KRONOTERM 1976

HEAT PUMPS

ADAPT
HEAT PUMPS

Quiet, friendly, and adaptable

ADVANTAGES

Quiet and versatile

Have you been dreaming of a **silent heat pump** for quite some time? One that will never interrupt your nightly rest? Our new housing design ensures that Kronoterm heat pumps work **quietly, nearly silently** even, no matter the conditions or location. You will sleep like an angel and wake up to a warm and cozy home. You'll also get along with your neighbors a lot better. These new heat pumps both **warm and cool** your home, working for you even during the hottest summer days.

Smart, small, and efficient

Clever design means that it **works exactly as your home needs it to**, learning from past cycles. With IAH™ system the heating will be **30 % more efficient**! It does its job peacefully, with exactly the right amount of energy and at the perfect temperature. This means it will stay with you for years, bringing you great savings forever. It doesn't need a lot of room either, as a mere **0.5 m² is more than enough space**. In that tiny area you'll find everything you needed in a boiler room.

At one with nature

You will barely notice how elegantly your heat pump blends in with its surroundings. With the MyDesign™ system you can adapt it to your space. Choose from a wide range of colors and materials for your housing. Be bold and let your heat pump provide your home with added value. It will not just be beautiful, though, as Kronoterm's heat pumps are also distinguished by their extraordinary care for the environment. Made from **environmentally friendly materials**, a state-of-the-art cooling system and a new coolant **reduces greenhouse emissions by a whopping 68 %** (compared to conventional heat pumps).

Efficient and durable

Designed to last. The ECL system ensures that all system components operate safely, reliably and efficiently. Like, making sure that the compressor is lubricated just right, all the time at all conditions. Things like this enable the heat pump to run reliably, efficiently and quitely at freezing -25 °C or scorching 40°C all while **heating the tap water up to 67 °C. Perfect for any climate and heating system**, including in-floor heating and traditional radiator systems.

Simple

Simple installation with all extra necessary equipment saves you tons of time, nerves, and money. Modular design **reduces the costs of both installation and connection**. Maintenance is also a breeze from day one to the very end, as it **can even be maintained remotely**. Sure enough, your smart heat pump connects to a mobile app on your smartphone, giving you complete oversight over your system and letting you change settings from your home, work, or even vacation. It can also connect to smart grids, domestic CNS systems, and to solar cells for self-sufficient operation.

Communicative and friendly

Your smart heat pump also acts as a device to **intelligently manage other heating sources** such as oil, natural gas, or biomass.

SILENCE

NMS™ - Noise-monitoring system
Noise, rumbling, whirring, whining, interrupted sleep, and fights with your neighbors? Sound familiar? Noise not only diminishes your quality of life, but it drags down your neighbors' quality too. We had the customer in mind when building our new generation of air/water heat pumps, so we **reduced the volume of the internal unit to just barely** audible. To attain this nearly silent state, we applied our sound damping technology from our geothermal heat pumps. The compressor, inverter, and all the other loud bits were shut into an external unit surrounded by a **specially designed and insulated sound chamber**. This is made from materials that dampen annoying frequencies. So that your sleep would be even more perfect, we built **a bionic ventilator, with blades like an owl's wings**, which will never be any louder than a laptop. If you ever dreamed of installing a heat pump right by your bedroom or to your neighbor fence, well, now is your chance!

DESIGN

MyDesign™ - A uniquely designed system
How long did you take to decide on the color of your house? What about your bedroom walls? How many different pairs of socks do you have? Why should your heat pump be just like everyone else's? **Tailor your heat pump to your desires**, architecture, and the surroundings where it will work and keep you comfortable for years.

Find the material that matches your lawn furniture and your gardening, the perfect color to match your facade and windows, or **simply pick the housing that you like best**. The new CWP™ system protects your heat pump no matter the conditions (rain, snow, wind, sun) and no matter where you install it, even without a roof or any other enclosure around it.

