



# Wonderful

**20 SEER, 81% AFUE** iQ Drive® Gas/Electric Packaged Systems



**Westinghouse**

# Gas/Electric Packaged Systems



## Engineered for Quality

More than just better indoor comfort, we want you to feel comfortable investing in a product that will perform when you need it most. Each Westinghouse packaged product is checked approximately 78 times during the manufacturing process then run-tested to check operation performance. In the final analysis, computer-automated testing is performed to capture operation data for future reference should your contractor ever need it.

Westinghouse packaged systems are built with proven components to provide safe, clean and reliable comfort year-round. These packaged systems feature Anteater® evaporator coils for increased resistance to formicary corrosion, the number one cause of coil leaks.



## So Smart, Its iQ Delivers

Ultra-High Energy Efficiency

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**The Westinghouse iQ Drive® Gas/Electric Packaged System** utilizes inverter rotary technology to achieve ultra-high cooling efficiency levels. Traditional compressors just turn on and off – operating at 60 hertz when running. But iQ Drive inverter technology provides modulation for a perfectly even variance. It runs as low as 15 hertz, so it uses less power. So while today's 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. So in addition to minimal power utilization, you get a more consistent temperature level – and fewer hot and cold spots.



**So Quiet, You May Forget You Have It.** Thanks to its impressive efficiency, the Westinghouse iQ Drive Gas/Electric Packaged System delivers the lowest sound levels in the industry for packaged systems. 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 Westinghouse iQ Drive rotary compressor can ramp down to 900 rpm for ultra-low power and an ultra-low noise level. That makes for a quieter home, especially at night.





## SmartLite® Control Board

All Westinghouse gas/electric packaged systems feature a SmartLite control board to increase the life of the igniter beyond the standard 20-year life expectancy. SmartLite learns and adapts its ignition process to the gas/electric packaged system as installed in your environment.

Westinghouse gas/electric packaged systems with SmartLite control boards provide extended life to igniters 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 gas/electric packaged system so the igniter is energized appropriately.

Most modern residential gas/electric packaged systems utilize a hot surface igniter or a high voltage spark ignition device for fuel gas ignition. Direct spark ignition systems (DSI) utilize a coil to generate a spark of several thousand volts intensity and a high voltage wire to connect the igniter electrode to the voltage source. While effective, these systems tend to generate electrical interference and built-in safeguards are required for trouble free operation.

Westinghouse employs hot surface ignition systems (HSI) in our residential gas/electric packaged system products. These use an igniter which, when energized, rapidly generates an intense heat sufficient to ignite the fuel gas. These systems are safe, well proven and have a good track record. Although they perform well and are reliable, the igniter itself is still the most vulnerable component in these systems. Therefore, Westinghouse engineering has focused on ways to further improve igniter life. The state-of-the-art of hot surface igniter technology is advancing, both in manufacturing processes and product application.

***SmartLite***®  
CONTROL BOARD



## Gas/Electric Packaged Systems

High quality products and the best possible service and support – that’s what we deliver at Westinghouse. And when you’re looking at our gas/electric packaged systems, expect to find quality, dependability, energy-efficiency, value and comfort. And they’re exactly what you’ll get from Westinghouse. While most heating and cooling systems are made of an indoor and outdoor section, a “packaged” system contains all the heating and cooling components required to heat and/or cool your home in one outdoor unit.

A gas/electric packaged system combines the convenient electric cooling of an air conditioner with the energy-efficient gas heat of a furnace. All in one space-saving unit.

These models are designed for slab mount and rooftop installation, with air delivery for horizontal applications. Your Westinghouse contractor will determine the requirements of application to meet installation needs.



