



GEO THERMAL HEAT PUMP

WATER › AIR WATER › WATER



CALOREK
MULTI-ZONE HEATING AND AIR CONDITIONING SYSTEM

A temperature that's comfortable for everyone...
The Calorek promise

www.calorek.com (514) 214-4960

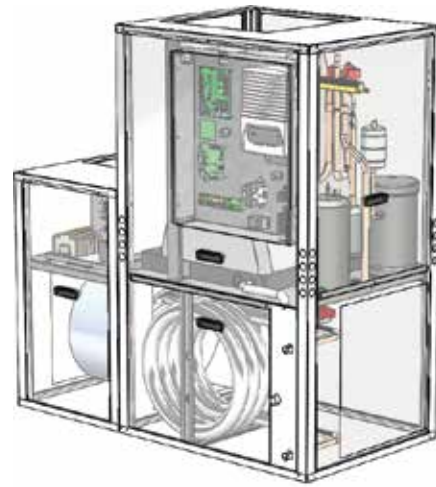


CALOREK
MULTI-ZONE HEATING AND AIR CONDITIONING SYSTEM

Achieve maximum comfort and savings by controlling
the heat and air-conditioning in each room

GEOHERMAL HEAT PUMP

 WATER › AIR
3 tons



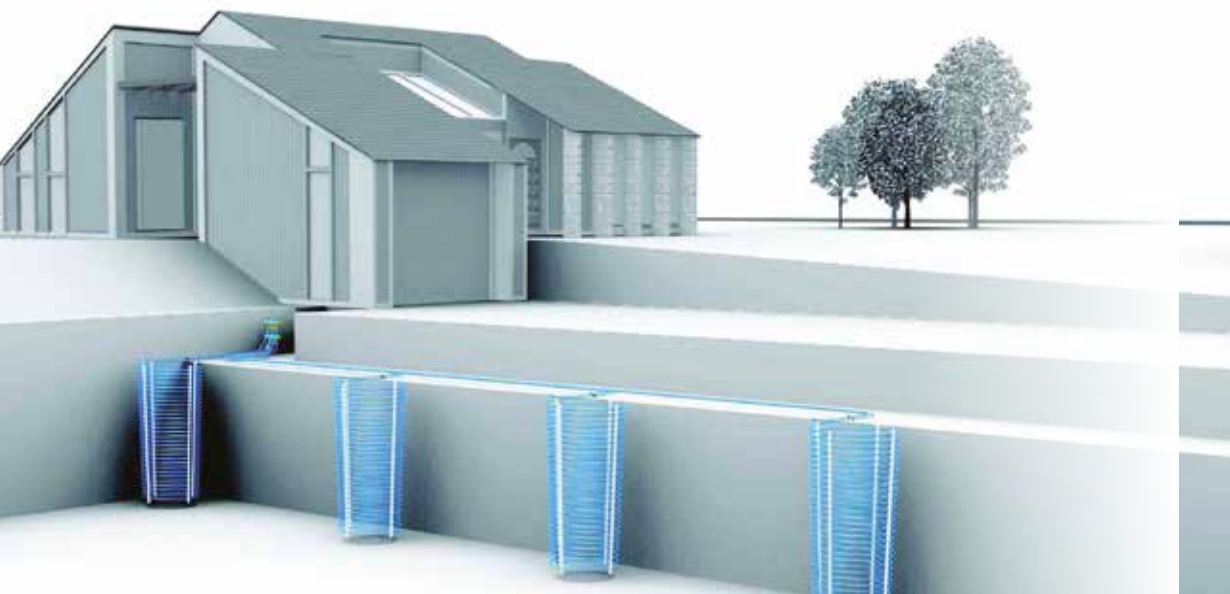
A system that allows you to heat or cool different rooms in your building at different temperatures using thermostats of your choice in each room. If necessary, we can offer you a wireless thermostat.

Uncompromising comfort for every occupant and substantial energy savings.

- ✓ Variable heating and cooling capacity, depending on the number of zones requested.
- ✓ The adaptation of our CVBM IV™ system to the inverter-type compressor and the ECM type ventilation motor allows for bypass-free zoning.
- ✓ Electrical system available from 10 to 23 Kw.
- ✓ This system also allows for both heating and cooling down to only one zone at a time.
- ✓ ZoneMax HEE™ air distribution.
- ✓ Option: can be used with our 4 in duct manifold.

Energy efficiency test results (Ground Loop) Water-to-air - Model WTA036

- Full-load heating mode - COP: 3.60
- Partial-load heating mode - COP: 4.03
- Average in heating mode - COP: 3.82
- Full-load cooling mode - EER: 14.61
- Partial-load cooling mode - EER: 23.72
- Average in cooling mode - EER: 19.17



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Variable capacity unit - inverter compressor. Automatically adjusts capacity according to demand, no longer a need for a hot water buffer tank. Three water temperature levels in heating and cooling mode.

Heating:

Level 1 temperature: For radiant flooring, adjustable to outdoor temperature if outdoor sensors are used. Ideal for zoned systems.

Level 2 temperature: For air heating (with water-air exchanger in an air treatment unit), adjustable to outdoor temperature if outdoor sensors are used. Ideal for zoned systems.

Level 3 temperature: For indirect preheating of domestic water, temperature set to 110°F.

Air-conditioning:

- Level 1 temperature: 14-16°C (57-60°F)
- Level 2 temperature: 9-15°C (48-59°F)
- Level 3 temperature: 5-10°C (41-50°F)

- ✓ Coolant reservoir; allows for optimal performance in a wide range of operating conditions.
- ✓ Robust mechanical construction.
- ✓ Designed with the technician in mind; easy access to parts for maintenance or repair.
- ✓ Silent unit compared to the competition.
- ✓ Modulating water valve and integrated controls on the line side.
- ✓ Integrated water pumps relays on the line side and load side.

Energy efficiency test results (Ground Loop) Water-to-water - Model WTW036

- Full load heating mode - COP: 2.94
- Partial load heating mode - COP: 3.71
- Average in heating mode - COP: 3.33
- Full-load cooling mode - EER: 13.67
- Partial-load cooling mode - EER: 21.09
- Average in cooling mode - EER: 17.38