# Everything You Need for Total Comfort







# EASY A/C www.easyac.net

## The Components of a Complete Heating and Cooling System.

Humidifier replenishes moisture to dry air.

Evaporator coil allows the refrigerant to absorb heat from the air as it passes over the coil surface. The evaporator coil is located with the indoor unit and is also referred to as the indoor coil.

Furnace provides reliable, high-efficiency heating for long-lasting comfort and energy savings. Available in high-efficiency models for both gas- and oil-based fuel sources.

Air cleaner improves air quality by removing harmful and irritating airborne pollutants from your home.

Air conditioner provides reliable, high-efficiency cooling for long-lasting comfort and energy savings. Ask about environmentally sound Carrier<sup>®</sup> air conditioners with Puron<sup>®</sup> refrigerant.

Ultraviolet germicidal lamp inhibits the growth of contaminants on the indoor coil.

Infinity<sup>™</sup> Control is the interface to the Infinity<sup>™</sup> System. The Infinity<sup>™</sup> System is the only system in the industry that allows you to control temperature, humidity, air quality, fan speed and ventilation.



Fan coil is the indoor section of your heat pump system. It should be properly matched to the outdoor unit for improved efficiency and long-term reliability. Comfort ventilator

combines fresh outdoor air with conditioned indoor air for improved air quality and maximum efficiency – great for today's tightly constructed home.

**Comfort zoning** sets different temperatures for up to eight different areas of your home for truly customized comfort and enhanced utility savings.

Heat pump provides reliable, high-efficiency heating and cooling for long-lasting comfort and energy savings.

Matching components provide optimum comfort, efficiency and performance.

- Infinity<sup>™</sup> System is Carrier's most advanced system, connecting the best components for the ultimate home comfort control.
- Forced-air systems are usually built around an indoor unit, such as a furnace or a fan coil.
- The outdoor unit, an air conditioner or heat pump, is matched with a furnace or fan coil for year-round comfort.
- Air quality is greatly enhanced with the addition of an air cleaner, humidifier and a ventilator.
- Precise temperature control comes from a Carrier thermostat which is matched to your specific system.
- Zoning provides the ultimate control for true custom comfort.

## 1. Efficiency

Efficiency ratings are like gas mileage—the higher the rating, the more efficient the product is. All products are given the following ratings, so you'll know exactly what to expect from your investment.

**100** watts

625 WATTS

**Electricity Consumption** 

### **AFUE**

(Annual Fuel Utilization Efficiency)

This measurement gauges heating fuel usage. The Infinity  $^{>}$  96 gas furnace receives up to 96.6% AFUE.

### **HSPF**

#### (Heating Seasonal Performance Factor)

This measurement gauges the heating mode of heat pumps. Most new units have ratings from 7.0 to 9.4. The Infinity<sup>™</sup> 17 heat pump receives up to 9.5 HSPF.

### SEER

#### (Seasonal Energy Efficiency Ratio)

This measurement gauges air conditioning cooling. All new models are required to have at least a 13.0 SEER rating. The Infinity<sup>m</sup> 21 air conditioner receives up to 21.0 SEER.



For every \$100 you would spend to cool your home using an 10.0 SEER system, the Infinity <sup>\*2</sup>1 air conditioner with 21.0 SEER would save you approximately \$52. Actual savings will depend on the efficiency of your current system compared to the efficiency of a new system.

#### **ENERGY STAR®**

Carrier Corporation has determined that certain products meet ENERGY STAR guidelines for energy efficiency. Look for this logo on Carrier<sup>®</sup> products.



## 2. Refrigerant Freon<sup>®</sup>-22 Refrigerant

Since its debut in 1930, Freon refrigerant has been used in cooling systems. And while it's still available, the Clean Air Act of 1990 prohibits the production of Freon-22-based air conditioners and heat pumps by 2010, and Freon-22 production by 2020. As Freon-22 production declines, its cost is predicted to rise. (Freon is a registered trademark of E.I. duPont de Nemours & Company.)

