



Air Conditioning & Heating

# SSZ14 –14 SEER R-410A REFRIGERANT HIGH-EFFICIENCY HEAT PUMP

ENVIRONMENTALLY-FRIENDLY  
HEAT PUMP THAT REDUCES  
OPERATING COSTS WHILE  
INCREASING HOME COMFORT.



**Thank goodness for Goodman.™**



**ENJOY HIGH-QUALITY,  
HIGH-EFFICIENCY,  
ENVIRONMENTALLY-FRIENDLY  
HEAT PUMP PERFORMANCE —  
AT A SURPRISINGLY  
AFFORDABLE PRICE!**

As the owner of a Goodman® SSZ14 SEER High-Efficiency R-410A Heat Pump, you have made one of the best purchasing decisions possible in the HVAC marketplace.

In particular, your Goodman 14 SEER High-Efficiency Heat Pump will provide you with reliable cooling at money-saving energy efficiency levels.\* Benefits of this high-quality heat pump include:

- Environmentally-friendly R-410A refrigerant
- A high-performance, high-efficiency scroll compressor with Lifetime Limited Warranty
- 10-Year Parts Limited Warranty
- 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

**R-410A REFRIGERANT**

R-410A is an environmentally friendly, next-generation product that will replace R-22 as the HVAC industry's standard refrigerant during the next few years. Many refrigerants developed before R-410A contain chlorine, which is harmful to the ozone layer. R-410A is chlorine-free and therefore better for the environment. In fact, the Clean Air Act requires that as of 2010, all new air conditioning units manufactured in North America must use chlorine-free refrigerants. So by purchasing an R-410A heat pump, you're purchasing the latest in refrigerant technology . . . and helping the environment!

**ENDURING, EFFICIENT  
PERFORMANCE.**

You can count on your Goodman 14 SEER R-410A High-Efficiency Heat Pump to provide year-round comfort and keep you cool on even the hottest summer days. Your Goodman heat pump starts with a high-performance, high-efficiency scroll 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 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 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 extending the life of the system. Many manufacturers leave this step out, but we've installed filter dryers in our heat pumps since day one.

**HOW YOUR HEAT PUMP  
WARMS YOUR HOME:**

Heat pumps do exactly what their name indicates: they pump heat. In the summer, they cool your home by using condensing technology to remove heat from your home and pump it outside. In the winter, to provide warm air, they do the reverse: they extract heat from the outdoors and pump it into the home. Believe it or not, a heat pump can help heat a home even when outside temperatures go as low as 20 degrees Fahrenheit (-7 degrees Celsius)!

In particularly cold climates, however, this heating capacity may need to be supplemented with electric strip heat, fossil-fuel heat, or a natural gas furnace. Ask your Goodman contractor to determine which HVAC system best meets the needs of your home and the climate in which you live.



\* As compared to lower SEER equipment.



## QUALITY MANUFACTURING BACKED BY WARRANTIES AND SERVICE

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

"SEER" stands for Seasonal Energy Efficiency Ratio, which is a measurement of an air conditioner or heat pump's cooling energy efficiency developed by the U.S. Department of Energy (DOE). "HSPF", or Heating Seasonal Performance Factor is the DOE's measurement of a heat pump's heating efficiency. Both formulas are simple: the higher the SEER/HSPF of your unit, the greater its efficiency – and the lower your operating costs.

Your new Goodman SSZ14 R-410A Heat Pump offers efficiencies of 14 SEER/8.2 HSPF or higher, providing significant savings compared to many older units. (See chart for savings comparison.) In fact, these units are so efficient that they meet the higher standard of the Environmental Protection Agency's (EPA) Energy Star Program!

### 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 14 SEER R-410A High-Efficiency Heat Pumps with sound-dampening features that help ensure that your cooling system doesn't interfere with a good night's sleep. We install 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.

### 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.

Your Goodman SSZ14 14 SEER R-410A High-Efficiency Heat Pump will be a member of your family for years to come, a fact that we've kept in mind during its construction. For extra assurance, we protect the condenser coil with a louvered exterior made of galvanized steel. We protect the steel 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 them with some of the best warranties in the business.\*

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



### MAJOR FEATURES OF THIS GOODMAN 14 SEER HIGH-EFFICIENCY R-410A HEAT PUMP INCLUDE:

- A high-performance, high-efficiency scroll compressor
- Environmentally-friendly R-410A refrigerant
- 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
- 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	14 SEER/8.2 HSPF Savings Over 8 SEER/5.6 HSPF
Newark	\$658
St. Louis	\$632
Dallas	\$633
Corpus Christi	\$715
Miami	\$797

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.

\*For complete details regarding our warranties, visit [www.goodmanmfg.com](http://www.goodmanmfg.com).



Thank goodness for Goodman.™

**GOODMAN**  
**A RECOGNIZED INDUSTRY LEADER**

Over 20 short years, the Goodman family of companies (NYSE:GGL) 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 – all at a price that made indoor comfort affordable to as many people as possible. We’ve accomplished Harold’s vision by focusing on just one thing – building the most reliable, cost-effective cooling and heating products on the market.

Goodman employees produce heating, ventilation and air conditioning equipment at six manufacturing plants, which are located in Houston, Texas (3), Phoenix, Ariz., 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-operated distribution facilities.



**Air Conditioning & Heating**

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

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