HELIOTHERM
The Heat Pump

PRODUCT HIGHLIGHTS

Your way to **independence**

HELIOTHERM
The Heat Pump

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

BEST IN CLASS
SCOP
6.7
World's most efficient ground source HP

A+++
ENERGY

reddot award 2016
winner

Natural Technology

Your way to **independence**

CONTENT

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 too 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 web**controlAT**® 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 occuring 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 web**controlAT**® 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 web**controlAT**® 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 equiped with an active W-LAN. This type of network can build the connection between the Heliotherm heat pump and the web**controlAT**® 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 web**controlAT**® 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.

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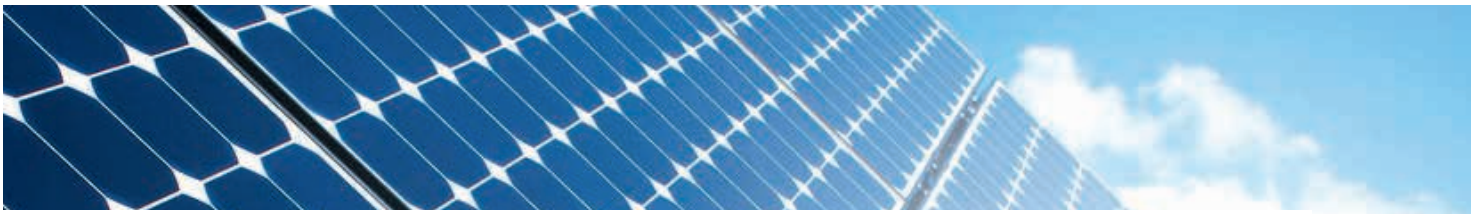
Comfort Compact **Air** HP – Modulating | **8 kW** | **12 kW** | **18 kW**

HIGHLY EFFICIENT
COP* 5,1
INNOVATIVE MODULATING TECHNOLOGY

Comfort Compact	Unit	**S08L**-M-CC	**S12L**-M-CC	**S18L**-M-CC
Heat output at A7/W35*	kW	4,6	7,0	9,6
COP at A7/W35		5,0	5,1	5,0
Heat output at A2/W35*	kW	5,8	9,3	13,4
COP at A2/W35		4,2	4,3	4,1
Heat output at A-7/W35*	**kW**	**8,3**	**12,1**	**17,6**
COP at A-7/W35		3,2	3,2	3,0
Max. heat outlet temp.	°C	62	62	62
Dimensions (H x W x D)	cm	170 x 90 x 59	183,5 x 105,5 x 100	183,5 x 105,5 x 100
Weight	kg	215	256	262
Reversible cooling (optional)	Unit	**R**EV08	**R**EV12	**R**EV18
Cooling capacity at A35/W18	kW	8,2	11,0	13,8
EER at A35/W18		4,0	4,2	4,0
Cooling capacity at A35/W7	kW	7,1	9,0	11,9
EER at A35/W7		3,6	3,6	3,7
SEER at A35/W18		6,0	5,7	6,1



Comfort Compact **Air** HP **COP-Booster** – Modulating | **12 kW** | **18 kW**

CC PV-COP-Booster*	Unit	**AF-S12**-CC-PV	**AF-S18**-CC-PV
Max. heat outlet temp.	°C	55	55
Max. heat output – 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
Independence Packages**	Unit	**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**			

* Manufacturer's instructions and test conditions

**Packages are also available as retrofit packages for our customers*

*** COP** (**c**oeffizient **o**f **p**erformance)
= The current coefficient of performance (COP) of a heat pump is the ratio of heat output to power input.

Comfort Compact **Air** HP

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.

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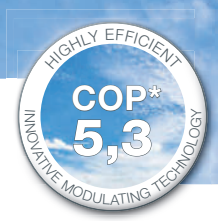
The advantages

- **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**
- **Unrivaled silent unit** ▷ confirmed acoustic tests from the **AIT** - A/O 11. 04. 201