EFFICIENCY

IAH™ – Smart heating

Your new heat pump will be the most efficient when it is **tailored to the environment** it's working in. Through operational analysis and settings optimization it will automatically adjust to your building and its heating and cooling needs, without any input from you or a service technician. Our new heat pumps have a built-in IAH™ system for automatic adjustments and ensuring the most efficient heating in all climatic conditions. We developed this system to **provide you with as much energy efficiency and savings as possible.**

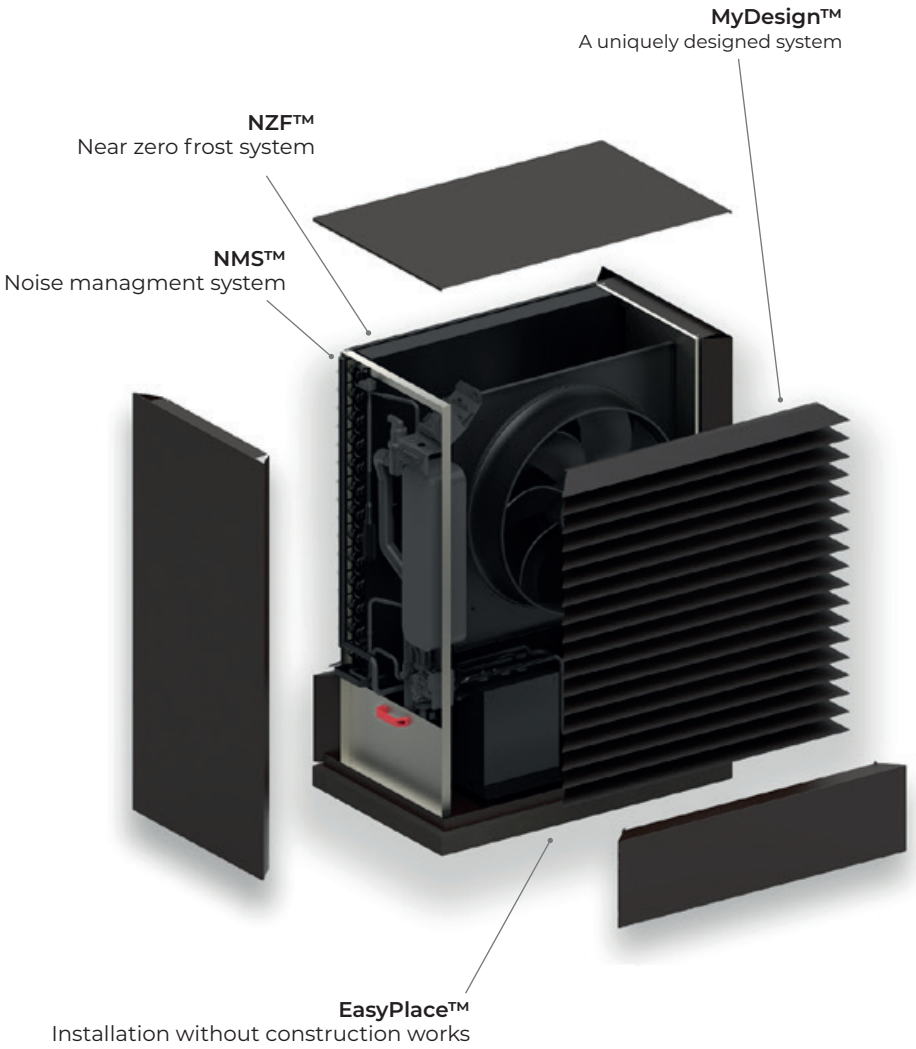
DEPENDABILITY

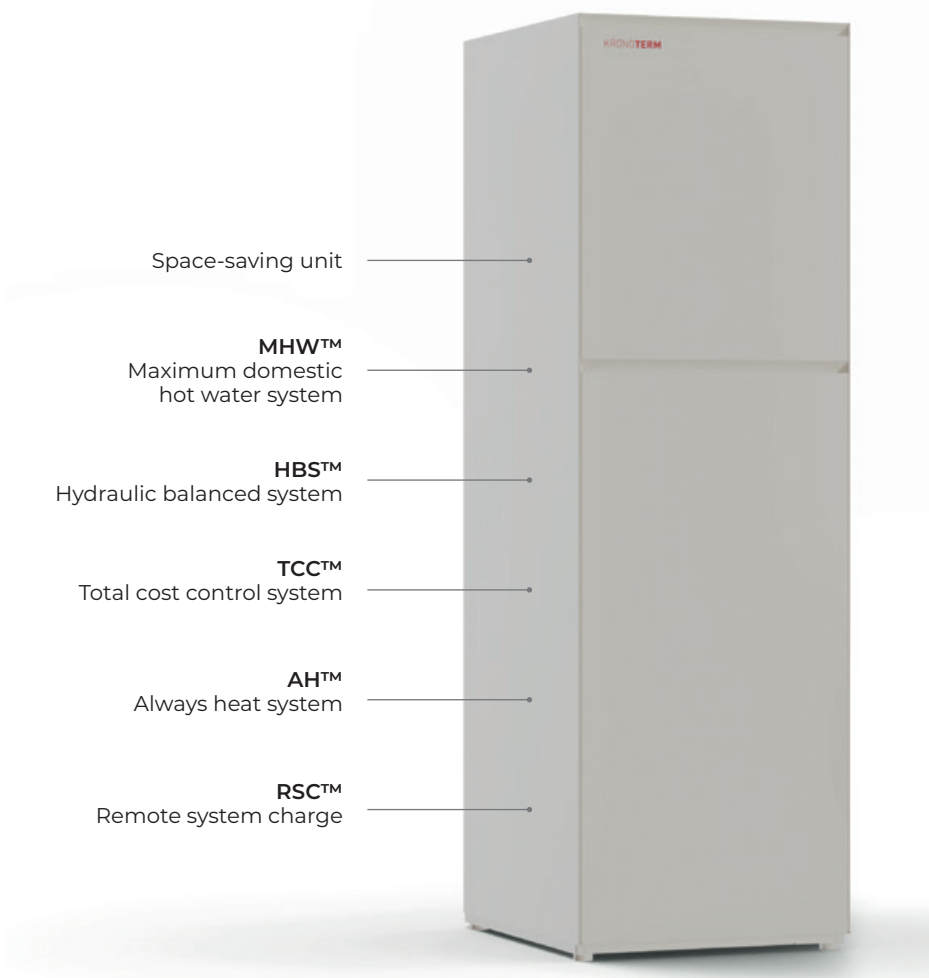
ECL™ - Long-term operation system

Proper compressor lubrication is the key to ensuring a long, healthy life for your heat pump. Leave this worry to the heat pump itself! The finely tuned ECL™ system, which intelligently uses algorithms for oil recapture, makes sure that your heat pump is well lubricated in all working conditions and revolutions per minute, even if the outside air is a freezing -25 °C or a boiling 40 °C. It is perfect for any climate and heating system, including extreme low temperatures and traditional radiator systems. This means less wear and tear on the compressor, more efficient operation, and ultimately a **longer lifespan for your heat pump.**

COMFORT/FUNCTIONALITY

Where to place your heat pump in your home? Who is going to give up their space for a boiler? Modern construction is ever more rational and parcellation is tighter, meaning that the use of space and appearance are more important than ever. We are ahead of the trend, designing a miniature heat pump with its own "boiler", all joined together in an attractive unit that **only takes up 0.5 m²**. With a new Kronoterm heat pump you will not only be saving energy and money, but space as well, which you will be able to dedicate to other purposes.





ADAPT SYSTEM

1. OUTDOOR UNIT

The external unit is a compact heat pump, installed in your yard or driveway. It draws heat from the air, transferring it to a liquid medium to distribute heat through your home. ADAPT external units are crafted to be as unintrusive as possible, as they operate in **almost total silence. Modern attention to aesthetics** combines perfectly with the architecture of the building and its surroundings. The housing is shaped to protect it from adverse weather, ensuring it will heat your home for years to come.

