

Compass[®] Series



Water-to-Water Unit

Savings, comfort, peace of mind. What's your destination?

GeoComfort[®] Compass[®] Series geothermal systems are expertly designed to be technologically advanced and exceptionally efficient. The result is a heating and cooling system as beautiful as it is functional.

GeoComfort hydronic (water-to-water) units offer a unique set of system benefits, the most remarkable of which is radiant floor heating. This extremely comfortable heating solution warms your home from the floor up, allowing for constant and uniform heat distribution without hot and cold spots. Radiant floor heating is ductless heating. By eliminating the sound of forced air the total system noise is reduced. Compass Series water-to-water units are also reversible and capable of providing chilled water for air conditioning.



www.geocomfort.com

GeoComfort systems are built in the heart of America with stringent quality control systems and the most comprehensive testing within the geothermal heating and cooling industry. The Compass Series: one more way the GeoComfort brand fits the way you live.

Live comfortably.™

Signature Features and Benefits:

Satisfaction:

- ✦ Innovative mechanical design increases this unit's life expectancy, increases your home's air comfort and produces extremely high cooling efficiencies and some of the highest heating capacities on the market today
- ✦ This exceptional heat pump is housed in a dramatic champagne colored appliance-grade cabinet. Embossed doors are an example of our unparalleled attention to detail.
- ✦ The service friendly design simplifies installation and allows the dealer easier access to your system in order to keep it operating at peak efficiency

Unit Performance

Water-to-Water Models Single Compressor					
Model	Capacity	Ground Loop Heat Pump			
		Cooling		Heating	
		BTUH	EER	BTUH	COP
026	Part Load	18,200	17.7	16,200	3.1
	Full Load	23,100	14.3	26,400	3.1
034	Part Load	26,400	17.9	25,500	3.0
	Full Load	36,200	14.6	33,100	3.0
046	Part Load	36,700	17.4	37,300	3.1
	Full Load	47,900	14.2	46,400	3.0
058	Part Load	40,500	19.7	37,200	3.1
	Full Load	52,700	15.4	45,700	3.4
070	Part Load	49,900	18.4	44,800	3.0
	Full Load	64,500	15.0	55,900	3.0
Water-to-Water Models Dual Compressor					
092	Part Load	73,400	17.4	73,600	3.1
	Full Load	95,800	14.2	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:

Unit performance for ground loop application.
 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 046 & 070 meets GLHP requirements for Energy Star but not GWHP requirements
 Model 144 does not meet Energy Star requirements

Flexibility:

- ✦ GeoComfort hydronic systems can be used in various applications other than space conditioning including domestic hot water, pool and spa heating, and snow/ice melt

Efficiency:

- ✦ GeoComfort Compass Series water-to-water units are up to 400% efficient. For every one unit of energy that is put in, the geothermal system collects three free units from the earth. Simply put, you get four units of heat for the cost of one!

Comfort:

- ✦ Warm floors for comfortable feet, all year long
- ✦ Radiating warmth
- ✦ Zoning options allow you to independently control the temperature in each part of your house



Common Water-to-Water geothermal installation

