Carrier
Turn to the experts

Infinity® 24 Heat Pump with Greenspeed® Intelligence

The Infinity® 24 heat pump with Greenspeed® intelligence takes Carrier's most advanced technology to the next level. Seamlessly combining variable-speed operation with the Infinity® System Control, this energy-efficient unit offers real comfort, real efficiency and real leadership so your customers can enjoy outstanding performance and reliability.

Product Features and Benefits

Efficiency

- 2, 3, 4, 5 tonnage sizes
- Up to 24.0 SEER/15.0 EER/13.0 HSPF (meets high-efficiency local utility rebate levels where eligible)
- ONLY manufacturer with 13.0 EER 5-ton model*

Technology

- Fully variable-speed compressor (25 – 100% cooling capacity in 1% increments)
- Air-cooled inverter drive
- Greenspeed intelligence
- Bluetooth® connectivity/over-the-air update capabilities
- Ideal Humidity System™ technology
- Sound reduction: Quiet Mode, Silencer System II™ design
- Energy tracking as part of the Infinity® System

Performance

- Sound output as low as 51 dBA
- Quiet Mode caps sound at 69 dBA when needed
- Enhanced dehumidification capability during cooling operation when paired with Infinity® fan coils or furnaces with constant airflow ECM 3.0 motors
- High-ambient cooling operation up to 125° F
- Low-ambient heating operation down to -15° F

Durability/Reliability

- Test-to-fail protocols during development
- WeatherArmor™ Ultra protection
- High-pressure switch
- EXV for heating, TXV for cooling
- Outdoor pressure transducers

Compatibility

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

* Depending on model combinations. Based on AHRI EER efficiency ratings compared to competitive 5-ton variable-speed heat pumps, as of February 2020.



Model 25VNA4

Model	Nominal Tons	SEER (Up to)	EER (Up to)	HSPF (Up to)	H (In.)	L (In.)	W (In.)
25VNA424	2	24.0	15.0	13.0	44	35	35
25VNA436	3	22.5	13.5	11.5	47	35	35
25VNA448	4	22.0	13.5	11.0	47	35	35
25VNA460	5	21.0	13.0	11.0	47	35	35

Flexibility and Peace of Mind for Your Customers

Design and Installation

- Two-wire installation
- Self-configuring
- Customizable airflow adjustments
- Up to 250 ft equivalent refrigerant line length
- Infinity® Zoning System capable

Limited Warranty

- Ten-year parts limited warranty upon timely registration**
- Ten-year unit replacement warranty (compressor failure only) upon timely registration**

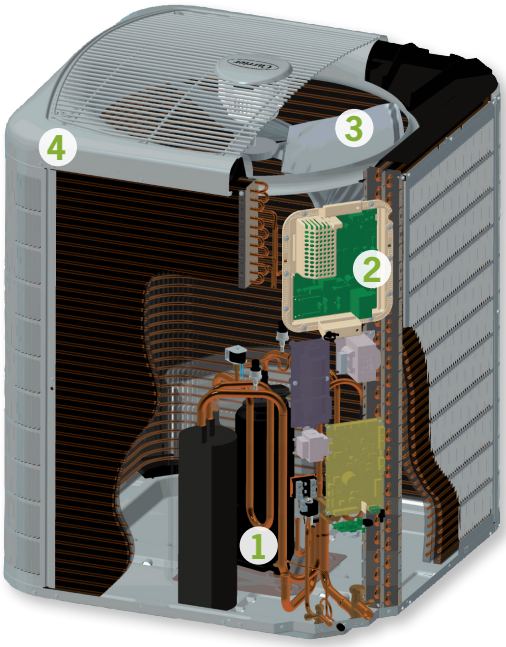
Carrier Connected Portal

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

** Registration required, except where restricted by jurisdiction. See warranty card for complete details and restrictions.

The Carrier Difference

If you could look under the hood of a Carrier® Infinity® 24 heat pump with Greenspeed® intelligence, 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 25% – 100% capacity range for a rare combination of greater temperature control, enhanced summer dehumidification, and energy savings.

2 Air-Cooled Inverter – controls compressor operation to help deliver up to 24.0 SEER/15.0 EER/ 13.0 HSPF efficiencies.*

* Depending on sizing and equipment combinations

3 Quiet Operation – includes our exclusive Silencer System II™ feature to quietly deliver comfort to your home. The inverter-controlled variable-speed compressor fine-tunes performance as conditions change, resulting in sound ouput as low as 51 dBA. And, Quiet Mode puts a cap on sound levels at 69 dBA to ensure a quiet outdoor unit that won't disrupt a backyard barbecue or a peaceful night's sleep.

4 Built-in Reliability/Durability – provides lasting performance protection with a high-pressure switch, outdoor pressure transducers, EXV for heating, TXV for cooling, and our WeatherArmor™ Ultra protection package with a steel louvered coil guard and baked-on powder paint.

Key Service Features

Over-the-Air Software Updates

For the latest performance enhancements, the Infinity 24 can receive over-the-air software updates through the Infinity® System Control. The homeowner will receive a message on the control and can initiate the update, with no technician, no truck roll, and no expensive board switch-out.

Advanced Diagnostics and Interactive Troubleshooting

The Infinity® 24 includes more than 130 specific-source diagnostic codes, meaning less guessing and less "parts changing." That's a significant improvement from 35 general codes attributable to multiple sources. Our new app also includes detailed, interactive troubleshooting "diagnostic trees" which provide a step-by-step guide to specific issues and resolutions.

Bluetooth® Pairing

The Infinity 24 is the first Bluetooth-enabled outdoor unit that does not require access to the indoor unit to make the connection.** Technicians can troubleshoot, service and even "push" updates to the outdoor unit with fewer, if any, trips inside. In some cases, the homeowner doesn't even need to be home!

** Based on review of competitive literature as of Fall 2019.

Upgraded Service App

Available from Google Play® or the App Store®, our greatly enhanced Carrier Service Technician app guides you through troubleshooting, Bluetooth pairing, over-the-air software updates and more. It can display outdoor unit parameters such as system pressure, system voltage, compressor RPM and temperature. Using the app, your least experienced tech can feel confident in successfully troubleshooting and servicing these units.

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