

Ground Source Heat Pumps



Geothermal heat pumps work like conventional heat pumps but utilize the stable ground temperature (approx 54F) to operate quietly and with improved efficiency.

Most systems operate at double the efficiency (half the energy consumption) of air exchange heat pumps and use much less energy than electric heaters or fuel fired appliances.

Geothermal heat pumps can supply heating and cooling to new construction and in most cases retrofit existing homes.

A side benefit is a supply of ~65% of the annual domestic hot water as well.

Many times Ground Source Heat Pump and Geothermal Heat Pump terms are used, ground source is the better term as geothermal can mean hot springs or steam in areas of the earth with volcanic activity.

