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 60 °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.

BIGSEE

archiproducts DESIGN AWARDS

MADE IN SLOVENIA SELECTION OF DESIGN EXCELLENCE

ADAPT SYSTEM

1. OUTDOOR UNIT

A++ A+++ **5.20 SCOP** SEASONAL PERFORMANCE **3-24 kW** HEATING CAPACITY

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.

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

2. INDOOR UNIT

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

The clever design of the indoor hydraulic unit takes up **less than 0.5 m²** of floor space. It thus becomes a silent and inconspicuous part of your furniture, as we even made sure to remove all lights and other bothersome elements. Not only does it provide heat for your home, it also **heats your tap water** and also features a thermal disinfection option. This ensures that your home will be warm in the winter, cool in the summer, and friendly to your health and the environment year-round.

There are two types:

- A compact indoor unit HYDRO C2 with a built-in 200 l DHW storage tank, along with an optional **200 l DHW storage tank**, for producing large quantities of domestic hot water.
- An indoor wall unit HYDRO S2 with an optional **40 l buffer tank** that can be installed, e.g., above a washing machine.

- W: 602, H: 1812, D: 684 mm (compact HYDRO C2)
- W: 525, H: 620, D: 320 mm (wall HYDRO S2)

3. SIMPLE MANAGEMENT

Other than the feeling of warmth and comfort, the only sign of your heat pump is the elegant, wall-mounted KT-2A 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 heating temperature and your domestic hot water.

Installed under or over plaster layer

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

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

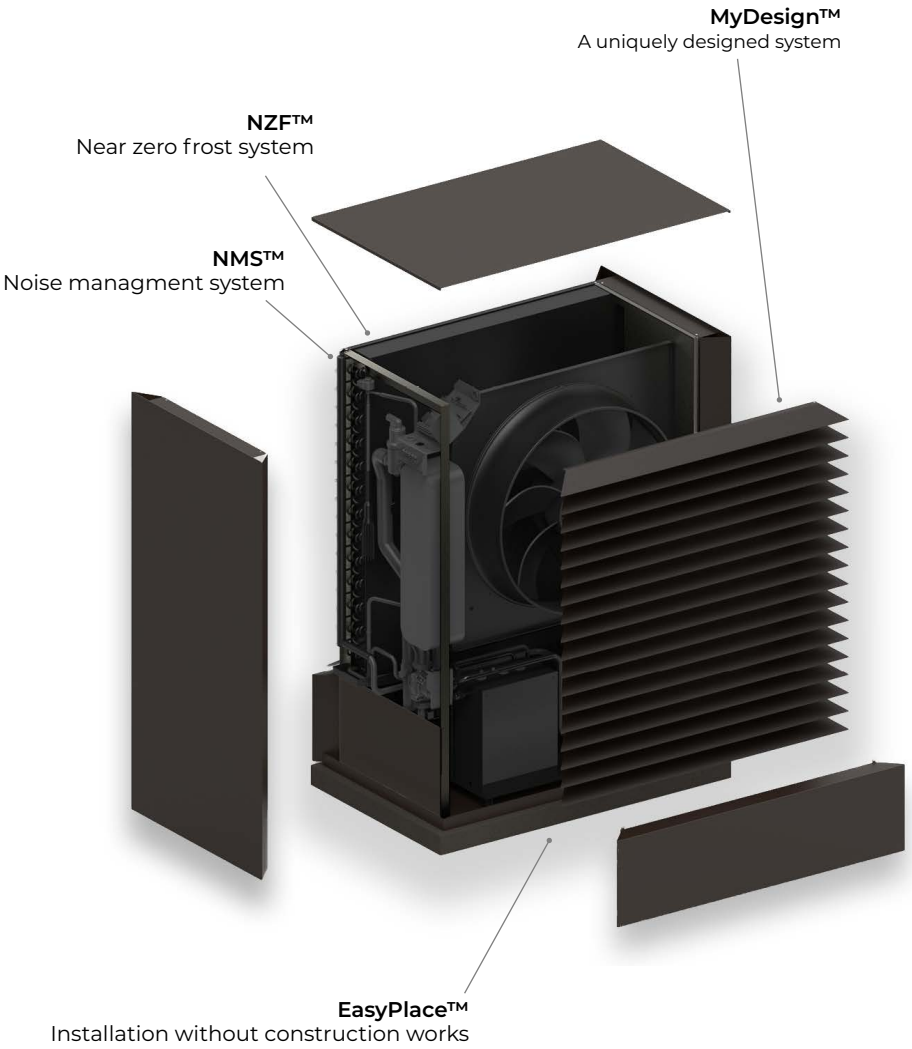
MyDesign™ - A uniquely designed system
How long did you take to decide on the color of your house? What about your bedroom walls? How many different pairs of socks do you have? Why should your heat pump be just like everyone else's? **Tailor your heat pump to your desires**, architecture, and the surroundings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



