

# Comfort™ Series Heat Pump Featuring WeatherShield™ Protection



Turn to the Experts.™

**Comfort**<sup>™</sup>  
SERIES



Designed for Long-Lasting Performance in Harsh Coastal Climates

## Efficiency

Because heat pumps provide both heating and cooling, their efficiency is measured with two distinct ratings. While in the cooling mode, heat pumps receive a Seasonal Energy Efficiency Ratio or SEER number. SEER is like gas mileage. The higher the gas mileage or SEER, the more efficient the automobile or system is. Most new heat pumps rate between 13.0 and 19.0 SEER.

While in the heating mode, heat pumps also receive a Heating Seasonal Performance Factor or HSPF rating. Again, the higher the number, the more efficiently the system works. Most new units have ratings between 7.7 and 9.0 HSPF.

- As an ENERGY STAR® partner, Carrier Corporation has determined that the Comfort™ Series heat pumps that achieve system combinations of 14.0 SEER, 8.2 HSPF and 11.5 EER or higher meet the ENERGY STAR® guidelines for energy efficiency.



Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your dealer for details or visit [www.energystar.gov](http://www.energystar.gov).



## Things to Consider Before You Buy

### Comfort

Carrier specializes in creating a customized home comfort system tailored to your needs with our broad selection of residential 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. Carrier's Comfort™ Series heat pumps featuring WeatherShield™ protection deliver reliability and proven performance.

- Carrier's Hybrid Heat™ delivers peace of mind to homeowners concerned about the unpredictable nature of utility costs. Hybrid Heat pairs a gas furnace with an electric heat pump to provide comfort, economy and flexibility. Your Carrier Hybrid Heat system 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. And, because the heat pump also delivers cool comfort when it's hot outside, your Hybrid Heat system is a complete, year-round indoor comfort solution. Ask your Carrier dealer if Hybrid Heat is right for you.

### Durability

Neither rain nor hail nor golf or soccer balls can keep a Carrier system from doing its job – they're built tough inside and out.

#### Outside

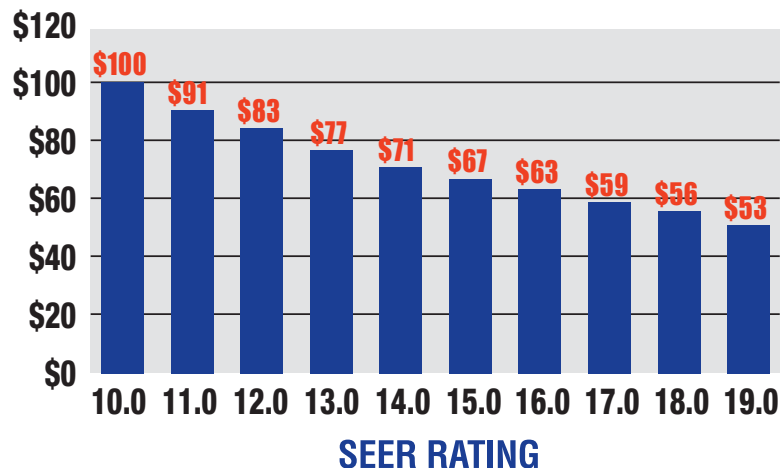
- WeatherShield™ protection and galvanized steel cabinet protect against corrosion and keep your system looking its best for years.
- Louvered steel coil guard promotes optimum airflow through the outdoor unit and prevents coil damage from rocks, sticks, lawn and sports equipment and more.

#### Inside

- Carrier's compressor design has the most trouble-free performance record of any compressor on the market today.
- ArmorPlate™ coil coating protects the outdoor coil from harsh salt air. A specially formulated epoxy is permanently bonded to the coil surfaces. This advanced technology helps prevent the destructive galvanic corrosion that is common in coastal areas.

