



—
KRONOTERM 1976
HEAT PUMPS



—
**GEOS GEOTHERMAL
HEAT PUMPS**

Comfort and efficiency like never before



ADVANTAGES

Efficient and environmentally friendly

The GEOS family of heat pumps is extremely efficient, the result of using a stable source of thermal energy, namely water or earth. This lets GEOS use run on less energy compared to other types of heat pumps. GEOS is emission-free and uses renewable sources of heat, making it the green choice for a better tomorrow. izbira za boljši jutri.

Efficient but versatile

Using a GEOS heat pump can save you up to 80% on your heating costs. Despite this extremely low energy consumption, GEOS pumps produce more than enough heat for every room in your house to be cozy and cool if comfortably in the summer. With the optional integrated boiler, GEOS will even heat up your water. Our innovative flow heating ensures that a 200-liter buffer tank pumps out 250 liters of hot water.

Quiet and compact

You won't even know it's on. For the ultimate levels of comfortable ambience, GEOS works at extremely low levels, with its 25 dB not even reaching the volume of breathing. To make sure it is as unintrusive as possible, we designed all of its components inside a single compact unit, which takes up less than 1 square meter of space.

THE KRONOTERM GEOS SYSTEM: WATER/WATER AND EARTH/WATER

The GEOS system is made up of your indoor unit and your borehole or ground collector.

These heat pumps provide a massive amount of heat while taking up just a little bit of space. They work wonders for both in-floor and radiator heating systems.

Water/water: At a constant temperature of between 7 and 12 °C, the groundwater pumped from the borehole is the perfect source for the heat pump's thermal energy.

Earth/water: The energy stored, waiting in the ground, is extracted by means of coiled pipes, which are either configured across a large surface area right under the surface (horizontal collector) or placed in deep boreholes (vertical probe). The amount of heat collected depends primarily on the composition of the ground, as well as the heat pump's efficiency.

SYSTEM

- For new construction and standing buildings
- In-floor heating and radiators
- Quieter than a fridge – 25 dB(a) at 1 meter
- A stable source of heat and hot water all year round
- Two models: One more compact, and one upgraded with a built-in 200 L boiler
- Extremely reliable and resilient – a stable source of heat for more than 25 years
- Heating in winter, cooling in summer
-

EASY TO USE

Other than the feeling of warmth and comfort, the only sign of your heat pump is an elegant wall-mounted interface. Choose between two models: the simple K1 and the more advanced KY2, which displays the ambient temperature and how it changes based on your preferences and the outside temperature, as well as a wide range of advanced functions for automatically regulating air and water temperature.



5-23 kW HEATING POWER

50-550 M² AREA

- H: 605, W: 1220, L: 705 mm
- H: 604, W: 1954, L: 704 mm (built-in boiler)

Sound level

90	ROCK CONCERT
80	18-WHEELER TRUCK
70	VACUUM CLEANER
60	SPEECH
50	BIRDS CHIRPING
40	REFRIGERATOR
30	BREATHING

GEOS:
25

Sound pressure level dB(a) at 1 meter away, standard EN ISO 11203 conditions W10W35.

Smart Functions of the KT2 Model:

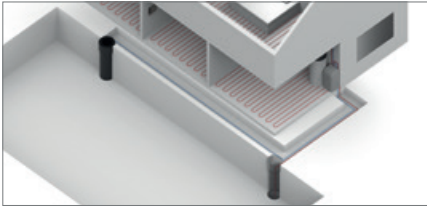
- Pre-installed temperature programs.
- Display of 2-day weather forecast.
- Control over boiler temperature.

