ALL THE COMFORTS OF HOME
WATERFURNACE RESIDENTIAL PRODUCT LINE
Heat & cool your home the smart way with a WaterFurnace geothermal comfort system using the clean, free, renewable energy found just below the earth’s surface. WaterFurnace units don’t rely on expensive limited fossil fuels which negatively impact our environment. Thanks to energy efficiency ratings of over 500%, WaterFurnace systems save many homeowners up to 70% in heating and cooling costs while helping to protect the environment. With outstanding energy efficiency, cost effectiveness, and environmental responsibility, it’s easy to see why a WaterFurnace geothermal system is “Smarter from the Ground Up.”

As a leader in the industry, WaterFurnace is dedicated to innovation, quality and customer satisfaction. Every unit built is exposed to a wide range of quality control procedures throughout the assembly process. They are subjected to a rigorous battery of computerized run tests to certify that performance meets or exceeds standards for efficiency, safety, and reliable operation. As further affirmation of our quality standards, each unit carries our exclusive Quality Assurance certification that performance meets or exceeds standards for efficiency, safety, and reliable operation. As further affirmation of our quality standards, each unit carries our exclusive Quality Assurance certification that performance meets or exceeds standards for efficiency, safety, and reliable operation.

ENERGY EFFICIENT: WaterFurnace geothermal systems are simply the most efficient units available. They can deliver over five dollars of energy for every dollar of electrical energy used. That translates into an astounding efficiency rating of more than 500 percent, compared to the most efficient gas furnace, which rates only 98 percent.

COST EFFECTIVE: Because of the extraordinary efficiency of a WaterFurnace system, any added costs over an ordinary unit are usually more than offset by your monthly energy savings. In new homes, most homeowners experience an immediate positive return on their investment. In replacement installations, costs are usually recouped within just a few years.

ENVIRONMENTALLY FRIENDLY: WaterFurnace systems harness the free renewable energy in your own backyard to heat and cool your home. Installing a WaterFurnace system is the environmental equivalent of planting 750 trees or removing two cars from the road. Additionally, WaterFurnace systems don’t burn fossil fuels or emit harmful greenhouse gases. That’s why the Environmental Protection Agency calls it the most environmentally friendly way to condition our homes.

COMFORTABLE: Using the stable temperature of the earth, WaterFurnace systems provide consistent comfortable heating and cooling. You can even regulate temperatures in different areas of your surroundings or clutter your home’s outdoor appearance.

SAFE: Because no fossil fuels are required to operate a WaterFurnace unit, there’s no combustion, flames or fumes, and no chance of carbon monoxide poisoning.

FLEXIBLE: No matter what climate you live in, your WaterFurnace system will deliver. One compact WaterFurnace unit provides heating, central air conditioning and domestic hot water assistance. A variety of configurations and sizes are available to fit any home, including newly constructed and existing homes.

CLEAN: High-efficiency air cleaners found in WaterFurnace systems improve your indoor air quality by removing dust and pollen so you can breathe easier. For added protection, ask about our AlpinaPure line of premium indoor air quality solutions.

5 SERIES 500A11 Overall efficiency, performance & features: **** 32.0/41.0/4.8

As the upgrade to our highly successful Envision Series, the 5 Series represents some of our best features and efficiencies yet. The 500A11 provides forced air heating, air conditioning, and even generates a portion of your home’s hot water—all from a single unit that offers a level of comfort and savings that’s far greater than any ordinary system. Available in many sizes and configurations, the 500A11 provides exceptional performance, versatility, and quiet operation. Most 5 Series products utilize environmentally friendly R-407A refrigerant and the best in system components, including the next generation of WaterFurnace controls—Aurora. Aurora controls provide two-way communication between components for the ultimate in performance and troubleshooting capabilities.

5 SERIES 506A11 Overall efficiency, performance & features: **** 21.0/41.0/6.0

The 5 Series 506A11 is our latest offering in the 5 Series residential geothermal product line. It provides the space-saving convenience of an all-in-one unit along with the benefit of being more favorable to your home with an installation on either the roof or outside. This packaged outdoor system comes with our innovative Aurora controls for advanced two-way communication between components and the ultimate in performance and troubleshooting. The 506A11’s outdoor cabinet is outdoor-rated and fabricated from heavy-gauge steel with a corrosion-resistant coating for years of durability. Dual capacity compressors offer high performance while aluminum air coils provide extra-long durability and system life. Optional internal electric heat is available.