### **Puron® Refrigerant**

Carrier was the first to introduce a new, non-ozone-depleting refrigerant called Puron refrigerant—a full six years ahead of the competition—paving the way for the future. Puron refrigerant is chlorine-free,



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so it doesn't damage the Earth's ozone layer. And, as other refrigerants become less available, Puron refrigerant will be the refrigerant of choice for years to come.

## 3. Comfort

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Carrier specializes in creating a customized home comfort system with our broad selection of heating and cooling products. Your Carrier dealer can help you choose the best system for your home including Carrier-exclusive features that further enhance your indoor environment.

### ComfortHeat<sup>™</sup> Technology

ComfortHeat Technology accurately predicts the need for heating while cutting temperature swings in half, and provides a nearly continuous flow of warmth in low-capacity operation for a steadier, more consistent indoor temperature.



### Infinity<sup>™</sup> System

When a heat pump or air conditioner is combined with a variable-speed furnace or fan coil, the revolutionary Infinity System is the only system in the industry that allows you to control temperature, humidity, air quality, fan speed and ventilation; and even detects when your air filter needs replacing. It's so advanced it automatically adjusts to your systems' needs for peak efficiency and performance. It's the ultimate control center for all of your home system components.

### IdealHumidity<sup>™</sup> Systems

IdealHumidity Systems automatically add or remove just the right amount of moisture to keep your home comfortable. IdealHumidity Systems can help you save on energy costs, too. When the humidity is right, you can feel comfortable at higher temperatures in the summer, and lower temperatures in the winter.



### HYBRID HEAT® Dual Fuel Systems

Carrier HYBRID HEAT dual fuel systems deliver peace of mind to homeowners concerned about the unpredictable nature of utility costs. HYBRID HEAT dual fuel systems pairs a gas furnace with an electric heat pump to provide comfort, economy and flexibility. Your HYBRID

HEAT dual fuel system from Carrier will automatically switch between electric and gas heating as needed to keep your home comfortable all winter long while optimizing the efficiencies of each fuel source.



## 4. Sound

Home comfort shouldn't come at your ears' expense. That's why quiet is built right into every system. Carrier furnaces feature the QuieTech<sup>™</sup> noise reduction system that provides comfortable heat while generating very little noise in the process.

Carrier air conditioners are also quiet, thanks to the exclusive Silencer System<sup>™</sup> that ensures extra-quiet performance by maximizing airflow while minimizing vibration. With sound ratings as low as 70 decibels (dB),



## **Carrier Heat Pumps**

### **Carrier® Heat Pumps Designed For** Tomorrow's Needs Today.

Puron<sup>®</sup> refrigerant - environmentally sound and won't deplete the ozone layer.

- **Two-stage compressor**  the heart of the heat pump, the compressor pumps refrigerant through the system.
- Copper Microtube<sup>™</sup>/aluminum 2 fin coil – transfers heat outside to maximize indoor cooling while resisting corrosion.

Infinity<sup>™</sup> electronic circuit board – precisely controls low-3 and high-stage operation and allows the unit to connect to the Infinity<sup>™</sup> Control for the ultimate comfort control. Smart electronics keep track of previous cycles and allow the system to automatically select the correct setting for the best comfort and energy efficiency.

- WeatherArmor Ultra™ protection - combines four design elements that protect your comfort. a. Galvanized steel cabinet
  - b. Louvered coil guard
  - c. Baked-on powder paint
  - d. Painted, ceramic-coated screws

Filter drier - constantly filters the refrigerant to remove moisture or other contaminants that can harm your system.

Carrier's exclusive Silencer System II<sup>™</sup> - helps deliver quieter operation by optimizing airflow, minimizing vibration and using sound-absorbing materials. The five key components include:

#### a. Silencer top

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- b. Integrated fan motor and forward-swept fan blade
  - c. Compressor vibration
  - e. Split-post compressor





Infinity<sup>™</sup>16 Heat Pump Model 25HNA6

Performance SERIES

- High energy efficiency up to 16.0 SEER Energy cost savings of up to 37% over 10.0 SEER
- Puron<sup>®</sup> environmentally sound refrigerant Approved by the EPA – zero ozone depletion
- The long term choice for affordable service
   Carrier's most reliable family of products
- · Quiet operation with Carrier's Silencer System II<sup>™</sup>
- Protected by Carrier's WeatherArmor Ultra<sup>™</sup> coil guard
- Infinity<sup>™</sup> control board for ultimate comfort when used with the Infinity<sup>™</sup> System
- Superior humidity control
- · Improved indoor air quality
- · Operates on low speed 80% of time
- Even temperatures throughout home • 10-year compressor limited warranty
- 5-year parts limited warranty

