

SENSOR

Natural Technology Ground Source Heat Pump - Modulating | 10 | 15 kW



Air



Ground



Water



Brine



PV



Modulation



PV-ready



State of the Art!

The Heliotherm Natural Technology ushers a new era in heat pump technology. The leading-edge technology is unrivaled in every aspect! Optionally possible to **combine with a photovoltaic system and a full modulating heat pump**, thereby a total **SCOP of up to 8** is possible.

The ground on which you build your home is a **free source of energy**. This highly efficient system proves to have a **best value** for price ratio. Maintain your budget and the environment with the **lowest operating costs** known today with this most reliable ground collector system unique of its kind, making use of free environmental energy.

The Natural Technology ground source heat pump is a direct system, which operates without an intermediate circuit, is exceedingly safe and requires low maintenance. Moreover, the homeowner can enjoy **natural home comfort** and pleasant climate temperatures in the home.



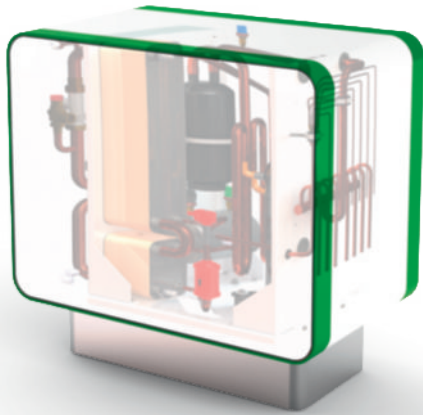
reddot award 2016
winner

* **SCOP** (Seasonal Coefficient Of Performance)
= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh.

Your Advantages

- ✓ **World's most efficient** heat pump technology
- ✓ **Most Eco-friendly refrigerant** no greenhouse potential
- ✓ **Heating outlet temperature of up to 70 °C** possible, it can also be combined with conventional radiators
- ✓ **Fully modulating technology** automatic adjustment to the building's energy performance demand
- ✓ **PV-Ready** with capacity adjustment to the available solar electrical power
- ✓ **Quiet** - sound optimized casing





- **Natural refrigerant**
- **High quality materials**
- Fully **modulating**
- **dsi-Technology®**
- **twin-x-Technology®**



web control®

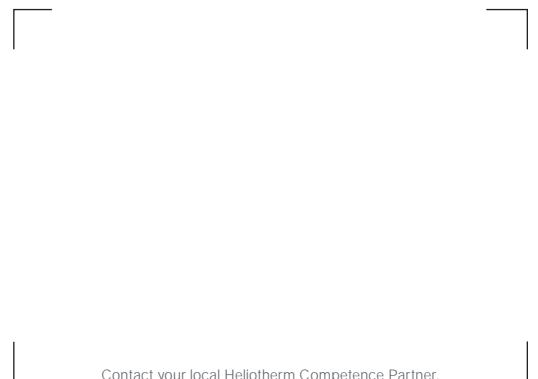


Optimized refrigerant cycle



dsi-Technology®

Natural Technology HP	Unit	SNTM 3-10	SNTM 5-15
Max. heating capacity (E4/W35)	kW	10,6	15,8
Modulating (50%) heating capacity (E4/W35)	kW	5,5	7,9
COP (E4/W35)		6,15	6,18
Heating capacity (E4/W55)	kW	5,81	10,68
SCOP (EN14825) Climate: Average		6,67	6,70
Maximal outlet heating temperature	°C	70	70
Accoustic output acc. to EN 12102	dB(A)	51	51
Dimensions (H x W x D)	cm	99 x 90 x 55	99 x 90 x 55
Empty weight	kg	125	126



Contact your local Heliotherm Competence Partner.

