

Ultra

Ultra Hydronic

20 & 30 Ton Geothermal Heat Pumps



An ECONAR® Ultra heat pump by Enertech can supply your heating and cooling needs for much less than the cost of fossil fuels – in many regions by as much as 70 percent! You are also contributing to a greener, healthier environment because geothermal heating and cooling comes from energy stored in the ground. Installing your system is equivalent to planting 750 trees or removing two cars from our highways.* *Save money, save energy and help save the environment!*

Hydronic heating systems provide comfortable, concentrated warmth where you want it without the air movement or noise of a conventional system. Our water-to-water heat pumps supply heated or chilled water for use in a wide range of heating and cooling applications such as radiant floor heating or places where zoned temperature or humidity control are needed. When radiant heating is coupled with ECONAR's hydronic heat pump efficiency where COPs over 5.0 can be achieved, you have the ideal heating system!

Designed with exclusive ColdClimate technology, the Ultra provides maximum comfort and savings in freezing temperatures.

**U.S. Department of Energy (DOE)*

Hydronic Side Applications

Radiant Floor Heating

The most popular form of hydronic heating, this method circulates hot water underneath the floor to maintain a comfortable temperature and eliminate drafts. Radiant heating can achieve very high efficiencies by consistently supplying a large floor mass with low temperature heat.

Applications:

- Family room
- Whole house
- Garage/Workshop
- Church
- Large office
- Commercial warehouse

Fan Coils

Fan coils coupled to the ECONAR heat pump provide conditioned air to one or more comfort zones. Sizing is based on air temperature and flow rate. Used for zoned temperature and humidity control.

Applications:

- Large homes
- Office spaces
- Schools
- Community buildings
- Libraries
- Churches
- Schools

Other Applications

Usage is based on temperature, flow rate, heat dissipation.

Applications:

- Swimming pools
- Hot tubs
- Tank heating
- Baseboard/finned tube heating
- Radiant heating



ECONAR®



Ultra Hydronic Performance Ratings

*Ultra Hydronic Ground Loop Performance Data				Heating (32°F EWT) 2nd Stage: 32°F EWT 1st Stage: 41°F EWT		Cooling (77°F EWT) 2nd Stage: 77°F EWT 1st Stage: 68°F EWT	
Models		Hydronic GPM	Ground GPM	104°F Hyd EWT		53.6°F Hyd EWT	
				BTU/hr	COP	BTU/hr	EER
GW240	1st Stage	40	60	130,600	4.3	142,000	21.8
	2nd Stage	40	60	222,400	3.3	240,700	15.2
GW360	1st Stage	54	78	189,750	4.3	191,700	19.6
	2nd Stage	54	78	318,000	3.3	316,500	14.6

*Tested using AHRI/ISO 13256-2

Technical data subject to change. Due to continuous product enhancements, please refer to www.gogogeo.com for the most current performance data.