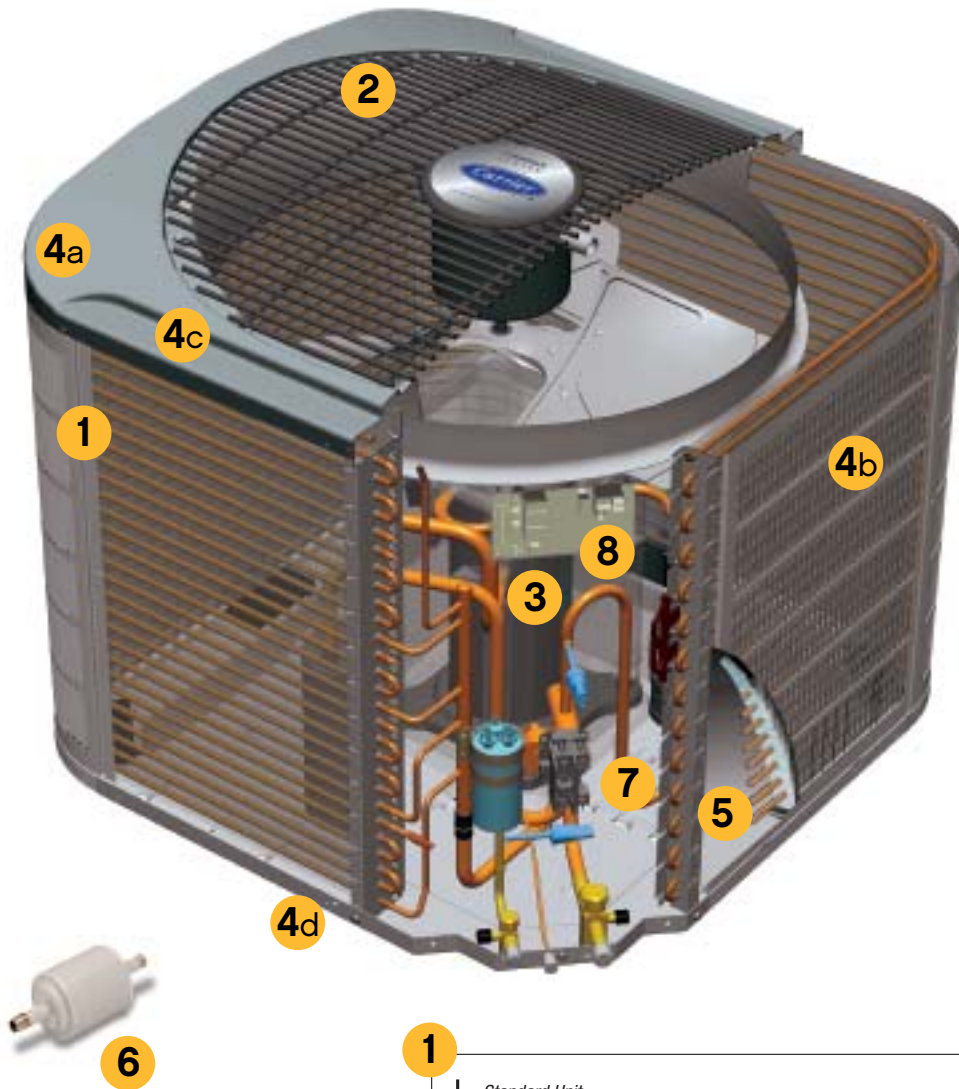
### Greater Operational Efficiency

Carrier's Comfort™ Series heat pumps with WeatherShield™ protection are available with efficiency ratings up to 15.0 SEER when cooling and up to 8.8 HSPF when heating. For every \$100 spent to cool your home using a 10.0 SEER heat pump, a 15.0 SEER heat pump should cost you approximately \$67. Actual savings will depend on the efficiency of your current system compared to the efficiency of a new system.



Operating cost estimate based on a 3-ton system.


