



# COMFORT™ SERIES GEOTHERMAL HEAT Pumps

The Smart Choice for Energy  
Efficiency and Comfort

featuring  
**Puron**  
ADVANCE™



Model GBA

# DESIGNED WITH YOUR COMFORT IN MIND

Geothermal systems offer incredible energy efficiency and long-term cost savings, and they can create a more even, consistent level of comfort in your home. Within our geothermal family of products, Carrier offers a wide variety of units, features and options, ensuring we have a geothermal system your family can depend on. For the homeowner who expects more from their heating and cooling system, our Comfort Series geothermal heat pump, model GBA, offers just that.



## Efficient

Carrier geothermal products deliver up to four units of energy for every one unit of energy purchased, saving you up to 70% in annual heating and cooling costs.<sup>1</sup>

## Dependable

Geothermal systems are built to last. Made from high-quality materials, their placement inside the home and out of the weather means they can operate for years virtually maintenance-free.

## Comfortable

Geothermal systems utilize moderate ground temperatures to ensure you and your family enjoy consistent, comfortable temperatures throughout your home with optimal humidity and zero hot or cold spots.

## Green

Geothermal systems reduce your carbon footprint today and for future generations. In fact, geothermal systems are better for the environment than ordinary heat pumps, cutting up to 50% of carbon emissions.<sup>2</sup>

## Cost-Effective

Because of the extremely low cost of operating a geothermal system compared to ordinary heating and cooling systems, existing homes could recover the added cost of the system within 5 - 7 years. New home builds could be saving money from day one. You can even use excess heat from system operation to supplement your water heater.

## Quiet

Unlike ordinary heating and cooling systems, geothermal systems require no outdoor unit. Our products include heavy-duty sheet metal cabinets, high-density insulation, and a double-insulation mounted compressor for quiet operation.



## WARRANTY

Ten-year parts and five-year labor limited warranty upon timely registration.<sup>3</sup>

# HOW GEOTHERMAL MAKES THE MOST OF THE EARTH'S ENERGY

Geothermal offers an energy-efficient, cost-effective space conditioning system that taps into the earth to capture its renewable energy.

The sun heats the earth, which then stores about 47% of that energy in the ground. Just a few feet below the frost line, the temperature remains between 55 and 70 degrees all year round in many climates.

## WINTER

A geothermal system extracts the energy stored in the earth during the winter, concentrates that energy through compression, and then uses it to heat your home. So instead of heating using ice-cold air like an ordinary heat pump, geothermal systems make the most of heat that already exists in the ground.

## SUMMER

In the summer, the process is reversed. A geothermal system extracts the heat from your home and transfers that heat to the ground. Unlike ordinary cooling systems that are forced to dispose of excess heat into hot air, the cool ground just a few feet below the surface is ready to accept that heat.

## A RANGE OF COMFORT

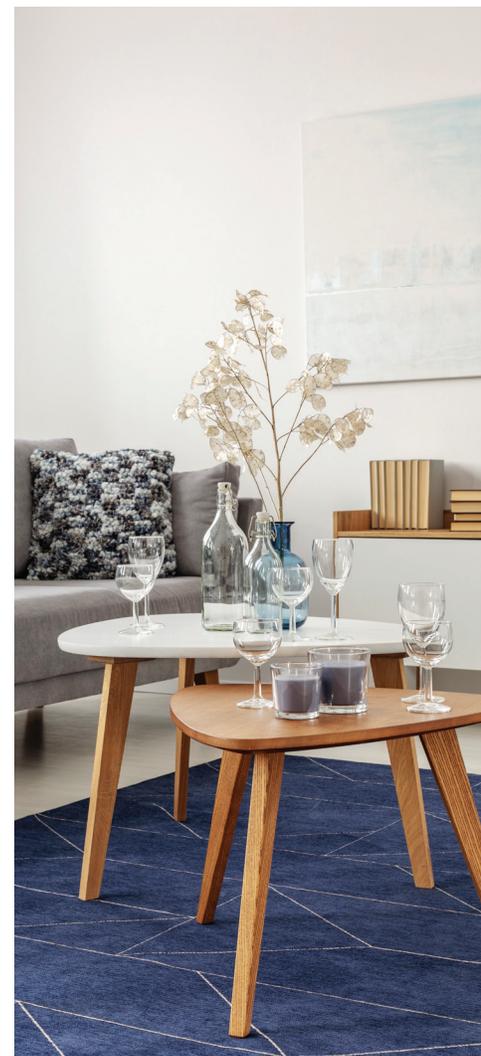
This Comfort Series water-to-air heat pump offers exceptional quality and year-round operation at a price you can get comfortable with. You can also enjoy optional supplemental hot water generation to save money on monthly water heating. The system's compressor, combined with a multi-speed blower motor, corrosion-resistant coil, microprocessor control and quiet operation make this a great choice.

## TECHNICAL SPECS

Overall Efficiency	All sizes ENERGY STAR®-certified
Cooling Efficiency (Closed Loop)	Up to 24.0 EER
Cooling Efficiency (Open Loop)	Up to 27.0 EER
Heating Efficiency (Closed Loop)	Up to 4.1 COP
Heating Efficiency (Open Loop)	Up to 4.6 COP
Compressor Type	Two-Stage Scroll (2-5 ton models) Single-Stage Rotary (1.5 ton model)
Blower Motor Type	ECM Constant Airflow
Installation Location	Indoor
Sound Performance	Quiet

## RENEWABLE ENERGY TAX CREDITS

Qualified homeowners may be eligible for a tax credit of the installed system cost. Visit [www.energy.gov/eere/geothermal/tax-credits-incentives-and-technical-assistance-geothermal-heat-pumps](http://www.energy.gov/eere/geothermal/tax-credits-incentives-and-technical-assistance-geothermal-heat-pumps) to learn more.



# MORE THAN A CENTURY OF COOL

In 1902, a determined engineer answered one of mankind's most nagging questions: How do we make hot, sticky, indoor air go away? In creating the world's first modern air conditioning system, Willis Carrier forever changed indoor life, and, more than a century later, the corporation that bears his name takes inspiration from his example.

Carrier strives to improve on our founder's breakthroughs, introducing new technologies that make life at home even cooler. Today, a nationwide network of experts continues to advance Willis Carrier's lifework. Your expert Carrier dealer is equipped to evaluate your home and create a customized system designed around your lifestyle.

<sup>1</sup> Savings calculated using Carrier LoopLink software. Comparison based on simulation in Dallas, Texas. Carrier 6-ton unit vs. standing pilot propane furnace, standard air conditioner and local fuel rates. Actual savings will vary based on configuration, weather and local energy costs.

<sup>2</sup> [www.geoexchange.org/geothermal-101/](http://www.geoexchange.org/geothermal-101/)

<sup>3</sup> To the original owner, when products used in an owner occupied residence, a 10-year parts limited warranty upon timely registration of your new equipment. Warranty period is five years if not registered within 90 days. Jurisdictions where warranty benefits cannot be conditioned on registration will automatically receive a 10-year parts limited warranty. See warranty certificate for complete details.



**Comfort**  
SERIES

[carrier.com](http://carrier.com) 1-800-CARRIER  
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As an ENERGY STAR® partner, Carrier Corporation has determined that qualifying models meet ENERGY STAR guidelines for energy efficiency. Ask your dealer for details or visit [www.energystar.gov](http://www.energystar.gov).

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