

# Performance™ Series



Humidifiers

turn to the experts™ 



Performance  
SERIES

Improve Winter Comfort by Adding  
Moisture to Dry, Indoor Air

## Innovation and the Environment

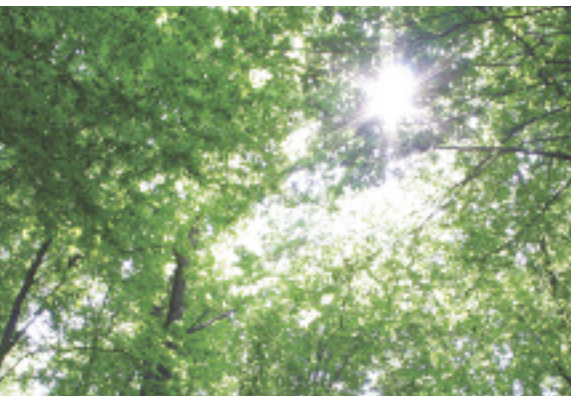
Over 100 years ago, a humble but determined engineer solved one of mankind's most elusive challenges by controlling the indoor environment. A



leading engineer of his day, Dr. Willis Carrier would file more than 80 patents over the course of his career. His genius would enable incredible advancements in health care, manufacturing processes, food preservation, art and historical conservation, indoor comfort and much more.

Carrier's foresight changed the world forever and paved the way for over a century of once-impossible innovations. Yet in addition to being an accomplished inventor, he was also an avid outdoorsman. Carrier recognized the power and beauty of the natural environment. This appreciation of our world and its resources continues to guide Carrier Corporation today. We will never rest on our accomplishments, but instead consistently look for ways to improve our products, our environment and our world.

Carrier® Performance™ series humidifiers can enhance the comfort in your home by adding moisture to dry, indoor air during the heating season. A properly humidified home can promote higher system efficiency, provide relief from many of winter's discomforts and improve indoor air quality.



## Leaders in Technology



Model LFP



Model STM



Model WBP

## How Dry Air Affects System Efficiency

During the heating season your home can become overly dry with relative humidity between 5 – 15%. That's drier than the Sahara Desert!\* As moisture in the air evaporates, you feel colder, are likely to turn up the heat, and your system will use extra energy. With a Carrier Performance series humidifier, you can achieve a more soothing, 35 – 55% humidity that makes you feel warmer at lower temperatures. As a result, you can save money on your heating costs.

\*relative humidity in the Sahara Desert is 25%

## 1 Easy Maintenance and Cleaning

Convenient access from the front of the humidifier cabinet allows for quick and easy removal and replacement of the treated pad or steam canister. Routine cleaning and maintenance ensures top performance.

## 2 Quiet Comfort

The precision-tuned fan and motor combination on our fan-powered humidifiers quietly and efficiently draws dry air through the evaporator pad. On our bypass models, the furnace blower moves dry air quietly through the humidifier. The steam model quietly delivers high temperature water vapor into the duct with a unique dispersion tube. No matter which model is right for you, water is delivered to the dry air in the form of vapor.

## 3 Lasting Durability

Our attractive and corrosion-resistant thermoplastic cover on bypass and fan-powered models is designed to withstand high temperatures and impact for long-lasting durability. UV-resistant plastic will not deteriorate with exposure to ultraviolet light sources. On steam models, the cabinet is fabricated from heavy gauge sheet metal and is painted for resistance to corrosion.

## 4 Precision Performance

Carrier® Performance™ series humidifiers ensure optimum moisture distribution that is measured and controlled with our combined solenoid valve, water delivery system and control.



Model	STM	LBP	SBP	WBP	LFP	SFP
Unit Type	Steam	Large bypass	Small bypass	Water saver bypass	Large fan-powered	Small fan-powered
Capacity (gallons/day)	11.5 - 34.6*	17	12	17	18	12
Water Vapor Delivery	Dispersion tube in duct	Expanded aluminum evaporator pad	Expanded aluminum evaporator pad	Wicking paper evaporator pad	Expanded aluminum evaporator pad	Expanded aluminum evaporator pad
Notes	Large homes, highest output	Large homes	Small homes	100% efficient in water usage	Large homes	Small homes, compact size

\* Varies, based on voltage and amperage.

## It's About Your Comfort

Properly humidified indoor air can provide comfort benefits during the heating season beyond feeling warm and cozy. It can provide relief from dry nasal passages as well as alleviate the discomfort of dry, itchy skin and annoying static shocks. And, it can help minimize the growth of bacteria, molds, viruses and dust mites in your home. With five distinct models to choose from, Carrier offers a humidifier that is just right for your home.

All year long, humidity affects the temperature at which you feel most comfortable. That's why Carrier Ideal Humidity System® technology plays such an important role in your comfort. When you combine a Carrier Performance series humidifier, variable-speed furnace or fan coil, a matching Carrier air conditioner or heat pump and a compatible thermostat, Ideal Humidity System technology allows you to control humidity levels even when your system isn't calling for heating or cooling.† You'll feel cooler at higher temperatures in the summer and warmer at lower temperatures in the winter.



† Ideal Humidity System technology continually monitors indoor humidity, indoor temperature and outdoor temperature, and has the ability to turn on your comfort system just for dehumidification in the cooling season or humidification in the heating season.

## Limited Warranty

To the original owner, Carrier Performance series humidifiers are covered by a 10-year parts limited warranty upon timely registration. The limited warranty period is five years if not registered within 90 days of installation. Jurisdictions where warranty benefits cannot be conditioned on registration will receive the registered limited warranty period. See warranty certificate at carrier.com for complete details and restrictions. Be sure to ask your Carrier dealer about optional labor warranties.



# Carrier® Systems for Unmatched Performance in Every Season

Willis Carrier's meticulous attention to quality and detail led to a major culture shift in the way we live indoors. More than a century later, Carrier Corporation operates with a unique willingness to develop new technology, the confidence to revise proven designs and the ability to deliver results with every new installation.

Part of that equation is our nationwide network of experts you can turn to for all of your indoor comfort needs. Your local Carrier dealer is well equipped to evaluate your home – everything from size, window placement, ductwork, venting and other structural specifics – and create a customized system designed around your lifestyle. So when it's time to make a choice for your family's comfort, make the best decision you'll ever make – Carrier – and let the experts do the rest.



- A. Air Conditioner
- B. Gas Furnace
- C. Evaporator Coil
- D. Air Cleaner
- E. Ventilator
- F. Humidifier
- G. Zoning
- H. UV Lamp
- I. Edge Programmable Thermostat

## The Total Indoor Comfort System

**Air Conditioner** provides reliable, high-efficiency cooling for long-lasting comfort and energy savings.

**Gas Furnace** provides reliable, high-efficiency heating for long-lasting comfort and energy savings.

**Evaporator Coil** is matched with the proper outdoor unit to provide top heating and cooling efficiency and years of reliable service.

**Air Cleaner** improves air quality by removing harmful and irritating airborne pollutants in your home.

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

**Humidifier** replenishes moisture to dry air.

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

**UV Lamp** inhibits the growth of contaminants on the indoor coil, leaving your home with cleaner, fresher indoor air.

**Edge® Programmable Thermostat** allows precise temperature and humidity control along with programmable features to further customize your comfort.

Models LFP, SFP, SBP, LBP, WBP, STM  
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AUTHORIZED  
PARTS**

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