

HELIO THERM

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Highlights

Premium Heat Pumps

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IN HARMONY
WITH NATURE

Our world is in a transition out of the age of fossil fuels, this energy development is in full swing. More and more people are aware that sustainability is key to our future.

Heliotherm Heat Pumps is an active contributor of sensible and highly efficient renewable energies.

A DIFFERENT
QUALITY OF LIFE

Our comprehensive product range, is a straightforward method of efficient heating, cooling and domestic hot water supply. Our heat pump products use the energy sources of air, ground, and water; they offer an optional or standard cooling function for particularly hot summer days. Enjoy pleasant ambient temperatures without drafts or noise. Feel the home living comfort in the quiet operation and seamless integration into your existing heating system, be an underfloor or wall heating. Discover the future of heating with Heliotherm Heat Pumps - efficient, comfortable and environmentally friendly!



WHERE CAN I GET A HELIO THERM HEAT PUMP?

A certified trained heat pump installation partner can assist you with information, planning your heat pump system.

Meaning: expert advice, professional installation, smooth commissioning and first-class service is guaranteed. We want you to be able to take full advantage of our heat pump technology from day one. Find the expert partner in your region now at: www.heliotherm.com.

STATE SUBSIDIES FOR YOUR HEAT PUMP!

Governments in **Austria**, **Germany** and **Switzerland** support with various subsidies new heat pump installations and the renovation of old heating systems. Depending on the local energy supplier and your place of residence, the available subsidies and their conditions can vary in each country. Your Heliotherm Competence Partner can assist and advise you on the available subsidy options in your region.

YOUR RELIABLE CHOICE FOR FIRST-CLASS HEAT PUMPS

Heliotherm is a leading heat pump manufacturer in Europe. The company was founded in 1987 by managing director Andreas Bangheri, the headquarters is based in Langkampfen since 2007, in the Austrian state of Tyrol. Alongside the company's substructure, is the unique research and development center, with its own endurance test bench and climate chamber. The **"Made in Austria"** product quality label is achieved and continuously sets new standards.

The highly effective heat pump systems use the free stored energy in Nature such as the ambient air, water and ground for

heating, cooling and domestic hot water preparation. The Heliotherm patented technology, result in high efficiency performance installations, hence the system is entitled to **maximum funding**.

Now is the right time to switch to a sustainable energy heat pump solution. Counteracting the rising trend of high heating operating costs, high oil prices and general climate change. Heliotherm is an innovative heat pump pioneer, thus it stands in the company of more than 60,000 satisfied customers throughout Europe.

HEAT AND COOL WITH NATURE'S SUPERPOWER

Compared to conventional heating solutions, **heat pumps** obtain around 80% of their natural energy from sources such as air, ground and water. Only the remaining 20%, is supplied by electricity, which can be generated by a photovoltaic system. The heat pump does not cause CO² emissions, it is essentially environmentally friendly.



The right choice for your home!

Heliotherm Heat Pumps



Timeless customized design

Our heat pumps impress not only with their exceptional performance, but also with an attractive design, enhanced by individual design options.

Quality “Made in Tyrol”

Experience the highest Austrian quality standards with products that are developed and manufactured in Tyrol.

Expert maintenance support

Our extensive network of expert partners ensure that you experience professional support, technical advice, installation and maintenance.

HELIO THERM IS MUCH MORE THAN JUST A HEATING SYSTEM

Heliotherm is not just a conventional heating system - it is a conceptual system that aims for higher efficiency and much more! In addition to the standard heating functions of cooling and domestic hot water preparation, Heliotherm offers a variety of options to increase your home living comfort and maximize the energy efficiency.

Broaden your energy independence by combining a Heliotherm heat pump with a photovoltaic system, a brilliant choice using your own energy. Whether at home or on the go, through the internet connection you have control over your heating system anytime and anywhere. In connection to the building management systems, your home is managed even more intelligently and efficiently.

That's not all - Heliotherm also enables bivalent operation with other heat sources, increasing the efficiency and offering an optimal solution for every situation.



Sustainability and environmental protection

Choose an environmentally friendly heating solution with the use of natural refrigerants and options for integration into renewable energy systems such as PV systems.

