

Infinity® Variable-Speed Air Conditioner with Greenspeed® Intelligence

The Infinity® Variable-Speed Air Conditioner with Greenspeed® intelligence puts Carrier's most advanced technology where it's never been before – in an air conditioner. Seamlessly combining variable-speed operation with the Infinity System Control, this energy-efficient unit adds to our growing family of Infinity products with consumer benefits you can sell... and higher margins for your bottom line.

Product Features and Benefits

Efficiency

- 2, 3, 4, 5 tonnage sizes
- Up to 20.5 SEER/Up to 15.5 EER
- All sizes achieve 18.0 SEER/13.0 EER (meets high-efficiency rebate levels where eligible)

Technology

- Fully variable-speed scroll compressor (40 – 100% cooling capacity in 1% increments)
- Air-cooled inverter drive
- Greenspeed intelligence
- Ideal Humidity System™ technology
- Sound reduction: Silencer System II™ design, compressor sound blanket, and forward swept fan blades
- Energy tracking

Performance

- Superior dehumidification capability when paired with Infinity fan coils or furnaces with ECM motors
- Quiet operation: sound levels as low as 58 dBA
- Lowest maximum sound ratings among competitive variable-speed air conditioner units
- High-ambient operation up to 125° F
- Low-ambient operation down to 0° F

Durability/Reliability

- WeatherArmor™ Ultra protection
- High-pressure switch
- TXV for cooling
- Suction pressure transducer

Compatibility

- Requires Infinity System Control
- Compatible with current Infinity communicating fan coils and furnaces





Model 24VNAO

Infinity® 20 Variable-Speed Air Conditioner

Model	Nominal Tons	SEER (Up to)	EER (Up to)	H (In.)	L (In.)	W (In.)
24VNA024	2	20.5	15.5	44	35	35
24VNA036	3	20.0	14.0	44	35	35
24VNA048	4	19.0	13.5	44	35	35
24VNA060	5	19.0	13.0	44	35	35

Flexibility and Peace of Mind for Your Customers

Design and Installation

- Two-wire installation
- Self-configuring
- Customizable airflow adjustments
- Ultimate for Infinity Zoning System

Warranty Coverage

- Ten-year parts limited warranty upon timely registration

CôrConnect™ Home Diagnostics

- Text-based diagnostics
- System operating status
- System operation history

The Carrier® Difference

If you could look under the hood of a Carrier® Infinity® Series variable-speed air conditioner, you'd see what drives the performance – a serious commitment to quality. Here are some features and functions that your customers will enjoy:



1 Variable-Speed Compressor

– achieves a 40% – 100% capacity range for a rare combination of precision temperature control, enhanced summer dehumidification, and energy savings.

2 Air-Cooled Inverter

– controls compressor operation to help deliver up to 20.5 SEER and 15.5 EER cooling efficiencies.*

*Depending on sizing and equipment combinations

3 Ultra Quiet Operation

– includes our exclusive Silencer System II™ feature to quietly cool your home. The inverter-controlled variable-speed compressor fine-tunes performance as conditions change, resulting in sound levels as low as 58 dBA.

4 Built-in Reliability/

Durability – provides lasting performance protection with a high-pressure switch, suction pressure transducer, TXV, and our WeatherArmor Ultra™ protection package with a steel louvered coil guard and baked-on powder paint.

Key Selling Features



Innovation

Inverter-driven, Infinity® Series air conditioners with Greenspeed® intelligence can make very subtle adjustments to adaptable-speed components as conditions change. The result is smooth, superior comfort and extra energy efficiency.



Efficiency

SEER (Seasonal Energy Efficiency Ratio) ratings are like your car's MPG – the higher the number, the greater the potential for savings. The Infinity® variable-speed air conditioner with Greenspeed intelligence offers up to 20.5 SEER.



Comfort

Tailored to enhance your environment, the Infinity® System redefines comfort with the right mix of climate dimensions – temperature, humidity, airflow and indoor air quality. Greenspeed intelligence Infinity Systems bundle efficient performance with precise energy reporting. It can reduce your utility bills and increase your energy savings.



Humidity Management

Your Infinity variable-speed air conditioner can be the key to enhanced comfort and efficiency through precision humidity management. Include an Infinity System Control, humidifier and an Infinity multi-speed indoor unit and let Ideal Humidity System™ technology deliver ideal comfort, all year long.