A++ A+++ **5.21 SCOP** SEASONAL PERFORMANCE **3-24 kW** HEATING CAPACITY

- H: 1400, W: 1050, D: 675 mm

A++ A+++ **300 l** HOT TAP WATER **0.5 m²** COMPLETE BOILER ROOM

2. INDOOR UNIT

Thanks to ingenious design, Kronoterm heat pumps take up **less than 0.5 m².** With no lights or beeps and with levels of near silence, your heat pump becomes a hardly noticeable part of your home decor. Not only does it **warm** your home, but it also **heats your tap water,** which you can even thermally sterilize. Your home will be both warm and healthy!

Two types:

- The internal unit with the add-on boiler is more compact and **takes up less space**, even fitting above your washing machine.
- The internal unit with **a built-in boiler** can heat up even large quantities of domestic hot water at once, and is about as big as a ground plan of a washing machine.

- H: 700, W: 525, D: 350 mm
- H: 1925, W: 605, D: 700 mm (built-in boiler)

3. SIMPLE MANAGEMENT

Other than the feeling of warmth and comfort, the only sign of your heat pump is the elegant, wall-mounted KT2 interface. Use it to **adjust your heat pump and heating system**, without ever actually needing to touch the heat pump itself. The smart interface 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 temperature and your domestic hot water.

Installed under or over plaster layer

- H: 80, W: 122, D: 8,6 mm

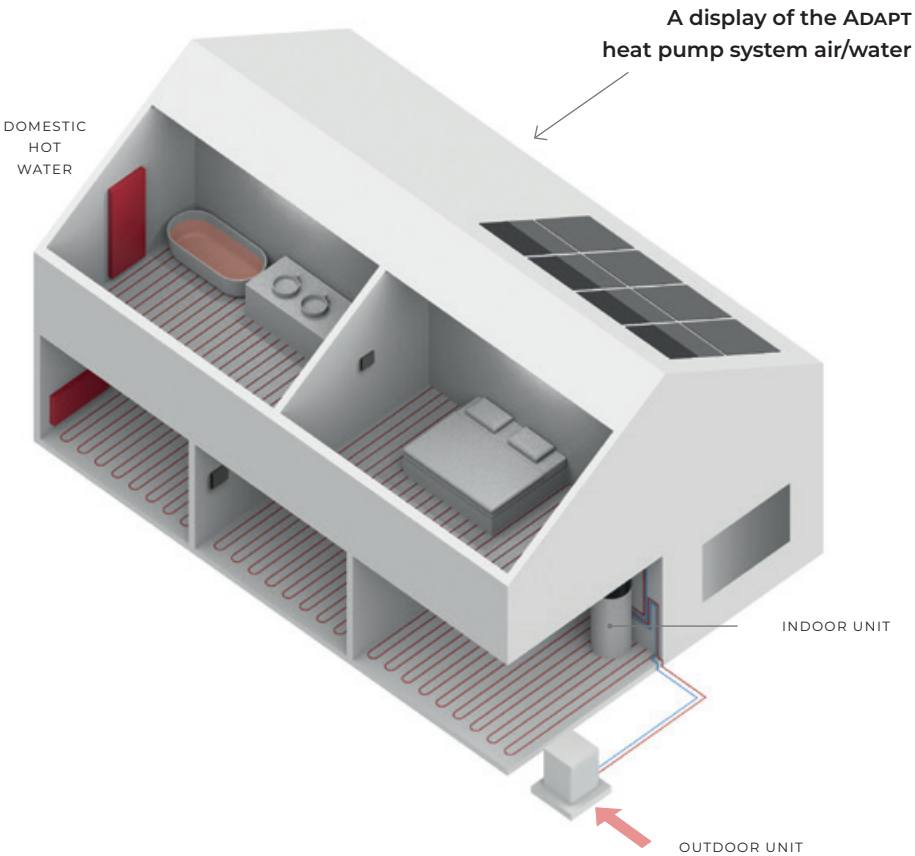
CLOUD.KRONOTERM

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.