• High energy efficiency at 15.0 SEER · Energy cost savings of up to 33% over 10.0 SEER

- · Puron<sup>®</sup> environmentally sound refrigerant • Approved by the EPA - zero ozone depletion
- The long term choice for affordable service • Carrier's most reliable family of products
- · Quiet operation with Carrier's Silencer
- System II"
- Protected by Carrier's WeatherArmor Ultra<sup>™</sup> coil guard
- · 10-year compressor limited warranty
- 5-year parts limited warranty

Performance<sup>™</sup> 15 Heat Pump Model 25HPA5

**Comfort** ERIES



Comfort<sup>™</sup> 15 Heat Pump Model 25HCB5

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- Energy efficient at 15.0 SEER
- Energy cost savings over 28% compared to 10.0 SEER
- Puron<sup>®</sup> environmentally sound refrigerant
- Approved by the EPA zero ozone depletion The long term choice for affordable service
- Carrier's most reliable family of products
- Protected by Carrier's WeatherArmor' coil guard
- 10-year compressor limited warranty
- 5-year parts limited warranty

**6**a isolator plate d. Sound hood arommets Puron

Infinity<sup>™</sup> 19

### **Specifications**

	Under 75 dB	System I	Puron <sup>®</sup> Refrigerant		Rating (Up To)	Rating (Up To)	Scroll Compressor	Two-Stage Compressor	Infinity <sup>*</sup> Controls	Infinity <sup>**</sup> System	Heat Pumps
1	1	1	1	1	9.0	19.0	1	1	1	1	Infinity" 19
1	1	1	1	1.	9,0	16.0		1	1	1	Infinity" 16
1	1	1	1	~	8.6	15.0	1				Performance" Series
1	✓*		<i>∽</i>	1	8,3	14,0	1				Comfort" Series
	1 1 1		· ·	1.	8.6	15.0			1		Performance" Series

## **Carrier Fan Coils**

## Pe<u>rformance</u> SERIES

Performance<sup>™</sup> Series FV4 Fan Coil

#### **Comfort** SERIES



Comfort<sup>™</sup> Series FX4 Fan Coil



Model FY4 Fan Coil

- Maximum energy efficiency ° Enhances cooling efficiency up to 2 points
- in SEER ° Savings of up to 16% in cooling cost
- ° Savings of up to 10% in heating costs
- Designed to match with Puron® refrigerant systems
- · Equipped with a Thermal Expansion Valve (TXV)
- <sup>o</sup> Enhanced system performance Increased comfort
- ° Warmer heating temperatures than standard heat pump systems
- <sup>o</sup> Improved dehumidification Designed for enhanced indoor air quality
- · 5-year warranty on entire unit

Energy efficient

- · Savings of 2% to 3% in cooling cost · Designed to match with Puron<sup>®</sup> refrigerant
- systems • Equipped with a Thermal Expansion Valve
- (TXV) . Adjusts to changing conditions
- · Designed for enhanced indoor air quality
- 5-year warranty on entire unit

· Standard efficiency Designed for Puron<sup>®</sup> refrigerant · Multipoise for installation flexibility

Puron<sup>®</sup> refrigerant environmentally sound and won't deplete the ozone layer.

- Foil-faced insulation helps isolate sound, reduces bacterial growth and features an easy-to-clean surface.
- 2 ECM variable speed motor and easy-select board increases system efficiency up to 2 full SEER points while using as little as 40 watts to operate. They combine to generate noticeably warmer air during the heating season than a standard heat pump system. Add the Infinity<sup>™</sup> Control to your Infinity<sup>™</sup> Fan Coil and remove up to 30 times more humidity from the air than with a standard fan coil to increase

your home comfort during the

Airtight cabinets - keep 3 air inside and direct it within your ductwork for greater efficiency.

summer months.







