

COMMERCIAL PRODUCT LINE

WATER SOURCE / GEOTHERMAL HEAT PUMPS



GEOSTAR
AFFORDABLE RENEWABLE CLEAN

A FAMILY OF OVERACHIEVERS.

You're interested in being as efficient as possible—providing extremely comfortable heating and cooling while improving your bottom line. GeoStar units offer that and so much more.

In addition to constantly pushing the boundaries of efficiency for HVAC, GeoStar has dedicated itself to innovation, quality and customer satisfaction. Throughout the assembly process, every unit is subjected to a wide range of quality assurance measures. Equipment undergoes a rigorous battery of computerized run-tests to ensure that performance meets or exceeds standards for efficiency, safety, and reliable operation. By choosing GeoStar products, you're investing in the ultimate comfort system and peace of mind for years to come.

TAX CREDIT EXTENDED



The Inflation Reduction Act of 2022 makes installing energy efficient systems more appealing than ever before. As a result of this bill, Americans can potentially receive government incentives to help cover a significant portion of the cost of decarbonizing their buildings. The best part is that GeoStar products enable you to qualify your building for these beneficial savings. We can help you make your building greener—for less. The bill is to remain in place for 10 years, so take advantage of this valuable opportunity. When you're ready to go green, we're here to help.



LEED CERTIFICATION

The LEED system is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings. The USGBC (United States Green Building Council), promotes buildings that are environmentally responsible, profitable and healthy places to work with these ratings. GeoStar water source & geothermal systems can contribute in several sections of LEED, including energy efficiency and IAQ, to help you achieve points and the ultimate status in green building.

BENEFITS OF GEOSTAR

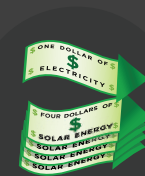
✓ **ENERGY EFFICIENT:** GeoStar water source/geothermal systems are simply the most efficient units available. They can deliver up to five dollars of energy for every dollar of electrical energy used. That translates into an astounding efficiency rating of 500 percent, compared to the most efficient gas furnace, which rates only 97 percent.

✓ **COST EFFECTIVE:** Because of the extraordinary efficiency of a GeoStar system, any added costs over ordinary equipment are usually more than offset by your annual energy savings. In fact, most building owners experience an immediate positive return on their investment. In replacement and retrofit installations, costs are usually recouped within just a few years.

ONE DOLLAR OF
ELECTRICITY



FOUR UNITS
OF "FREE" ENERGY
FROM THE EARTH



FIVE TOTAL UNITS
OF HEATING



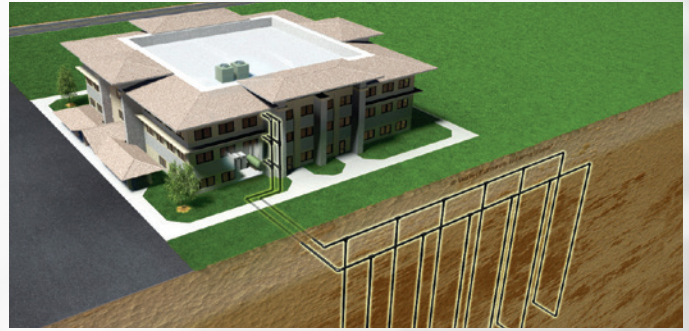
TYPICAL APPLICATIONS

GeoStar products can be designed to fit into a variety of applications. These versatile systems are perfect for boiler/tower as well as geothermal and hybrid configurations.

Water Loop Applications



BOILER/TOWER: Where large ground-source systems are not viable, existing boiler/tower installations are often retrofitted. Hybrid systems use a ground-source loop coupled with down-sized conventional heat rejection or boiler/tower equipment.



HYBRID LOOP: Combines boiler tower and geothermal loop technologies to achieve optimal efficiencies, while meeting the challenges of both loop field space and budget constraints.

Ground Source Applications



VERTICAL LOOP: The ideal choice when limited land surface is available. Well-drilling equipment is used to bore the 75 ft. to 300 ft. deep, small-diameter holes that will accommodate the loop.



POND LOOP: Very economical to install when an adequate body of water is available, because excavation costs are virtually eliminated. Coils of pipe are simply placed on the bottom of the nearby pond or lake.

✓ **FLEXIBLE:** Regardless of climate, GeoStar systems deliver. A variety of configurations and sizes are available to fit any application—heating, cooling, supplemental domestic hot water, hot gas bypass and hot gas reheat.

