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**KRONOTERM** 1976  
HEAT PUMPS



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**KRONO MULTI S**  
HEAT PUMPS  
*Quiet, adaptable, and dependable*



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## ADVANTAGES

### ***Economic and flexible***

Built to choose the right heat source, either from the air or the ground, KRONOTERM heat pumps take advantage of the most affordable heat source.

### ***Quiet and versatile***

Our products are built to operate in near silence, no matter what the conditions or working environments. They are so versatile that they can provide heat and both active and passive cooling, all in one device.

### ***Almost no defrosting***

Designed to operate constantly, with almost no frost buildup or defrosting, as outdoor units remove the bare minimum of moisture. This means that they don't have to work as hard, and thus have a much longer lifespan.

### ***Simple installation and maintenance***

Modular design makes for quick and simple installation and maintenance throughout a device's lifespan.

### ***Compatibility with other heating systems***

Your KRONOTERM heat pump can also be used as a smart device to manage other heating sources, such as oil, natural gas, or biomass.

## THE KRONO MULTI S SYSTEM

### 1. OUTDOOR UNIT

The outdoor unit is the part of the heat pump that is installed in your yard or driveway. The liquid medium it contains extracts energy from the heat source in order to warm your home. Krono Multi S outdoor units are designed to be extremely quiet, while their strong housing protects them from inclement weather and ensures that they have a long lifespan.

Two types:

- A simple outdoor unit to extract heat from ambient **air**
- An outdoor unit that derives heat from a combination of **air and earth**

• H: 1143, W: 1322, D: 601 mm

**A\*\*** **A+++** **5-23 kW** HEATING CAPACITY



### 2. INDOOR UNIT

Clever and thoughtful design ensure that KRONOTERM heat pumps take up less than 0.5 m<sup>2</sup> of space, both heating and thermally disinfecting your tap water in the process. They work independently or with an additional heat source (built-in electric heater or oil reservoir, natural gas, or biomass), and you can even connect it to domestic solar cells to heat your home practically for free.

Two types:

- INDOOR UNIT with additional water reservoir is more compact and **takes up less space**
- INDOOR UNIT with **built-in water reservoir**(boiler) heats up large quantities of DHW all at once.

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

**A\*\*** **A+++** **0.43** M<sup>2</sup> SURFACE



### 3. EASY TO OPERATE

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 basic KT1 and the advanced KT2, which, in addition to displaying and adjusting room temperature based on your desires and the outside temperature, provide users which a range of smart functions for automatically regulating air and water 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)

#### Smart Functions of the KT2 Model:

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



## CLOUD.KRONOTERM

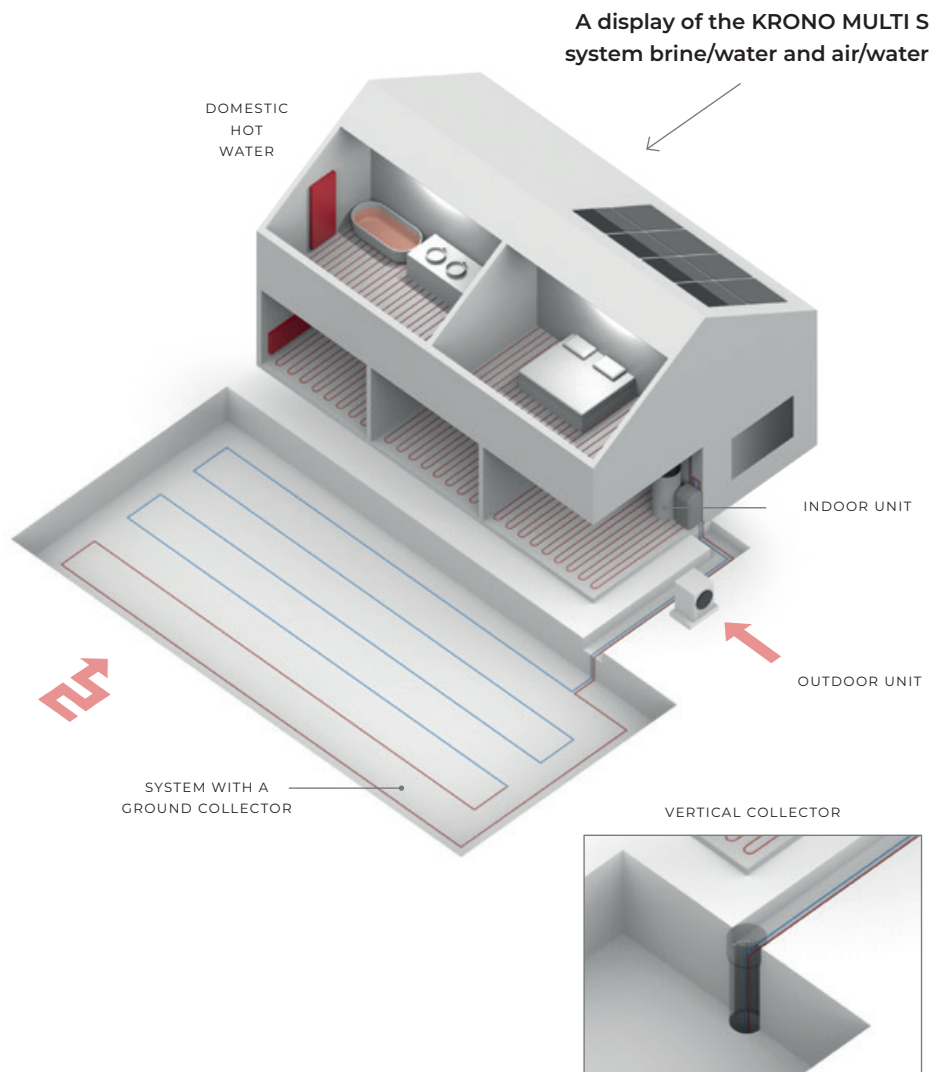
The CLOUD.KRONOTERM connection makes your heat pump smart, so it learns what settings you find most comfortable, while still saving energy. Control it with your phone anytime and anywhere, right from the palm of your hand. It gives you the ability to set different time programs to heat and cool to heat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