Basic Comfort **Air** HP – Modulating **8 kW | 12 kW | 20 kW**



Basic Comfort	Unit	**HP08L**-M-BC	**HP12L**-M-BC	**HP20L**-M-BC
Heat output at A7/W35	kW	4,8	7,3	11,6
COP at A7/W35		5,3	5,3	5,2
Heat output at A2/W35	kW	6,0	9,5	15,5
COP at A2/W35		4,3	4,2	4,2
Heat output at A-7/W35	**kW**	**8,3**	**12,2**	**18,5**
COP at A-7/W35		3,3	3,3	3,1
Max. heat outlet temp.	°C	62	62	62
Dimensions (H x W x D)	cm	170 x 60 x 67	170 x 60 x 67	170 x 60 x 67
Weight	kg	175	180	185
Reversible cooling (optional)	Unit	**R**EV08	**R**EV12	**R**EV18
Cooling capacity at A35/W18	kW	10,3	12,2	18,2
EER at A35/W18		4,2	4,4	4,2
Cooling capacity at A35/W7	kW	10,0	12,3	18,1
EER at A35/W7		3,8	3,7	3,9
SEER at A35/W18 (EN 14825)		6,3	5,9	6,2

web control®

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Optimized refrigerant cycle

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*** COP** (**c**oeffizient **o**f **p**erformance)
= The current coefficient of performance (COP) of a heat pump is the ratio of heat output to power input.

Basic Comfort **Air** HP

Modulating | 8 kW | 12 kW | 20 kW

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).

Whether the building project is a new construction or refurbishment, the air heat pump in split design economizes through a low energy source, low installation development costs but also foot space in the heating room. Granted, it's easy and clear to install in small plots of land, the inexhaustible and free source of energy which is always available and everywhere.

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.

Active cooling is an additional reversible operation in the Sensor Comfort Split heat pump that provides for pleasant room climate temperatures during the summer season.

The advantages

- High efficiency through innovative **modulation technology**
- **No heating element** ▷ no hidden costs
- Ideal for heating system upgrade ▷ **easy installation**
- **Compact design** is small foot space requirement in the heating room
- Integrated **high efficiency pump A+**
- **Reliable Quality** – Made in Austria

Web Control **Air** HP – Modulating **8 kW** | **12 kW** | **20 kW**

Web Control	Unit	**HP08L**-M-WEB	**HP12L**-M-WEB	**HP20L**-M-WEB
Heat output at A7/W35	kW	4,8	7,3	11,6
COP at A7/W35		5,3	5,3	5,2
Heat output at A2/W35	kW	6,0	9,5	15,5
COP at A2/W35		4,3	4,2	4,2
Heat output at A-7/W35	**kW**	**8,3**	**12,2**	**18,8**
COP at A-7/W35		3,3	3,3	3,2
Max. heat outlet temperature	°C	62	62	62
Dimensions (H x W x D)	cm	142 x 55 x 63	142 x 55 x 63	142 x 55 x 63
Weight	kg	156	159	165

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*** COP** (**c**oeffizient **o**f **p**erformance)
= The current coefficient of performance (COP) of a heat pump is the ratio of heat output to power input.

Web Control **Air** HP

Modulating | 8 kW | 12 kW | 20 kW

The air source heat pump in split design, is space saving and simple to install both for a **renovated** and **new buildings.** The split system enables installation in small land property using the free and inexhaustible environmental energy for heating and cooling of your home. Heliotherm's split air source heat pump brings a fresh breeze to your operating cost budget and your indoor climate.

The Heliotherm air source heat pump is undisputed and convincing through a number of advantages: No danger of frozen heating pipes, shorter de-frost cycles, rendering economical and quiet operation with Heliotherm's modulating technology and optimised fan technology. Lower initial and installation costs and no special installation pre-approval permits required, makes the air source - split design heat pump particularly attractive.

The **significantly quiet** Outdoor Evaporator guarantees efficient and optimized fan function technology for a friendly neighborhood climate.

