

PRODUCT HIGHLIGHTS



Your way to **Independence.**

Heat Pump Technology in **Equivalence** with Nature!



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System Control for Heating, Domestic hot water and PV



Multi-Touch Control

Stepless temperature settings can be made worldwide! The Heliotherm Multi-touch regulating control is the heart of the **webcontrolAT®** user interface. Operating the control is as easy as using a smart device. Giving you the ability to adjust the **heating and cooling temperatures**, as well as the **domestic hot water temperature** and monitoring. A prompt SMS message or E-mail will inform you of any changes to be made for even **more living comfort**.



Heat & Cool

The heat pump system can be **controlled and adjusted** to your desired comfort. **Every day and at any time** of the day, the system can be set to a well-being temperature. When the home is vacant, the values can be reduced to more energy saving level.



Efficiency

Full control in **real time**. Meaning, the Heliotherm **webcontrolAT®** gives you the capacity of full heating efficiency and the overview readiness for domestic hot water. Moreover, the Live value data and long-term data can be independently retrieved from any smart device and browser.



Photovoltaic

As an energy producer, you may want to know how the power is being used. No problem, you have a proficient **energy management system** at your fingertips. A **PV current-dependent COP**, the PV-ECO-SCOP, represents the capacity of your **Heliotherm heat pump system** and the related produced solar power.

- Full smart **control** of your **Heliotherm heat pump system**
- Browser based
- No APP / software download needed
- **Modbus, KNX, PV-Syncro, DI, Smart Grid capable**
- **VPN encrypted** - highest security standard
- **Data security** through local storage



Intuitive Control by Multi-Touch Control



webcontrolAT®

Product Description

The webcontrolAT® is a digital web-based control for Heliotherm heat pump systems. Which can be used with any current internet capable terminal device and browser. **The regulating control thus enables a worldwide mobile control of the Heliotherm heat pump in a full range of functions.**

The software does not have to be installed to the terminal device and is therefore very user-friendly. The minimum data transfer rate is 15 Mbit /s. Any occurring internet costs depend on the internet provider. We recommend that for the heat pump control to make the connection via a wcat router.

Responsive Design

The webcontrolAT® user interface has been created with a responsive design and is independent of the device's screen size. Giving you convenient access to your heat pump system whether from the **big-screen smart TV** to your **smartphone** or **smart device**.

Types of Connection

Connection via wcat router:

Provides the **safest connection** between your Heliotherm heat pump and the webcontrolAT® control, Providing **maximum safety** from your home network decoupled connection with a separate SIM card via a VPN tunnel and a //https.

Popular smart device home solutions do not meet the security standards.

Connection via a home network (W-LAN):

Most households are equipped with an active W-LAN. This type of network can build the connection between the Heliotherm heat pump and the webcontrolAT® control. The responsibility for quality, durability and safety regarding this connection lies in its entirety with the network provider.

Connection with a network cable:

The Heliotherm heat pump and the webcontrolAT® control can also be directly connected via a network cable. This connection is thought for in the event of a wireless network connection failure.

The heat pump and all system components can still be controlled but only locally.

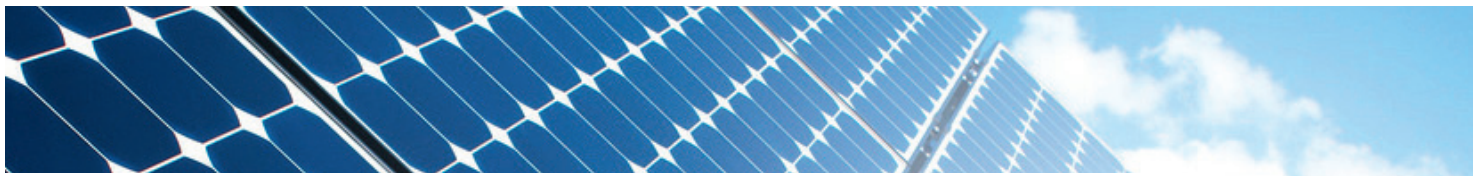
* SCOP (seasonal coefficient of performance)

= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh.