5 SERIES 700A11 Overall efficiency, performance & features: **** 35.0/41.0/4.8

The 700A11 signifies groundbreaking innovations on multiple fronts—most notably as the first variable capacity geothermal unit in full production and the only unit to surpass both the 41 EED and 5.3 CDP efficiency barriers. Our Aurora communicating controls work in unison with the variable capacity compressor, variable speed pumps and variable speed blower motor to offer a level of comfort you have to experience to believe. Best of all, 7 Series units use the stored energy in your yard to provide savings up to 70% on heating, cooling and hot water.

For more information or to find a dealer near you, please contact our customer service department at 1-800-221-3221.
A WaterFurnace unit is the environmental equivalent of planting an acre of trees.

HYDRONIC UNITS

5 SERIES 504W11 3 to 6 tons
Overall efficiency, performance & features: ***** 23.3 EER / 4.4 COP
The 504W11 high temperature hydronic heat pump with OptiHeat technology is another geothermal solution for boiler replacement. It utilizes an additional heat exchanger to divert excess heat and reinjects it into the system, creating higher exiting water temperatures and optimum compressor operating conditions. Smaller loads are required and result in the ultimate in efficiency.

5 SERIES 500W11 1.5 to 6 tons
Overall efficiency, performance & features: ***** 22.8 EER / 4.3 COP
The 500W11 provides super-efficient hot water generation for pool/spa heating, radiant floor, snow melt, aquaculture, and process water installations. Its wide range of operating temperatures, compact size, and reversible control box and piping allow the 500W11 to be used in a variety of applications. The 500W11 samples entering water temperature and automatically enables the pumps and compressor for peak performance.

ENVISION NDW 8 to 16 ton
Overall efficiency, performance & features: ***** 13.5 EER / 5.3 COP
The Envision Series NDW is designed to meet the high-volume water demands of today’s larger luxury homes. NDW units provide high capacity heating and cooling performance but still deliver the features homeowners have come to expect from our Envision line. Two high-efficiency single speed scroll compressors keep operating costs low for pool/spa heating, radiant floor snow melt, aquaculture and process water installations.

FORCED AIR/HYDRONIC COMBO UNIT

SYNERGY3D
Overall efficiency, performance & features: ***** 25.7 EER / 4.2 COP
With the Synergy3D Series, you’ll enjoy incredible energy savings on your heating and cooling costs while providing hot water for radiant floor heat—all in a single unit (domestic hot water option also available). The Synergy3D shares many of the premium features used in our other popular lines including the ozone-safe R-410A refrigerant. Components auto-adjust for optimum performance and provide advanced troubleshooting features through status lights and self-diagnostics. Heating priority may be given to forced air zones or radiant floor heat. Efficiency and convenience are key in this all-in-one forced air and hydronic combo unit.

5 SERIES 500R11 OUTDOOR SPLIT
Overall efficiency, performance & features: ***** 22.0 EER / 4.2 COP
The Synergy3D shares many of the premium features used in our other popular lines including the ozone-safe R-410A refrigerant. Components auto-adjust for optimum performance and provide advanced troubleshooting features through status lights and self-diagnostics. Heating priority may be given to forced air zones or radiant floor heat. Efficiency and convenience are key in this all-in-one forced air and hydronic combo unit.

SPLIT UNITS

5 SERIES 500RII INDOOR SPLIT
Overall efficiency, performance & features: ***** 23.3 EER / 4.4 COP
5 Series Indoor Splits are designed for indoor use where all-in-one systems would be difficult to install, like attics or crawl spaces. When connected to our 5 Series SAH Air Handler (pictured right) the unit can efficiently heat and cool your entire home. When combined with a fossil fuel furnace, the system automatically selects the most efficient fuel source for your home regardless of outside temperatures. Because there is no outdoor fan like ordinary air conditioners or heat pumps, the unit is extremely quiet. All 5 Series units utilize ozone-safe R-410A refrigerant. Easily accessible controls and connections make this unit simple to install in a wide variety of applications. The 5 Series Indoor Split provides the amazing efficiency of geothermal with the versatility of a split.