### Specifications

Fan Coils	Infinity <sup>™</sup> Svstem	Infinity Controls	Puron® Refrigerant	Variable Speed Fan	ComfortHeat" IdealHumidity"	ArmorCoat"			Enhanced Drain Pan Design
Infinity <sup>™</sup> Series	1	1	1	1	1	1	1	1	1
Performance <sup>™</sup> Series			1.	1	1	1	1		1
Comfort <sup>™</sup> Series				1		1	1		∡
*Not available on all r	models								

## Improve SEER Ratings By Up To Two Full Points With A Variable Speed Carrier<sup>®</sup> Fan Coil.

Permanent washable filter -

- can be cleaned and reinstalled for economic air filtration.
- Enhanced drain pan design -5 allows complete drainage to improve indoor air quality.
- Electric resistance heaters -6 maintain heat consistency during extremely cold temperatures.

Thermal expansion valve precisely controls refrigerant distribution for improved comfort and cost savings.

Infinity<sup>™</sup> control board – 8 allows the fan coil to connect to the Infinity<sup>™</sup> Control for the ultimate comfort control. Smart electronics keep track of previous cycles and allow the system to automatically adjust the heating and cooling stages for the best comfort

www.carrier.com

## **Carrier Air Conditioners**

## Other Carrier Systems

### INFINITY SERIES



Infinity<sup>™</sup> 17 Air Conditione Model 24ANA7

- · High energy efficiency up to 17.0 SEER Energy cost savings of up to 41% over 10.0 SEER
- Puron<sup>®</sup> environmentally sound refrigerant
- Approved by the EPA zero ozone depletion
   The long term choice for affordable service
- · Carrier's most reliable family of products
- · Quiet operation with Carrier's Silencer System II<sup>™</sup>
- Protected by Carrier's WeatherArmor Ultra<sup>™</sup> coil guard
- Infinity<sup>™</sup> control board for ultimate comfort when used with the Infinity<sup>™</sup> System
- Superior humidity control
- Operates on low speed 80% of time
- · Improved indoor air quality
- Even temperatures throughout home
- 10-year compressor limited warranty
- 5-year parts limited warranty

## Performance<sup>\*</sup> SERIES



Performance<sup>™</sup> 15 Air Conditioner Model 24APA5

- High efficiency of up to 15.0 SEER · Energy cost savings of up to 33% over 10.0 SEER
- Puron<sup>®</sup> environmentally sound refrigerant
   Approved by the EPA zero ozone depletion • The long term choice for affordable service
- Carrier's most reliable family of products · Quiet Operation with Carrier's Silencer
- System II" Protected by Carrier's WeatherArmor Ultra<sup>™</sup> coil guard
- Infinity control capable
- 10-year compressor limited warranty
- 5-year parts limited warranty

INFINITY (Series

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Infinity<sup>™</sup> 15 Packaged Heat Pump Model 50XT

#### Infinity diagnostics · Puron<sup>®</sup> refrigerant

- Puron<sup>®</sup> retrigerant Environmentally friendly refrigerant that is the future of the HVAC industry Added reliability with specialized components Specially designed filter driver to help filter harmful moisture and debris from the system

- moisture and debris from the system High and low pressure switches that protect the compressor from out of range operation Special-designed compressor with an extra thick casing and special internal components make this the most reliable line of compressors we use ComfortHeat Technology" with IdealHumidity" Superior humidity control Economical constant fan Selectable fan speed for customized contect

- Economical constant ran
   Selectable fan speed for customized comfort
   Improved airflow at higher static pressures
   15.0 SEER, 8.0 HSPF
   Envirotuff" rustproof base that is lightweight and will never, ever rust
   Sound articles on Jaw to 70 db
- Sound ratings as low as 72 dB
  - 10-year compressor warranty and 5-year all other

Performance SERIES



Model 50VI

Puron<sup>®</sup> refrigerant

- Purion-reinigerant
   Environmentally friendly refrigerant that is the future of the HVAC industry
   Added reliability with specialized components
   Special-designed filter drier to help filter harmful moisture and debris from the system
   High and low pressure switches that protect
- the compressor from out of range operation Special-designed compressor with an extra thick casing and special internal components make this the most reliable line of