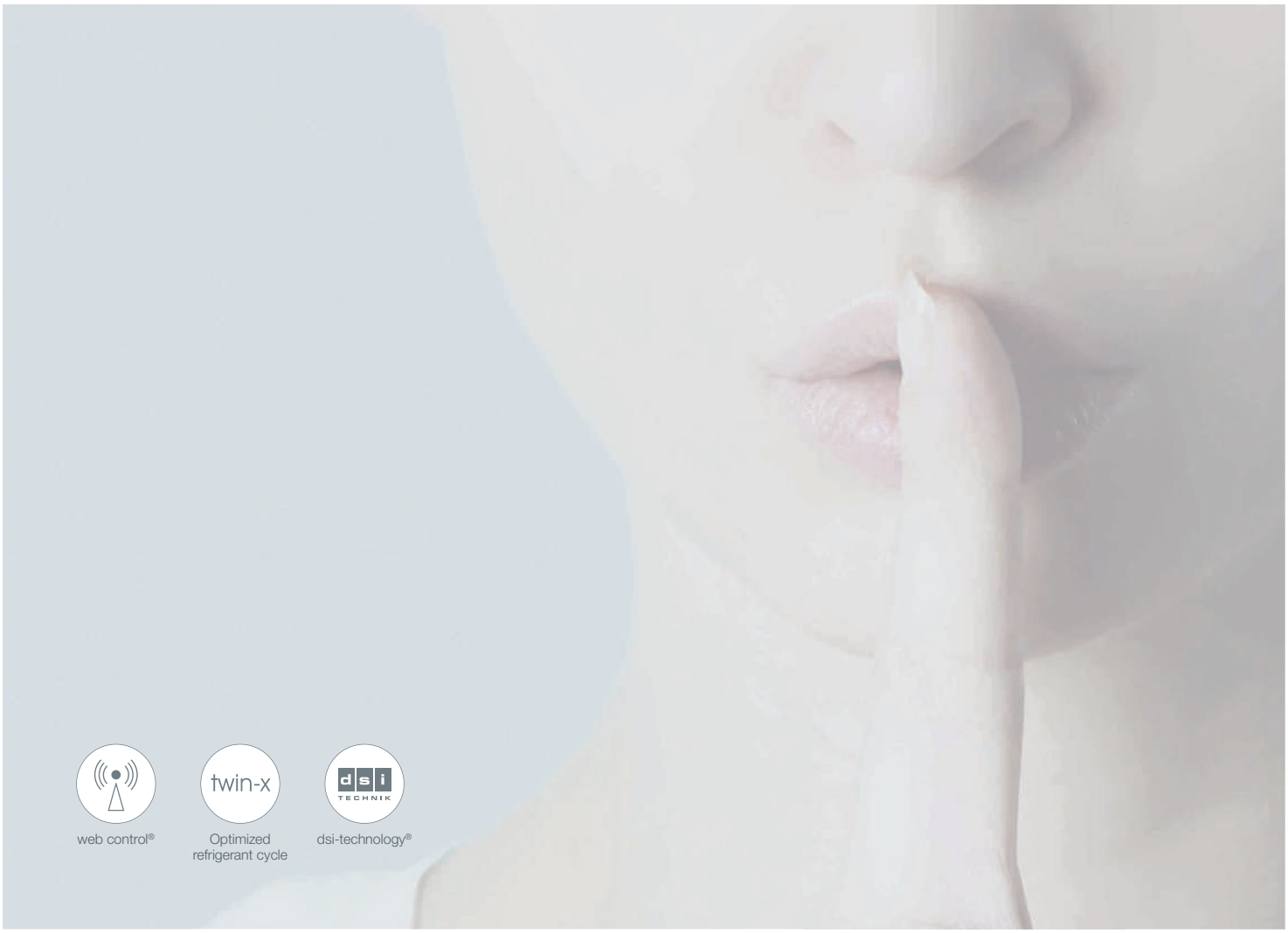
The advantages

- **Highest energy efficiency of all air heat pumps available on the market in its class**
- Even at lower outside temperatures **problem free heating is sustained**
- **PV-ready** ▷ connect-ready to a PV system
- Ideal for heating system upgrade ▷ **easy installation**
- The cooling circuit is permanently by means of **special Sensors** monitored ▷ **Increased operational safety**

Silent Source **Outdoor Evaporator** – Modulating | Standing Unit | Wall Mount

Silent Source Standing unit	Unit	**HPS60**	**HPS80**	**HPS120**
Acoustic output acc. EN 12102	**dB(A)**	**40**	**40**	**46**
Application range	°C		*-25 bis +45*	
Design type			*Fin evaporator*	
Dimensions (H x W x D)	cm	97 x 99 x 84	126 x 102 x 96	151 x 105 x 114
Weight	kg	120	130	180

Silent Source W (wall mount)	Unit	**HPS60**-W	**HPS80**-W
Acoustic output acc. EN 12102	**dB(A)**	**40**	**40**
Application range	°C		*-25 bis +45*
Design type			*Fin evaporator*
Dimensions (H x W x D)	cm	109 x 89 x 59	120 x 104 x 62
Weight	kg	90	128



Silent Source **Outdoor Evaporator**

Modulating | Standing Unit | Wall Mount

Heliotherm Silent Source!