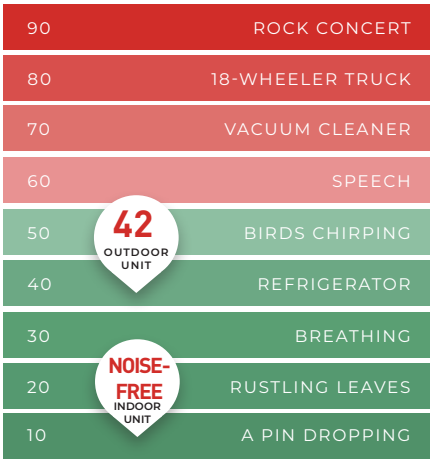
The CLOUD.KRONOTERM app and internet access are already installed serially in all of our heat pumps, and using the CLOUD. KRONOTERM system is completely free of charge for end customer.

HEAT SOURCE

Since air is all around us and infinitely accessible, it makes for the perfect heat source for the ADAPT line of affordable heat pumps. Simple design also means cheap and easy installation and maintenance. Modern heat pumps can even extract heat when the ambient temperature is below freezing, and when the temperature drops even further, it effortlessly combines other heat sources into the system. The constant power level used by ADAPT heat pumps, which are just as strong at -10 °C as they are when the temperature reaches +7 °C, results in additional savings and longer lifespans for the device itself.



Noise levels



Sound pressure level dB(a) at 1 meter away, standard EN ISO 11202 conditions A7W35,.

The ADAPT System in Specifications*	UNIT	ADAPT 0312		ADAPT 0416		ADAPT 0724**
		1F	3F	1F	3F	
SEASONAL HEATING CAPACITIES ACCORDING TO STANDARD EN 14825						
AIR/WATER						
Rated heating capacity (Pdesignh), 35 °C / 55 °C	**kW**	8 /7	8/8	11 / 10	11/10	TBA
SCOP average climate zone, 35°C / 55 °C		5.08 / 3.65	4.93 / 3.57	5.12 / 3.75	5.21 / 3.67	TBA
HEATING CAPACITIES ACCORDING TO STANDARD EN 14511						
AIR/WATER A7W35						
Heating capacity	**kW**	6.08	6.02	8.48	8.50	TBA
Electrical power	**kW**	1.11	1.11	1.51	1.53	TBA
COP		5.48	5.41	5.60	5.55	TBA
AIR/WATER A2W35						
Heating capacity	**kW**	6.55	6.56	8.57	8.41	TBA
Electrical power	**kW**	1.49	1.47	1.92	1.89	TBA
COP		4.42	4.47	4.46	4.49	TBA
COOLING CAPACITIES ACCORDING TO STANDARD EN 14511						
AIR/WATER A35W7						
Cooling capacity	**kW**	10.31	10.31	7.21	7.21	TBA
Electrical power	**kW**	3.99	3.99	2.75	2.75	TBA
EER		2.58	2.58	2.62	2.62	TBA
RANGE OF OPERATION						
Heating (air) – min. / max. air temperature	**°C**	-25 / 40		-25 / 40		TBA
Cooling (water) – min. / max. air temperature	**°C**	7 / 40		7 / 40		TBA
SOUND POWER LEVEL ACCORDING TO STANDARD EN 12102						
OUTDOOR UNIT						
Sound power level during normal operation at 1 m, A7W35	**dB(A)**	42		48		TBA
INDOOR UNIT						
Sound power level during normal operation at 1 m, A7W35	**dB(A)**	noise-less		noise-less		TBA
DIMENSIONS AND MASS – NET						
OUTDOOR UNIT						
Dimensions (W x H x D)	**mm**	1050 x 1400 x 675		1050 x 1400 x 675		1050 x 1400 x 675
Mass	**kg**	227		231		TBA
INDOOR UNIT COMPACT						
Dimensions (W x H x D)	**mm**	605 x 1925 x 700		605 x 1925 x 700		TBA
Mass	**kg**	205		205		TBA
INDOOR UNIT WALL						
Dimensions (W x H x D)	**mm**	525 x 700 x 350		525 x 700 x 350		TBA
Mass	**kg**	33		33		TBA
ELECTRICAL DATA						
Rated voltage ~ 230 V; 50 Hz						
Max. operational current	**A**	18.6	/	23.1	/	TBA
Fuses	**A**	1 x C 20	/	1 x C 25	/	TBA
Rated voltage 3N~ 400 V; 50 Hz						
Max. operational current	**A**	/	7.6	/	10.4	TBA
Fuses	**A**	/	3 x C 10	/	3 x C 10	TBA

