# Complete home comfort



BROAN®

HEATING AND COOLING SYSTEMS

## THE BROAN WARRANTY & QUALITY PLEDGE

Our furnaces, air conditioners and heat pumps offer a 10-year limited warranty on parts, and a limited lifetime warranty on heat exchangers when product is registered. Our 10-year Quality Pledge promises that if the compressor or heat exchanger fails in one of our units, we will replace the entire unit with an equivalent Broan replacement, when registered. Some conditions apply. Ask your Broan contractor or visit us at www.broanhvac.net for warranty details.

Product registration required.






## BROAN DELIVERS TOP ENERGY EFFICIENCY

Energy efficiency is directly related to a product's rating. The higher the number on the rating, the more efficient the product is, which helps lower your utility bills. Here is how heating or cooling systems are rated for energy consumption.

- Seasonal Energy Efficiency Ratio (SEER) measures cooling efficiency of a complete cooling system.
- Heating Seasonal Performance Factor (HSPF) measures heat pump heating efficiency of a complete system. The cooling portion of a heat pump is measured in SEER, like an air conditioner.
- Annual Fuel Utilization Efficiency (AFUE) measures gas and oil heating efficiency. An AFUE of 90% means that 90% of the fuel is used to heat your home, while the other 10% basically goes unused.

## HERE IS ADDITIONAL ENERGY EFFICIENCY INFORMATION TO HELP YOU CHOOSE THE RIGHT PRODUCT FOR YOUR HOME.

The current government standard minimum efficiencies are the following:

- 13 SEER for air conditioners (Northern climates only).
- 14 SEER and 8.0 HSPF for heat pumps.
- 80% AFUE for gas/oil heating in the United States; 90% AFUE or higher in Canada.

ENERGY STAR® ratings beginning September 15, 2015, indicate that these products meet the E.P.A. guidelines for exceptional efficiency:

- 15.0 SEER/12.5 EER and higher for air conditioners.
- 15.0 SEER/12.5 EER/8.5 HSPF or higher for heat pumps.
- 15.0 SEER/12.0 EER/8.2 HSPF or higher for packaged systems.
- 90% (South), 95% (North) AFUE or higher, have an approved energy efficient blower motor and cabinet air leakage of less than or equal to 2% for gas heating.
- 85% AFUE or higher for oil heating.

When you compare current energy efficiencies with the energy consumption of older products, you'll find:

- Over 90% of homes installing a cooling system between 1992 and 2005 were rated at 10 SEER for cooling. Before 1992, the average was about 6 SEER.
- Heat pump ratings from 1992 to 2005 were at a minimum of 6.8 HSPF. Before 1992, a 5.0 minimum HSPF was required.
- Furnaces installed before 1994 had AFUE acceptable ratings in the 60% AFUE range.

You have several options to consider for the most optimal product type to fit your budget, energy needs and house style, including:

- **Split System Air Conditioner and Furnace Cooling/Heating System.** As the most common configuration, the cooling system includes the outdoor air conditioner and the indoor coil, which is attached to the furnace. The furnace uses natural gas, propane or oil fuel to produce heat during the winter. The furnace blower is used year-round to distribute the air throughout the home.
- **Split System Heat Pump and Air Handler Cooling/Heating System.** This system provides all-electric heating and cooling. The indoor section of the heat pump is an air handler, which is a blower and coil system that distributes the air year-round. Adding on heater kit accessories can further these systems into colder climates.
- **Packaged Heating/Cooling Systems.** These systems are self-contained in one outdoor section that includes the blower and coil. There are three types of self-contained systems available – an air conditioner, a heat pump or a gas/electric packaged system that combines gas heat and electric cooling.
- **Hybrid Systems.** For additional energy efficiency, consider a dual-fuel system that uses both electric and gas heat. Dual-fuel systems are typically an outdoor heat pump paired with a gas furnace or an all-in-one package system such as the Broan iHybrid®.

ecoLogic® 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.

iSEER® is built-in technology that can increase cooling efficiency. When paired with a matched standard-efficiency outdoor unit, iSEER two-stage furnaces can increase SEER up to one point. The heart of iSEER is its ultra efficient motor. iSEER furnaces 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 and efficiency.

# THE EXTREME IN TOTAL BROAN COMFORT




**BROAN iQ DRIVE® AIR CONDITIONER WITH 96% AFUE TWO-STAGE, VARIABLE-SPEED GAS FURNACE SYSTEM**

**(96% AFUE gas furnace available in dedicated upflow and downflow applications)**

Broan's Ultimate Comfort System provides these key benefits:

- Efficiencies: 20 SEER Cooling/96% AFUE Heating Ratings.
- Quiet features include iQ Drive inverter technology, swept-wing fan blades, sound-absorbing base on outdoor unit, fully insulated furnace cabinet, 2 speed vent motor and 16 speed blower.
- High-end finish designed to reduce fading, scratching and corrosion.
- Variable-speed provides better humidity control and temperature balance.

iQDrive® iSEER® ecoLogic®

- Programmable thermostat provides various custom level programming.
- Continues to adjust capacity levels in response to outdoor and indoor temperature in the summer, and indoor temperature in the winter. This provides a better overall comfort level while reducing energy use.

