

# GSH13 – 13 SEER ENERGY-EFFICIENT HEAT PUMP

QUALITY MANUFACTURED  
HEAT PUMP THAT  
REDUCES OPERATING  
COSTS WHILE ADVANCING  
HOME COMFORT.



Air Conditioning & Heating

# ENERGY EFFICIENCY IS KEY TO CONTROLLING THE COST OF COOLING AND HEATING YOUR HOME.



## ENJOY HIGH-QUALITY, ENERGY-EFFICIENT HEAT PUMP PERFORMANCE — AT A SURPRISINGLY AFFORDABLE PRICE!

As the owner of a Goodman 13 SEER Energy-Efficient Heat Pump, you have made one of the best purchasing decisions possible in the HVAC marketplace. Why do we say this? Because at Goodman, we strive to build cooling and heating equipment that offers high performance, energy efficiency, durability, and an environment-complementing design — all at a price that will have you saying “Thank Goodness for Goodman.”

In particular, your Goodman 13 SEER Energy-Efficient Heat Pump, with heating efficiencies of 7.7 HSPF or higher, will provide you with reliable cooling and heating at money-saving energy efficiency levels. Benefits of this high-quality heat pump include:

- A high-performance, energy-efficient compressor
- A high-efficiency condenser coil made of corrugated aluminum fins and rifled refrigeration-grade copper tubing
- A factory-installed in-line filter dryer, for longer system life

Add to that a 5-Year Limited Warranty on all functional parts, and you have a heat pump that offers one of the best product values in the heating and cooling industry.

## ENDURING, EFFICIENT PERFORMANCE.

You can count on your Goodman 13 SEER Energy-Efficient Heat Pump to keep you cool on even the hottest summer days. Your Goodman heat pump starts with a high-performance, energy-efficient compressor, which operates in tandem with our high-efficiency coil. The coil is made of rifled refrigeration-grade copper tubing and

corrugated aluminum fins in a design that maximizes surface area. These high-quality components together heat and cool your home effectively while saving you money on your energy bills!

And if that’s not enough, Goodman goes one step further: we install a bi-flow liquid-line filter dryer in every heat pump we build. The filter dryer prevents moisture and debris from entering the compressor motor and expansion device, thus preserving the life of the system. Many manufacturers leave this step out, but we’ve installed filter dryers in our heat pumps since we first started making them because we know they add many years to the life of a unit.

*Unmatched performance, efficiency and affordability. That’s just what you’ll get with Goodman.*



## QUALITY MANUFACTURING BACKED BY WARRANTIES AND SERVICE

### YOUR UNIT'S OPERATING COSTS AND SEER.

"SEER" stands for Seasonal Energy Efficiency Ratio, which is a measure of an air conditioner or heat pump's cooling energy efficiency developed by the U.S. Department of Energy. It's a simple formula: the higher the SEER of your unit, the greater its efficiency – and the lower your operating costs. Similarly, "HSPF" stands for "Heating Seasonal Performance Factor," which is a measure of your unit's heating efficiency. Older heat pumps in many homes have operational efficiencies of 8.0 SEER/5.6 HSPF—or even less. In many cases, these older units can really inflate the electric bill.

Your new Goodman GSH13 Heat Pump offers efficiencies of 13 SEER and 7.7 HSPF and higher, providing significant savings compared to many older units. *(See chart for savings comparison.)*

### QUIET YOU CAN COUNT ON.

We know that the last thing you want to hear at night is a noisy heat pump starting up. So, we build our Goodman 13 SEER Energy-Efficient Heat Pumps with sound-dampening features that help ensure that your cooling

and heating system doesn't interfere with a good night's sleep. We rely on a quiet condenser fan system – an 8-pole, 850-RPM motor, a three-bladed fan, and a unique louvered sound-control top – to reduce fan-related noise. Your Goodman 13 SEER Energy-Efficient Heat Pump will keep you comfortable – but you may not hear it when it's working!

### DURABLE CONSTRUCTION.

At Goodman, we take pride in our manufacturing and build each unit carefully. We rely on strict, quality-driven processes to build well-designed, top-quality, thoroughly tested products, backed by the best standard and extended warranties in the industry. We leak-test every single heat pump three separate times during the manufacturing process, and we run-test each unit before shipment. This quality focus insures a trouble-free installation and a long product life.