Quiet as a whisper - the quietest heat pump system on the market!
Real warmth you can feel - not hear!

The **Heliotherm outdoor evaporator** works efficiently and surely belongs to the **most efficient** and **quietest** unit of its kind. Whether your building project is to refurbish or you are planning a new building, the outdoor evaporator is space-saving, safe attractively designed and easy to install. 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

- **Quietest evaporator** on the market
- **Sound level 18 dB** (3 meters distance), 40 dB (A) directly to unit
- Aerodynamically optimized airflow **reduces turbulence**
- Maximum **efficiency**
- **Trendsetting innovative design**
- **Award winning design**
  ▷ customized surface (optional)

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Sensor Solid Split **Air** HP – Modulating | **30 kW** | **40 kW** | **55 kW**

Sensor Solid Split	Unit	S30L-M-Solid	S40L-M-Solid	S55L-M-Solid
Heat output at A2/W35	kW	30,3	43,6	60,5
COP A2/W35		4,3	4,4	4,3
Heat output at A-10/W35	kW	27,7	38,6	55,3
SCOP (EN14825)		**5,2**	**5,0**	**5,2**
Max. heat outlet temp.	°C	62	62	62
Indoor unit dimensions (H x W x D)	cm	160 x 69 x 72	160 x 69 x 72	170 x 91 x 120
Outdoor unit dimensions (H x W x D)	cm	151 x 200 x 114	151 x 200 x 114	151 x 296 x 114
Indoor unit acoustic output (EN12102)	dB(A)	42	42	42
Outdoor unit acoustic output (EN12102)	dB(A)	48	48	48
Weight – Indoor Unit	kg	210	350	380
Weight – Outdoor Unit	kg	281	281	455

Reversible cooling (optional)	Unit	S30L-M-Solid	S45L-M-Solid	S55L-M-Solid
Cooling capacity at A35/W18	kW	28,0	46,0	56,9
EER at A35/W18		4,2	4,2	4,2
Cooling capacity at A35/W7	kW	28,2	43,7	56,4
EER at A35/W7		4,1	4,0	4,1
SEER at A35/W18 (EN 14825)		6,5	6,2	6,5

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*** SCOP** (**s**easonal **c**oeffizient **o**f **p**erformance)
= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh.

Solid **Split Air** HP

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 CO_2 savings at minimal energy costs.**

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

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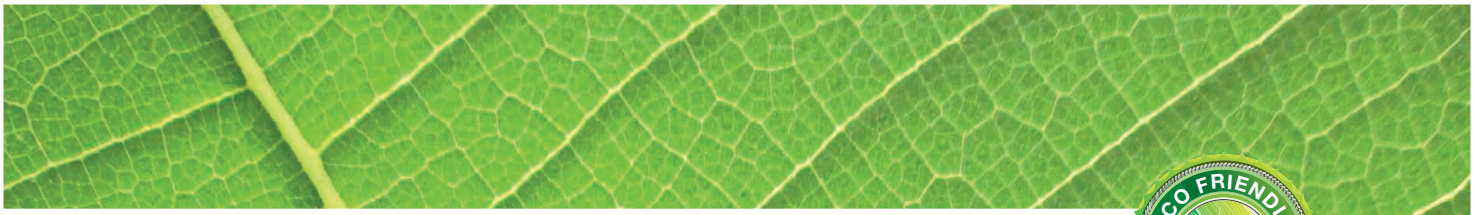
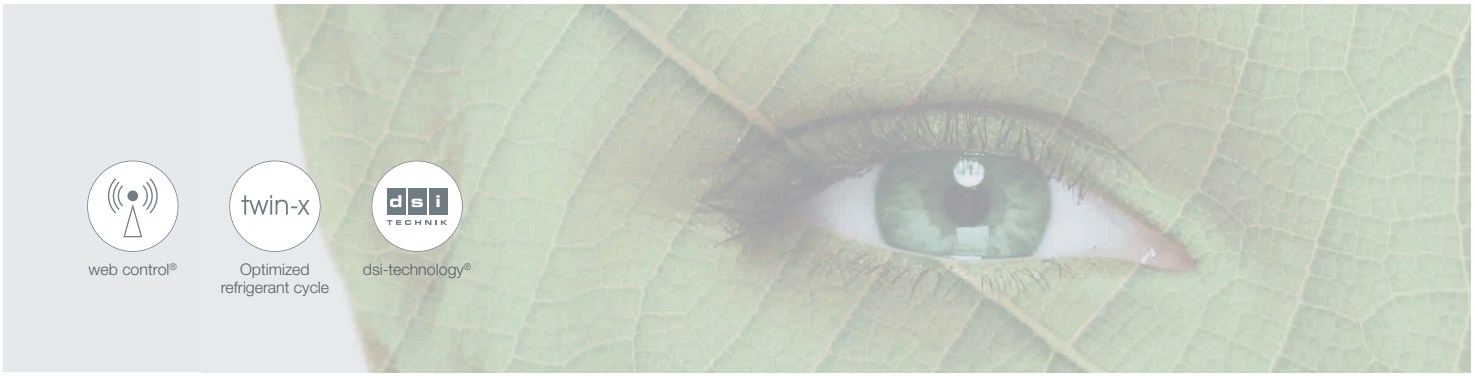