HP Comfort Compact **Air / Water** | 8 kW | 12 kW | 18 kW

WP Comfort Compact		S08L-M-CC	S12L-M-CC	S18L-M-CC
Heat capacity at A7/W35*	kW	4,6	7,0	9,6
COP at A7/W35		5,0	5,1	5,0
Heat capacity at A2/W35*	kW	5,8	9,3	13,4
COP at A2/W35		4,2	4,3	4,1
Heat capacity at A -7/W35*	kW	8,3	12,1	17,6
COP at A -7/W35		3,2	3,2	3,0
SCOP (EN14825) Climate: Average		4,5	4,6	5,0
Max. outlet heating temp.	°C	62	62	62
Acoustic output acc. to EN 12102	dB(A)	48	50	51
Dimension (H x W x D)	mm	1700 x 900 x 590	1700 x 940 x 1000	1700 x 940 x 1000
Weight	kg	215	256	262

Reversible Cooling - optional		REV08	REV12	REV18
Cooling capacity at A35/W18	kW	8,2	11,0	13,8
COP EER at A35/W18		4,0	4,2	4,0
Cooling capacity at A35/W7	kW	7,1	9,0	11,9
COP EER at A35/W7		3,6	3,6	3,7
SEER at A35/W18		6,0	5,7	6,1



HP Comfort Compact **Air / Water COP-Booster** | 12 kW | 18 kW

PV-COP-Booster*		AF-S12-CC-PV	AF-S18-CC-PV
Max. outlet heating temp.	°C	55	55
Max. heat capacity - modulating	kW	12	18
COP at A2/W35		> 4,3	> 4,6
COP at A7/W35		> 5,1	> 5,1
Max. power input		1,98	2,24
Dimension (H x W x D)	mm	1700 x 940 x 1000	1700 x 940 x 1000
Weight	kg	78	89

Unabhängigkeitspakete**		PV-UKP-1	PV-UKP-2
Package capacity	Watt	> 750	> 1.500
PV-module quantity		3	6
Space required		4,8 m2	9,6 m2
Installation type		Roof / Front-facade / Open space	

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HP Comfort Compact **Air/Water**



Air



PV



Modulating | 8 kW | 12 kW | 18 kW

This **highly engineered system** has been especially designed for **single** and **multi-family** homes. Effectively, Heliotherm presents with the new Sensor Series, its latest generation of Air / Water heat pumps in Compact Design. Due to the stepless and fully automatic performance control, this heat pump series achieves a particularly high seasonal performance factor. A high quality weather resistant aluminum alloy and elegant design distinguishes the heat pump; moreover, its performance contributing as a sustainable investment which can be relied on for many years.

The intelligent compact design has been successfully tested showing a significant lower operating sound. This is made possible by a special backcurved centrifugal fan in connection with a **sound optimized case design**.

In addition, an **increased operational safety is insured** due to the **continuous cooling circuit monitoring** and the responsive working sensors.

The advantages

- ✓ **Highest energy efficiency** of all heat pumps available on the market in its class
- ✓ Even at lower outside temperatures **problem free heating operation**
- ✓ **Approval free**
- ✓ **Active cooling** optional
- ✓ **Award winning design**
▷ customized surface (optional)
- ✓ **PV-Booster ready**
- ✓ **Unrivalled silent unit** ▷ confirmed acoustic tests from the AIT - A/O 11. 04. 2018



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* **SCOP** (seasonal coefficient of performance)
= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh.

HP Basic Comfort **Air/Water** Split Design | 8 kW | 12 kW | 20 kW

HP Basic Comfort Split Design		HP08L-M-BC	HP12L-M-BC	HP20L-M-BC
Heat capacity at A7/W35*	kW	4,8	7,3	11,6
COP at A7/W35		5,3	5,3	5,2
Heat capacity at A2/W35	kW	6,0	9,5	15,5
COP at A2/W35		4,3	4,2	4,2
Heat capacity at A -7/W35**	kW	8,3	12,2	18,5
COP at A -7/W35		3,3	3,3	3,1
SCOP (EN14825) Climate: Average		4,7	4,8	5,3
Max. outlet heating temp.	°C	62	62	62
Dimension (H x W x D)	mm	1700 x 600 x 670	1700 x 600 x 670	1700 x 600 x 670
Weight	kg	175	180	185

Reversible Cooling - optional		REV08	REV12	REV18
Cooling capacity at A35/W18	kW	10,3	12,2	18,2
COP EER at A35/W18		4,2	4,4	4,2
Cooling capacity at A35/W7	kW	10,0	12,3	18,1
COP EER at A35/W7		3,8	3,7	3,9
SEER at A35/W18		6,3	5,9	6,2

Silent Source **Outdoor Evaporator** | Free standing | Wall mount

OE Silent Source Free standing		HPS60	HPS80	HPS120
Acoustic output acc. to EN 12102		40	40	46
Application range	°C	-25 bis +45		
Design type		Fin evaporator		
Dimension (H x W x D)	mm	900 x 990 x 840	1260 x 1020 x 960	1510 x 1050 x 1140
Weight	kg	120	130	180
OE Silent Source W Wall mount		HPS60-W	HPS80-W	
Acoustic output acc. to EN 12102		40	40	
Application range	°C	-25 bis +45		
Design type		Fin evaporator		
Dimension (H x W x D)	mm	900 x 990 x 840	1260 x 1020 x 960	
Weight	kg	120	130	



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HP Basic Comfort **Air/Water** Split Design



Modulating | 8 kW | 12 kW | 20 kW

The **quietest** heat pump system on the market!

