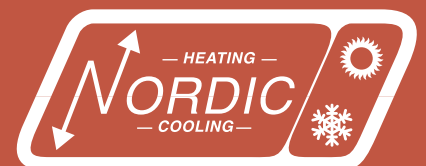


Homeowners Gain more than Consistent Heating and Cooling from Geothermal



Follow Us   



www.nordicghp.com



Geothermal energy is a sustainable and highly cost-effective heating and cooling source. Since Maritime Geothermal Ltd. began manufacturing Nordic® heat pumps in 1983, they've been selected by thousands of home owners.

There are many reasons why geothermal heat pumps are an increasingly popular choice for newly built homes and older homes upgrading their heating and cooling systems alike. Geothermal heating is not just sustainable and eco-friendly; it eliminates the need for traditional sources of heat, like oil or natural gas. Nordic® heat pumps also pre-heat domestic hot water, helping to greatly reduce the cost of this household requirement.

When it's time to select a heat pump, you should be confident that you've chosen one that can withstand the climate conditions where you are. Nordic® products are designed and built in Canada to meet the demands of our harsh climate, resulting in products that are the most efficient, durable and powerful on the market today. The Nordic® dealers and installers who specialize in residential installations have considerable experience helping homeowners like you identify the ideal heat pump and ground loop for your heating and cooling needs, home design, region and climate.

When you decide on a geothermal heating and cooling system for your new home, you're going to want to be sure you're working with the best. Maritime Geothermal Ltd.'s track record with our Nordic® products speaks for itself, and the expertise of our installers is well recognized. The following three project snapshots demonstrate why some homeowners have chosen to install Nordic® heat pumps, and the great results they've achieved.



As the cost of traditional heating, like oil and natural gas, continues to climb, one way to avoid the unpredictable peaks and troughs in pricing is to remove the need for it entirely. That's just what these homeowners from McKenzie Towne, Alberta did when they built their new home in 2011, using only the energy stored in the Earth's crust—helping them avoid a natural gas line entirely.

This new home uses a liquid-to-air heat pump (R Series) with three tons of geothermal heating capacity. It provides forced air heating and cooling as the outside temperature requires. The Nordic® system also provides pre-heated hot water, further reducing the cost to the homeowner.

The home draws on two boreholes, each drilled to 300 feet below the surface, to capture or reject the heat.

“I was initially interested in the geothermal system due to it being a greener technology than traditional heating and cooling systems. Having geothermal in my house also means I do not use natural gas and that's one less bill to worry about. — Queenie

The Result

Since the Nordic® liquid-to-air heat pump was installed in 2011, this home has been heated and cooled exclusively with sustainable, geothermal energy. **The total cost for maintaining an ideal temperature within the home is approximately \$240/year!**



Homeowners Gain more than Consistent Heating and Cooling from Geothermal



Focusing on Green Living

For the owners of this property in Bearspaw, designing and building a new home gave them the flexibility to ensure that they were taking advantage of all possible sustainable features. This home is built on an insulated concrete foundation and the walls have been extensively sprayed with foam insulation to minimize heat loss.

This home relies on eight geothermal boreholes drilled to 145 feet each to supply a six ton geothermal pump. There are two forced air zones on the main floor that work alongside radiant in-floor heating to maintain the ideal temperatures inside, regardless of the temperature outside. The heat pump also features a dual tank set-up, providing pre-heated domestic hot water, further improving energy efficiency.

“The main reason for installing Geothermal was to eliminate the gas bill, and to increase the energy efficiency of our new house. After a year with the system installed and running I am extremely satisfied with the installation. — Mike

The Result

Once the Nordic® liquid-to-water & air heat pump (TF Series) was installed, the need to rely on natural gas or other fossil fuels was eliminated. Since then, this home has been fully reliant on geothermal energy to maintain a consistent temperature, **the average annual cost of heating and air-conditioning for this 4,200 square foot home is \$350/year!**



When it was time for this 2,400 square foot bungalow built in 1975 to address its out of date heating system, the homeowner in Priddis, Alberta, chose a geothermal heat pump. This heating source works in harmony with several highly efficient features that were installed at the same time, such as spray foam insulation to minimize heat loss.

This retro-fit used the existing ductwork in the home, and modified it slightly to accommodate the upgraded capacity for heating and cooling. The Nordic® liquid-to-air heat pump (R Series) provides four tons of geothermal capacity, and draws on four boreholes drilled to 200 feet each. Previously, the home had no air conditioning capacity but now the homeowners control both heating and cooling through forced air, ensuring their home is at a comfortable temperature, regardless of season.

“The geothermal system works very efficiently and provides for better air circulation and more even temperatures throughout the house! – Sharon

The Result

The Nordic® liquid-to-air heat pump now offers improved air quality and the option to control the heat as well as air conditioning, a feature that the previous system did not offer. The heat pump also provides pre-heated hot water for domestic use, helping maximize the homeowner’s electricity consumption.



Homeowners Gain more than Consistent Heating and Cooling from Geothermal



These homeowners all chose Nordic® pumps from Thermal Creek. Thermal Creek has offices in Calgary and Kelowna, allowing them to provide Maritime Geothermal Ltd.'s heat pumps throughout Western Canada. Contact them to learn more about installation in residential or commercial properties, or find your local Nordic® dealer today!

Get Started

If you're ready to find a Maritime Geothermal Ltd. product installer, use our convenient and **FREE online Dealer Finder** today. Or, **contact us** to learn more about installing a Nordic® geothermal heat pump in your new or existing home.