Natural Technology **DX** HP – Modulating | **3-10 kW** | **5-15 kW**

Natural Technology DX	Unit	**SNTM** 3-10	**SNTM** 5-15
Max. Heat output at E4/W35	kW	10,6	15,8
Heat output modulating - 50% (E4/W35)	kW	5,5	7,9
COP (E4/W35)		**6,15**	**6,18**
Heat outlet at E4/W55	kW	5,81	10,68
SCOP (EN14825) Climate: Average		**6,67**	**6,70**
Max. heat outlet temp.	°C	70	70
Acoustic output acc. to EN 12102	dB(A)	51	51
Dimensions (H x W x D)	cm	99 x 90 x 55	99 x 90 x 55
Weight	kg	125	126

Natural Technology **Brine** HP – Modulating | **3-10 kW** | **5-15 kW**

Natural Technology BRINE	Unit	**SNTM-S** 3-10	**SNTM-S** 5-15
Max. Heat output (B0/W35)	kW	11,7	17,6
Heat output modulating - 50% (B0/W35)	kW	5,9	8,8
COP (B0/W35)		**5,4**	**5,7**
Heat outlet at B0/W55	kW	6,6	10,4
SCOP (EN14825) Climate: Average		**6,02**	**6,31**
Max. heat outlet temp.	°C	70	70
Accoustic output acc. to EN 12102	dB(A)	54	53
Dimensions (H x W x D)	cm	105 x 101 x 65	105 x 101 x 65
Weight	kg	125	135



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

Natural Technology **DX** & **Brine** HP

Modulating 3 - 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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winner

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

Basic Comfort **Brine** HP – Modulating | **8 kW** | **12 kW** | **20 kW**

Basic Comfort	Unit	**HP08E**-M-BC	**HP12E**-M-BC	**HP20E**-M-BC
Heat output 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. heat outlet temp.	°C	65	65	65
Acoustic output	dB(A)	42	43	43
Dimensions (H x W x D)	cm	170 x 60 x 67	170 x 60 x 67	170 x 60 x 67
Weight	kg	175	180	185
Evaporator loops	St.	8	11	18

Active cooling (optional)	Unit			
Cooling capacity at E15/W18	kW	8,2	12,2	20,3
EER at E15/W18		7,8	7,4	7,4
Cooling capacity at E15/W7	kW	8,1	12,1	20,3
EER at E15/W7		6,4	6,8	6,1
SEER at E15/W18		6,9	6,7	6,9

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HELIOTHERM
The Heat Pump

Basic Comfort **Brine** HP

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

- **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+**

Basic Comfort **Brine** HP – Modulating **8 kW | 12 kW | 20 kW**

HIGHLY EFFICIENT SCOP* 5,6 INNOVATIVE MODULATING TECHNOLOGY

Basic Comfort	Unit	HP**08S**10W-M-BC	HP**12S**16W-M-BC	HP**20S**25W-M-BC
Heat output at B0/W35	kW	8,5	12,1	20,1
COP at B0/W35		5,0	5,1	4,9
SCOP (EN14825) Climate zone medium		**5,2**	**5,3**	**5,6**
Max. heat outlet temp.	°C	65	65	65
Acoustic output	dB(A)	42	45	47
Dimensions (H x W x D)	cm	170 x 60 x 67	170 x 60 x 67	170 x 60 x 67
Weight	kg	175	180	185
Active cooling (optional)	Unit			
Cooling capacity at B10/W18	kW	8,1	12,2	20,4
EER at B10/W18		7,9	7,5	7,5
Cooling capacity at B10/W7	kW	8,1	12,0	20,4
EER at B10/W7		6,4	6,8	6,1
SEER at B10/W18		7,1	6,8	6,8

