

# Heat Pumps

14 - 20 SEER



★ ★ ★ ★ ★  
DESIGNED  
ENGINEERED  
ASSEMBLED  
IN THE  
U.S.A.  
★ ★ ★ ★ ★

The best heat pump is the kind you don't have to think or worry about. It comes on the moment you need it and then runs quietly and efficiently all year long as needed. Patriot heat pumps are loaded with features designed to provide outstanding performance for years to come. We use advanced techniques and materials so you know the cozy, even temperature you feel in every corner of your home is an energy-efficient trend that's designed to stay for many years.

Our complete line of heat pumps are priced to help add comfort to your budget from a local Patriot dealer. And that's only the beginning. We want you to smile every time you open your utility bill, so we design energy efficient technology into our units.

**What is SEER?** When comparing air conditioners, pay close attention to the SEER, or Seasonal Energy Efficiency Ratio. It's a measure of how efficiently an air conditioner cools your home in the summer. Similar to miles per gallon in a car, the higher the SEER, the less energy you'll use to stay comfortable.

## WHY PATRIOT?

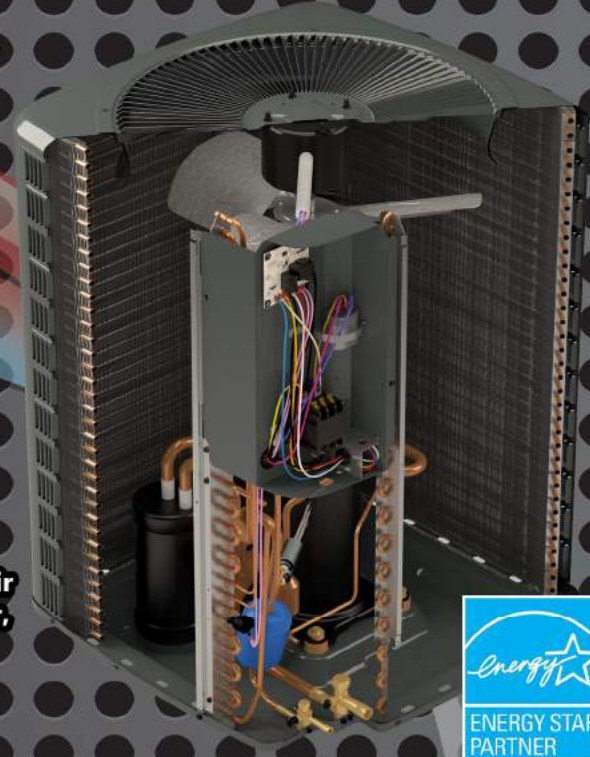
**Factory-installed filter driers:** Filter-driers play a pivotal role in the operation of air conditioning and refrigeration systems. A factory installed filter-drier absorbs and filters residual system contaminants and moisture.

**Louvered coil guards:** Louvered coil guards protect the coil from damage from things such as sticks, lawn equipment and hail. The louvered design provides enhanced protection for condenser coils when compared to wire guard frames.

**Baked-on powder-paint finish:** Paint finish with 500-hour salt-spray approval - A powder coating that is electrostatically applied and cured under heat to form a protective finish. This process provides premium durability and UV protection from the outdoor elements.

**Contactors with lugs:** The lugs provide an easy and secure method of connecting the main power wires to the unit.

**Warranty:** Every Patriot unit installed by A.M. Botte Mechanical comes with a minimum 10 year parts warranty, 10 year labor warranty & 2 year unit replacement. Many units come with a lifetime heat exchanger warranty & lifetime compressor warranty.



# GVZC20

HIGH-EFFICIENCY HEAT PUMP  
WITH SMART SPEED INVERTER TECHNOLOGY  
UP TO 21 SEER PERFORMANCE  
COMFORTBRIDGE™ TECHNOLOGY COMPATIBLE

## A LOT GOES INTO EVERY PATRIOT BRAND GVZC20 AIR CONDITIONER WITH SMART SPEED™ TECHNOLOGY

### The art of precision

**Smart Speed™ Technology** – Designed to automatically adjust the speed of the compressor and condensing fan motor based on cooling demand – full, 100% capacity for extreme temperatures, and reduced capacity for milder days. A system with Smart Speed technology may lower your energy costs when compared to a single-speed unit that only runs at 100% on or 100% off.

**ComfortBridge™ Technology** – Continuously monitors system performance for customized indoor comfort.

**The CoolCloud™ HVAC app** – Enables qualified technicians to connect, configure and diagnose select HVAC systems quickly and accurately. Goodman air conditioners simply work the way they're supposed to, making each one a thing of beauty.