## BROAN'S ULTIMATE COMFORT SYSTEM ENERGY CONSUMPTION

When you compare this system with an average system installed between 1990 and 2005, this Ultimate Comfort System is up to:

- More than twice as efficient in cooling.*
- Up to 62% more efficient in heating.*

Broan's Ultimate Comfort System is also available in these options:

- 20 SEER iQ Drive® Air Conditioner**/Air Handler System.
- 20 SEER iQ Drive Air Conditioner**/80% AFUE Two-Stage, Variable-Speed Gas Furnace† System for warm climates that do not need extra high-efficiency gas heating. Upflow/horizontal and downflow applications.
- 20 SEER iQ Drive Air Conditioner**/95.1% AFUE Two-Stage, Variable-Speed Gas Furnace**† System for cooler climates that need extra high-efficiency gas heating. Upflow/horizontal applications.
- 20 SEER/81% AFUE iQ Drive Gas/Electric Packaged System† for areas of the country that have a single packaged system sitting outside the home (industry leading).




* Compared to 10 SEER cooling/60% AFUE heating

** Meets the ENERGY STAR Certified requirements

† If installed in SCAQMD only: These furnaces and gas/electric packaged system 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 and gas/electric packaged system are not eligible for the Clean Air Furnace Rebate Program: www.CleanAirFurnaceRebate.com.

ENERGY STAR PARTNER

10 YEAR WARRANTY

# THE EXTREME IN TOTAL BROAN COMFORT




**BROAN iQ DRIVE® HEAT PUMP WITH AIR HANDLER SYSTEM**

Broan's Ultimate Comfort System provides these key benefits:

- Efficiencies: Up to 19 SEER/up to 10.0 HSPF Heat Pump/Air Handler Ratings.
- Quiet features include iQ Drive inverter technology, swept-wing fan blades, sound-absorbing base on outdoor unit and fully insulated air handler cabinet.
- High-end finish designed to reduce fading, scratching and corrosion.
- Variable-speed provides better humidity control and temperature balance.
- Programmable thermostat provides various custom level programming.

iQDrive® ecoLogic® ENERGY STAR PARTNER 10 YEAR WARRANTY

- Continues to adjust capacity levels in response to outdoor and indoor temperature in the summer, and indoor temperature in the winter. This provides a better overall comfort level while reducing energy use.

## BROAN'S ULTIMATE COMFORT SYSTEM ENERGY CONSUMPTION

When you compare this system with an average system installed between 1990 and 2005, this Ultimate Comfort System is up to:

- More than twice as efficient in cooling.*
- Up to 62% more efficient in heating.*

Broan's Ultimate Comfort System is also available in these options:

- Up to 19 SEER/up to 10.0 HSPF iQ Drive Heat Pump**/80% AFUE Two-Stage, Variable-Speed Gas Furnace† System for warm climates that do not need extra high-efficiency gas heating. Upflow/horizontal and downflow applications.
- Up to 19 SEER/up to 10.0 HSPF iQ Drive Heat Pump** /95.1% AFUE Two-Stage, Variable-Speed Gas Furnace**† System for cooler climates that need extra high-efficiency gas heating. Upflow/horizontal applications.
- Up to 19 SEER/up to 10.0 HSPF iQ Drive Heat Pump**/96% AFUE Two-Stage, Variable-Speed Gas Furnace System for cooler climates that need extra high-efficiency gas heating. Dedicated upflow and downflow applications.

* Compared to 10 SEER cooling/6.2 HSPF heating

** Meets the ENERGY STAR Certified requirements

† If installed in SCAQMD only: These furnaces do not meet the SCAQMD Rule 1111 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.

# TOTAL BROAN COMFORT




## BROAN UP TO 16 SEER SPLIT SYSTEM AIR CONDITIONER AND 95.1% AFUE TWO-STAGE, VARIABLE-SPEED GAS FURNACE* SYSTEM

Broan's Best Comfort System provides these key benefits:

- Efficiencies: Up to 16 SEER Cooling/95.1% AFUE Heating Ratings.
- Quiet features include swept-wing fan blades, sound-absorbing base on outdoor unit, fully insulated furnace cabinet, 2 speed vent motor and 16 speed blower.
- High-end finish designed to reduce fading, scratching and corrosion.
- Variable-speed provides better humidity control and temperature balance.
- Overall, reduces hot and cold spots.
- Operates at lower cooling capacity during milder days for better comfort, same for heating in winter.
- Programmable thermostat provides various custom level programming and service diagnostics.