Basic Comfort **Water** HP – Modulating **10 kW | 16 kW | 25 kW**

HIGHLY EFFICIENT SCOP* 7,3 INNOVATIVE MODULATING TECHNOLOGY

Basic Comfort	Unit	HP**08S10**W-M-BC	HP**12S16**W-M-BC	HP**20S25**W-M-BC
Heat output at W10/W35	kW	10,0	16,2	25,2
COP at W10/W35		6,6	6,8	6,7
SCOP (EN 14825) Climate zone medium		**6,8**	**7,1**	**7,3**
Max. heat outlet temp.	°C	65	65	65
Acoustic output	dB(A)	40	43	45
Dimensions (H x W x D)	cm	170 x 60 x 67	170 x 60 x 67	170 x 60 x 67
Weight	kg	175	180	185
Reversible cooling (optional)	Unit			
Cooling capacity at W10/W18	kW	8,1	12,2	20,4
EER at W10/W18		7,9	7,5	7,5
Cooling capacity at W10/W7	kW	8,1	12,0	20,4
EER at E15/W7		6,4	6,8	6,1
SEER at W10/W18		7,1	6,8	6,8

*** SCOP** (**S**easonal **C**oeffizient **O**f **P**erformance)
=The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh

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

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 > 7,3** or **5,6** possible
  ▷ Maximum subsidies
- **Continual Monitoring**
  ▷ refrigerant automatic optimised (RPM)
- **Quiet operation** ▷ through acoustic decoupling and special insualtion design (**TSC**)
- **Weather compensated** heating control
- **High efficiency t**hrough innovative **modulation technology**

Web Control **Brine** HP – Modulating **8 kW | 12 kW | 20 kW**

HIGHLY EFFICIENT SCOP* 5,6 INNOVATIVE MODULATING TECHNOLOGY

Web Control Brine	Unit	HP**08**S10W-M-WEB	HP**12**S16W-M-WEB	HP**20**S25W-M-WEB
Heat output at B0/W35	kW	3 - 8,5	4 - 12,1	5 - 20,1
COP at B0/W35		5,0	5,1	4,9
SCOP (EN14825) Climate zone medium		**5,2**	**5,3**	**5,6**
Max. heat outlet temp.	°C	65	65	65
Acoustic output	dB(A)	47	47	50
Dimensions (H x W x D)	cm	142 x 55 x 63	142 x 55 x 63	142 x 55 x 63
Weight	kg	155	160	175

Web Control **Water** HP – Modulating **10 kW | 16 kW | 25 kW**

HIGHLY EFFICIENT SCOP* 7,3 INNOVATIVE MODULATING TECHNOLOGY

Web Control Water	Unit	HP**08**S10W-M-WEB	HP**12**S16W-M-WEB	HP**20**S25W-M-WEB
Heat output at W10/W35	kW	10,0	16,2	25,2
COP at W10/W35		6,6	6,8	6,7
SCOP (EN14825) Climate zone medium		**6,8**	**7,1**	**7,3**
Max. heat outlet temp.	°C	65	65	65
Acoustic output	dB(A)	51	52	53
Dimensions (H x W x D)	cm	142 x 55 x 63	142 x 55 x 63	142 x 55 x 63
Weight	kg	155	160	175

web control®

Optimized refrigerant cycle

dsi-technology®

*** SCOP** (**S**easonal **C**oeffizient **O**f **P**erformance)
= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh

Web Control **Brine** & **Water** HP

Modulating 8 - 25 kW

The Heliotherm modulating **groundwater and brine heat pumps** achieve the highest test bench values of any heat pump ever tested. A fully modulating water and brine heat pump with leading edge modulation technology.

Whether the building project is a **new construction or refurbishment,** the Heliotherm Web Control groundwater or brine heat pump proves to be a state-of-the-art technology, simple to install and takes less foot space in the heating room.

