

10 kW . 15 kW

HELIO THERM
The Heat Pump



**“Natural Technology” Ground Heat Pump
Direct Evaporation and Brine**



We opt for sustainability!

The Most Natural Heat Pump



Your Way to **Independence**



Your Reliable Choice for First-Class Heat Pumps

Heliotherm is a leading heat pump manufacturer in Europe. The company was founded in 1987 by managing director Andreas Bangheri, the headquarters is based in Langkampfen since 2007, in the Austrian state of Tyrol. Alongside the company's substructure, is the unique research and development center, with its own endurance test bench and climate chamber. The **"Made in Austria"** product quality label is achieved and continuously setting new standards.

The highly effective heat pump systems use the free stored energy in Nature such as the ambient air, water and ground for **heating, cooling and domestic hot water preparation**. The Heliotherm patented technology, result in high efficiency performance installations, hence the system is entitled to **maximum funding**.

Now is the right time to switch to a sustainable energy heat pump solution. Counteracting the rising trend of high heating operating costs, high oil prices and general climate change. Heliotherm is an innovative heat pump pioneer, thus it stands in the company of more than 60,000 satisfied customers across Europe.

Together, On The Path To Independence!



WHERE CAN I GET A HELIO THERM HEAT PUMP?

Our heat pumps are available to you through our specialized trained and experienced Installer Partners.

Meaning: **competent professional consultation** and **efficient installation, professional system commissioning** and **first-class service** are guaranteed. We want you to experience the full advantages of our heat pump technology from day one. Find now, a Heliotherm Competence Partner in your area.

www.heliotherm.com

STATE GRANTS & SUBSIDIES FOR YOUR HEAT PUMP!

Inquire about **your local state grants** and **subsidies** for new heat pump installations and for renovation projects. Depending on the energy supplier, place of residence in individual federal states/provinces, the funding conditions and the available funding may vary. Your Heliotherm Competence Partner will be glad to advise you on available state funding opportunities.



An optimum heating system begins with

Heliotherm Heat Pumps



- 1 Natural Technology Heat Pump
- 2 Remote maintenance
- 3 Fresh hot water system

Ultimate comfort and a minimal ecological footprint.
Welcome to a new era of heating for generations to come.

Did you know that the Natural Technology geothermal heat pump provides pleasant heat and hot water without emissions, and works without harmful chlorinated refrigerants? We rely on propane, a natural refrigerant which has a GWP (Global Warming Potential) that is 480 times lower than conventional variants. It is a gift of nature, non-toxic to soil and groundwater. This makes the Natural Technology Heat Pump the first choice for anyone who wants to heat in an environmentally conscious manner - even in regions with strict environmental regulations.

The Natural Technology Ground Heat Pump is available in two types:

DX / DIRECT EVAPORATION

Experience the pinnacle of cost-effectiveness with the Heliotherm Natural Technology Heat Pump- direct evaporation, is the undisputed most efficient ground source heat pump on the market. The energy is extracted from the ground through the surface collector system, then flows directly to the heat pump in the direct evaporation process. The result? An unprecedented level of energy savings and efficiency system.

BRINE PROBE

This method is particularly suitable for small properties and confined spaces, since the space required for the drilled holes are minimal. The double-walled probes, in which the brine mixture efficiently circulates, extracts the free stored energy from the ground. The heat provided by the heat pump flows seamlessly into your heating system and ensures a pleasant indoor climate.



The Natural Technology Heat Pump

Convincing features:

SCOP*

The most efficient heat pump technology in the world bearing a SCOP of 6.7, and reliable lowest energy costs!

TECHNICAL FEATURES

- Natural working medium propane, can also be used irrefutably under stricter environmental regulations
- Heat outlet temperatures of up to 70 °C possible
- Outdoor installation
- Can be combined with conventional radiators
- Integrated heat meter
- Available in heat outputs of 3 to 10 kW and 5 to 15 kW

BEST SUITABLE FOR

- Single-family homes
- Multi-family buildings
- New buildings
- Refurbishments

OPTIONAL

- Single-phase 230 V
- Remote maintenance (RCG-X) > SG-Ready, PV-Ready



BEST PERFORMANCE

EFFICIENCY Brine / COP 6,0 DX / COP 6,7



CO₂-SAVINGS

11,2 t per year



SOUND

51 dB(A)



*SCOP (Seasonal Coefficient of Performance) = The annual heat output ratio in kW, for the required electrical drive energy given in kWh.