✓ **RELIABLE:** The GeoStar reputation for reliability has been earned by using only the highest-quality components, design and workmanship. Computer run-testing after assembly ensures that your equipment performs flawlessly at start-up.

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



ARBOR SERIES COMPACT 0.5 TO 6 TONS

17.0 EER / 3.5 COP

Overall efficiency, performance & features: ★★☆☆

The GeoStar Arbor Series Compact provides a true value product to our commercial water source heat pump line and is a perfect fit in new construction or retrofits. The Arbor Series Compact combines a compact design, high efficiency operation and a number of valuable features and offers them at a great price point. This product was designed for use in both water loop and geothermal applications and comes in a wide selection of capacities (006-070 mBtuh output) for unmatched flexibility. The Arbor Series Compact utilizes environmentally friendly refrigerant and exceeds ASHRAE 90.1 efficiencies.



ASTON SERIES COMPACT 0.75 TO 6 TONS

30.0 EER / 4.8 COP

Overall efficiency, performance & features: ★★★★★

The Aston Series Compact operates at the cutting edge of today's technology supporting large oversized air coils, water-to-refrigerant heat exchangers and single and dual capacity scroll compressors. On top of operating at high efficiencies, this unit utilizes environmentally friendly refrigerant producing a water-source heat pump with 28 EER. The Aston Series Compact provides exceptional comfort with unmatched performance ensuring clean, quiet and reliable comfort.



ASTON SERIES XL 7 TO 30 TONS

17.5 EER / 5.6 COP

Overall efficiency, performance & features: ★★★★★½

The Aston Series XL is the perfect solution for large zones in commercial and institutional applications. These extended range units for geothermal applications are available in three horizontal sizes and seven vertical sizes and offer an array of additional features. Using the Aurora controls allow the unit to achieve maximum performance. The Aston Series XL provides high efficiency, superb performance and reliability.





ASTON SERIES CONSOLE 0.75 TO 1.5 TONS

16.0 EER / 3.5 COP

Overall efficiency, performance & features: ★★★★★

The Aston Series Console is the ideal system for non-ducted applications like garages, sunrooms, hotels, or classrooms. It boasts high efficiencies and a wide range of options and capacities to fit any building need. A rotary compressor, high performance 3-speed blower motor, and an all-aluminum air coil provide impressive efficiencies and long-term reliability.



ASTON SERIES LOW SILL 0.75 TO 1.5 TONS

14.3 EER / 3.0 COP

Overall efficiency, performance & features: ★★★★★

The GeoStar Aston Series Low Sill Console is the perfect fit for ductless applications like hotels, classrooms, sunrooms, and garages. A single speed rotary compressor is featured, and the unit boasts the capability to operate efficiently in extreme loop temperature situations. The Aston Series Low Sill is available in a variety of cabinet and piping configurations and is designed to match legacy consoles for simple retrofitting. And since it fits perfectly beneath windowsills, the Console provides versatility in any application.



ASTON SERIES SINGLE HYDRONIC 2 TO 5 TONS

17.5 EER / 3.1 COP

Overall efficiency, performance & features: ★★★★★½

The Aston Series Single Hydronic heat pump provides superior hot water generation for pool/spa heating, radiant floor, snow melt, aquaculture, and process water installations. It boasts compact size, reversible control box and piping, and a wide range of operating temperatures to provide super efficient hot water with exceptional energy savings. The Aston Series Single Hydronic samples entering water temperatures and automatically enables the pumps and compressor for peak performance in a variety of applications.



ASTON SERIES DUAL HYDRONIC 10 TO 15 TONS

22.0 EER / 3.5 COP

Overall efficiency, performance & features: ★★★★★½

The Aston Series Dual Hydronic utilizes two high efficiency, single-speed, scroll compressors to provide higher efficiencies and larger volumes of hot water than Aston Series Single Hydronic units. This unit is perfect for pool/spa heating, radiant floor, snow melt, aquaculture, and process water installations. Brazen plate heat exchangers provide high efficiency and allow for a compact and versatile unit.