Your Goodman 13 SEER Energy-Efficient Heat Pump will be sitting in your yard for years to come, a fact that we've kept in mind during its construction. Beginning in 2006, our new design means you get a heat pump that is not only a great product value, but also one of the most attractive units available, with a modern design, quality fit-and-finish and outstanding structural integrity. For extra condenser coil protection, we build the louvered cabinet/coil guard that is your heat pump's exterior using



galvanized steel. We protect the unit with a heavy-duty powder-paint finish in an attractive Architectural Gray color that is a nice complement to your home's exterior. And we utilize a vertical fan discharge system to protect your valuable landscaping.

### IMPRESSIVE WARRANTY PROTECTION.

At Goodman, we take extra care to build products that will last for years to come. And we're so confident in the durability of our products that we protect all of the functional parts in your Goodman 13 SEER Energy-Efficient Heat Pump with a 5-Year Limited Warranty.

For even greater peace of mind, ask your Goodman dealer about GoodCare®, an affordable Extended Parts and Labor Warranty for your entire Goodman HVAC system.



### MAJOR FEATURES OF THIS GOODMAN 13 SEER HEAT PUMP INCLUDE:

- A high-performance, energy-efficient compressor
- A factory-installed bi-flow, liquid-line filter dryer, for longer system life
- A louvered cabinet made of heavy-gauge galvanized steel that protects the coil, while its appliance-quality, post-paint finish resists the effects of weather and time
- An 8-pole, 850-RPM motor; a three-bladed fan; and a unique louvered sound-control top – all of which add up to quieter system performance
- A high-efficiency condenser coil made of corrugated aluminum fins and rifled refrigeration-grade copper tubing
- Liquid refrigerant return protection
- An attractive new design
- Easy-access design, making the unit easy to service
- Performance certified in accordance with the Air Conditioning and Refrigeration Institute

Annual Heating & Cooling Cost Savings Comparison by US City	13 SEER/7.7 HSPF Savings Over 8 SEER/5.6 HSPF
Newark	\$573
St. Louis	\$552
Dallas	\$558
Corpus Christi	\$636
Miami	\$713

1) The higher the SEER, the greater the efficiency – and the lower the operating cost. SEER - Seasonal Energy Efficiency Ratio - is the industry measurement used by the Department of Energy.

2) These figures represent estimated cooling cost savings of a 3-ton system at \$0.0981/KWH and are based on formulas published by the DOE and EPA.

3) These figures are for comparison purposes only. Actual savings will vary according to personal use habits, square footage, location, how your unit is installed and the construction of your home.

**Goodman**

Thank goodness for Goodman.™

**GOODMAN:  
A RECOGNIZED INDUSTRY LEADER**

Over 20 short years, the Goodman family of companies has grown to be the second largest unit manufacturer of residential air conditioning and heating systems in the United States.

It all started in 1982 when Harold Goodman, a former air conditioning contractor, felt he could do it better. His goal was to build air conditioning and heating equipment that performed reliably, lasted for a long time and solved many of the problems contractors encountered in the design of other companies' equipment – all at a price that made indoor comfort affordable to as many people as possible.

We've accomplished Harold's goals by focusing on just one thing – building the most reliable, cost-effective cooling and heating products on the market. Period. We don't build jet engines and we don't build plumbing fixtures. We build air conditioning and heating systems, and we are solely committed to leading this industry.

The Goodman family of companies produce heating, ventilation and air conditioning equipment at its five manufacturing plants, which are located in Houston, Texas (3), Fayetteville, Tenn., and Dayton, Tenn. The company's products are marketed under the Goodman®, Amana® and QuietFlex® brands and are sold through more than 700 distribution locations throughout North America, which include independent distributors and company-owned distribution facilities.



**Air Conditioning & Heating**

Our continuing commitment to quality products may mean a change in specifications without notice.

© 2006 Goodman Manufacturing Company, L.P. · Houston, Texas · 04/06

[www.goodmanmfg.com](http://www.goodmanmfg.com)

CB-GSH13