The CLOUD.KRONOTERM app and internet access are already installed serially in all of our heat pumps, and using the CLOUD.KRONOTERM system is completely free of charge.

## HEAT SOURCES

Our advanced hybrid technology, developed to switch between heat sources, make our Krono Multi S heat pumps our most efficient products to date. Smart operation directs the heat pump to choose the best heat source from the borehole or vertical ground collector, or if the air temperature is warm enough, it switches to a program that extracts heat from the ambient air.



## Noise levels

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

MULTI S: **26**

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

## Which heat pump is right for you?

	LOW ENERGY BUILDING (35W/m <sup>2</sup> )					NEW CONSTRUCTION (50W/m <sup>2</sup> )					OLD BUILDING (70W/m <sup>2</sup> )					comparison	
	in-floor heating		radiator heating			in-floor heating		radiator heating			in-floor heating		radiator heating				
	from m <sup>2</sup>	to m <sup>2</sup>	to m <sup>2</sup> w. DHW*	to m <sup>2</sup>	to m <sup>2</sup> w. DHW*	from m <sup>2</sup>	to m <sup>2</sup>	to m <sup>2</sup> w. DHW*	to m <sup>2</sup>	to m <sup>2</sup> w. DHW*	from m <sup>2</sup>	to m <sup>2</sup>	to m <sup>2</sup> w. DHW*	to m <sup>2</sup>	to m <sup>2</sup> w. DHW*		
KRONO MULTI S 05	45	111	82	101	72	31	78	57	71	50	22	56	41	51	36	1023	1054
KRONO MULTI S 07	63	157	128	143	113	44	110	89	100	79	31	79	64	71	57	1364	1406
KRONO MULTI S 10	89	223	193	203	173	62	156	135	142	121	45	111	97	101	87	1954	2015
KRONO MULTI S 12	112	280	251	255	225	78	196	175	178	158	56	140	125	127	113	2500	2577
KRONO MULTI S 15	129	323	293	294	264	90	226	205	205	185	65	161	147	147	132	2864	2952