- compressors we use 14.0 SEER Envirotuff<sup>™</sup> rustproof base that is lightweight Envirount rustproof base that and will never, ever rust
  Sound ratings as low as 72 dB
- 10-year compressor warranty and 5-year all
- other parts

#### **Comfort** SERIES



Comfort<sup>™</sup>14 Air Conditioner Model 24ACB4

- High energy efficiency of 14.0 SEER
- Energy cost savings of up to 28% over 10.0 SEER
- Puron<sup>®</sup> environmentally sound refrigerant • Approved by the EPA - zero ozone depletion
- The long term choice for affordable service Carrier's most reliable family of products
- Protected by Carrier's WeatherArmor' coil quard
- 10-year compressor limited warranty
- 5-year parts limited warranty

**Comfort** SERIE

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Comfort<sup>™</sup> 13 Packaged Heat Pump Model 50EZ

- Puron<sup>®</sup> refrigerant
- 13.0 SEER
- HSPF up to 7.7
- Envirotuff<sup>™</sup> rustproof base that is lightweight and will never, ever rust
- Hybrid Heat operation that uses energy wisely and ensures added comfort on cold days
- Sound ratings as low as 76 dB
- 5-year compressor warranty and 5-year all other parts

### Performance<sup>™</sup> 14 Packaged Air Conditioner

## **Indoor Air Quality**

## **Indoor Air Quality**

## Pe<u>rformance</u> SERIES



Performance<sup>™</sup> Series UV Lights

- The Carrier Ultraviolet Germicidal Light (UV Light) actually destroys microbial growth on the coil.
- It is mounted inside your system, near the indoor coil, where fungus and microbes may grow
- The UV Light works to clean the coil and prevent the growth of fungus on and around the coil by destroying the DNA of the fungus to kill or deactivate it.



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- Captures and kills airborne viruses, bacteria
- and mold spores
- · Easy to replace media cartridge
- Cabinet supports up to 400 lbs.
  State-of-the-art, exclusive technology
- · 5-year parts limited warranty
- Infinity<sup>™</sup> Air Purifier Model GAPA

## Performance<sup>\*</sup> SERIES



Performance<sup>™</sup> Series Filter Cabinet Model FILCAB

## Pe<u>rformance</u> SERIES



#### Performance<sup>™</sup> Series Filter Cabinet Model FNCCAB

#### • High efficiency fan coil filtration · Low pressure drop MERV 8 cleaning efficiency

High efficiency fan coil filtration

Nearly maintenance-free operation
5-year parts limited warranty

MERV 8 cleaning efficiency

• Low pressure drop

- · Nearly maintenance-free operation
- 5-year parts limited warranty

# Performance<sup>®</sup> SERIES



· Low pressure drop MERV 10 cleaning efficiency Cabinet is convertible to the electronic air cleaner

- · Cabinet supports up to 400 lbs.
- Protects heating and cooling equipment
- 10-year limited warranty (filter

· Powder-painted steel cabinet

• EZ Flex expandable pleated filter

- not included)
- Performance<sup>™</sup> Series Air Filter with Cabinet EZ FLEX ™ Filtration System



- Cabinet supports up to 400 lbs.
- · Low pressure drop
- State-of-the-art, reliable power supply
- Designed for easy customer maintenance
- 5-year parts limited warranty



Performance<sup>™</sup> Series **Electronic Air Cleaner** 

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## EASY A/C Comfort Made Easy

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LIC. # CAC058774, BONDED, INSURED MEMBER OF THE FLORIDA WEST COAST BBB NATE CERTIFIED TECHNICIANS

## **Experience You Can Trust.**

Choosing a home comfort system is a big decision and that's why you want to turn to the experts at Carrier<sup>®</sup>. Carrier dealers receive specialized training and continue their technical education throughout their careers. Your Carrier dealer will evaluate your home, taking window placement and size, ductwork, other structural specifics and lifestyle into consideration to provide a customized indoor comfort plan designed specifically for you. And when you have an expert helping you make an educated decision, you're going to feel more comfortable. After all, comfort is our expertise.



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