

The Geopack

Concentrated technology for a new range of heat pumps for outdoor installation

Comfortable

Traditional heating by hot water in under-floor heating or radiators allows year-round comfort

Economic

Warmth collected from the soil allows heating economies up to 70%.

Ecological

No combustion, no pollutants: geothermal energy is a renewable.



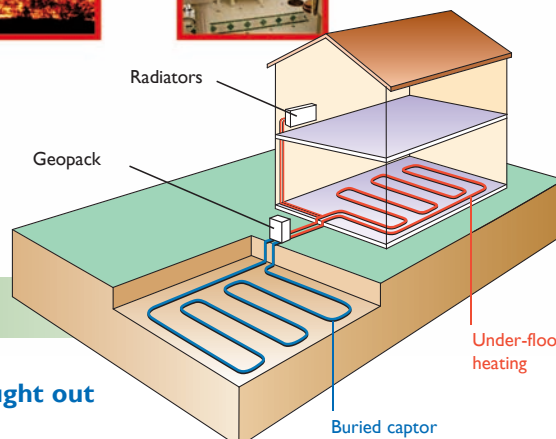
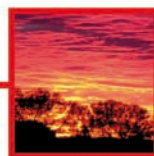
Simple

A complete system, factory assembled and ready to use

And the "PLUS"

Geopack is installed outdoors, saving valuable space inside the house





HORIZONTAL CAPTOR

The advantages:

Reduced cost for optimum performance, thanks to a well thought out assembly of rigorously selected components.

Simplicity and comfort

- Simple and quick to install.
- Easily accessible.
- No noise in the house.
- No wasted space in the garage or basement.

Performance and reliability

- An improved coefficient of performance thanks to the elimination of heat exchange couplings, a large dimension heat exchanger, and rigorous selection of components.
- A highly reliable product thanks to very clean circuits, the vacuum and charging operations being 100% completed at the factory.
- Refrigerant fluid : R407C.

Economical installation and maintenance

Possible options:

- Low temperature under-floor and/or radiator based heating can be augmented with the following options:
- domestic hot water,
 - swimming pool heating,
 - control as a function of outside air temperature.

Technical characteristics:

• **The geothermal pack** installed outdoors contains a SCROLL type spiro-orbital refrigeration compressor, a heat exchanger and the safety based control components, and is pre-connected to the heat captor. This provides a single compact unit, ready filled with refrigerant fluid at the factory. The pack is delivered with the captor fitted, charged and ready to use.

- **An electrical control** panel comprising circuit breakers, control and safety components, and normally installed close to the electricity meter.
- **A "wet" kit** including an accessible circulator pump, expansion vessel and safety blow-off valve. This assembly is installed inside the house.
- **An under-floor heating system** in polyethylene tube conforming to the requirements of the **French Technical Authority CSTB**.

- **Internal distribution valves**, with temperature sensor, allowing room by room temperature control around the house.
- **A thermostat**, for very precise ambient temperature regulation.

models	5	7	8	10	12
Heating power in Watts*	5 040	6 600	8 280	9 940	12 030
Electrical power consumption*	1 292	1 692	2 123	2 485	3 008
Voltage	Single phase 220 V or 3-phase 380 V				
⁽¹⁾ COP at -5°C, Water 30/35°C	3,9	3,9	3,9	4	4
Refrigerant fluid	R 407 c	R 407 c	R 407 c	R 407 c	R 407 c
Exchanger type	Stainless steel plate exchanger				
Compressor type	Scroll spiro-orbital				
Protective cover	ABS anti-shock, anti UV treated, thermally insulated				

* Evaporation -5°C, Water 30/35°C.

⁽¹⁾ Promotelec test conditions.

Tested in accordance EN 14511 (replaces EN 255).



Les caractéristiques de ce matériel répondent aux exigences d'une installation labellisée par Promotelec dans l'habitat neuf et existant.

Vivrélec



AVENIR ÉNERGIE
GÉOTHERMIE & AÉROTHERMIE

Member of the Danfoss Group

Ind. : AD 07/08