5 SERIES 500RII OUTDOOR SPLIT
Overall efficiency, performance & features: ***** 23.3 EER / 4.4 COP
5 Series Outdoor Splits are designed for outdoor use where indoor systems would be difficult to install. 5 Series Outdoor Splits are engineered to be connected to our 5 Series SAH Air Handler or a fossil fuel furnace. Like the indoor split, the outdoor unit automatically switches to the most economical heating source for improved energy conservation when used with a fossil fuel furnace. All 5 Series units utilize ozone-safe R-410A refrigerant. Easily accessible controls and connections make this unit simple to install in a wide variety of applications. The 5 Series Outdoor Split will provide exceptional performance and comfort for many years.

GEOTHERMAL LOOPS

The ground serves as a giant solar collector storing heat energy. Just a few feet below the surface, earth temperatures remain relatively constant and moderate all year. A geothermal system uses the earth as a free heat source during heating and a heat sink when cooling.

Where space is limited, vertical loops are used. Horizontal loops are generally preferred where more space is available. A nearby pond could also be utilized for a geothermal loop. Where well water is plentiful and low in minerals, an open loop system may be ideal. WaterFurnace dealers and loop installers are trained to design the best loop system for a particular home to ensure optimum performance.
### Forced Air Units

#### 7 Series 700A11
- **Applications**: The ultimate in luxury. Variable capacity forced air heating and cooling with water or hot water assist.
- **Sizes**: 3 to 5 ton variable capacity, 1 to 6 ton single speed.
- **Blower**: High-efficiency scroll, Vapor injection scroll.
- **AHRI**: 13256-1.

#### 5 Series 500A11
- **Applications**: Upscale comfort. A smart choice utilizing dual capacity efficiency.
- **Sizes**: 1 to 6 ton single speed (5 sizes), 2 to 6 ton dual capacity (5 sizes).

#### 3 Series 300A11
- **Applications**: A smart choice utilizing dual capacity efficiency.
- **Sizes**: 1 to 6 ton single speed (5 sizes), 2 to 6 ton dual capacity (4 sizes).

#### 5 Series 506A11
- **Applications**: Premium Forced Air + Radiant Hot Water 5-in-1 system. Forced air heating & cooling with capability of radiant floor heat.
- **Sizes**: 3 to 6 ton single speed (3 sizes), 1½ to 6 tons single speed (4 sizes).
- **Blower**: High efficiency scroll (dual capacity).
- **Refrigerant**: R-410A R-410A R-410A R-410A R-410A R-410A R-410A.

#### Synergy3D
- **Applications**: For boiler replacement and hot water applications.
- **Sizes**: 2 to 6 ton single speed (7 sizes), 2 to 6 ton dual capacity (5 sizes).

### Forced Air/Hydronic Combo

#### 5 Series 504W11
- **Applications**: Hydronic. Add-on unit for high volume water demands of today’s larger luxury homes. Dual compressor operation.
- **Sizes**: 2 to 15 tons single compressor (4 sizes), 2 to 6 ton dual capacity (5 sizes).

#### 5 Series 500W11
- **Applications**: Hydronic. Add-on unit for high volume water applications. Dual compressor operation.
- **Sizes**: N/A N/A N/A Yes, with SAH Air Handler.

### Hydronic Units

#### Envision NDW
- **Applications**: New, efficient hydronic system.
- **Sizes**: Yes—All sizes.

### Split Units

#### 5 Series 500RT11 Indoor Split
- **Applications**: Versatility. Dual or single speed & dual capacity.
- **Sizes**: Outdoor unit: Used with remote air handler or gas furnace.

#### 5 Series 500RT11 Outdoor Split
- **Applications**: Versatility. Dual or single speed & dual capacity.
- **Sizes**: Outdoor unit: Used with remote air handler or gas furnace.
GEOTANK®
The WaterFurnace GeoTank is simply the best way to capture preheated water from your unit. Engineered specifically for your WaterFurnace geothermal system, the GeoTank includes unique features that make installation and operation easy.

SYMPHONY
Symphony is a Wi-Fi based comfort platform that allows you to change the temperature, set a schedule and monitor vacation mode. Connect to the personalized dashboard for remote functionality—all from the comfort of your sofa.

INTELLIZONE®2
IntelliZone2 provides precise control over your indoor environment, allowing you to adjust the zones to condition only the rooms that need it. Your WaterFurnace system will run even more efficiently—saving you money and providing better comfort.