

Natural energy that is clean, efficient and inexhaustible.

Heliotherm heat pumps for heating, cooling & hot water preparation, for use in new homes and renovations

Take advantage of the free energy from the ground, air and water - with the award-winning Heliotherm heat pump technology. The heat pumps are also available with full modulation, i.e. adapting to the building's heating demand and for reversible applications of heating and cooling. Details on all heat pump systems can be found in our product data sheets on www.heliotherm.com.



Energy source – Air



Energy source – Ground



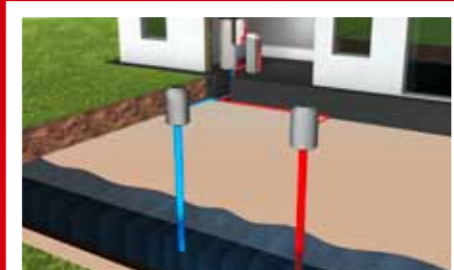
Energy source – Water



Air compact design



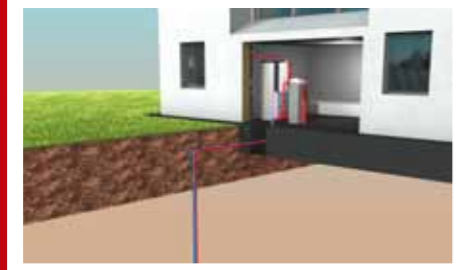
Ground collector



Ground water



Air split design



Brine probe



CO₂ heat pipe


Highest grant possibility with Heliotherm heat pumps!

Heliotherm heat pumps can entitle you to reach maximum state and federal government grants, due to the high annual performance factor results (A.C.O.P.). The allocation of funding can vary depending on your region/country. Your Heliotherm trained expert will gladly inform you about the type of local grants available for your type of Heliotherm heat pump.

Advantages of a certified heat pump – Quality, quiet and long life...

Heliotherm heat pumps have a very effective, proven, clean technology, which has been certified by independent international testing institutes and have the EHPA / AIT (Austrian Institute of Technology) seal of approval.

Highest performance
COP 7,1
Water/Water
 COP (coefficient of performance) Performance value according to EN255 (COP 6,5 according EN14511).

Modulating technology

 The heat pump adapts to the building's heat demand, with up to 20 % less energy costs and CO₂ savings when compared to other conventional heat pumps.

Electronic refrigerant control
DSI
 The patented Heliotherm DSI Technology® automatically adjusts to the changed operating mode and noticeably reduces operating costs.

twin-x optimum refrigeration cycle
twin-x
 The registered twin-x® technology additionally uses unutilized energy for heating.

No additional heating element!
STOP
 No additional electrical heating needed = no hidden additional costs!

Remote maintenance

 Modern use of communication technology allows for remote control & remote maintenance of your heat pump through your trained expert!

CO₂ heat pipe technology
CO₂
 100 % environmentally friendly natural working fluid. The ground heat pipe is self circulating without additional transported energy.

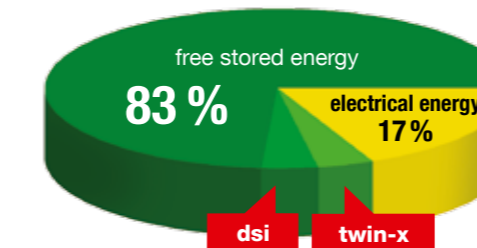
Fresh hot water system

 Hygienic and cost effective hot water with Heliotherm's fresh water system.



Heliotherm's fresh hot water system – DHW preparation

- Maintenance free, without additional electric heating
- Hygienic and immediate tap-able DHW, by means of two closed water cycles - fresh water cycle and heating cycle
- No calcification in the boiler tank, because no water is stored
- Water is always fresh, heated and ready to tap
- Conserves the heat pump and guarantees a longer operating lifetime
- Always sufficient hot water available for the entire family
- Highly efficient sustainable hot water technology
- With this system you can safely tap water temperatures of 45 - 50 °C



Heliotherm's Premium Heat Pump – "...in the best interest of our children."

The Sturm family's heat pump achieves extraordinary values combining the most modern and advanced insulation materials with Heliotherm's modulating CO₂ heat pipe heat pump technology; with up to 20 % additional savings than conventional heat pumps! See for yourself under, www.heliotherm.com - "live references".

"One thing is certain, due to scarcity of natural resource energy prices will increase. Therefore, it is important for us to lower the energy operating costs of our home in the future. At the same time we conserve these resources with low energy consumption and actively contribute to environmental protection. We want to achieve this by means of solar architecture, good insulation, and with reasonable regenerative heat pump heating. Ecological may be organic, but in nature we find state of the art technology as well. "We think in our family's future and in the best interest of our children. That is why we chose a Heliotherm CO₂ heat pump." Your Family Sturm

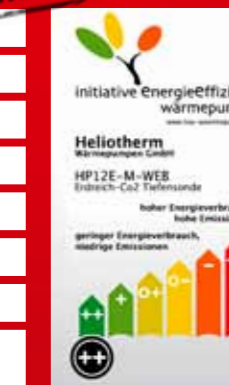


Sturm Family - 64625 Bensheim GERMANY, Home is heated with a Heliotherm Direct evaporating CO₂ heat pump.