Intelligent Heat Pump Control

Heating, Hot Water and Photovoltaic

The “**webcontrolAT**” is a resourceful and innovative heat pump control solution, easy to use and convenient to regulate room temperatures; also for cooling and hot water preparation at any time. You stay in full control - whether at home or on the go - while maximizing the heat pump’s energy efficiency. Any error notifications are immediately sent via SMS or email, keeping you updated at all times.

Our system offers:

- Comprehensive control of your heat pump system
- Convenient browser-based operation
- No app and no software download required
- Compatibility with Modbus, KNX, PV Synchro, DI and Smart Grid
- Highest security standard due to VPN encryption
- Data security through local storage
- Live and long-term data can be accessed from any device using any browser, regardless of location



Hygienic

Domestic Hot Water Prep

Immerse yourself in the world of comfortable and **hygiene pure hot water** - a reality with the innovative **Heliotherm Fresh Hot Water System**. Enjoy prompt domestic hot water for your entire household. The system is seamless, integrated into the Heliotherm heat pump heating buffer storage and works like a modern instantaneous water heater. While the counter-current flow protects against any Legionella growth and build-up. A simple turn of the tap is enough to prompt the flow of cold drinking water through the fresh water system, bringing the water to the desired temperature in a minutes time. The maintenance-free hot water preparation works without additional electrical heating, protects the heat pump and guarantees a long service life.

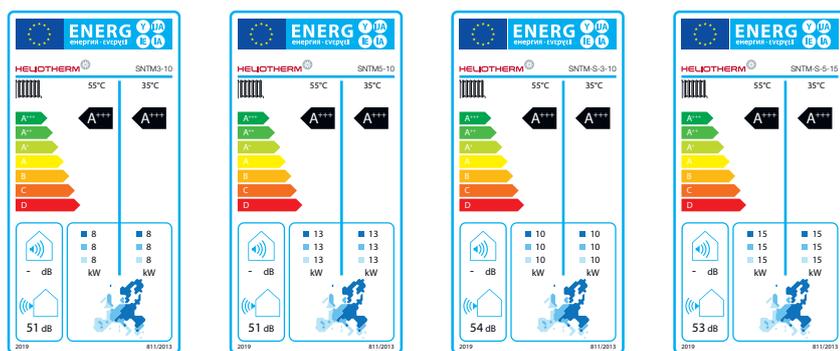
Advantages:

- Prevents germs or Legionella growth in drinking water
- Lower energy demand (no constant heating up the storage contents)
- Rapid heating to the recommended 48 °C, prevents water lime flocculate
- Photovoltaic connection possible
- Storage sizes: 300, 500, 850 and 1,500 liters



Natural Technology Heat Pump Direct Evaporation		SNTM 3-10	SNTM 5-15
Heat output range	kW	1,8 - 10,0	5,0 - 15,0
Heat output at E4/W35	kW	10,0	15,5
COP at E4/W35		6,2	6,2
Heat output at E4/W55	kW	9,8	15,1
SCOP (EN14825) climate zone medium		6,7	6,7
Max. heat outlet temperature	°C	70	70
Acoustic power (EN12102)	dB(A)	48	48
Dimensions (H x W x D)	mm	1.057 x 1.018 x 649	1.057 x 1.018 x 649
Weight	kg	125	126

Natural Technology Heat Pump Brine		SNTM 3-10	SNTM 5-15
Heat output range	kW	3,0 - 10,0	5,0 - 15,0
Heat output at B0/W35	kW	6,6	10,4
COP at B0/W35	kW	5,4	5,7
Heat output at B0/W55	kW	6,5	10,2
SCOP (EN14825) climate zone medium		6,1	6,3
Max. heat outlet temperature	°C	70	70
Acoustic power (EN12102)	dB(A)	51	51
Dimensions (H x W x D)	mm	1.057 x 1.018 x 649	1.057 x 1.018 x 649
Weight	kg	125	135



Presented by Your Heliotherm Competence Partner