Centralized to this Seasonal Performance accomplishment is the heat pump's **intelligent control.** Where the leading edge **modulation technology automatically adjusts** to the building's energy requirement and conditions: At higher outside temperatures the heating requirement decreases.

The heat pump automatically **reduces the consumption power** and thus the **energy requirement.**

The advantages

- **PV-ready**
  ▷ Connect-ready to a PV system
- **SCOP > 7,3** or **5,6** possible
  ▷ Maximum subsidies
- **Continual Monitoring**
  ▷ refrigerant automatic optimised **(RPM)**
- **Quiet operation** ▷ through acoustic decoupling and special insualtion design **(TSC)**
- **Weather compensated** heating control
- **High efficiency** through innovative **modulation technology**

Sensor Solid **Brine** HP – Modulating | **30 kW** | **60 kW** | **100 kW**

HIGHLY EFFICIENT SCOP* 6,4 INNOVATIVE MODULATING TECHNOLOGY

Sensor Solid Brine	Unit	**30S**40W-M-Solid	**60S**80W-M-Solid	**100S**120W-M-Solid
Heat output at B0/W35	kW	30,1	58,5	91,9
Cooling capacity	kW	24,3	45,3	73,3
Power input	kW	5,9	12,3	18,6
COP at B0/W35		**5,2**	**4,8**	**4,9**
SCOP		5,6	5,9	6,4
Heat outlet temp.	°C	62	62	62
Dimensions (H x W x D)	cm	72 x 69 x 161	121 x 92 x 170	121 x 92 x 170
Performance data - cooling at 100%	Unit	**30S**40W-M-Solid	**60S**80W-M-Solid	**100S**120W-M-Solid
Cooling capacity at B10/W18	kW	29,8	59,2	105,5
EER at B10/W18		9,3	8,1	7,7
Cooling capacity at B10/W7	kW	30,3	60,9	100,5
EER at B10/W7		7,4	6,3	6,6
Weight	kg	220	520	630

Sensor Solid **Water** HP – Modulating | **40 kW** | **80 kW** | **120 kW**

HIGHLY EFFICIENT SCOP* 8,5 INNOVATIVE MODULATING TECHNOLOGY

Sensor Solid Water	Unit	30S**40W**-M-Solid	60S**80W**-M-Solid	100S**120W**-M-Solid
Heat output at W10/W35	kW	39,8	79,5	120,5
Cooling capacity	kW	34,2	66,5	101,0
Power input	kW	5,8	13,0	19,5
COP (W10/W35)		**6,9**	**6,1**	**6,2**
SCOP		8,4	8,0	8,5
Heat outlet temp.	°C	62	62	62
Dimensions (H x W x D)	cm	72 x 69 x 161	121 x 92 x 170	121 x 92 x 170
Performance data - cooling at 100%	Unit	30S**40W**-M-Solid	60S**80W**-M-Solid	100S**120W**-M-Solid
Cooling capacity at W10/W18	kW	29,8	59,2	105,5
EER at W10/W18		9,3	8,1	7,7
Cooling capacity W10/W7	kW	30,3	60,9	100,5
EER at W10/W7		7,4	6,3	6,6
Weight	kg	220	520	630

*** SCOP** (**s**easonal **c**oeffizient **o**f **p**erformance)
= The ratio of the annual heat output for room heating, DHW heating in kWh and the required electrical drive energy in kWh.

Sensor Solid **Brine** & **Water** HP

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**.

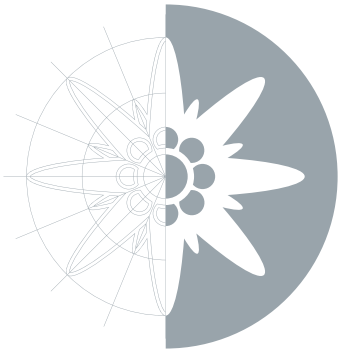
The building's greater or lesser heating demand is detected by the ambient temperature. The innovative modulation technology adjusts the heat pump to the required heat output. Therefore, **resulting in higher efficiency** and **substantial CO_2 savings at minimal energy costs**.

reddot award 2016
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

NOTES



Your way to **independence**

HELIOTHERM
The Heat Pump

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

18 DECIBEL

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

A+++ ENERGY

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Silent Source OE outdoor evaporator

Your way to **independence**