The **Heliotherm Basic Comfort Air / Water** heat pump Split Design adapts automatically to the building's heating requirements and ensures maximum heating and living comfort for the single or multi-family home. The attractively priced Basic Comfort Split achieves a solid base for efficient and **environmentally friendly** heating, domestic hot water and **cooling** (optional).

The accessible use of **self-generated electricity** from a **photovoltaic system**, allows you to use the energy as efficiently and cost effective as possible. The **possible combinations** of adapting the heat pump to varied buffer storage units and heat distribution systems allow the **flexibility** needed for planning an ideal heating system.

The **Heliotherm outdoor evaporator** works efficiently and surely belongs to the **most efficient** and **quietest** unit of its kind. The unit enables you to use the free, inexhaustible environmental energy even on small plots of land for **heating and cooling** your home.

The unit can be installed as standing or wall-mounted, its elegant evaporator design can be adapted to **various designs** to best fit the building's architecture.



The advantages

- ✓ High efficiency through innovative **modulation technology**
- ✓ Ideal for heating system upgrade
▷ **easy installation**
- ✓ **Compact design** is small foot space requirement in the heating room
- ✓ **Quietest evaporator** on the market
- ✓ **Sound level 18 dB** (3 meters distance), 40 dB (A) directly to unit
- ✓ Aerodynamically optimized airflow **reduces turbulence**
- ✓ **Award winning design** ▷ customized surface
- ✓ **Reliable Quality** – Made in Austria



* **SCOP** (seasonal coefficient of performance)
= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh.

HP Solid **Air / Water** Split Design | 30 kW | 40 kW | 55 kW

HP Solid Split Design		S30L-M-Solid	S40L-M-Solid	S55L-M-Solid
Heat capacity at A2/W35	kW	30,3	43,6	55,5
COP at A2/W35		4,3	4,4	4,2
Heat capacity at A-10/W35	kW	27,7	38,6	54,2
COP at A-10/W35		2,3	2,7	2,3
SCOP (EN14825) Climate: Average		4,7	4,8	5,2
Max. outlet heating temp.	°C	62	62	58
Dimension (H x W x D)	mm	1700 x 600 x 670	1700 x 600 x 670	1700 x 600 x 670
Weight	kg	210	350	380

Reversible Cooling - optional		REV28	REV46	REV57
Cooling capacity at A35/W18	kW	28,0	46,0	55,9
COP EER at A35/W18		4,2	4,2	4,2
Cooling capacity at A35/W7	kW	28,2	43,7	56,4
COP EER at A35/W7		4,1	4,0	4,0
SEER at A35/W18 (EN14825)		6,5	6,2	6,5

Silent Source **Outdoor Evaporator** Free standing

AV Silent Source Freistehend		HPS240	HPS300
Acoustic output acc. to EN 12102		48	48
Application range	°C	-25 bis +45	
Design type		Fin evaporator	
Dimension (H x W x D)	mm	1510 x 2000 x 1140	1510 x 2960 x 1140
Weight	kg	281	455

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HP Solid **Air / Water** Split Design



Air



Modulating | 30 kW | 40 kW | 55 kW

The Heliotherm Sensor Solid Air / Water heat pump Split Design adapts automatically to the building's heating requirements.

Due to its high heat output, the Sensor Solid Split is the ideal solution for **generous residential buildings, hotels and commercial buildings** of all kinds, with a maximal outlet heating temperature of up to 62 °C as well as through combination possibilities with existing heat delivery systems, it is also suitable especially for modernizations.

The building's greater or lesser heating demand is detected by the ambient temperature. The innovative modulation technology adjusts the heat pump to the required heat output. Therefore, resulting in **higher efficiency and substantial CO₂ savings at minimal energy costs.**



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The advantages

- ✓ **Wide range of performance**
▷ Modulating becomes the optimal power supply also in buildings
- ✓ **Maximum efficiency** through fully automatic adjusted heating, also in partial load operation
- ✓ Safe and virtually **maintenance-free operation** is obtained through the scroll compressor's innovative technology
- ✓ **Quiet and low vibration** in operation by means of **sound optimized device construction**
- ✓ User-friendly & **innovative regulator Remote Control** for weather data based operation



* **SCOP** (seasonal coefficient of performance)
= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh.

