WEATHERMAKER® 38YZA
HIGH EFFICIENCY HEAT PUMP
WITH PURON® REFRIGERANT

ENVIRONMENTALLY SOUND INDOOR WEATHER WITH UP TO 8.6 HSPF AND 14.5 SEER
Carrier has always provided leadership and innovation to the indoor weather industry. Now, in response to global concern over ozone depletion, Carrier again steps to the forefront with the first non-ozone depleting heat pump - the 38YZA. This remarkable new product provides all of the heating and cooling you've come to expect from Carrier, along with excellent energy efficiency ratings and reliability you can depend on.

**THE 38YZA HEAT PUMP DELIVERS MONEY-SAVING EFFICIENCY AND SUPERIOR RELIABILITY.**

**LEADERSHIP**

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**RELIABILITY**

Carrier products have always delivered excellent reliability, and these new products with Puron refrigerant improve on that record. In fact, Carrier was the first company to offer a long-term replacement for Freon® 22 as far back as 1996. That experience, coupled with our existing knowledge of indoor weather technology, has enabled us to develop one of the most reliable, energy efficient heat pump lines available. Environmentally sound, economically sound and extremely reliable, Carrier's 38YZA heat pump with Puron delivers the year-round comfort you and your family expect from the industry leader.

**QUIET COMFORT**

No matter how the technology changes, Carrier's commitment to providing you with the most comfortable indoor weather stays the same. One aspect of comfort that other manufacturers often overlook is quiet operation. With Carrier, that's not the case because we understand that when it's time to relax with the family, the last thing you want to hear is a noisy heat pump. Featuring Carrier's exclusive Silencer System, the 38YZA is one of the quietest heat pumps currently available.

**EARTH FRIENDLY**

Act now and you'll be ahead later because the existing heat pump systems that use Freon® 22 will either be replaced or converted for use with Puron. By making the switch now, you will be doing your part to help minimize the effects of ozone depletion while enjoying the comfort, performance and long-term reliability of Carrier indoor weather. The 38YZA heat pump easily surpasses the efficiency of a standard, older heat pump you may be replacing. And, when compared to newer models that use Freon 22, the 38YZA is a sound investment because you'll avoid the potentially high costs involved in maintaining an indoor comfort system that uses the older refrigerant.

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* Freon is a registered trademark of E. I. DuPont de Nemours & Co.
FOR UNEQUALLED PERFORMANCE AND DURABILITY, CHOOSE CARRIER.

The 38YZA includes our Silencer System top, an energy-efficient fan and fan motor, a heavy-duty compressor shell with sound hood, and a compressor vibration isolator plate. The Silencer System top is designed to allow smooth, easy airflow into and out of the outdoor unit to minimize sound and air turbulence. This new top design also allows us to utilize a low-speed fan motor with large-diameter fan blades. These two features provide quieter, more efficient operation than a high-speed model. The compressor vibration isolator plate is made of a special vibration absorbing material surrounded by two metal plates. It's mounted underneath the compressor and prevents vibrational noise from escaping. The sound hood is designed of sound-absorbing materials which blanket the compressor and further enhance the quiet comfort of the 38YZA. These components work together to reduce noise from air turbulence and compressor operation, making the 38YZA both quiet and unobtrusive.

PERFORMANCE

In addition to delivering quiet comfort, the Silencer System enhances the operational efficiency of the 38YZA. Due to the improved airflow throughout the outdoor coil, the heat pump system doesn't have to work as hard as other, more turbulent systems. As a result, the 38YZA delivers quiet indoor comfort with improved energy efficiency. This design feature also allows us to use a smaller outdoor coil which takes up less space in your yard.

DURABILITY

Designed to deliver the comfort, efficiency and reliability of tomorrow, Carrier’s 38YZA heat pump is the perfect choice for homeowners today. On the outside, our WeatherArmor™ III system combines a heavy, galvanized steel cabinet, a heavy-duty wire grid and ceramic-coated screws to protect your heat pump system from rust, corrosion and other potentially damaging outdoor elements. Inside the unit, the rugged, durable components are made of copper, brass and aluminum for long-lasting comfort and energy savings.

