



Inverter Compressor  
Technology made easy



## A legacy of quality

To help demonstrate the legacy of quality that's associated with the Amana® brand of heating and cooling systems, simply visit at [www.amana-hac.com/reviews](http://www.amana-hac.com/reviews). Read the comments provided by homeowner's who are currently enjoying energy-efficient home comfort. Simply stated, the facts speak for themselves.

For more information about the complete line of high-efficiency, energy saving Amana brand heating and cooling systems, please contact your local Amana brand distributor or sales representative.

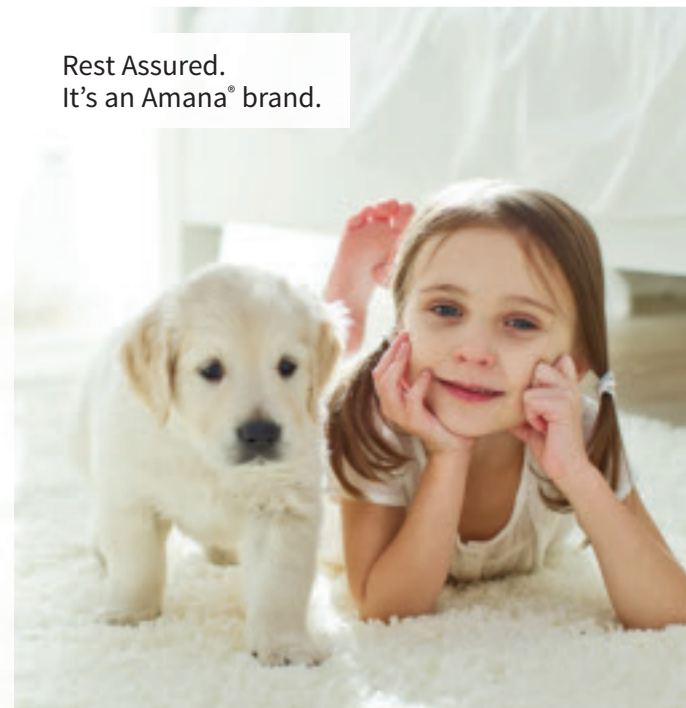
[www.amana-hac.com/reviews](http://www.amana-hac.com/reviews)

## A legacy of comfort

The impeccable reputation of an American original

Amana® brand heating and cooling systems are a part of the enduring legacy of one of America's most recognized and respected brands. Originating eight decades ago in Amana, Iowa, the brand is synonymous with long-lasting, premium quality products — from home appliances to heating and air conditioning equipment. Chances are, you and generations before you have enjoyed the dependable performance and longevity the Amana brand continues to deliver.

Rest Assured.  
It's an Amana® brand.



### Additional information

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer.



[www.amana-hac.com](http://www.amana-hac.com)

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### *Inverter Compressor Technology Made Easy*

Odds are if you're shopping for a new heating or cooling system for your home, you've heard the word "Inverter" or the mention of "Inverter technology". You might be wondering what exactly that means and why it could be important to you.

Let's take a look at some frequently asked questions about Inverter technology along with some of the potential benefits of installing a new heating or cooling system that utilizes variable-speed Inverter compressor technology.

### *What is Inverter Technology?*

An Inverter is a variable-speed energy management technology that helps to reduce wasted operation in air conditioners by efficiently controlling the air conditioner's motor speed in conjunction with the unit's compressor and fan speed.

### *What is the Benefit of an Inverter?*

The quick answer is energy-efficient savings. But let's take a look at how and why Inverters are energy-efficient.

Air conditioners maintain a set temperature by operating when the room temperature rises above the temperature you select on your thermostat or control system.

Non-inverter type air conditioners adjust the temperature by turning the compressor full ON and OFF.

In an Inverter technology air conditioner, the temperature is adjusted by changing motor speed to match the amount of energy that is needed to achieve the set point on the thermostat or control system.

When compared to non-inverter type air conditioners, Inverter technology air conditioners have less power loss and can reduce energy consumption up to 30%\*.

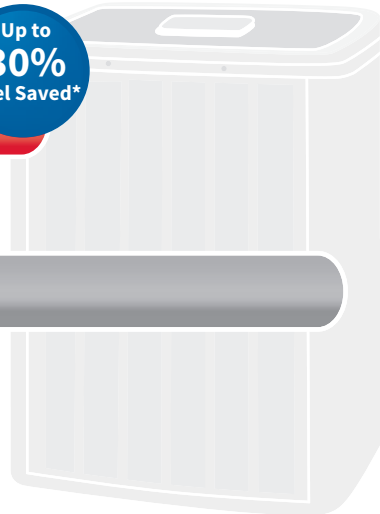
### **ELECTRICAL CONSUMPTION\***

### Inverter Technology Control Utilized

### **ELECTRICAL CONSUMPTION\***

### Non-Inverter Air Conditioner

Up to  
**30%**  
Fuel Saved\*

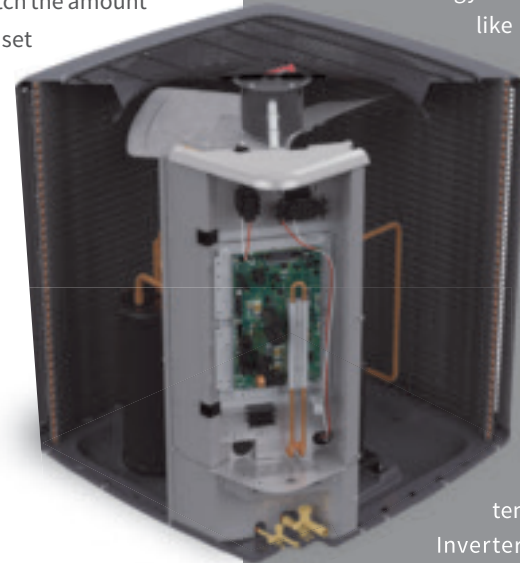


## Efficient and dependable compressors for worry-free comfort

The proprietary variable speed Inverter compressor technology Amana® brand uses is currently providing energy-efficient indoor comfort with over 30 million units installed worldwide. This proven technology automatically adjusts the performance of the heat pump system's compressor to match the demand needed to achieve the temperature you have selected on the thermostat. An inverter

technology compressor functions much like a dimmer switch to a light bulb. With an inverter technology compressor, the speed levels are adjusted automatically to optimize the amount of energy required to maintain the temperature you have selected on the thermostat. When more power is needed the inverter technology increases the compressor's speed. As the desired temperature is achieved, the Inverter technology adjusts the speed to deliver the right amount of

energy required to maintain your indoor comfort. The result is lower utility bills compared to single speed compressors and more constant indoor comfort because the compressor is not operating at full capacity all of the time. Rest assured that you are getting a proven design.



*\* Illustrative purposes only. Actual savings may vary. A qualified HVAC specialist can determine your potential energy savings.*