# The Importance of Being

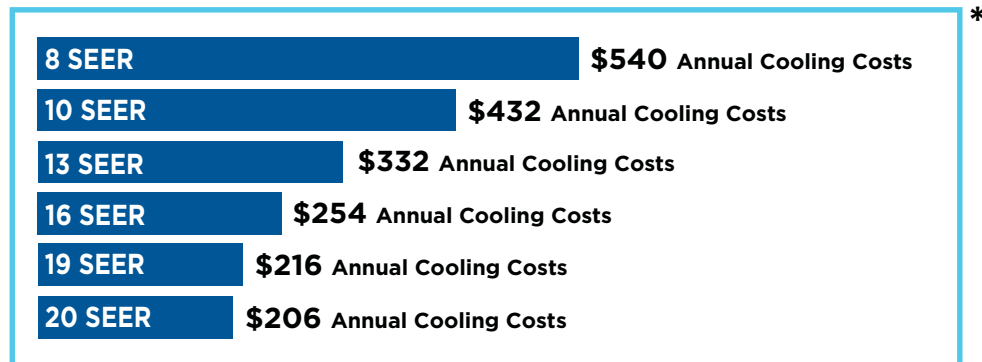
20 SEER, 81% AFUE



**Seasonal Energy Efficiency Ratio (SEER)** is the unit by which air conditioning and heat pump energy efficiency is measured. In the world of cooling, the higher the SEER, the better the efficiency, and the lower your power bill.



**Most homes built in the last 10 years have 8 to 10 SEER cooling systems.** With 20 SEER, 81% AFUE iQ Drive® Gas/Electric Packaged System, you should see significant savings over your existing cooling system.



**AFUE (Annual Fuel Utilization Efficiency)** 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 81% AFUE rating converts 81% of the fuel that you supply to heat—the other 19% is lost out of the chimney.

As ratings increase, so does unit efficiency.

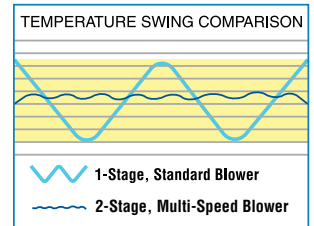
*\* Annual costs based on 36,000 Btu unit, 1500 cooling load hours, and .08/kwh. Actual costs may vary depending on climate conditions, energy rates and patterns of usage.*

## 20 SEER/81% AFUE

Two-Stage, Multi-Speed iQ Drive® Gas/Electric Packaged System



**True two-stage, multi-speed cooling** operates the compressor at one of five speeds, each predetermined to precisely balance efficiency, cooling demands and home comfort. The fan motor and blower motor also operate at multiple speeds, allowing the Westinghouse iQ Drive system to run at reduced capacity when full cooling power isn't needed. The result is improved home comfort, quieter operation and improved air circulation. Temperature swings in the home are almost eliminated while hot and cold spots are dramatically reduced.



**The cabinet is finished with a Silicone-protective polyurethane coating** that passed a 950 hour salt spray test for harsher climates. It protects your unit from corrosion 50% more than standard outdoor finishes. Its wire guard coated with earth-friendly epoxy and hail guard protect coil against flying debris. Fan blade design combined with custom condenser fan orifice delivers quiet operation.



**Reduce energy costs with a programmable thermostat.** By programming the thermostat to your schedule, you can reduce the operating costs.



**Westinghouse iQ Drive gas/electric packaged system products** are energy-efficient, environmentally responsible products. Look for the ecoLogic® seal.







# Leading Warranty

**When a packaged system is truly built to exacting standards of quality and durability, the manufacturer's confidence shows in its warranty.**



Westinghouse products offer a 10-year limited warranty on all parts, a Limited Lifetime Heat Exchanger Warranty on gas/electric packaged systems, and a 10-year Quality Pledge at no extra cost (when product is registered). With our 10-year Quality Pledge, we will replace the entire unit should the compressor or heat exchanger fail within the first 10 years.



To learn more about our product warranties, ask your Westinghouse contractor, or visit us on the web at [www.westinghousevac.com](http://www.westinghousevac.com) for details.

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 14.0 or higher and an Energy Efficiency Ratio (EER) of 11.0 or higher.

SmartLite®, ecoLogic® and Anteater® are registered trademarks of Nortek Global HVAC LLC.



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