

BROAN[®]
HEATING AND COOLING SYSTEMS

Innovation,
dependability and
total comfort



20 SEER, 81% AFUE,
GAS/ELECTRIC PACKAGED
SYSTEM WITH IQ DRIVE[®]
TECHNOLOGY



iQ
Drive[®]



BROAN® ULTRA HIGH-EFFICIENCY

20 SEER/81% AFUE GAS/ELECTRIC PACKAGED SYSTEMS WITH IQ DRIVE® TECHNOLOGY

Unlike most heating and cooling systems, which are divided into outdoor and indoor sections, a “packaged” system includes all the components necessary to heat and/or cool your home in one, convenient unit.

Our 20 SEER/81% AFUE, iQ Drive gas/electric packaged system combines the electric cooling convenience of an air conditioner with the gas-heat energy-efficiency of a furnace. It operates at lower capacity during mild summer days and at full capacity during hotter ones. Because this unit runs at a reduced capacity, it provides better comfort and performs more quietly than traditional single-stage units.

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.

INNOVATIVE, RELIABLE COMFORT

The Broan iQ Drive System utilizes inverter rotary technology to achieve the highest cooling efficiency level available today.

The inverter board is the brain of the system, while the rotary compressor is its heart. By communicating together, they can condition the air perfectly at all times while using the least amount of energy.

iQ
Drive



ENERGY STAR® certification is awarded to products designed to reduce energy consumption and utility costs. To qualify, gas/electric packaged systems must have a Seasonal Energy Efficiency Ratio (SEER) rating of 15.0 or higher and an Energy Efficiency Ratio (EER) of 12.0 or higher.



SO SMART, iQ DELIVERS THE HIGHEST ENERGY EFFICIENCY

The Broan iQ Drive System utilizes inverter rotary technology to achieve the highest efficiency levels available today.

Traditional compressors just turn on and off, operating at 60 hertz when running. But iQ Drive inverter technology has almost infinite modulation for a perfectly even variance. And it runs as low as 15 hertz, so it uses less power.

So while traditional compressors kick on at full speed to compensate for a small change in temperature, iQ Drive inverter technology alters the compressor speed just enough to match the slightest change in air temperature. In addition to minimal power utilization, you get a more consistent temperature level – and fewer hot and cold spots – at all times.



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

SO QUIET, YOU MAY FORGET YOU HAVE IT

Thanks to its impressive efficiency, the Broan iQ Drive® Comfort System delivers the lowest sound levels in the industry. Today’s traditional compressors operate at 3,600 rpm power. So even with full insulation, sound blanket, sound-absorbing base, lubricated motor and swept fan blade, they make enough noise to be heard inside the home.

By comparison, the Broan iQ Drive rotary compressor can ramp down to 900 rpm for ultra-low power operation and an ultra-low noise level. That makes for a quieter home, especially at night.

Compressor Type	
Scroll	3,600 rpm
Rotary	AS LOW AS 900 rpm

ADVANCED TECHNOLOGY

The SmartLite® control board learns the igniter’s heat-up characteristics. It then adapts the ignition time to the packaged unit’s characteristics, resulting in extending the life of the igniter.

All Broan packaged systems include enhanced evaporator coils to better combat corrosion.

DURABILITY AND 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.

ENVIRONMENTALLY SMART

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



PEACE OF MIND

Broan products offer a 10-year limited warranty on parts when product is registered. Plus, our Quality Pledge states that your entire unit will be replaced if the compressor or heat exchanger fails within the first 10 years of purchase, registration required.



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

Product registration required.

ENERGY DEFINITIONS

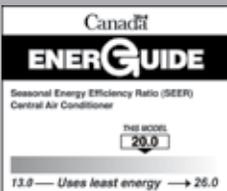
SEER – Seasonal Energy Efficiency Ratio

Measures cooling performance on air conditioners, heat pumps and gas/electric packaged products.

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.



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