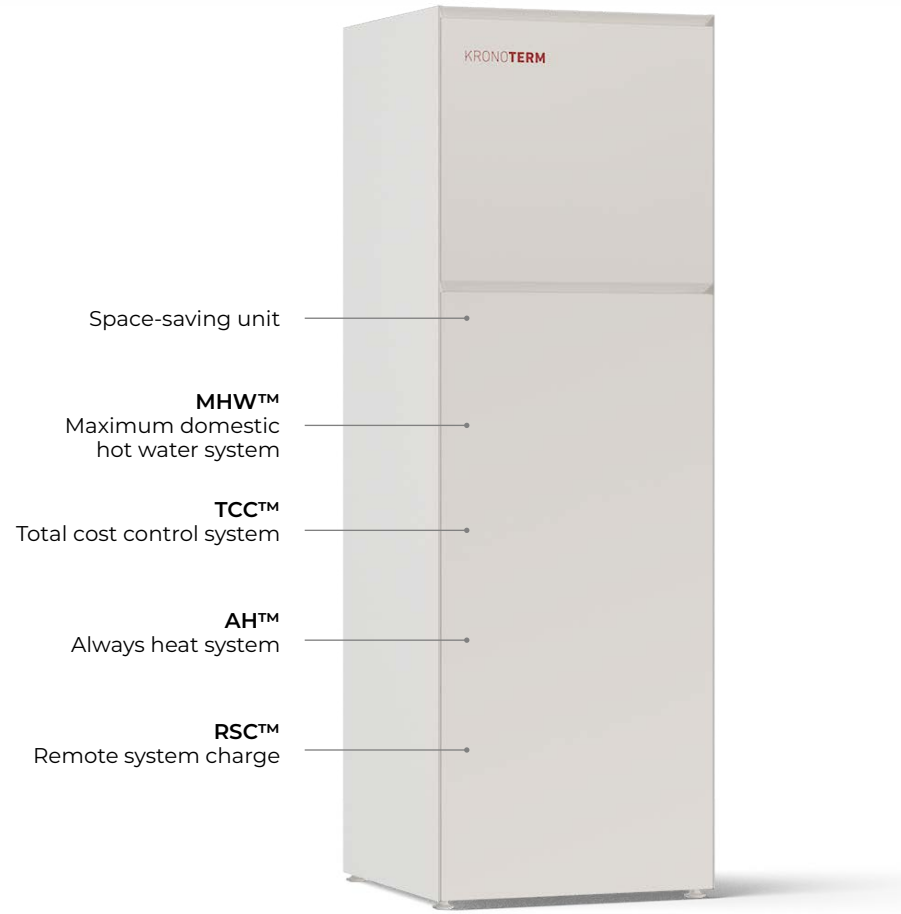
DEPENDABILITY

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.



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.

Internet access is already installed serially in all of our heat pumps.

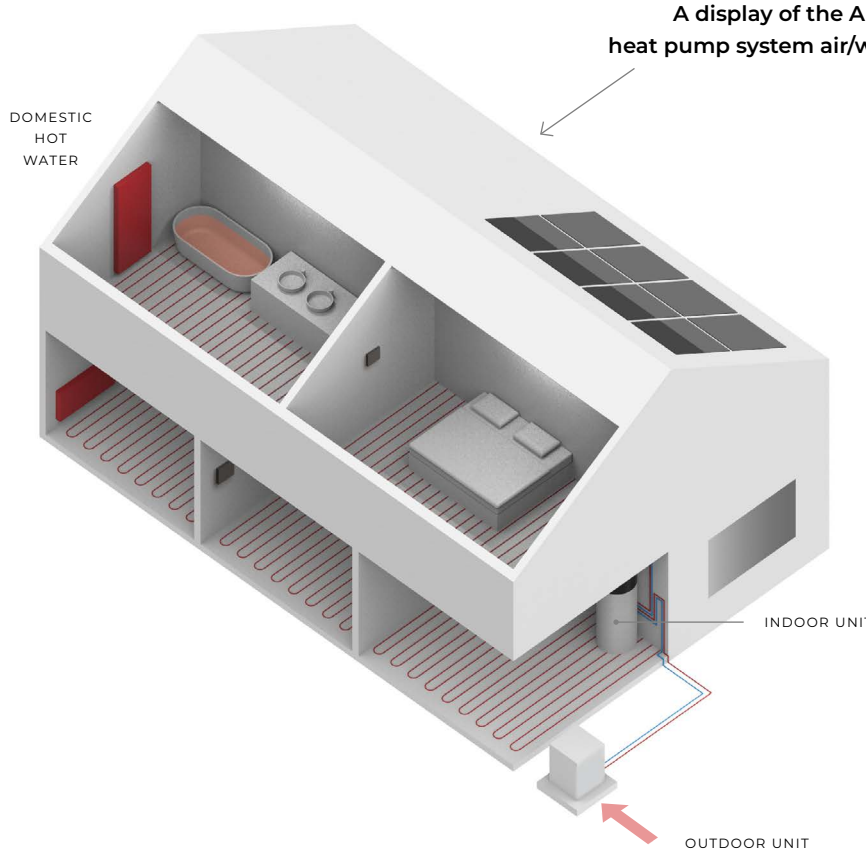
Cloud.Kronoterm could be found on: **cloud.kronoterm.com**