QUIET COMFORT

From the first phases of development to the finished product, Carrier’s extensive testing ensures that each 38YZA heat pump meets our strict requirements for performance and durability. Our reliability checks begin with design and assembly-line testing. Then, we test the 38YZA at 125°. That’s a full 10° higher than the industry standard requirements. Finally, each product is run-tested by a bank of computers which check the vital functions to ensure that your new heat pump will meet your comfort demands.

*Comparison of 38YZA and a standard model with a sound rating of 80dBa. Sound levels vary by size.

It takes almost five Carrier 38YZA models operating at the same time to equal the sound produced by one typical heat pump.
CARRIER’S 38YZA OFFERS NEW TECHNOLOGY WITH PROVEN QUALITY AND RELIABILITY.

TECHNOLOGY

ENVIRONMENTALLY SOUND
Puron refrigerant delivers year-round comfort without harming the earth’s ozone layer.

FUTURE COST OF SERVICE SAVINGS
Puron refrigerant in your heat pump system will help you avoid the potentially high costs of maintaining or replacing products using Freon® 22®.

ENERGY EFFICIENCY
1 Scroll Compressor designed specifically for use with Puron refrigerant operates with extra energy efficiency.

2 Copper tube/aluminum fin coil maximizes heat transfer needed for indoor heating and cooling and resists corrosion for years of money-saving cooling.

Puron refrigerant provides higher efficiency heat transfer than Freon® 22 for energy-saving indoor weather.

EXCEPTIONALLY QUIET
4 Stylized Silencer System top for reduced air turbulence and quiet operation.

5 Highly efficient fan designed to quietly move outdoor air at lower speeds.

6 Deluxe compressor sound hood absorbs compressor sound.

Compressor vibration isolator plate prevents vibrational noise from being transferred to the base pan and potentially into the home.

Discharge muffler ensures quiet performance by minimizing pulsations in the refrigerant line.

SUPERIOR RELIABILITY
9 Carrier’s Puron scroll compressor has the most trouble-free performance record of any scroll compressor on the market today. A heavy-duty shell protects your compressor for excellent reliability.

High and low pressure switches protect the compressor from extreme conditions.

Discharge temperature switch adds to the reliability and overall performance of the 38YZA by protecting the compressor from over heating.

Accumulator ensures smooth operation by delivering extra lubrication to the compressor. Oil-rich refrigerant is sent to the compressor to help maintain the efficiency and overall reliability of the 38YZA.

Filter drier constantly filters the refrigerant to remove moisture or contaminants that can harm your heat pump.

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EXCEPTIONALLY QUIET

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Highly efficient fan designed to quietly move outdoor air at lower speeds.

Deluxe compressor sound hood absorbs compressor sound.

As an ENERGY STAR® Partner, Carrier Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

WARRANTY

Carrier ensures your indoor weather by providing written product and component warranties. The scroll compressor is protected by a ten-year limited warranty and features a standard five-year warranty on the outdoor coil. The entire unit is protected by a one-year limited warranty. Extended warranties are also available. Ask your Indoor Weather Expert for details.

The WeatherArmor™ III system protects your heat pump from hazards such as harsh weather, garden tools and sports equipment. The enhanced coil guard protects the unit’s coil to help maintain top performance and efficiency. The heavy-duty galvanized steel cabinet resists corrosion and scratches. The cabinet is held together with ceramic-coated screws for additional protection against rust and corrosion.

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By combining our knowledge of indoor weather technology with new innovations and designs, Carrier remains at the forefront of the indoor weather industry. According to the Clean Air Act of 1990, Freon® 22® and other harmful refrigerants will be phased out of use and homeowners will soon have to turn to Puron® refrigerant to maintain their indoor comfort. That's why Carrier has been designing and testing heating and cooling equipment that uses Puron, the refrigerant approved by the EPA to replace Freon® 22. In fact, Carrier has been offering Puron-based systems like the 38YZA since 1996, developing a complete line of products using the world's first, long-term solution to ozone depletion. Environmentally and economically sound, and extremely reliable, Carrier's 38YZA heat pump with Puron refrigerant provides the comfort you expect from an industry leader like Carrier.

