



THE IDEALHUMIDITY ENHANCED COMFORT SYSTEM



Ideal Humidity
SYSTEM

SUPERIOR HUMIDITY CONTROL, ALL DAY, ALL NIGHT, ALL YEAR LONG

CARRIER DELIVERS IDEAL COMFORT.

INNOVATION

An IdealHumidity System actively controls both temperature and humidity in your home to maximize your comfort, all year long. All indoor comfort systems can provide some humidity control through heating or cooling operation. IdealHumidity from Carrier is the ONLY system that provides humidity control independent of heating or cooling demand to provide truly superior indoor comfort and energy savings.

Indoor humidity control is important because too much or too little moisture influences your comfort, your health, and the condition of your home's interior and furnishings. During the heating season, low humidity can cause dry skin and nasal passages, growth of bacteria and viruses, static electricity, damaged woodwork and more. Moisture evaporating from your skin makes you feel cooler than normal. During the cooling season, high humidity allows faster



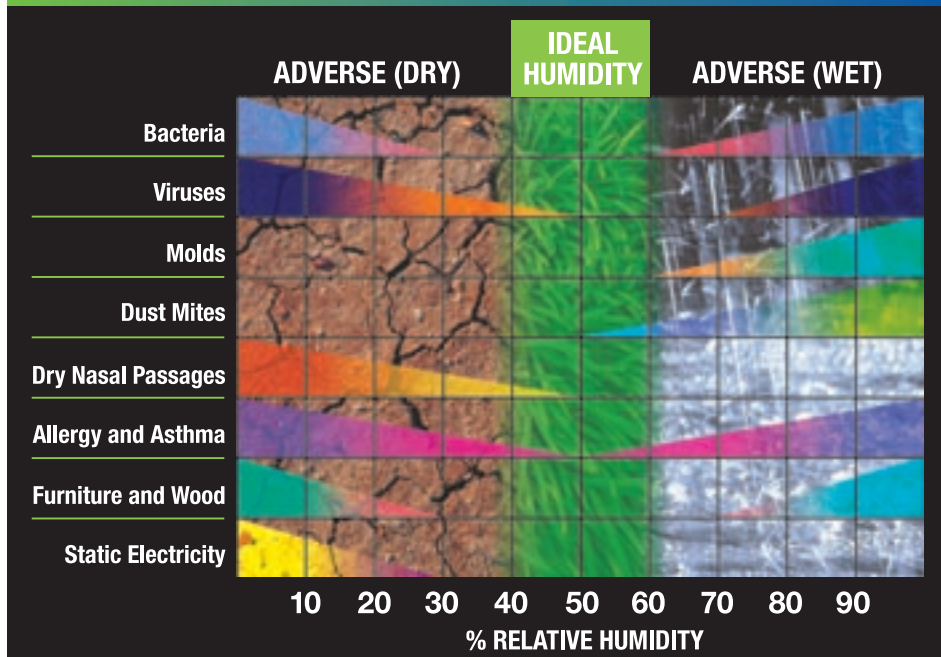
growth of bacteria, viruses, dust mites, mold and mildew; it causes painted surfaces to peel and woodwork to warp, buckle and rot; and it makes you feel hot and sticky. The Carrier IdealHumidity System minimizes these problems by maintaining proper humidity levels, allowing you to feel more comfortable all year long.

PERFORMANCE

Carrier is the ONLY manufacturer offering a system that can humidify or dehumidify even when there's no need for heating or cooling. Why is this so important? Here is one typical example: Humidity can build up inside your home at night when the system is not actively cooling. Because a standard system only dehumidifies while cooling, you wake up hot and sticky. Another situation common in many parts of the country occurs when outdoor humidity levels are high but the temperature is below 80-85°. The air in the home is cooled, but humidity continues to build, leaving you feeling hot and sticky. When you turn down the thermostat for more cooling and humidity removal, you become cool and clammy. IdealHumidity adapts to these and other conditions to maintain the best possible combination of comfortable temperature and correct humidity. As a result, many people will find that they can enjoy higher temperatures in the summer and lower temperatures in the winter to save money on their cooling and heating costs.