Type	air – water
Username	demo2
Password	demo2

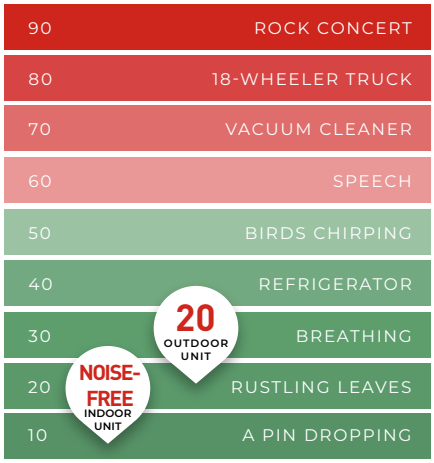
HEAT SOURCE

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 -6 °C as they are when the temperature reaches +7 °C, results in additional savings and longer lifespans for the device itself.

A display of the ADAPT heat pump system air/water



Noise levels



The sound pressure at the distance of 5 m [dB(A)] ADAPT 0312; the declared sound power on the Ecolabel energy label.

The ADAPT System in Specifications*	Unit	ADAPT 0312		ADAPT 0416		ADAPT 0724
		1F	3F	1F	3F	3F
MAXIMUM POWER AND CAPACITIES ACCORDING TO STANDARD EN 14511						
AIR/WATER A7W35						
Heating capacity	kW	9,00	9,00	12,00	12,00	18,00
Electrical power	kW	1,80	1,80	2,35	2,35	3,67
COP		5,00	5,00	5,10	5,10	4,90
AIR/WATER A10W35						
Heating capacity	kW	8,10	8,10	10,80	10,80	15,60
Electrical power	kW	2,61	2,61	3,55	3,55	5,20
COP		3,10	3,10	3,10	3,10	3,00
SEASONAL HEATING CAPACITIES ACCORDING TO STANDARD EN 14825						
SCOP, 35 °C/55 °C		5,08/3,65	4,92/3,57	5,12/3,75	5,20/3,66	5,02/3,87
ηs	%	194/139	188/137	197/144	201/141	195/150
Rate of seasonal energy efficiency		A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A+++
SEASONAL ENERGY EFFICIENCY FOR HEATING DETERMINED IN AVERAGE CLIMATE ZONE ACCORDING TO DIRECTIVE (EU) 811/2013						
Rated heating capacity (Pdesign), 35 °C/55 °C	kW	8,1/7,4	8,4/7,8	11,1/10,4	11,0/10,3	15,6/15,5
COOLING CAPACITIES ACCORDING TO STANDARD EN 14511						
AIR/WATER A35W7						
Cooling capacity	kW	8,00		11,00		18,00
Electrical power	kW	3,14		4,23		7,83
EER		2,55		2,60		2,30
RANGE OF OPERATION						
Heating (air) – min./max. air temperature	°C	-25/40		-25/40		-25/40
Cooling (water) – min./max. air temperature	°C	0/40		0/40		0/40
SOUND ACCORDING TO EN 12102 AT THE CONDITION OF A7W35						
OUTDOOR UNIT - ECOLABEL						
Level of sound power	dB(A)	42		46		53
Sound pressure at 5 m away	dB(A)	20		24		31
INDOOR UNIT						
Level of sound power	dB(A)	noiseles		noiseles		noiseles
DIMENSIONS AND MASS – NET						
OUTDOOR UNIT						
Dimensions (W x H x D)	mm	1050×1400×675		1050×1400×675		1050×1400×675
Mass	kg	212	223	221	231	243
INDOOR UNIT COMPACT - HYDRO C2						
Dimensions (W x H x D)	mm	602×1812×684		602×1812×684		/
Mass	kg	135		135		/
INDOOR UNIT WALL - HYDRO S2						
Dimensions (W x H x D)	mm	525×620×320		525×620×320		525×620×320
Mass	kg	28		28		28
INDOOR UNIT - WR KSM						
Dimensions (W x H x D)	mm	400×350×85		400×350×85		400×350×85
Mass	kg	4,7		4,7		4,7
ELECTRICAL DATA						
Rated voltage		~ 230 V; 50 Hz	3N~ 400 V; 50 Hz	~ 230 V; 50 Hz	3N~ 400 V; 50 Hz	3N~ 400 V; 50 Hz
Max. operational current	A	18,6	7,6	23,1	10,4	17,0
Fuses	A	1 x C 20	3 x C 10	1 x C 25	3 x C 10	3 x C 20

**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:

((• 03 703 16 20 Members: ehpa

ISO 9001 BUREAU VERITAS Certification
N° SL21427Q

I FEEL SLOVENIA Ambassador GREEN. CREATIVE. SMART.

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