

*REVOLUTION*<sup>®</sup>



**Water-to-Water Unit**

Geothermal Systems  
**Hydron**<sup>®</sup>  
Module<sup>®</sup>

**Pure and Simple**<sup>™</sup>


Hydron Module® will **revolutionize** the way you think about heating & cooling.



## Water-to-Water Unit

The **premium** Revolution® Series is built upon the Hydron Module® heritage of **superb craftsmanship** with the highest **quality** materials and unmatched attention to detail. It is the **ultimate solution** for increased efficiency, reduced heating and cooling costs, unsurpassed comfort and increased reliability, packaged in a dramatically detailed yet functional cabinet. One look at the **extraordinary construction** assures that this geothermal system **truly is in a class by itself**.

The Revolution series Water-to-Water geothermal **heating and cooling** system is able to deliver hydronic heat through radiant floor systems or forced-air fans. Radiant floor systems deliver heating or cooling from the floor up, emanating a **consistent room temperature** with no moving air. This option eliminates the less comfortable aspects of forced air systems. This system can also effectively be used to assist with domestic water heating, pool conditioning, as well as ice and snow melt, where allowed.

A lush forest scene with a stream flowing through large rocks, framed by a stone archway. The water is clear and reflects the surrounding greenery. The trees are tall and dense, with sunlight filtering through the leaves. The overall atmosphere is serene and natural.

Owning a **Hydron Module** is even more affordable thanks to a **30% U.S. Tax credit**. Other state/provincial or local incentives may exist in your area.

Rooted in a heritage of craftsmanship; driven by the pursuit of perfection.  
**Hydron Module: Pure and Simple**

# The Revolution Series has **everything** you would expect from a **quality** handcrafted Hydron Module geothermal system. What will **surprise** you is what it doesn't offer.

## No More High Operational Costs

Hydron Module Revolution geothermal systems elevate heating and cooling to a new standard. These systems are up to **500% efficient**. Compare that to the most efficient fossil fuel systems, which are a mere 95% efficient. Because this system utilizes the free energy stored in the ground, you can expect to **save up to 70%** off heating and cooling costs versus conventional systems.

## No Unsightly Equipment

Our **industry leading cabinet design** uses appliance grade, brushed stainless steel front access panels for a commanding look to match a system of this caliber.

## No Imposing Noise Level

Our exclusive design and advanced craftsmanship provide isolation between the heat pump's compressor and the cabinet resulting in **extremely quiet operation**, making it one of the quietest geothermal heat pumps available.

## No Comparison

Hydron Module selects only **the best components** for unsurpassed quality that produces extremely high cooling efficiency and unbeatable heating capacity and performance compared to other geothermal heat pumps.

Common Water-to-Water geothermal installation.



## No Risk

Hydron Module geothermal systems burn **no fossil fuels**, so there is no combustion, flames, fumes or risk of carbon monoxide poisoning.

## No Negative Environmental Impact

The Revolution Series releases no environmentally harmful emissions, reducing your carbon footprint. In fact, geothermal systems are **recognized by the U.S. EPA** as the most energy efficient heating and cooling systems available.

## No Worries

Hydron Module boasts **the best warranty** in the industry. In fact, Hydron Module is the only geothermal heat pump available with a lifetime compressor, heat exchanger and cabinet warranty. **Pure and simple.**

## Unit Performance

Water-to-Water Models Single Compressor					
Model	Capacity	Ground Loop Heat Pump			
		Cooling		Heating	
		BTUH	EER	BTUH	COP
026	Part Load	21,700	21.9	16,200	3.2
	Full Load	25,800	16.1	26,400	3.1
034	Part Load	31,400	22.1	25,500	3.3
	Full Load	40,500	16.5	33,100	3.0
046	Part Load	43,700	21.5	36,800	3.2
	Full Load	53,600	16.0	45,100	2.9
058	Part Load	40,500	19.7	37,200	3.2
	Full Load	56,100	16.7	50,500	3.2
070	Part Load	47,000	17.1	44,500	3.1
	Full Load	68,700	16.3	61,800	3.1
Water-to-Water Models Dual Compressor					
092	Part Load	87,400	21.5	73,600	3.2
	Full Load	107,200	16.0	90,200	2.9
120	Part Load	54,100	17.0	50,000	3.0
	Full Load	108,200	17.0	100,000	3.0
144	Part Load	64,000	14.7	61,400	2.6
	Full Load	128,000	14.7	122,800	2.6