IdealHumidity offers all of this performance with unmatched convenience and extra energy efficiency. Standard systems provide humidity control with a humidifier and a humidistat. Some systems can provide extra moisture removal with slower fan speeds. However, all of these systems require heating or cooling operation to help control humidity. None offer the convenience and precision of IdealHumidity—one system with one control that automatically adjusts operation for the best possible combination of temperature and humidity. And, none of those other systems are designed, built and backed by the best name in the business: Carrier.

WHY HUMIDITY IS IMPORTANT



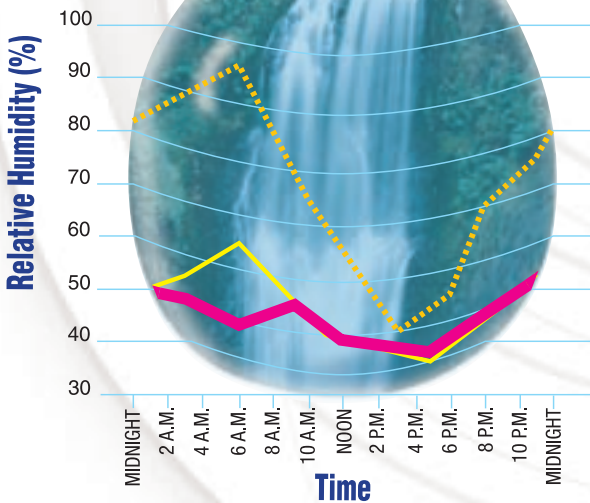
Investing in a system that can maintain IdealHumidity will dramatically improve your comfort. If the humidity in your home is too high or low, it creates an ideal atmosphere for the growth of mold, mildew, bacteria, and viruses. The ideal relative humidity level for a home is usually between 40 and 60 percent. As the relative humidity in your home falls below or above this range the climate becomes more conducive to the issues listed in the chart. For example, bacteria has a hard time flourishing when the relative humidity inside your home is between 30 and 60 percent. At 60 percent relative humidity, conditions are such that bacteria growth can occur. As the relative humidity inside your home increases, the atmosphere becomes more ideal for the bacterial growth. This is shown in the graph by the increased height of the blue bar. By investing in Carrier's IdealHumidity System that can control both high and low humidity, you can enjoy a more comfortable home and protect the investment you have already made in your home and its contents.

TECHNOLOGY

Your Carrier dealer can configure an **IdealHumidity System** that makes the most sense for you. A complete IdealHumidity System will include a Carrier variable speed furnace or fan coil; a Carrier air conditioner or heat pump; or variable speed packaged unit; a Carrier humidifier; and our patented Thermidstat™ Control. Your Carrier dealer will work with you to create the ideal system for your home.

IdealHumidity System

- Outdoor Humidity
- Indoor Humidity Without IdealHumidity
- Indoor Humidity With IdealHumidity



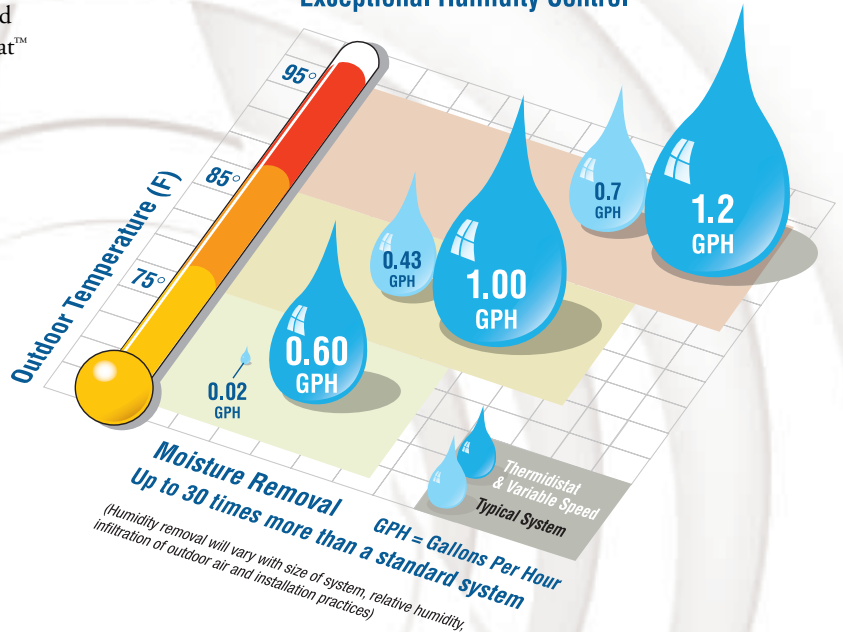
Humidity can build up during the night when there is little need for cooling. That leaves you feeling “sticky” when you awake. IdealHumidity Systems constantly control both temperature and humidity, day and night, in any season.