HP Natural Technology **DX/Water** Modulating | **3-10 kW** | **5-15 kW**

HP Natural Technology DX		SNTM 3-10	SNTM 5-15
Heat capacity at E4/W35	kW	10,6	15,8
Heat output modulating - 50% at E4/W35	kW	5,5	7,9
COP at E4/W35		6,2	6,2
Heat capacity at E4/W55	kW	5,8	10,7
SCOP (EN14825) Climate: Average		6,7	6,7
Max. outlet heating temp.	°C	70	70
Acoustic output acc. to EN 12102	dB(A)	51	51
Dimension (H x W x D)	mm	990 x 900 x 550	990 x 900 x 550
Weight	kg	125	126

HP Natural Technology **Sole/Water** Modulating | **3-10 kW** | **5-15 kW**

HP Natural Technology SOLE		SNTM-S 3-10	SNTM-S 5-15
Heat capacity at E4/W35	kW	11,7	17,6
Heat output modulating - 50% at E4/W35	kW	5,9	8,8
COP at E4/W35		5,4	5,7
Heat capacity at E4/W55	kW	6,6	10,4
SCOP (EN14825) Climate: Average		6,0	6,3
Max. outlet heating temp.	°C	70	70
Acoustic output acc. to EN 12102	dB(A)	54	53
Dimension (H x W x D)	mm	1050 x 1010 x 650	1050 x 1010 x 650
Weight	kg	125	135

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HP Natural Technology **DX/Water & Sole/Water**



Ground + Brine



Modulating 3 - 10 kW | 5 - 15 kW

State of the Art!

The Heliotherm Natural Technology ushers a **new era in heat pump technology**. The leading-edge technology is **unrivaled in every aspect!**

As an option the system can be **combined** with a **photovoltaic system**, whereby a total **SCOP of up to 10 can be attained!**

The ground on which you build your home is a **free source of energy**. This highly efficient system proves to have a **best value** for price ratio. Maintain your budget and the environment with the **lowest operating costs** known today with this most reliable ground collector system unique of its kind, making use of free environmental energy.



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The advantages

- ✓ **World's most efficient heat pump technology**
- ✓ **Most Eco-friendly refrigerant** no greenhouse potential
- ✓ **Heating outlet temperature of up to 70 °C** possible, it can also be combined with conventional radiators
- ✓ **Fully modulating technology** - automatic adjustment to the building's energy performance demand
- ✓ **PV-Ready** - with capacity adjustment to the available solar electrical power
- ✓ **Quiet** - sound optimized casing



* **SCOP** (seasonal coefficient of performance)
= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh.



HP Basic Comfort **DX/Water** | **8 kW** | **12 kW** | **20 kW**

HP Basic Comfort DX		HP08E-M-BC	HP12E-M-BC	HP20E-M-BC
Heat capacity at E4/W35	kW	8,1	12,1	20,1
COP at E4/W35		5,7	5,6	5,5
SCOP (EN14825) Climate: Average		5,8	5,9	6,2
Max. outlet heating temp.	°C	65	65	65
Acoustic output acc. to EN 12102	dB(A)	42	43	43
Dimension (H x W x D)	mm	1700 x 600 x 670	1700 x 600 x 670	1700 x 600 x 670
Weight	kg	175	180	185
Evaporator circuit loops	Piece	8	11	18

Reversible Cooling - optional				
Cooling capacity at E15/W18	kW	8,2	12,2	20,3
COP EER at E15/W18		7,8	7,4	7,4
Cooling capacity at E15/W7	kW	8,1	12,1	20,3
COP EER at E15/W7		6,4	6,8	6,1
SEER at E15/W18		6,9	6,7	6,9

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HP Basic Comfort **DX/Water**



Ground



Modulating | 8 kW | 12 kW | 20 kW

The **Heliotherm Basic Comfort DX / Water** heat pump Design adapts automatically to the building's heating requirements and ensures maximum heating and living comfort for the single or multi-family home.

The attractively priced Basic Comfort achieves a solid base for efficient and environmentally friendly heating, domestic hot water and cooling (optional).

The accessible use **of self-generated electricity** from a **photovoltaic system**, allows you to use the energy as efficiently and cost effective as possible. The **possible combinations** of adapting the heat pump to varied buffer storage units and heat distribution systems gives you the **flexibility** needed for planning an ideal heating system. An additional reversible operation in the Sensor Comfort provides in the summer season for a pleasant room climate through **active cooling**.

The advantages

- ✓ High efficiency through innovative **modulation technology**
- ✓ **PV-ready**
▷ Connect-ready to a PV system
- ✓ **No heating element**
▷ no hidden costs
- ✓ Ideal for heating modernization
▷ **simple installation**
- ✓ The **compact design** requires a small space footprint in the heating room
- ✓ Integrated **high efficiency pump A+**



* **SCOP** (seasonal coefficient of performance)
= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh.

