



turn to the experts™ 

# VERY, VARI- SMART

RELENTLESS EFFICIENCY.  
REAL SAVINGS.



**INFINITY® 18VS HEAT PUMP**  
WITH VARIABLE-SPEED TECHNOLOGY

**SKY-HIGH EFFICIENCY.**  
**DOWN-TO-EARTH VALUE.**  
**UNCOMPROMISING**  
**COMFORT.**



**VARIABLE-SPEED**  
**TECHNOLOGY.**  
**A VARI-SMART IDEA.**

Think about the advanced consumer technologies available today: televisions that automatically lower sound to a consistent level, clothes dryers that run according to detected moisture levels and cars with engines that can activate and de-activate cylinders to save on fuel.

It's the variability that makes them more efficient, more useful and more valuable—that's the idea behind Carrier® Variable-Speed Technology—applying key technologies to provide exceptional comfort while using less energy. Read on. We think you will find Variable-Speed Technology to be a very, *vari*-smart idea.

## A NEW LEVEL OF COMFORT.

Carrier® Variable-Speed Technology embodies a new level of product performance found in the Infinity® 18VS heat pump. Compared to two-stage heat pumps, the Infinity 18VS heat pump, using a sophisticated internal control and paired with the Infinity Touch Control and an Infinity gas furnace or fan coil, senses indoor and outdoor conditions and adjusts comfort levels accordingly.

Now, with its own unique approach to Variable-Speed Technology, the all-new Infinity 18VS heat pump produces efficiency ratings up to 18 Seasonal Energy Efficiency Ratio (SEER) and up to 11 Heating Seasonal Performance Factor (HSPF), but at a price point that's closer to two-stage heat pumps—and that's a very big deal. Keep reading to find out just how big.

## PROVEN AND PROTECTED.

Two key components of Variable-Speed Technology found in the Infinity® 18VS heat pump are the rotary compressor and the integrated inverter control. The rotary compressor design has been proven in numerous applications throughout the world, and the integrated inverter control is designed with sophisticated component protection to promote long-term reliability.



## VARIABLE-SPEED THRILLS.

At the heart of Variable-Speed Technology is the compressor and inverter. While the Infinity® 20 heat pump with Greenspeed® intelligence uses adaptable-speed technology to adjust compressor speed between 40 and 100% of full capacity, the all-new Infinity 18VS heat pump can vary its compressor speed by continuously monitoring conditions and selecting one of five operating stages for optimal comfort and efficiency—far beyond the range of typical two-stage heat pumps.

## VARI-SMART FOR HEATING, TOO.

The Infinity® 18VS heat pump with Variable-Speed Technology delivers strong heating performance at typical heat pump operating temperatures. With up to an outstanding 11 HSPF rating and HYBRID HEAT® capability, the Infinity 18VS heat pump can still heat efficiently before switching on an auxiliary heat source when the thermometer dips. This makes the Infinity 18VS heat pump an attractive option in a wide range of geographic regions.

### DID YOU KNOW?

**THE INFINITY® 18VS HEAT PUMP IS THE SMALLEST DUCTED HEAT PUMP ON THE MARKET WITH A VARIABLE-SPEED COMPRESSOR\***

Current  
Infinity® 16  
two-stage  
heat pump



Infinity® 18VS  
heat pump



UP TO  
**58** %  
SMALLER

THE INFINITY® 18VS HEAT PUMP IS UP TO 58% SMALLER IN OVERALL SIZE THAN CURRENT INFINITY 16 TWO-STAGE HEAT PUMPS.

\*As compared to split system heat pumps with vertical air flow design.

## DID YOU KNOW?

Installing an energy-efficient heat pump like the all-new Infinity® 18VS heat pump with Variable-Speed Technology can potentially net you more than just energy savings. Many states and local utility companies also offer rebates and other incentive programs toward new purchases of energy-efficient heating and cooling systems. Ask your contractor for more information.

## HOW DOES THE INFINITY® 18VS HEAT PUMP OUTPERFORM SINGLE- AND TWO-STAGE HEAT PUMPS?

- **VARI-EFFICIENT**—Inverter-driven rotary compressor is capable of operating at five different stages for efficiency ratings:
  - Up to 11 HSPF
  - Up to 18 SEER
- **VARI-SMALL**—Up to 58% smaller in overall size and significantly lighter than the Infinity 16 two-stage heat pumps of similar capacity
- **VARI-COMFORTABLE**—Longer run times at lower speeds increase dehumidification capability and provide for more even cooling and better overall indoor comfort—it just feels cooler even at higher temperatures
- **VARI-QUIET**—Variable-Speed Technology enables the Infinity 18VS heat pump to operate at lower capacity the majority of the time, resulting in sound levels as low as 55 dBA
- **VARI-SMART**—Intelligent controls enable the Infinity 18VS heat pump to adjust to changing conditions for optimum comfort and efficiency when installed as part of a complete Infinity system.

## A NEW LEVEL OF EFFICIENCY.

The Infinity® 18VS heat pump and Infinity 20 heat pump with Greenspeed® intelligence have the highest heating efficiency ratings of any ducted, air source heat pumps on the market. While the Infinity 20 heat pump has up to 13 HSPF heating efficiency, and up to 20.5 SEER cooling performance, the Infinity 18VS heat pump is capable of achieving up to a remarkable 11 HSPF, and provides up to 18 SEER.

# NO DOUBT ABOUT IT.



**WITH VARIABLE-SPEED TECHNOLOGY, YOU'VE GOT A SIMPLE CHOICE THAT MAKES IT EASY TO KEEP UP WITH THE SPEED OF YOUR LIFE.**



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01-825-084-25