**ComfortAlert™ Diagnostics** – Advanced diagnostics constantly monitor your air conditioner system, reducing failures and pinpointing trouble spots for a fast fix. Heavy-Gauge, Galvanized Steel Enclosure Cabinet – A louvered cabinet protects the coil, while its appliance-quality, post-paint, baked enamel finish protects your system from outdoor elements.

**Quiet Operation** – An acoustically engineered sound control blanket helps reduce noise levels compared to units without sound control blankets

**Warranty** - The Patriot brand GXZC20 comes standard with a 10 year Goodcare labor warranty, 10 year limited parts warranty and lifetime limited compressor warranty with 10 year limited unit replacement\*.

Feel the difference with Smart Speed™ inverter technology

**SMART  
SPEED™**

Goodman's legacy of energy-efficient cooling systems continues with Smart Speed Inverter Technology. Simply stated, this technology functions much like a dimmer switch to a light bulb. The power and speed levels are adjusted automatically to use the least amount of energy required to maintain the temperature set on the thermostat. When more power or speed is needed, the inverter technology increases the performance. After the set temperature is achieved, the inverter technology automatically calculates the lowest amount of energy required to maintain your indoor comfort. The result is lower utility bills compared to single-speed compressors and constant indoor comfort because the compressor is not operating at full capacity every time it is activated



**10** PARTS  
YEAR LIMITED  
WARRANTY\*

**LIFETIME**  
COMPRESSOR  
LIMITED WARRANTY\*

**10** UNIT  
YEAR REPLACEMENT  
LIMITED  
WARRANTY\*



**GSZC18**

**HEAT PUMP**

**HIGH-EFFICIENCY**

**UP TO 19 SEER PERFORMANCE**

**Next Generation Copeland Scroll™ Two-Stage Compressor**

**A LOT GOES INTO EVERY PATRIOT BRAND GSZC18 AIR CONDITIONER WITH SMART SPEED™ TECHNOLOGY**

The art of precision

**Smart Speed™ Technology** – Designed to automatically adjust the speed of the compressor and condensing fan motor based on cooling demand – full, 100% capacity for extreme temperatures, and reduced capacity for milder days. A system with Smart Speed technology may lower your energy costs when compared to a single-speed unit that only runs at 100% on or 100% off.

**ComfortBridge™ Technology** – Continuously monitors system performance for customized indoor comfort.

**The CoolCloud™ HVAC app** – Enables qualified technicians to connect, configure and diagnose select HVAC systems quickly and accurately. Goodman air conditioners simply work the way they're supposed to, making each one a thing of beauty.

**ComfortAlert™ Diagnostics** – Advanced diagnostics constantly monitor your air conditioner system, reducing failures and pinpointing trouble spots for a fast fix. **Heavy-Gauge, Galvanized Steel Enclosure Cabinet** – A louvered cabinet protects the coil, while its appliance-quality, post-paint, baked enamel finish protects your system from outdoor elements

**Heavy-Gauge, Galvanized Steel Enclosure Cabinet** – A louvered cabinet protects the coil, while its appliance-quality, post-paint, baked enamel finish protects your system from outdoor elements.

**Quiet Operation** – An acoustically engineered sound control blanket helps reduce noise levels compared to units without sound control blankets

**Warranty** - The Patriot brand GSZC18 comes standard with a 10 year Goodcare labor warranty, 10 year limited parts warranty and lifetime limited compressor warranty with 10 year limited unit replacement\*.



**10 YEAR PARTS LIMITED WARRANTY\***

**LIFETIME COMPRESSOR LIMITED WARRANTY\***

**10 YEAR UNIT REPLACEMENT LIMITED WARRANTY\***



**ComfortBridge** off-the-wall communicating technology constantly monitors the performance of a high-efficiency heating and cooling system. As ComfortBridge technology gathers data, it uses it to make automatic adjustments, as needed; to use the minimum amount of energy required to create consistent and comfortable indoor heating and cooling.

Rather than installing the communications technology circuit board in the thermostat (which is connected to an inside wall in a home), the ComfortBridge circuit board is securely installed in the indoor unit of the energy-efficient heating and cooling system. ComfortBridge technology works with any single-stage thermostat to help create customized indoor comfort specifically for you and your family.

**SMARTCOIL™ TECHNOLOGY  
SMALLER IS SMARTER**

Long ago the HVAC industry determined that the combination of copper tubing and aluminum fins provided the most efficient transfer of thermal heat available. Today, the Patriot brand has improved upon this industry standard by making the condenser coil copper tubing smaller and smarter. The result is a unit that can offer high efficiency, use less refrigerant, and deliver money-saving and energy saving comfort to you for years.