HP Complete **Brine / Water 1-9 kW**

HP Complete		Complete 7	Complete 10
Technical data acc. to EN 14825 ΔT5K			
Heat capacity at B0/W35	kW	6,3	8,6
Power input at B0/W35	kW	1,7	2,1
Heat capacity at B0/W55	kW	5,7	7,8
Power input at B0/W55	kW	2,4	2,8
Max. outlet heating temp. at B0	°C	62	62
Back up heating bar	kW	6	6
Refrigerant gas		R410a	R410a
Refrigerant gas capacity	kg	1,8	2,2
SCOP (EN14825) at B0/W35		5,2	5,3
Hot water storage tank	l	185	185
Dimension (H x W x D)	mm	1940 x 700 x 880	1940 x 700 x 880
Weight	kg	300	310

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HP Complete **Brine / Water**



Modulating 7 | 10 kW

The HP Complete is an **all-in-one heat pump system** with an integrated 185 l hot water hygiene buffer storage with minimal external dimensions and **maximum efficiency technology**. It provides you with comfortable warmth and with sufficient hot water at any time. Through **innovative** hot-water stratification technology this unit provides 185 l of hot water within 2 hours and requiring **1.5 kW** of energy.

A boiler room belongs to yesterday! The attractive Complete case conceals everything you need to feel good in heating comfort. **Heating, cooling and domestic hot water system** stands on **0.6 m² of space**, even for smaller living spaces.

The Complete is the result of decades of **research, development and experience**, and proves convincing with best performance values. **SCOP's of more than 5.3** are quite natural. The latest storage buffer technology also minimize standstill losses.

The advantages

- ✓ **PV-Syncro** ▷ optional PV connection to HP Complete
- ✓ **SG-Ready** ▷ ready for intelligent networks
- ✓ Optimum hot water supply 185 l with only 1.5 kW input ▷ **legionella protection function**
- ✓ **Exceptionally quiet** ▷ the acoustic level compares to the modern dishwasher
- ✓ **Worldwide control** via webcontrolAT®
- ✓ Energy efficiency class **A+++** ▷ very economical in operation
- ✓ **High efficiency pumps** ▷ heating and energy source side



* **SCOP** (seasonal coefficient of performance)
= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh.

HP Basic Comfort **Brine / Water** | 8 kW | 12 kW | 20 kW

HP Basic Comfort Brine		HP08S10W-M-BC	HP12S16W-M-BC	HP20S25W-M-BC
Heat capacity at B0/W35	kW	8,5	12,1	20,1
COP at B0/W35		5,0	5,1	4,9
SCOP (EN14825) Climate: Average		5,2	5,3	5,6
Max. outlet heating temp.	°C	65	65	65
Acoustic output acc. to EN 12102	dB(A)	42	45	47
Dimension (H x W x D)	mm	1700 x 600 x 670	1700 x 600 x 670	1700 x 600 x 670
Weight	kg	175	180	185

Reversible Cooling - optional				
Cooling capacity at B10/W18	kW	8,1	12,2	20,4
COP EER at B10/W18		7,9	7,5	7,5
Cooling capacity at B10/W7	kW	8,1	12,0	20,4
COP EER at B10/W7		6,4	6,8	6,1
SEER at B10/W18		7,1	6,8	6,8

HP Basic Comfort **Water / Water** | 10 kW | 16 kW | 25 kW

HP Basic Comfort Water		HP08S10W-M-BC	HP12S16W-M-BC	HP20S25W-M-BC
Heat capacity at W10/W35	kW	10,0	16,2	25,2
COP at W10/W35		6,6	6,8	6,7
SCOP (EN14825) Climate: Average		6,8	7,1	7,2
Max. outlet heating temp.	°C	65	65	65
Acoustic output acc. to EN 12102	dB(A)	40	43	45
Dimension (H x W x D)	mm	1700 x 600 x 670	1700 x 600 x 670	1700 x 600 x 670
Weight	kg	175	180	180

Reversible Cooling - optional				
Cooling capacity at W10/W18	kW	8,1	12,2	20,4
COP EER at W10/W18		7,9	7,5	7,5
Cooling capacity at W10/W7	kW	8,1	12,0	20,4
COP EER at W10/W7		6,4	6,8	6,1
SEER at W10/W18		7,1	6,8	6,8

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HP Basic Comfort **Brine/Water & Water/Water**



Modulating 8 - 25 kW

Choosing the **perfect heating system** is an important decision for the future. The right decision can have a positive effect into the next decades. A Heliotherm heat pump is engineered with the intention of highest efficiency and economic heating.

A **fully modulating Basic Comfort** design heat pump, with leading edge modulation technology automatically adjusts to the home's heating requirements. Centralized to this Seasonal Performance accomplishment is the heat pump's **intelligent control**.