Comprehensive product portfolio

A product for every requirement: whether air, brine, groundwater heat pumps or direct evaporation systems – Heliotherm offers tailor-made solutions to your specific needs.

Very quiet operation

Maximum living comfort, enjoy the silence in your home with our innovatively silent source designed heat pumps, committed to quiet operation.

Unmatched efficiency

Benefit from the exceptional efficiency of our heat pump technology, while reducing energy costs. The spotlight is on the **R290** air compact heat pump with a SCOP of 5.7.



Air Compact Heat Pump

Comfort Compact R290

7 kW . 10 kW . 15 kW . 18 kW



Highly efficient
and eligible for maximum funding

Environmentally friendly Propane refrigerant
with no global warming potential

Integrated active cooling
optimal tempered rooms all year round

Heat outlet temperatures of up to 72 °C possible
can be combined with conventional radiators

Photovoltaic connection
- free solar power with your PV system



Powerful, quiet, & sustainable!
A green heat supply for your home.

Our fully modulating Comfort Compact Air R290 Heat Pump dovetails the environmentally friendly working fluid to an ideal and efficient heating solution for the single and multi-family home. The direct system uses the free ambient air energy, ensuring warmth for your living comfort all year round, by heating in winter and cooling in summer. Experience longevity and weather resistance in its finest form: the aesthetic featured technology in Heliotherm heat pump products consists of high-quality materials. Each heat pump is expertly processed, assuring a long service life, encased by a weather resistant aesthetic design, truly a reliable solution for the future.



Natural and eco-friendly refrigerant!

Propane is a natural refrigerant that is free of fluorocarbons (HFCs) and therefore does not contribute to the depletion of the earth's ozone layer. It significantly contributes to lessen the greenhouse effect, than conventional refrigerants. The use of this natural refrigerant in heat pumps sees high performance levels, safety and reliability. Innovative sensor technology continuously monitors the refrigeration circuit, to detect a problem and maximize operational safety.

The integrated active cooling feature allows full control of your heating system. Enhanced with the flexible combination of photovoltaic systems, various storage and heat distribution systems. Our R290 Comfort Compact Air Heat Pump impresses with its stepless, fully automatic performance control for particularly high seasonal performance. The operating sound remains exceptionally low through the owl-silent-effect fan technology and sound optimized case construction. The CC R290 further contributes to the transition of decarbonisation of home heating.

Comfort Compact R290 Heat Pump			SNT07L-M-R-CC	SNT10L-M-R-CC	SNT15L-M-R-CC	SNT18L-M-R-CC
Heat output range EN14825		kW	2,6 - 7,0	3,5 - 10,8	5,3 - 15,9	6,3 - 18,5
A12/W24	Heat output	kW	3,2	5,0	7,5	8,5
	COP	COP	9,5	9,5	9,5	9,5
A7/W27	Heat output	kW	2,6	3,6	5,3	6,3
	COP	COP	7,4	7,3	7,4	7,3
A2/W30	Heat output	kW	3,8	5,4	8,1	9,7
	COP	COP	5,6	5,4	5,6	5,4
A-7/W34	Heat output	kW	6,1	8,8	13,2	15,8
	COP	COP	3,5	3,5	3,5	3,5
A-10/W35	Heat output	kW	6,9	10,1	14,9	17,8
	COP	COP	3,1	3,1	3,1	3,1
SCOP* EN14825 climate zone medium			5,7	5,6	5,7	5,6
Energy efficiency class (35°)			A+++	A+++	A+++	A+++
Acoustic power acc. EN12102		dB(A) 4	44	44	47	49
Refrigerant			R290	R290	R290	R290
GWP-Value			3	3	3	3
Max. heat outlet temperature		°C	72	72	72	72
Electric power heating backup		kW	6 (optional)	6 (optional)	6 (optional)	6 (optional)
Dimensions (H x W x D)		mm	1.704 x 896 x 585	1.704 x 896 x 585	1.702 x 935 x 1.002	1.702 x 935 x 1.002
Total operating weight		kg	220	230	260	270
A35/W7	cooling capacity	kW / EER	5,6 / 5,0	8,2 / 5,1	12,3 / 5,1	14,5 / 5,0
	COP					
A35/W18	cooling capacity	kW / EER	5,5 / 5,2	7,9 / 5,3	11,8 / 5,3	14,2 / 5,2
	COP					