Installed under or over plaster layer

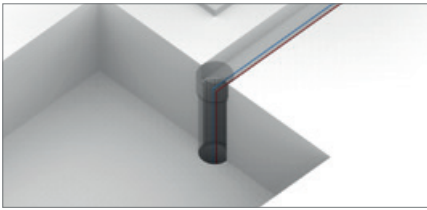
- H: 80, W: 80, D: 8.6 mm (KT1)
- H: 80, W: 122, D: 8.6 mm (KT2)



Heat source:



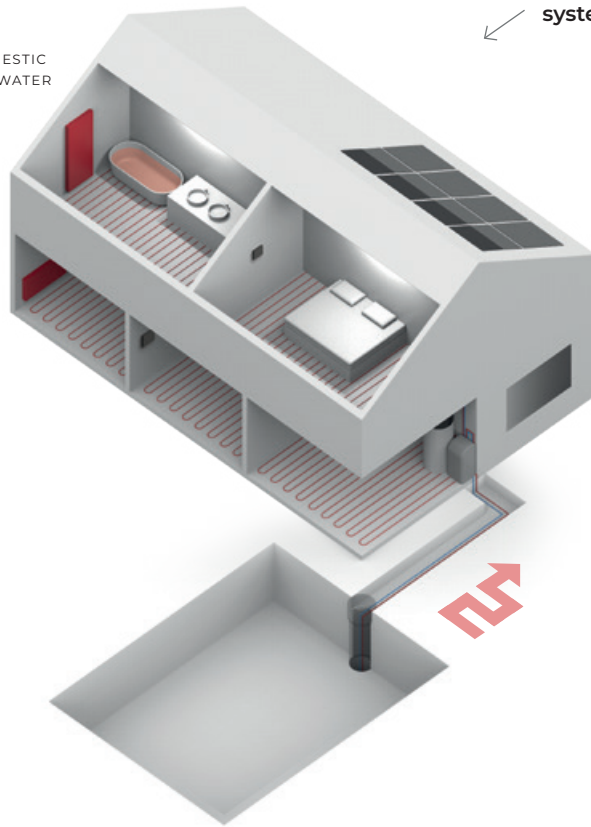
WATER/WATER



EARTH/WATER GEOPROBE

An example of an earth/water system with a geoprobe

DOMESTIC HOT WATER



CLOUD.KRONOTERM

The CLOUD.KRONOTERM connection makes your heat pump smart, so it learns what settings you find most comfortable, while still saving as much energy as possible. Control it with your phone anytime and anywhere, right from the palm of your hand. It gives you the ability to set different time programs to heat and cool your rooms and your domestic hot water, a display of operation statistics and metrics to optimize usage, and remote service diagnostics.

The CLOUD.KRONOTERM app and internet connection come as factory standard in all heat pumps, and use of the CLOUD.KRONOTERM app is completely free of charge for end user.

Download the **free** CLOUD.KRONOTERM app and see how you can control your heat pump remotely.



Find the CLOUD.KRONOTERM online app at: cloud.kronoterm.com



Type	water/water	earth/water
Username	demo	demo1
Password	demo	demo1

GEOS System in Specifications

Unit GEOS 07 GEOS 10 GEOS 15 GEOS 18 GEOS 21

SEASONAL HEATING CAPACITIES ACCORDING TO STANDARD EN 14825

BRINE (EARTH)/WATER**						
Rated heating capacity (Pdesignh), 35 °C / 55 °C	kW	6 / 5	8 / 7	12 / 11	14 / 13	16 / 15
SCOP average climatic zone, 35 °C / 55 °C		4,52 / 3,34	4,79 / 3,67	4,79 / 3,66	4,78 / 3,60	4,75 / 3,48
WATER/WATER**						
Rated heating capacity (Pdesignh), 35 °C / 55 °C	kW	8 / 7	11 / 10	16 / 14	19 / 18	23 / 21
SCOP average climatic zone, 35 °C / 55 °C		5,78 / 4,49	5,92 / 4,61	5,91 / 4,44	5,90 / 4,52	5,95 / 4,33

HEATING CAPACITIES ACCORDING TO STANDARD EN 14511

BRINE (EARTH)/WATER** BOW35						
Heating capacity	kW	5,28	7,28	10,76	13,22	14,88
Electrical power	kW	1,28	1,65	2,48	3,06	3,45
COP		4,10	4,42	4,34	4,32	4,31
WATER/WATER** W10W35						
Heating capacity	kW	7,34	9,62	14,48	17,79	21,15
Electrical power	kW	1,36	1,76	2,65	3,26	3,99
COP		5,37	5,47	5,47	5,46	5,30