In **combination with a photovoltaic system**, in connection to a wide range of buffer storage units and heat delivery systems and optional cooling virtually **renders unlimited planning** realisation for your heating system. The result is a high accent of indoor climate and maximum living comfort.

The advantages

- ✓ **PV-ready** ▷ Connect-ready to a PV system
- ✓ **SCOP > 5,6 or > 7,2** possible
▷ Maximum subsidies
- ✓ **Continual Monitoring**
▷ refrigerant automatic optimised (RPM)
- ✓ **Quiet operation** ▷ through acoustic decoupling and special insulation design (**TSC**)
- ✓ **Weather compensated** heating control
- ✓ **High efficiency** through innovative **modulation technology**



* **SCOP** (seasonal coefficient of performance)
= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh.

HP Solid **Brine/Water** | 30 kW | 60 kW | 100 kW

WP Solid Sole		30S40W-M-Solid	60S80W-M-Solid	100S120W-M-Solid
Heat capacity at B0/W35	kW	30,1	58,5	91,9
Cooling capacity	kW	24,3	45,3	73,3
Elektrische Leistungsaufnahme	kW	5,9	12,3	18,6
COP at B0/W35		5,2	4,8	4,9
SCOP (EN14825) Climate: Average		5,6	5,9	6,4
Max. outlet heating temp.	°C	62	62	62
Dimension (H x W x D)	mm	720 x 690 x 1610	1210 x 920 x 1700	1210 x 920 x 1700
Weight	kg	220	520	630

Kühlen bei 100%				
Cooling capacity at B10/W18	kW	29,8	59,2	105,5
COP EER at B10/W18		9,3	8,1	7,7
Cooling capacity at B10/W7	kW	30,3	60,9	100,5
COP EER at B10/W7		7,4	6,3	6,6

HP Solid **Water/Water** | 40 kW | 80 kW | 120 kW

WP Solid Wasser		30S40W-M-Solid	60S80W-M-Solid	100S120W-M-Solid
Heat capacity at W10/W35	kW	39,8	79,5	120,5
Cooling capacity	kW	34,2	66,5	101,0
Elektrische Leistungsaufnahme	kW	5,8	13,0	19,5
COP at W10/W35		6,9	6,1	6,2
SCOP (EN14825) Climate: Average		8,4	8,0	8,5
Max. outlet heating temp.	°C	62	62	62
Dimension (H x W x D)	mm	720 x 690 x 1610	1210 x 920 x 1700	1210 x 920 x 1700
Weight	kg	220	520	630

Kühlen bei 100%				
Cooling capacity at W10/W18	kW	29,8	59,2	105,5
COP EER at W10/W18		9,3	8,1	7,7
Cooling capacity at W10/W7	kW	30,3	60,9	100,5
COP EER at W10/W7		7,4	6,3	6,6

⊕ HELIOTHERM FRESH HOT WATER SYSTEM ▷ Page 24

⊕ BUFFER STORAGE ▷ Page 25

⊕ COLD-HOT BUFFER STORAGE ▷ Page 25



RCG X series®



web control®



Optimized refrigerant cycle



dsi-technology

HP Solid **Brine / Water & Water / Water**



Modulating 30 - 120 kW

The comfortable **Sensor Solid M Series large heat pump** adjusts automatically to the building's heating requirements, assuring efficient operation and cost-effective savings.

The Brine / Water & Water / Water heat pump Sensor Solid M Compact Design achieves high heating demands due to its up to 100 kW capacity. An ideal solution for spacious residential **buildings, hotels and commercial buildings**.

The building's greater or lesser heating demand is detected by the ambient temperature. The innovative modulation technology adjusts the heat pump to the required heat output. Therefore, **resulting in higher efficiency and substantial CO₂ savings at minimal energy costs**.



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winner

The advantages

- ✓ Power range **from 30 to 120 kW** for an optimal energy supply in buildings with **increased heat demand**
- ✓ **Maximum efficiency** through fully automatic adjusted heating also in partial load operation
- ✓ Safe and virtually **maintenance-free operation** through the use of innovative scroll compressors
- ✓ **Quiet** and low vibration during operation due **optimized acoustic case** design
- ✓ User friendly and **innovative regulator Remote Control** for weather data based operation



* **SCOP** (seasonal coefficient of performance)
= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh.

Domestic Hot Water Heat Pump **Air**



Air



Energy source: **Air**

The **new Heliotherm DHW heat pump generation** is a heat pump which operates as an Extract Air heat pump or Room Air to and from Air system. A high quality rotary compressor guarantees for a quiet and highly efficient operation. The wide range of applications in connection with an excellent price / performance factor makes this new generation a very good alternative.