* If installed in SCAQMD only: This furnace does not meet the SCAQMD Rule 1111 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.

ENERGY STAR PARTNER

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10 YEAR WARRANTY

## BROAN'S BEST COMFORT SYSTEM ENERGY CONSUMPTION

When you compare this system with an average system installed between 1990 and 2005, this Best Comfort System is up to:

- Up to 60% more efficient in cooling.*
- Up to 58% more efficient in heating.*

Broan's Best Comfort System is also available in these options:

- Up to 16 SEER Two-Stage Air Conditioner** System with 80% AFUE Variable-Speed Gas Furnace†.
- Up to 16 SEER/9.0 HSPF Two-Stage, Variable-Speed Heat Pump** Split System.
- 16 SEER Two-Stage Packaged Air Conditioner** with 5 speed ECM blower.
- 16 SEER/8.2 HSPF Two-Stage Packaged Heat Pump** with 5 speed ECM blower and patented hot gas defrost.
- 15 SEER/8.0 HSPF Two-Stage, Variable-Speed Packaged Heat Pump and 15 SEER/81% AFUE Two-Stage, Variable-Speed Gas/Electric Packaged System**†.
- 15 SEER/81% AFUE/8.0 HSPF Two-Stage, Variable-Speed iHybrid® Dual Fuel Heat Pump/Gas Furnace System.
- 14 SEER/95% AFUE Two-Stage Heat, Variable-Speed (one of a kind) Blower Gas/Electric Packaged System†.




* Compared to 10 SEER cooling/60% AFUE heating

** Meets the ENERGY STAR Certified requirements

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

# TOTAL BROAN COMFORT

## BROAN UP TO 15 SEER/8.5 HSPF VARIABLE-SPEED HEAT PUMP** SYSTEM

Broan's Good Comfort System provides these key benefits:

- Efficiencies: Up to 15 SEER Cooling and 8.5 HSPF Heating Ratings.
- Quiet features include swept-wing fan blades and sound-absorbing base.
- High-end finish designed to reduce fading, scratching and corrosion.
- Variable-speed provides better humidity control and temperature balance.

## BROAN'S GOOD COMFORT SYSTEM ENERGY CONSUMPTION

When you compare this system with an average system installed between 1990 and 2005, this Good Comfort System is up to:

- Up to 50% more efficient in cooling.*
- Up to 45% more efficient in heating.*

Broan's Good Comfort System is also available in these options:

- Up to 15 SEER Air Conditioner** and Air Handler with an energy-efficient motor or Variable-Speed Gas Furnaces/Coils.
- Up to 15 SEER/8.5 HSPF Heat Pump** and Air Handler with an energy-efficient motor.
- 14 SEER Packaged Systems†.




* Compared to 10 SEER cooling/6.2 HSPF heating

** Meets the ENERGY STAR Certified requirements

† If installed in SCAQMD only: This gas/electric packaged system 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 gas/electric packaged system is not eligible for the Clean Air Furnace Rebate Program: www.CleanAirFurnaceRebate.com.

ENERGY STAR PARTNER

10 YEAR WARRANTY

# TOTAL BROAN COMFORT

## BROAN UP TO 14 SEER SPLIT SYSTEM AIR CONDITIONER AND 80% AFUE TWO-STAGE GAS FURNACE† SYSTEM

Broan's Basic Comfort System provides these key benefits:

- Efficiencies: Up to 14 SEER Cooling/80% AFUE Heating Ratings.*
- Quiet features include swept-wing fan blades, sound-absorbing base on outdoor unit, fully insulated furnace cabinet, 2 speed vent motor and 16 speed blower.
- High-end finish designed to reduce fading, scratching and corrosion.
- Operates at lower heating capacity during milder days for better comfort.
- Furnace features SmartLite® technology for increased life in igniter start-up.

## BROAN'S BASIC COMFORT SYSTEM ENERGY CONSUMPTION

When you compare this system with an average system installed between 1990 and 2005, this Basic Comfort System is up to:

- Up to 40% more efficient in cooling.**
- Up to 33% more efficient in heating.**

Broan's Basic Comfort System is also available in these options:

- Up to 14 SEER Air Conditioner (available in Northern climates only) with 80% AFUE Two-Stage Gas Furnace†.
- Up to 14 SEER Air Conditioner (available in Northern climates only) and Air Handler with an energy-efficient motor.
- 14 SEER Packaged Systems†.