\*DHW: Domestic hot water

## The Krono Multi S System in Specifications

Unit	Krono MULTI S 05	Krono MULTI S 07	Krono MULTI S 10	Krono MULTI S 12	Krono MULTI S 15	
<b>SEASONAL HEATING CAPACITIES ACCORDING TO STANDARD EN 14825</b>						
<b>BRINE/WATER**</b>						
Rated heating capacity (Pdesignh), 35 °C / 55 °C	<b>kW</b>	6 / 5	8 / 7	12 / 11	19/18	23/21
<b>AIR/WATER**</b>						
Rated heating capacity (Pdesignh), 35 °C / 55 °C	<b>kW</b>	5 / 5	6 / 6	9 / 9	11/11	13/13
<b>HEATING CAPACITIES ACCORDING TO STANDARD EN 14511</b>						
<b>BRINE/WATER** BOW35</b>						
Heating capacity	<b>kW</b>	5.28	7.28	10.76	13.22	14.88
Electrical power	<b>kW</b>	1.28	1.65	2.48	3.06	3.45
COP		4.10	4.42	4.34	4.32	4.31
<b>AIR/WATER** A7W35</b>						
Heating capacity	<b>kW</b>	6.26	8.68	12.30	14.75	17.6
Electrical power	<b>kW</b>	1.39	1.94	2.84	3.3	3.95
COP		4.50	4.48	4.33	4.47	4.45
<b>AIR/WATER** A2W35</b>						
Heating capacity	<b>kW</b>	5.37	7.44	10.75	12.9	14.95
Electrical power	<b>kW</b>	1.37	1.89	2.81	3.3	3.8
COP		3.92	3.93	3.83	3.9	3.93
<b>COOLING CAPACITIES ACCORDING TO STANDARD EN 14511</b>						
<b>BRINE/WATER** B15W7</b>						
Cooling capacity	<b>kW</b>	6.05	8.59	12.65	14.58	17.35
Electrical power	<b>kW</b>	1.18	1.59	2.28	2.92	3.44
EER		5.12	5.41	5.56	4.99	5.05
<b>AIR/WATER** A35W7</b>						
Hladilna moč	<b>kW</b>	4.56	6.40	9.33	11.6	13.95
Electrical power	<b>kW</b>	1.71	2.39	3.51	3.95	4.65
EER		2.66	2.68	2.66	2.9	3
<b>RANGE OF OPERATION</b>						
Heating (brine) – min. / max. brine temperature	<b>°C</b>	-7 / 25	-7 / 25	-7 / 25	-7 / 25	-7 / 25
Heating (air) – min. / max. air temperature	<b>°C</b>	-20 / 40	-20 / 40	-20 / 40	-20 / 40	-20 / 40
<b>SOUND POWER LEVEL ACCORDING TO STANDARD EN 12102,</b>						
<b>OUTDOOR UNIT</b>						
Sound power level during normal operation, W10W35	<b>dB(A)</b>	55	55	55	58	58
<b>INDOOR UNIT</b>						
Sound power level during normal operation, W10W35	<b>dB(A)</b>	41	42	43	44	45
<b>MASS – NET</b>						
<b>INDOOR UNIT (MASS HT/HK)</b>						
with no buffer reservoir for DHW***	<b>kg</b>	184 / 178	186 / 185	209 / 205	203 / 207	204 / 209
with a buffer reservoir for DHW***	<b>kg</b>	273 / 277	277 / 281	300 / 302	/	/
<b>OUTDOOR UNIT</b>						
Mass	<b>kg</b>	172	172	172	172	2 basic models = 2x 172
<b>ELECTRICAL DATA*</b>						
<b>Rated voltage 3N~ 400 V; 50 Hz</b>						
Max. operational current	<b>A</b>	16.7	18	20.9	22.9	24.4
Fuses	<b>A</b>	3 x C 20	3 x C 20	3 x C 20	3 x C 25	3 x C 25
<b>Rated voltage 1N~ 230 V; 50 Hz</b>						
Max. operational current	<b>A</b>	23.6	27.2	35.1	/	/
Fuses	<b>A</b>	1 x D 25	1 x D 32	1 x D 40	/	/

\* The total maximum capacity (circular pump, electronic valves, etc.) that can be connected or powered can not 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.

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## CONTINUING A TRADITION FROM 1976

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



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## FAMILY, TRADITION, AND COMMITMENT TO EXCELLENCE

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. It began developing and selling its first commercial heat pumps at the turn of the new millennium. Today it is making headway on the demanding markets of Austria, Italy, Germany, and Switzerland.



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## DEVELOPER AND MANUFACTURER IN ONE

KRONOTERM provides the very best in solutions, products, and technology for heating and cooling applications. In-house research, development, and production gives the company complete oversight. This lets it respond to all questions immediately – from planning and delivery all the way to installation and maintenance.



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## ALWAYS RESPONSIVE, OF COURSE

KRONOTERM supports its users at every step – from helping them make informed decisions and advanced plans to safe installation and years of worry-free operation. Our extensive support system gives us real-time information about how our products are working so we can correct errors immediately.



Contractual retailer/installer:

Members :  

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