- ✓ Suitable as a heat recovery ventilation systems
- ✓ PV-ready
- ✓ Auto ECO-Boost function
- ✓ Legionella prevention cycle
- ✓ Attractive design and easy installation

DHW Heat Pump Air		AIR WT 4	AIR WT -7
Buffer content	l	260	260
Average power input	Wel	370	370
Thermal output	WTh	1600	1900
Supplementary heating	WTh	1500	1500
Heating register		Yes	Yes
Dimensions (Ø x H)	mm	Ø = 600 x H = 2000	Ø = 600 x H = 2000
Weight	kg	120	120
Operating limit	°C	4	-7

Domestic Hot Water Heat Pump **Heating Return Flow**



Domestic Hot Water



Energy source: **Heating Return Flow**

The **Heliotherm Return Flow Heat Pump** obtains the thermal energy from the under floor heating system. The wall mounted DHW heat pump is particularly space saving and efficient. The heat pump is mainly installed in residential units for apartment buildings.

- ✓ **Cooling effect in summer**
- ✓ **High efficiency**
- ✓ **Auto Eco-Boost function**
- ✓ **Legionella prevention continuous circuit**

Heating Return Flow HP		Heating-RF160	Heating-RF260
Buffer content	l	160	248
Average power input	Wel	430	440
Thermal output	WTh	1820	2100
Supplementary heating	WTh	1500	1500
Dimensions (Ø x H)	mm	500 x 1380	650 x 2000
Weight	kg	102	115

Heliotherm Fresh Hot Water System



⊕ HELIO THERM FRESH HOT WATER SYSTEM



Fresh Hot Water System

Crystal clear

Is hygiene and cleanliness particularly important? Yes it is. The Heliotherm fresh hot water system is ideal for families with high expectations. Within seconds heated fresh water flows, and is free from any danger of legionella. Enjoy this safe and comfortable feature and feeling in your home.

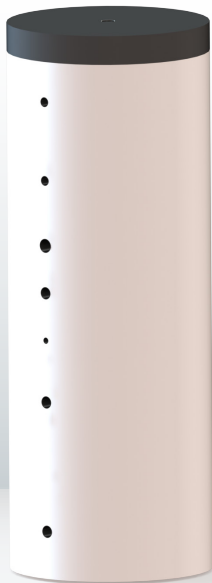
Hygienic and highly efficient

The fresh hot water system and heating water are separate. To avoid any risk of legionella, the water is heated to a max. temperature of 47 °C. No calc flake residue will accumulate and pollute the system. The maintenance free domestic hot water preparation works without any electrical auxiliary heating, resulting in highest energy efficiency. The system is optimized for Heliotherm heat pumps, protects the heat pump and ensures a longer operating life

- ✓ **No electrical auxiliary heating** ▷ no additional immersion heating rod ▷ no hidden costs.
- ✓ Continuous heated water flow hinders bacteria and **protects against legionella.**
- ✓ Always have **ready hot fresh water**, without storing water.
- ✓ **Long system life** and **high reliability** with Heliotherm high quality components
- ✓ **Able to connect:** solar systems, heating systems, thermometers, sensors, etc.
- ✓ **Always have ready fresh hot water** for the entire family.

Buffer		ZH-FS3101	ZH-FS5101	ZH-FS9101	ZH-FS15101	ZH-KS500	ZH-KS900
Capacity	l	300	472	805	1.500	377 (95)	600 (300)
High flow capacity up to	l/min	22	22	30	40-80	22	22
Weight	kg	80	111	165	246	117	183
Dimensions (Ø x H)	mm	660 x 1900	760 x 1930	990 x 1990	1340 x 1920	760 x 1930	990 x 1865

Buffer Storage



⊕ BUFFER STORAGE

Heliotherm buffer storage type 300 | 500 | 850 liter
Hard foam insulation, without inner coating;

Buffer Storage		Type 300	Type 500	Type 850
Storage	l	300	472	805
Dimensions (Ø x H)	mm	660 x 1900	760 x 1930	990 x 1990
Tilted dimension	mm	2011	2080	2095
Weight	kg	80	111	165

