

Geothermal Air conditioners



GeoSource[®] 2000 - Forced Air

Save up to 70% on your annual heating and cooling costs with a GeoSource 2000. Not only will you see a dramatic reduction in your heating bills with a ColdClimate GeoSource 2000 heat pump but you will also benefit year-round from its efficiency with savings of 25% to 35% on your cooling costs. What's more, you can save on water heating costs in winter and actually get free hot water in summer thanks to this technology.

How does it work?

It simply takes advantage of the earth's ability to store heat. Water circulating through a loop of pipe buried in the ground draws off this free heat. As the ground temperature water reaches the heat pump, it is absorbed by a low pressure refrigerant, which then vaporizes. The refrigerant is then compressed, raising its temperature to 160°F. Finally, the heat energy is released via the blower and ductwork throughout your church, school, business or home. In the summer, the flow of the refrigerant is merely reversed so that heat is drawn from the building and released into the ground. To see this process in action, view our brief Flash video that features the [Geothermal Heating and Cooling Process](#).

Compared to the Rest

The heat pump is a good idea made better by ECONAR. It is so well engineered that it carries you through the longest winter and hottest summer. Using Cold Climate Technology, the GeoSource 2000 is many times more efficient than heat pumps that extract heat from the air, and of course much safer and cleaner than a furnace. Due to its high-capacity exchangers, it can provide up to 100% of the heating so a back-up system is not necessary. Accessories include an electronic thermostat, polyethylene plastic earth loop piping for maximum heat transfer, and a PumpPAK for simplified installation and quiet operation. In addition, your ECONAR heat pump comes with the best warranty in the industry.