# GSZC16 AIR CONDITIONER HIGH-EFFICIENCY

## UP TO 16 SEER PERFORMANCE

### Next Generation Copeland Scroll™ Two-Stage Compressor

#### A LOT GOES INTO EVERY PATRIOT BRAND GSZC16 HEAT PUMP WITH SMART SPEED™ TECHNOLOGY

The art of precision

**Smart Speed™ Technology** – Designed to automatically adjust the speed of the compressor and condensing fan motor based on cooling demand – full, 100% capacity for extreme temperatures, and reduced capacity for milder days. A system with Smart Speed technology may lower your energy costs when compared to a single-speed unit that only runs at 100% on or 100% off.

**ComfortBridge™ Technology** – Continuously monitors system performance for customized indoor comfort.

**The CoolCloud™ HVAC app** – Enables qualified technicians to connect, configure and diagnose select HVAC systems quickly and accurately.

**ComfortAlert™ Diagnostics** – Advanced diagnostics constantly monitor your air conditioner system, reducing failures and pinpointing trouble spots for a fast fix.

**Heavy-Gauge, Galvanized Steel Enclosure Cabinet** – A louvered cabinet protects the coil, while its appliance-quality, post-paint, baked enamel finish protects your system from outdoor elements

**Quiet Operation** – An acoustically engineered sound control blanket helps reduce noise levels compared to units without sound control blankets

**Warranty** - The Patriot brand GSZC comes standard with a 10 year Goodcare labor warranty, 10 year limited parts warranty and lifetime limited compressor warranty with 10 year limited unit replacement\*.

#### SMARTCOIL™ TECHNOLOGY SMALLER IS SMARTER

Long ago the HVAC industry determined that the combination of copper tubing and aluminum fins provided the most efficient transfer of thermal heat available. Today, the Patriot brand has improved upon this industry standard by making the condenser coil copper tubing smaller and smarter. The result is a unit that can offer high efficiency, use less refrigerant, and deliver money-saving and energy saving comfort to you for years.



**ComfortBridge** off-the-wall communicating technology constantly monitors the performance of a high-efficiency heating and cooling system. As ComfortBridge technology gathers data, it uses it to make automatic adjustments, as needed; to use the minimum amount of energy required to create consistent and comfortable indoor heating and cooling.

Rather than installing the communications technology circuit board in the thermostat (which is connected to an inside wall in a home), the ComfortBridge circuit board is securely installed in the indoor unit of the energy-efficient heating and cooling system. ComfortBridge technology works with any single-stage thermostat to help create customized indoor comfort specifically for you and your family.



**10 PARTS LIMITED YEAR WARRANTY\***

**LIFETIME COMPRESSOR LIMITED WARRANTY\***

**10 UNIT REPLACEMENT LIMITED YEAR WARRANTY\***



# GSZ16 HEAT PUMP HIGH-EFFICIENCY UP TO 16 SEER PERFORMANCE

## A LOT OF PRIDE GOES INTO EVERY PATRIOT BRAND GSZ16 AIR CONDITIONER

The art of precision

**High-Efficiency Compressor** – Designed to provide years of reliable cooling comfort, it provides up to 16 SEER cooling performance for lower energy bills compared to lower SEER compressors.

**Single-Speed Condenser Fan Motor** – With advanced fan design, it provides dependable, quiet airflow across the condensing coil. Goodman air conditioners simply work the way they're supposed to, making each one a thing of beauty.

**Efficient Cooling Capacity** – Five millimeter, refrigeration-grade premium copper tubing and aluminum fin condenser coil configuration deliver outstanding heat transfer properties with R-410A, chlorine-free, refrigerant.

**Heavy-Gauge, Galvanized Steel Enclosure Cabinet** – A louvered cabinet protects the coil, while its appliance-quality, post-paint, baked enamel finish protects your system from outdoor elements.

**Factory-Installed In-Line Filter Drier** – Protects the refrigerant system from dirt and moisture for longer service life compared to units without filter driers.

**Warranty** - The Patriot brand GSZ16 comes standard with a 10 year Goodcare labor warranty, 10 year limited parts warranty and 10 year limited compressor warranty with 2 year limited unit replacement\*.

### SMARTCOIL™ TECHNOLOGY SMALLER IS SMARTER

Long ago the HVAC industry determined that the combination of copper tubing and aluminum fins provided the most efficient transfer of thermal heat available. Today, the Patriot brand has improved upon this industry standard by making the condenser coil copper tubing smaller and smarter. The result is a unit that can offer high efficiency, use less refrigerant, and deliver money-saving and energy saving comfort to you for years.



**10** PARTS  
**YEAR** LIMITED  
**WARRANTY\***

**2** UNIT  
**YEAR** REPLACEMENT  
**WARRANTY\***



# GSZ14

## HEAT PUMP

### ENERGY-EFFICIENT

### UP TO 15 SEER PERFORMANCE

#### QUALITY GOES INTO EVERY PATRIOT BRAND GSZ14 HEAT PUMP

The art of precision

**High-Efficiency Compressor** – Designed to provide years of reliable cooling comfort, it provides higher SEER cooling performance for lower energy bills compared to lower SEER compressors.