IdealHumidity

SYSTEM

Exceptional Humidity Control



Typical home comfort systems control humidity two ways: with a humidifier during heating, and with normal cooling operation. **IdealHumidity controls humidity four ways:**

#1 Like typical systems, IdealHumidity adds moisture to the air during heating operation with the help of a humidifier. Carrier's Thermidstat Control adjusts humidity levels automatically to help prevent condensation on windows and doors.

#2 Unlike typical systems, IdealHumidity adds moisture even when there is no need for heat. When humidity is low, the Thermidstat Control activates the humidifier and the system's blower for humidification without heating.

#3 During cooling operation, all systems will dehumidify. To maintain the most comfortable level of humidity, IdealHumidity can automatically decrease fan speed for longer dehumidification cycles, or increase fan speed for the best cooling performance. Unlike other systems, IdealHumidity adapts to the needs of your home.

#4 When cooling is not needed, IdealHumidity continues to monitor humidity levels in the home. As moisture in the air climbs above acceptable levels, the system turns on at very low fan speed to adjust humidity even when the Thermidstat Control is not calling for cooler temperatures.

CARRIER OFFERS TOTAL INDOOR WEATHER SOLUTIONS DESIGNED TO MATCH THE NEEDS OF HOMES AND HOMEOWNERS NATIONWIDE.

INDOOR WEATHER SYSTEMS

Humidifier

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

Evaporator Coil

A Carrier evaporator coil is matched with the proper outdoor unit to provide top cooling efficiency and years of reliable service. If replacing your outdoor unit, Carrier recommends the replacement of the indoor section as well, to ensure peak performance and reliability.

Furnace or Fan Coil

Carrier offers a complete line of top-quality, high-efficiency gas furnaces as well as fan coils. Ask your Indoor Weather Expert which one is right for you.

Air Cleaner

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

Air Conditioner or Heat Pump

The complete line of Carrier air conditioners and heat pumps provides reliable, high-efficiency cooling for long-lasting comfort and energy savings. Ask your Indoor Weather Expert about environmentally sound Carrier air conditioners and heat pumps with Puron® refrigerant.

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.

Comfort Ventilator

Carrier's comfort ventilator adds a breath of fresh air to today's tightly constructed home. It combines fresh outdoor air with conditioned indoor air for improved air and energy exchanges.

Thermostat™ Control

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



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 be an air conditioner or heat pump combined with a furnace 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 indoor weather system.
- Zoning provides the ultimate control for truly custom made indoor weather.



EXPERTISE

Carrier has been on the leading edge of indoor weather technology since Willis Carrier began developing products for temperature and humidity control in 1902. Today, Carrier's scientists, engineers, and dealers continue to provide homeowners with the most advanced indoor weather

systems available. This technological advantage has enabled Carrier to design, install and maintain customized indoor weather systems to fit the precise needs of individual homeowners.

Your local Carrier dealer provides expert needs analysis and can recommend the perfect combination of Carrier products to meet your unique requirements. By matching

a complete system including air conditioning, indoor air quality, zoning, comfort control and heating with the WeatherMaker® Infinity™ gas furnace, your Carrier dealer can help you enjoy greater comfort and lower operating costs, backed by the world's proven leader in indoor weather: Carrier.



www.carrier.com

A member of the United Technologies Corporation family.
Stock Symbol UTX.

© Carrier Corporation 2001

08HU-MC2

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