### Notes:

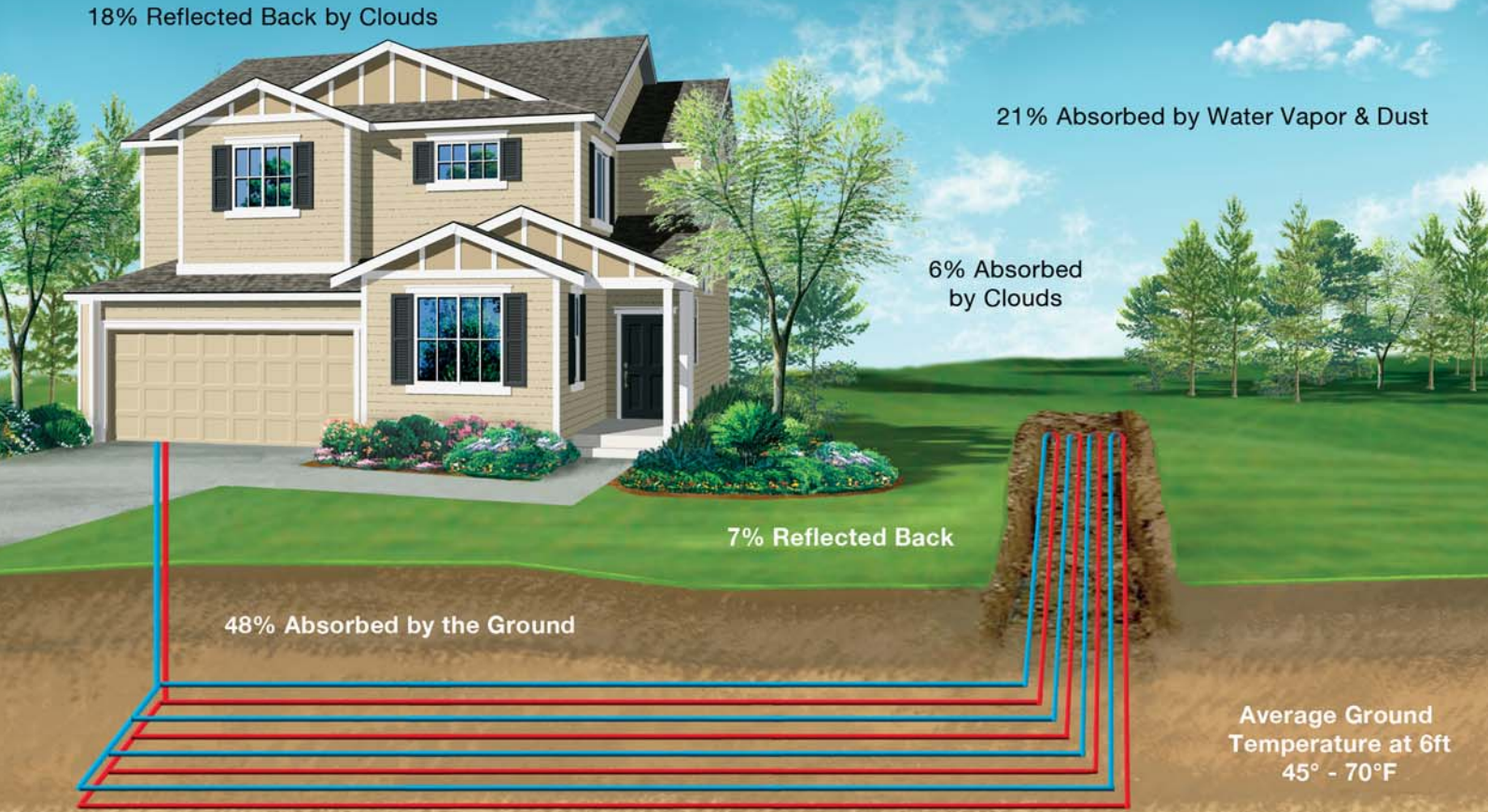
Rated in accordance with ISO Standard 13256-2 which includes pump penalties.  
 Heating capacities based on 32°F EST & 104°F ELT.  
 Cooling capacities based on 77°F EST & 53.6°F ELT.  
 Entering load temperature over 120°F heating and under 45°F cooling is not permissible.  
 Floor heating is most generally designed for 85°F entering load temperature.  
 Model 070 meets GLHP requirements for Energy Star but not GWHP requirements  
 Model 144 does not meet Energy Star requirements  
 EER - Energy Efficiency Ratio; COP - Coefficient of Performance

# How Geothermal Works

The earth's natural heat is collected in the winter by a series of pipes called a loop system. Fluid circulating in the loop system carries this heat to the home, where it is compressed and released to raise the inside temperature.

In the summer, this process is reversed in order to cool the home. Heat is drawn from the home, rejected to the loop and absorbed by the earth. The result is a comfortable home all year round.

Since most of the energy used for heating and cooling is free from the earth, geothermal systems are the most efficient and environmentally friendly systems on the market today.



## Select & Compare

There are many options when selecting a heating and cooling system. This comparison table will help simplify the features of the various Hydron Module model offerings and discern them versus conventional systems. Your qualified Hydron Module dealer will assist you in determining which application provides the best solution for your specific needs.

### Comparison Chart Key:

× = Applies

1 = Can be used with both Forced Air and Radiant Floor Heating at the same time

2 = Applies to some units

	Geothermal Systems		Conventional Furnace		Conventional A/C	
	Packaged	Hydronic	Combination	Split		
Heating	×	×	×	×	×	
Air Conditioning	×	×	×	×		×
Forced Air	×	×	1	×	×	×
Zoning Capability	×	×	×	×	×	×
Radiant Floor Heating			1			
Domestic Hot Water	×	×	×	×		
New Construction	×	×	×	×	×	×
Existing Home Install	2	2	2	×	×	2
Energy Star Rated	×	×	×	×	2	2
Environmentally Conscious	×	×	×	×		

# Hydron<sup>®</sup> Geothermal Systems Module<sup>®</sup>

Greenville, IL & Mitchell, SD

[info@enertechmfg.com](mailto:info@enertechmfg.com)  
[www.hydronmodule.com](http://www.hydronmodule.com)



*Product specifications reflect available information at time of printing. Design and specifications may change without notice.*