER/UP TO 9.0 HSPF VARIABLE-SPEED, TWO-STAGE AIR CONDITIONERS & HEAT PUMPS**

Broan two-stage technology allows your air conditioner or heat pump to operate at the most efficient level for total indoor comfort regardless of the outside temperature.

This Broan system includes two main components. The outdoor section is either the air conditioner or the heat pump. The indoor section is a variable-speed air handler or a variable-speed furnace with indoor coil. A warmer climate may utilize a heat pump and an air handler; cooler climates may utilize an air conditioner and a furnace. Your Broan dealer will recommend the comfort system that best fits your needs.

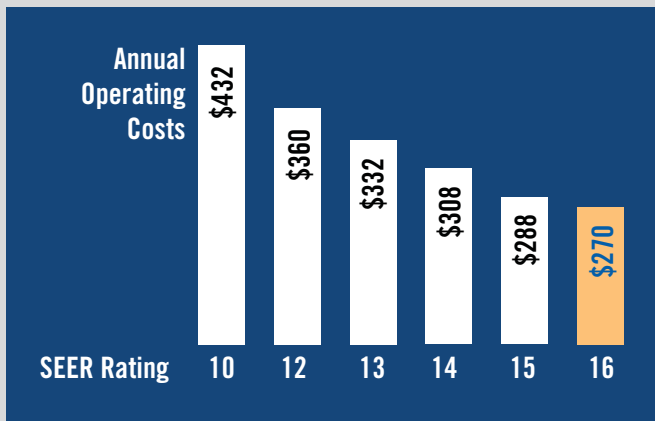
During mild summer days, your system will work at a lower capacity and during hotter days, it will work at full capacity, which reduces the wear and tear on your system. Sound levels are reduced because there are fewer startup and shutdown cycles compared to single-stage units.

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.



## ENERGY EFFICIENCY

Broan air conditioners and heat pumps are rated in Seasonal Energy Efficiency Ratio (SEER). A higher SEER rating makes it easier for your system to perform more efficiently, save more energy and lower your utility bills.



Annual costs based on 36,000 Btu unit, 1,500 cooling load hours and .08/kwh. Actual costs may vary depending on climate conditions, energy rates and patterns of usage.

## ENVIRONMENTALLY SMART

Broan air conditioners, heat pumps and air handlers feature R-410A refrigerant, an earth-friendly, non-ozone-depleting refrigerant.

## DURABILITY & STYLE

These models feature Silicone polyester, urethane-coated galvanized steel with a 950-hour salt spray finish, which protects the unit from corrosion 50% better than other coatings.

## QUIET COMFORT

Broan air conditioners and heat pumps include additional features for extra quiet-performance, such as swept-wing fan blades, sound reducing bases, and compressor sound blankets.

## ULTRA-INDOOR COMFORT

With its two-stage, variable technology features, this line of air conditioners and heat pumps balance indoor air temperatures better than a standard single-stage system. Its Ultra-Tech Copeland Scroll® Compressor works with the variable-speed indoor section to decrease humidity levels and reduce hot and cold spots. The matched Comfort Alert Thermostat™ can be programmed to automatically adjust the temperature to match your schedule, for increased energy savings, while its service settings can provide diagnostic features for quicker, easier service calls.



## PEACE OF MIND



Broan products feature a 10-year limited warranty on parts.



Plus, our Quality Pledge states that your entire unit will be replaced if the compressor fails within the first 10 years of purchase, when installed with a matched indoor coil or air handler.



Broan 16 SEER Air Conditioners and Heat Pumps exceed the ENERGY STAR\* guidelines for product efficiency. ENERGY STAR certification is awarded to products designed to reduce energy consumption and utility costs.



Look for our ecoLogic™ seal, your sign of the most energy-efficient, environmentally responsible products Broan offers.

Ask your Broan heating and cooling dealer or visit us at [www.broanhvac.net](http://www.broanhvac.net) for warranty details.

Product registration required.

\* To qualify, split system air conditioners and heat pumps must have a Seasonal Energy Efficiency Ratio (SEER) rating of 14.5 or higher and an Energy Efficiency Ratio (EER) of 12.0 or higher. Heat pumps are also rated by a Heating Seasonal Performance Factor (HSPF) and must have a rating of 8.2 or higher.





## **BROAN® VARIABLE-SPEED AIR HANDLERS & INDOOR COILS**

This system requires a variable-speed air handler or variable-speed furnace with matched indoor coil (an indoor coil typically sits on top of the furnace). The variable-speed technology significantly improves system efficiency, as well as indoor air quality and sound levels. By mixing air from floor to ceiling, the variable-speed technology creates more uniform temperatures. By reducing air velocity, it allows airborne particles and moisture to be captured at a higher rate resulting in improved air filtration and reduced humidity levels.

If you replace your air conditioner or heat pump, Broan highly recommends that you also replace the existing coil with a matched Broan coil or air handler.\* By doing this, you can ensure maximum efficiency and performance of your comfort system.



\* A matched indoor coil or air handler is a requirement for coverage under Broan's Quality Pledge.



## 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.

As ratings increase, so does unit efficiency.

Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).



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

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