COOLING CAPACITIES ACCORDING TO STANDARD EN 14511

BRINE (EARTH)/WATER** B15W7						
Cooling power	kW	5,93	8,42	12,40	14,29	17,00
Electrical power	kW	1,18	1,59	2,28	2,92	3,44
EER		5,02	5,29	5,44	4,89	4,94
WATER/WATER** W15W7						
Cooling power	kW	6,05	8,59	12,65	14,58	17,35
Electrical power	kW	1,18	1,59	2,28	2,92	3,44
EER		5,12	5,41	5,56	4,99	5,05

RANGE OF OPERATION

Heating (brine) – min. / max. brine temperature	°C	-7 / 25	-7 / 25	-7 / 25	-7 / 25	-7 / 25
Heating (brine) – min. / max. water temperature	°C	7 / 25	7 / 25	7 / 25	7 / 25	7 / 25

SOUND LEVEL ACCORDING TO STANDARD EN 12102

Decibels under normal operation, W10W3	dB(A)	42	40	41	41	42
Sound pressure at 1 m away (HT / HK)	dB(A)	25 / 26	26 / 27	27 / 28	29 / -	30 / -

DIMENSIONS AND WEIGHT - TOTAL

DIMENSIONS (W X H X L)						
without buffer tank for DHW***	mm	604 x 1220 x 705	604 x 1220 x 705	604 x 1220 x 705	604 x 1220 x 705	604 x 1220 x 705
with buffer tank for DHW***	mm	604 x 1954 x 704	604 x 1954 x 704	604 x 1954 x 704	/	/
WEIGHT (HT / HK)						
without buffer tank for DHW***	kg	184 / 178	186 / 185	209 / 205	203 / 207	204 / 209
with buffer tank for DHW***	kg	273 / 277	277 / 281	300 / 302	/	/

ELECTRICAL SPECIFICATIONS*

Rated voltage 3N~ 400 V; 50 Hz						
Max. operating current (HT / HK)	A	17,1 / 16,7	18,4 / 18	21,3 / 20,9	22,9	24,4
Fuses	A	3 x C20	3 x C20	3 x C20 (C25)	3 x C25	3 x C25
Rated voltage 3N~ 230 V; 50 Hz						
Max. operating current	A	23,6	27,2	35,1	/	/
Fuses	A	1 x D25	1 x D32	1 x D40	/	/

*The total maximum capacity (circular pump, electronic valves, etc.) that can be connected or powered cannot exceed 500 W. Devices that consume more (e.g. pumps) should have their own power source.

**Compulsory use of an appropriate liquid medium to conduct heat, supplied by the device manufacturer.

***DHW: Domestic hot water

CONTINUING A TRADITION FROM 1976

This family-run company from Slovenia has spent the past 50 years developing a strong reputation among the world's few producers of state-of-the-art heat pumps. Today the KRONOTERM name means unrivalled excellence, dependability, and friendliness – both to customers and to the environment.

FAMILY, TRADITION, AND INSISTENCE ON QUALITY

The founder of this family company, Rudi Kronovšek, developed his first boiler heat pump in 1976. The 1990s saw this workshop transform into a proper company, which began developing and selling its first commercial heat pumps at the turn of the new millennium. Today it is making headway in the demanding markets of Austria, Italy, Germany, and Switzerland.



LEADING SPECIALISTS IN HEAT PUMPS

KRONOTERM offers a wide range of heat pumps for boilers, heating, and industrial settings, including models that have earned the attractive title of “most efficient heat pumps in Europe”. As a respected market leader, KRONOTERM also has productive collaborations with many internationally recognized companies, universities, and other institutions.



IMPECCABLE – FROM START TO FINISH

All KRONOTERM products are world-class solutions, tested exhaustively at our labs. Their technical perfection ranges from operation (efficiency and reliability) to their long lifecycle (with well-designed housings to aid in day-to-day handling). Premium customer service is another part of the KRONOTERM experience.



Contract seller / installer

☎ 080 23 22 Members: 



Kronoterm d.o.o. | Trnava 5e, 3303 Gomilsko, SLO | info@kronoterm.com | www.kronoterm.com