**Single-Speed Condenser Fan Motor** – With advanced fan design, it provides dependable, quiet airflow across the condensing coil. Goodman air conditioners simply work the way they're supposed to, making each one a thing of beauty.

**Efficient Cooling Capacity** – Five millimeter, refrigeration-grade premium copper tubing and aluminum fin condenser coil configuration deliver outstanding heat transfer properties with R-410A, chlorine-free, refrigerant.

**Heavy-Gauge, Galvanized Steel Enclosure Cabinet** – A louvered cabinet protects the coil, while its appliance-quality, post-paint, baked enamel finish protects your system from outdoor elements.

**Factory-Installed In-Line Filter Drier** – Protects the refrigerant system from dirt and moisture for longer service life compared to units without filter driers.

**Warranty** - The Patriot brand GSZ14 comes standard with a 10 year Goodcare labor warranty, 10 year limited parts warranty and 10 year limited compressor warranty with 2 year limited unit replacement\*.

#### SMARTCOIL™ TECHNOLOGY SMALLER IS SMARTER

Long ago the HVAC industry determined that the combination of copper tubing and aluminum fins provided the most efficient transfer of thermal heat available. Today, the Patriot brand has improved upon this industry standard by making the condenser coil copper tubing smaller and smarter. The result is a unit that can offer high efficiency, use less refrigerant, and deliver money-saving and energy saving comfort to you for years.



**10** PARTS  
**YEAR** LIMITED  
**WARRANTY\***

**2** UNIT  
**YEAR** REPLACEMENT  
**WARRANTY\***



**A.M. Botte Mechanical is one of the biggest names in home cooling, heating and energy-efficient home comfort. That's because A.M. Botte Mechanical & Patriot lives up to its name in a big way, with time-tested energy-efficient technology, highlydurable materials and spot-on manufacturing. So, no matter where you live or whether your home is small or large, Patriot probably has a solution to help keep your home comfortable**

### **Patriot will keep you cool as a cucumber.**

The best air conditioner is the kind you don't have to think or worry about. It comes on the moment you need it and then runs quietly and efficiently all year long as needed. The Patriot condensers are loaded with features designed to provide outstanding performance for years to come. We use advanced techniques and materials so you know the cozy, even temperature you feel in every corner of your home is an energy-efficient trend that's designed to stay for many years

### **Don't let high utility bills make you lose your cool.**

Our complete line of air conditioners are priced to help add comfort to your budget. And that's only the beginning. We want you to smile every time you open your utility bill, so we design energyefficient technology into our units.

### **Taking pride in our company heritage.**

Patriot brand heating and cooling systems are designed to provide refreshingly affordable and energy efficient indoor comfort solutions using advanced technology. But the company ultimately adheres to some old-fashioned values, too. A.M. Botte Mechanical believes in the integrity of the American worker. That's why Patriot brand heating and cooling systems are designed, engineered and assembled in the United States.

## **INTEGRITY. EXPERTISE. RELIABILITY.**

We live and work by these principles and believe it is what sets us apart from other HVAC companies. A.M. Botte Mechanical is a South Jersey heating and air conditioning (HVAC) contractor in Sewell, New Jersey, that serves the Residential HVAC needs of clients throughout South Jersey and the Commercial HVAC needs of clients in the Tri-State area.

A.M. BotteAt A.M. Botte, we firmly believe that honesty is, in fact, the best policy, and we work hard to make sure that we provide just that. Our commitment to providing quality HVAC services and our dedication to telling you exactly what is going on is what has given us our reputation in South Jersey as one of the best.

When we started our business 18 years ago, we knew we wanted to be different. By refusing to cut corners and offering customers only the services they need, word quickly spread that we had achieved our goal by being consistent and reliable in an industry that is frequently not.

A.M. Botte HVAC.A.M. Botte provides only the best in both residential and commercial HVAC services, so we know that we can guarantee our workmanship for a lifetime. Fully licensed, with up-to-date knowledge of all of the most recent, cutting-edge technology, and a staff that is passionate about what they do, it's easy to see right away why we have the reputation we do. Always honest, ready to serve, with service technicians who are some of the best in the industry. Find out why so many have chosen us and become the next satisfied customer.

\* Complete warranty details at [www.goodmanmfg.com](http://www.goodmanmfg.com). To receive the 2-Year Unit Replacement Limited Warranty and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation.



Patriot brand equipment is desinged, manufactured & warranted by Goodman Manufacturing