QUICK SHIP
AVAILABLE



VERTICAL AND HORIZONTAL
MODELS AVAILABLE

ARBOR SERIES COMPACT

QUICK SHIP
AVAILABLE



VERTICAL AND HORIZONTAL
MODELS AVAILABLE

ASTON SERIES COMPACT



VERTICAL AND HORIZONTAL
MODELS AVAILABLE

ASTON SERIES XL

STYLE	Water to Air	Water to Air	Water to Air
CAPACITY RANGE (TONS)	0.5 - 6	0.75 - 6	7 - 30
SIZES AVAILABLE (TONS)	0.5, 0.75, 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 4, 5, 6	0.75, 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 4, 5, 6	7, 8, 10, 13, 15, 20, 25, 30
EFFICIENCY WATER LOOP HEAT PUMP	13.2 - 14.7 EER 4.3 - 4.9 COP	15.0 - 21.6 EER 4.8 - 6.4 COP	12.1 - 17.5 EER 4.0 - 5.6 COP
GROUND LOOP HEAT PUMP	15.6 - 17.0 EER 3.3 - 3.5 COP	17.0 - 30.0 EER 3.7 - 4.8 COP	14.0 - 25.0 EER 3.2 - 4.2 COP
COMPRESSOR	Rotary or Scroll	Rotary or Scroll	Dual Scroll
BLOWER	5-Speed ECM	5-Speed ECM, Variable speed ECM	Variable Speed ECM - Backward Inclined
CABINET CONFIGURATION	Vertical Upflow or Horizontal	Vertical Upflow or Horizontal	Vertical Upflow or Horizontal
CONTROL TYPE	Aurora	Aurora	Aurora
HOT WATER GENERATOR (COIL ONLY)	N/A	015 - 072 Vertical only	N/A
AVAILABLE VOLTAGES	208-230/60/1 265/60/1 208-230/60/3 460/60/3 575/60/3	208-230/60/1 265/60/1 208-230/60/3 460/60/3 575/60/3	208-230/60/3 460/60/3 575/60/3
AIR COIL CONSTRUCTION	All Aluminum	All Aluminum	All Aluminum
FACTORY INSTALLED OPTIONS	<ul style="list-style-type: none"> - Internal 2 way valve - Flow regulator - MERV 13 2" filter - Internal non-fused disconnect - Coated Coil - Sound Kit - Stainless Steel Drain Pan 	<ul style="list-style-type: none"> - Hot gas reheat - Internal 2 way valve - Flow regulator - Hot gas bypass - Stainless steel drain pans - MERV 13 2" filter - Coated Coil - Sound Kit 	<ul style="list-style-type: none"> - Hot gas bypass - Stainless steel drain pans - MERV 13 2" filter - Coated Coil - Sound Kit



ASTON SERIES CONSOLE

ASTON SERIES LOW SILL

ASTON SERIES SINGLE HYDRONIC

ASTON SERIES DUAL HYDRONIC

Water to Air

Water to Air

Water to Water

Water to Water

0.75 - 1.5

0.75 - 1.5

2 - 5

10 - 15

0.75, 1, 1.25, 1.5

0.75, 1, 1.25, 1.5

2, 3.5, 4, 5

10, 12, 15

12.3 - 13.6 EER
4.3 - 4.9 COP

12.2 EER
4.3 - 4.4 COP

12.3 - 15.5 EER
4.2 - 4.8 COP

13.3 - 15.8 EER
3.9 - 4.6 COP

14.2 - 16.0 EER
3.1 - 3.5 COP

13.5 - 14.3 EER
2.8 - 3.0 COP

14.0 - 17.5 EER
2.9 - 3.1 COP

15.8 - 22.0 EER
2.7 - 3.5 COP

Rotary

Rotary

Scroll

Dual Scroll

3-Speed ECM

3-Speed ECM

N/A

N/A

Console: Floor Mount, Slope
Top, Chassis Only, Extended
Slope Top, Flat Top

Console: Floor Mount, Slope
Top, Chassis Only, Flat Top

Compact Unit

Compact Unit: Top & Back
mounted water connections.
Field switchable control box.

Aurora

Aurora

Aurora

Aurora

N/A

N/A

040 - 075 models only

N/A

208-230/60/1
265/60/1

208-230/60/1
265/60/1

208-230/60/1
265/60/1
208-230/60/3
460/60/3
575/60/3

208-230/60/1
208-230/60/3
460/60/3
575/60/3

All Aluminum

All Aluminum

N/A

N/A

- 1-3 kW boilerless electric heat
- Remote wall thermostat
- Unit mounted thermostat
- Coated Coil
- Sound Kit

- Remote wall thermostat
- Unit mounted thermostat
- Coated Coil
- Sound Kit

- Copper or Cupronickel coaxial heat exchangers

- Back or Top water connection
- Front or back control box location

Brought to you by:

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