## Technology




- 1 **ArmorPlate™ coil coating** – protects the outdoor coil fin from harsh salt air. A specially formulated epoxy-phenolic coating is permanently bonded to the coil fin surfaces.
- 2 **Aerodynamic top** – enhances airflow through the outdoor unit, and reduces noisy turbulence.
- 3 **Compressor** – the heart of the heat pump, the compressor pumps refrigerant through the system.
- 4 **WeatherShield™ protection package** – combines four design elements that protect your comfort:
  - a. **Galvanized steel cabinet**
  - b. **Louvered steel coil guard**
  - c. **Baked-on powder paint**
  - d. **Painted, ceramic-coated screws**
- 5 **Copper Microtube™/aluminum fin coil** – transfers heat outside to maximize indoor cooling while resisting corrosion.
- 6 **Filter drier** – constantly filters the refrigerant to remove moisture or other contaminants that can harm your heat pump system.
- 7 **High-pressure and loss-of-charge switches** – protects the system from extreme conditions.
- 8 **Sound Hood** – reduces compressor sound.

1

*Standard Unit*



*WeatherShield with ArmorPlate™*



**PRODUCT LIFE**

Rigorous testing by Carrier engineers has shown the WeatherShield™ coil to last three times longer than a standard coil in harsh coastal conditions. This improved performance is due to features such as the heavy-duty fin design that resists trapping salt water and the added protection of ArmorPlate™ coating.

## Warranty

The Carrier Comfort™ Series heat pump is protected by a 10-year limited warranty on the compressor and a five-year limited warranty on the entire unit. Extended warranties are also available. Ask your Carrier dealer for details.



**25HCR3C**  
**Comfort™ 13 Series Coastal Heat Pump**  
**with R-22 Refrigerant**  
**1 – 1/2 to 5 Nominal Tons (Size 18 To 60)**



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## Product Data



**WeatherShield™** **Comfort**  
**SERIES**

### INDUSTRY LEADING FEATURES / BENEFITS

#### EFFICIENCY

- 13 SEER/ 10.8 EER / 8.0 - 8.5 HSPF (nominal)
- Microtube Technology™ refrigeration system
- Indoor air quality accessories available

#### SOUND

- Sound level as low as 71 dBA
- Compressor sound blanket

#### COMFORT

- System supports Thermidistat™ or standard thermostat controls

#### RELIABILITY

- Armor Plate™ coil fin corrosion protection
- Front-seating service valves
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- High and Low pressure switch
- Filter drier
- Balanced refrigeration system for maximum reliability

#### DURABILITY

WeatherArmor™ protection package:

- Solid, durable sheet metal construction
- Louvered coil guard
- Baked-on, complete coverage, powder paint

#### APPLICATIONS

- Long-line - up to 250 feet (76.20 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 60 ft. (18.29 m) evaporator above condenser (See Longline Guide for more information.)
- Low ambient (down to -20°F/-28.9°C) with accessory kit

#### WARRANTY

- 10 year limited compressor warranty / 5 yr parts

## MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12	13
N	N	A	A	A/N	N	N	N	A/N	A/N	A/N	N	N
2	5	H	C	R	3	3	6	C	0	0	3	0
Product Series	Product Family	Tier	Major Series	SEER	Cooling Capacity	Variations	Open	Open	Voltage	Minor Series		
25 = HP	H = RES HP	C=Comfort	R = R-22	3=13 SEER		C = Coastal	0=Not Defined	0=Not Defined	3=208/230-1	0, 1, 2...		



This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow all manufacturing refrigerant charging and air flow instructions. **Failure to confirm proper charge and air flow may reduce energy efficiency and shorten equipment life.**

### STANDARD FEATURES

Feature	18-30	24-30	30-30	36-30	48-30	60-30
13 SEER	X	X	X	X	X	X
Scroll Compressor	X	X	X	X	X	X
Louvered Coil Guard	X	X	X	X	X	X
Field Installed Filter Drier	X	X	X	X	X	X
Front Seating Service Valves	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X
Long Line capability	X	X	X	X	X	X
Low Ambient capability with Kit	X	X	X	X	X	X
High Pressure Switch	X	X	X	X	X	X
Loss of Charge Pressure Switch	X	X	X	X	X	X
ArmorPlate™ Condenser Coil Protection	X	X	X	X	X	X
Accumulator	X	X	X	X	X	X

25HCR3C