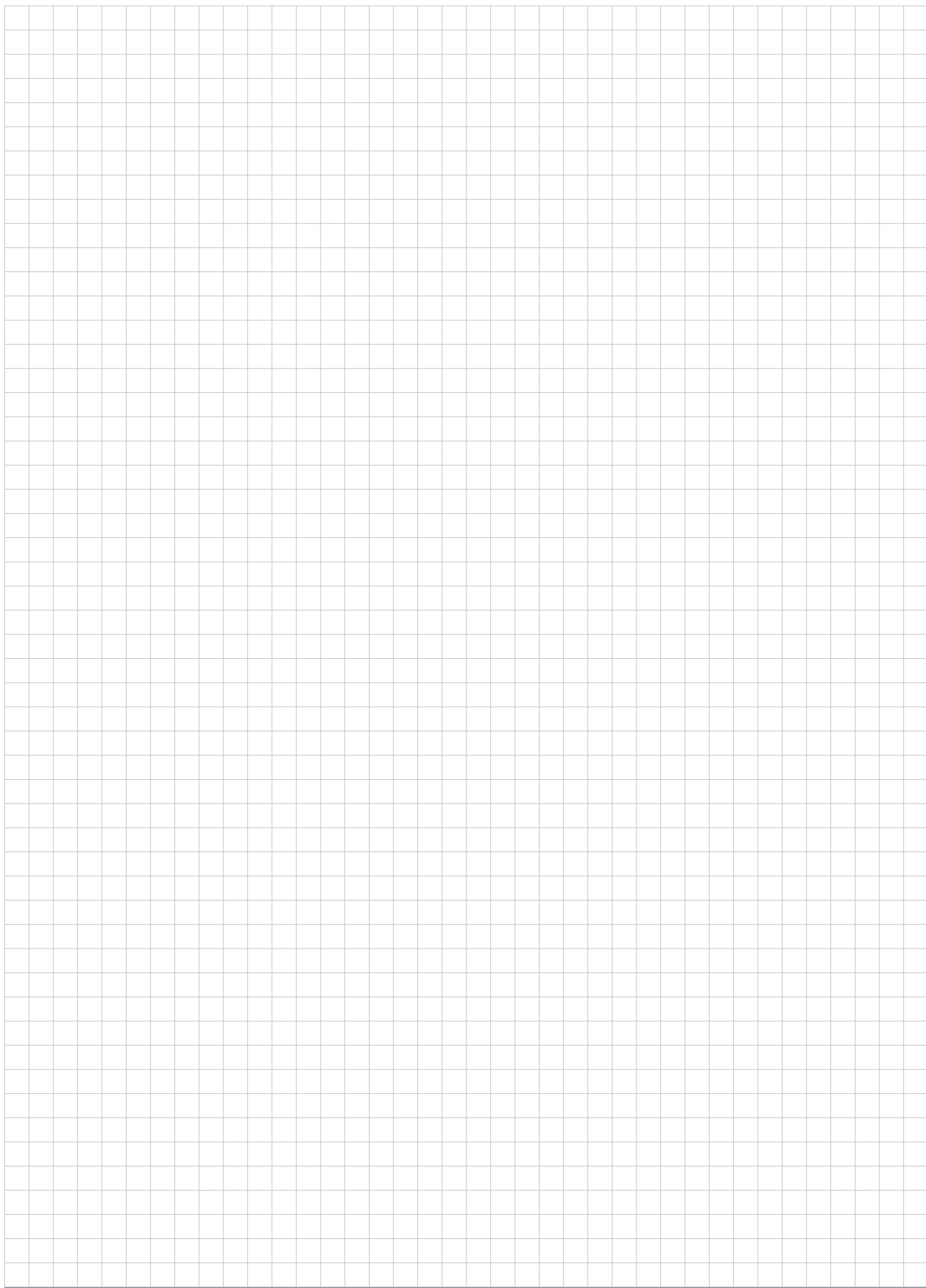
Cold-Hot Buffer Storage

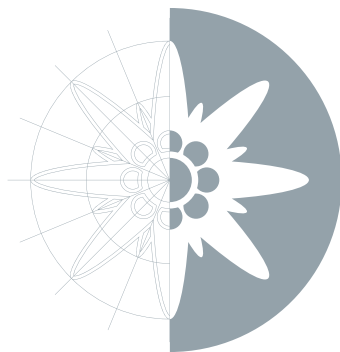


⊕ COLD-HOT BUFFER STORAGE

Heliotherm cold-hot buffer storage Typ 200 | 400 | 500 liter
with soft foam insulation;

Cold-Hot Buffer Storage		Type 200	Type 400	Type 500
Storage	l	200	400	500
Dimensions (Ø x H)	mm	600 x 1232	670 x 1834	750 x 1740
Tilted dimension	mm	1310	1890	1830
Weight	kg	118	136	170





Your Way to **Independence.**

Heliotherm Wärmepumpentechnik Ges.m.b.H.
Sportplatzweg 18 6336 Langkampfen Austria
Tel. +43 (0)5332 87496-0 info@heliotherm.com
www.heliotherm.com

The **quietest**
air heat pump
on the market!

18
DECIBEL



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A+++
ENERGY

3
m

2
m

1
m

32
dB

23
dB

18
dB

Perception limit
20 dB

* The AIF-independent testing laboratory measured a 40.1 dB acoustic output, at a COP 5.3 (HP12L-M-BC 12 kW heat output).