The 38YZA allows homeowners to avoid the potentially skyrocketing costs for servicing units with Freon® 22. In the past, when a refrigerant has been phased out, the costs of servicing products using that refrigerant have risen dramatically. It happened in the automobile industry with Freon® 12, and it could easily happen with Freon® 22. By choosing the 38YZA with Puron refrigerant, you begin saving money right away and avoid the potentially higher service costs later.

Carrier products have always delivered excellent reliability, and these new products with Puron® refrigerant improve on that record. In fact, our Puron-based heat pumps have gained recognition nationwide for dependable operation.

By replacing your older heat pump with a Carrier model using Puron® refrigerant, you could be protecting yourself from the rising costs of servicing Freon® 22 products.

"Another factor to consider these days is the use of environmentally friendly refrigerants. ... Carrier is the first manufacturer in the industry to offer Puron—a environmentally sound... refrigerant that offers high efficiency and long-term cost savings to homeowners."

- Consumers Digest, May/June 1998

1996 – A cap was placed on the production of refrigerants that use HCFCs.
2010 – Manufacturing new air conditioners utilizing Freon®-22 is prohibited.
2020 – Production of Freon®-22 is banned.

Historical Data
Phase-Out of R-12 in Automobiles

The U.S. Government has begun phasing out Freon® 22 and all other refrigerants that destroy the ozone layer. By 2010, Freon® 22 will be banned from use in new HVAC equipment.

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CARRIER INDOOR WEATHER SYSTEMS OFFER UNMATCHED PERFORMANCE.

INDOOR WEATHER SYSTEMS

Humidifier
As part of a total indoor weather system, a Carrier humidifier replenishes moisture to dry, indoor air.

Fan Coil
This 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.

Air Cleaner
Carrier air cleaners can substantially improve your indoor weather by removing harmful and irritating airborne pollutants from your home.

Heat Pump
This outdoor unit provides high-efficiency heating and cooling with maximum reliability for long-lasting comfort and energy savings. When you replace your outdoor unit, Carrier recommends the replacement of the indoor section as well to ensure peak performance and reliability.

Thermostat
A Carrier thermostat is your command center. Precise temperature and humidity control and programmable features keep you in touch with your comfort.

Comfort Ventilator
Carrier’s comfort ventilator adds a breathe of fresh air to today’s tightly constructed home. It combines fresh outdoor air with conditioned air for improved air and energy exchanges.

Zoning
Comfort zoning allows you to set different temperatures for different areas of your home. Enjoy greater comfort and added energy savings with room-to-room temperature control.

EXPERTISE

Carrier has been on the leading edge of the indoor weather industry since Willis Carrier invented what we now know as air conditioning in 1902. Since that time, Carrier scientists, engineers and dealers have been providing homeowners with the most advanced indoor weather technology available. This technological advantage has enabled Carrier to customize indoor weather systems for millions of homeowners nationwide.

Today, you can rely on your local Carrier dealer to evaluate your indoor weather needs and suggest a customized system that fits those precise requirements. By recommending the appropriate heat pump, fan coil, humidifier, air cleaner, ventilator, zoning system and controls, your Carrier Indoor Weather Expert can deliver enhanced comfort while improving the efficiency of your indoor weather system. Ask your Indoor Weather Expert for a system evaluation today.

MATCHING COMPONENTS PROVIDE OPTIMUM EFFICIENCY AND SYSTEM PERFORMANCE.

- Forced-air systems are usually built around an indoor unit, such as a furnace or a fan coil.
- The outdoor unit will either be an air conditioner or a heat pump with a matching indoor coil. All system components should be properly matched to improve energy efficiency and long-term reliability.
- Air quality is greatly enhanced with the addition of an air cleaner, humidifier and a ventilator.
- Precise temperature and humidity control comes from a Carrier thermostat which is matched to your specific indoor weather system.
- Zoning provides the ultimate control for truly custom made indoor weather.

Always look for these symbols, the heat pump industry seals of certified performance, efficiency and capacity.