*Preliminary data. Heat pump ADAPT is planned to be available in September 2019. The right to correct or change the content at any time without notice, is resrved.
**Planed to be available in spring 2020.

Which heat pump is right for you?

	LOW ENERGY BUILDING (35W/M2)					NEW CONSTRUCTION (50W/M2)					OLD BUILDING (70W/M2)					COMPARISON	
		in-floor heating		radiator heating			in-floor heating		radiator heating			in-floor heating		to m2 w. DHW*		energent	
	from m²	to m²	to m² w. DHW*	to m²	to m² w. DHW*	**from m²**	to m²	to m² w. DHW*	to m²	to m² w. DHW*	**from m²**	to m²	to m² w. DHW*	to m²	to m² w. DHW*	heating oil (l)	natural gas (m³)
ADAPT 0312	**75**	260	290	230	200	**55**	180	160	160	145	**40**	130	115	120	100	1900	2000
ADAPT 0416	**100**	340	310	310	290	**70**	240	220	220	200	**50**	170	160	160	140	2500	2600
ADAPT 0724	**150**	520	490	470	440	**110**	360	340	330	310	**80**	260	240	230	220	4100	4200

*DHW: Domestic hot water

CONTINUING A TRADITION FROM 1976

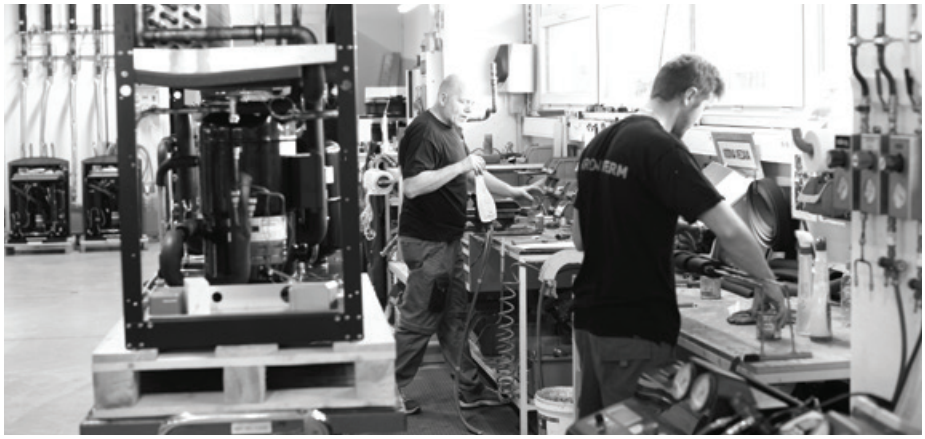
This family-run company from Slovenia has spent the past 50 years developing its reputation among the world's few producers of state-of-the-art heat pumps. Today KRONOTERM is a name that is synonymous with excellence, dependability, and friendliness – both to customers and to the environment.

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.

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.



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: ehpa

ISO 9001 BUREAU VERITAS Certification
N° SL21427Q

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