* Packaged systems are rated at 81% AFUE

** Compared to 10 SEER cooling/60% AFUE heating

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

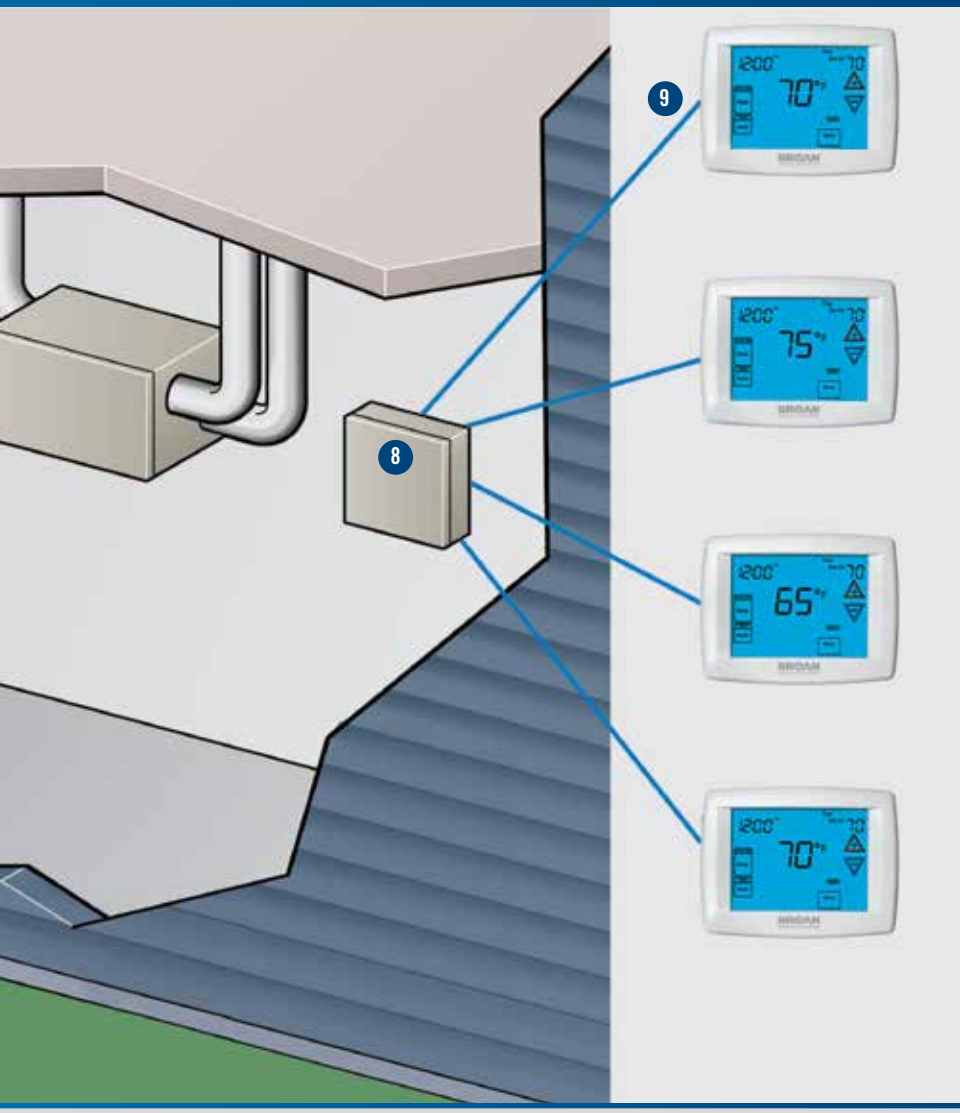
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10 YEAR WARRANTY

# CUSTOM COMFORT SOLUTIONS
## FOR ALMOST ANY SYSTEM

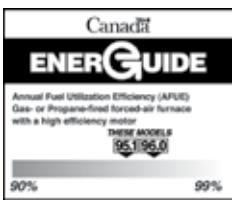


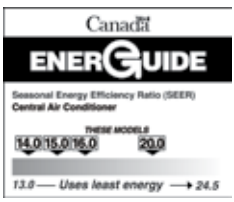

1. Air conditioner or heat pump
2. HEPA air cleaner
3. Gas furnace or air handler
4. Electronic air cleaner
5. Evaporator coil
6. UV air purifier
7. Humidifier
8. Zone control panel
9. Programmable thermostat

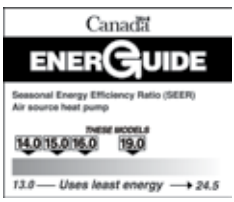



If you've got a problem, Broan has a variety of solutions. Just combine the following features and accessories with any Broan system to create the toughest, most durable Complete Comfort System.

For more information, contact us, your Broan contractor

































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www.broanhvac.net

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