Yearly heating costs = € 369,- (excl. DHW)

Technical characteristics

Home	Single family home with 296 m ²
Heat pump system	Heliotherm HP12E-M-WEB
Heat source	Ground source CO ₂ heat pipe
Measured data	from 01.01.2008 to 31.12.2008
Energy output	14.532 kWh (heat)
Energy input	2.555 kWh (electrical energy)
Electricity price 2008	0,1443/kWh (gross) Green power
CO ₂ savings	6006,56 kg, in comparison to oil heating with a 75 %



NEW BUILT / Direct evaporating ground source heat pump
 New single family home in 6156 Gries am Brenner, AUSTRIA

Yearly heating costs: € 298,-

DX ground source heat pump with surface collectors; Single family home with 200 m²; HP08E-WEB heat pump system



RECONSTRUCTION / modulating Air split design heat pump / Existing renovated home in 26937 Seefeld, GERMANY

Yearly heating costs: € 485,-

80 m² under floor heating; 60 m² of radiator heating / 45 m² convecter heaters; HP12L-M-WEB heat pump system



RECONSTRUCTION / Ground/water heat pump
 Existing renovated home in 40667 Meerbusch, GERMANY

Yearly heating costs: € 823,-

272 m² of radiator heating; House built in 1953, renovated in 2007; HP08S10W-S-WEB heat pump system

A pioneer in technology and high efficiency

Heliotherm is a leading heat pump manufacturer in Austria, with over 20 years of experience with marked technical innovations and reliable products, making Heliotherm a pioneer in the field of heat pump technology. Heliotherm's founder and CEO took his knowledge and skills to create an independent way of heating, inspired since the first oil crisis.

Heliotherm focuses exclusively on the development of highly efficient heat pump technology in heating, cooling and hot water preparation for new homes and renovations.

130 certified international expert partners and over 20.000 installed heat pumps stand for a Heliotherm trademark. Furthermore, the Heliotherm research and development center with its unique continuous testing rig and climate controlled testing room guarantees efficient and quality control for all Heliotherm brand products. Also, numerous international registered patents and awards speak of the originality of the state of the art advanced heating system.

Join Heliotherm - On the way to more energy independence!



Heliotherm Heat Pump Competence Center
2.260 m² office space , 3.100 m² production area, 3.250 m² warehouse space

Heliotherm Expert Partner System

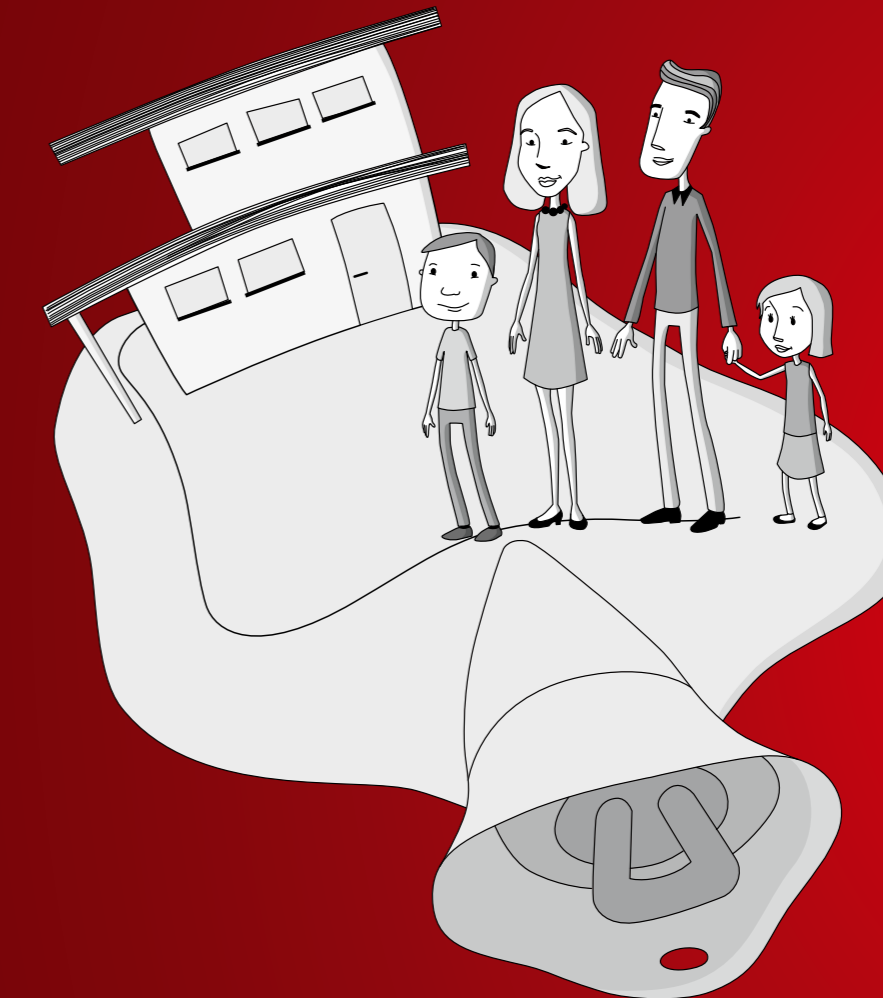
Heliotherm heat pumps are exclusively sold and installed by expert "in house" trained partners. Thereby, expert consulting, planning, installation, start-up phase and maintenance are guaranteed from one dependable installing company.

- Independent and select installers, heating and refrigerant technicians
- More competitive expertise through up to date heat pump technology training
- Precise planning and system design
- Local service and maintenance always within a phone call away
- Fair pricing and investment
- **Specialist businesses that offers one-stop services: Consulting, planning, installation and service!**

Please contact us for information of a Heliotherm expert partner near you!
Tel. +43 (0)5332 87496-475 . E-Mail anfrage@heliotherm.com



WWW.HELIOTHERM.COM



WARMTH YOU CAN RECOMMEND!

Trusting over 20 years of dedication to proven technology, research and development.

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International



HELIOTHERM HEAT PUMPS



YOUR WAY TO INDEPENDENCE.
Clean, economical and efficient use of energy.

Presented by your Heliotherm expert partner



klima:aktiv
partner