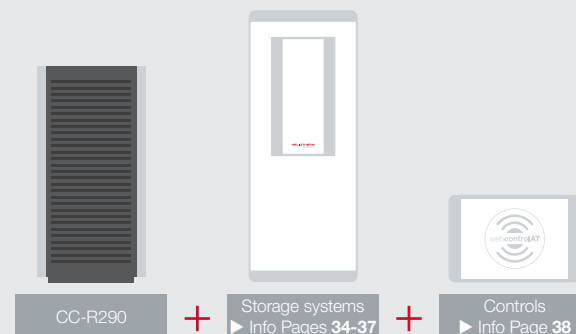
Powerbox
Included



Hydrobox
Optional



SYSTEM COMPONENTS



Air Heat Pump

Comfort Compact

8 kW . 12 kW . 18 kW . 25 kW



Highly efficient modulation technology
adapts to heat requirements

Very quiet operation due to sound optimized design

Integrated active cooling
optimal tempered rooms all year round

Photovoltaic connectivity
- free solar power with your PV system

Problem-free heating
even at the lowest outdoor temperatures



Air Heat Pump Comfort Compact			S08L-M-CC	S12L-M-CC	S18L-M-CC	S25L-M-R-CC
Heat output range EN14825		kW	2,4 - 10,3	4,1 - 12,2	5,1 - 19,1	7 - 26,5
A12/W24	Heat output	kW	6,7	8,4	8,0	10,3
	COP	COP	7,0	6,9	7,3	8,1
A7/W27	Heat output	kW	5,9	7,5	6,8	8,9
	COP	COP	5,7	5,6	6,3	6,8
A2/W30	Heat output	kW	5,5	6,6	9,0	13,5
	COP	COP	4,6	4,7	5,0	4,9
A-7/W34	Heat output	kW	8,8	10,6	15,9	22,5
	COP	COP	2,7	2,7	3,0	2,7
A-10/W35	Heat output	kW	10,2	12,0	18,1	24,7
	COP	COP	2,2	2,2	2,5	2,3
SCOP* EN14825 climate zone medium			4,5	4,6	5,0	4,9
Max. heat outlet temperature		°C	62	62	62	62
Acoustic power acc. lt. EN12102		dB(A) 4	48	50	51	51
Electric power heating backup		kW	6 (optional)	6 (optional)	6 (optional)	-
Dimensions (H x W x D)		mm	1.704 x 896 x 585	1.702 x 935 x 1002	1.702 x 935 x 1002	2.050 x 1.200 x 1.002
Total empty weight		kg	215	256	262	400
Reversible cooling - optional						
A35/W18	cooling capacity / COP	kW / EER	8,2 / 4,0	11,0 / 4,2	13,8 / 4,0	17,1 / 4,2
A35/W7	cooling capacity / COP	kW / EER	7,1 / 3,8	9,0 / 3,8	11,9 / 3,7	17,0 / 3,9



A true masterpiece of efficiency: The air heat pump without an indoor unit.

Simple, quick and cost-effective - your future Comfort Compact Air Heat Pump can be that easy to install. Use the free ambient air energy to create a pleasant indoor climate all year round. In summer, the heat pump can cool your home providing a pleasant indoor climate.

But that's not everything! High-quality materials guarantee its longevity. The heat pump meets safety standards that make it possible to install it in children's playgrounds.

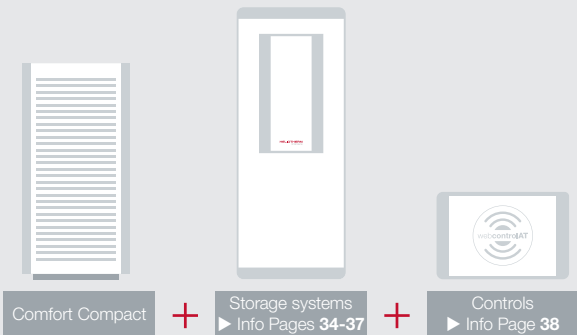


Efficiency can also be beautiful.

The Comfort Compact Heat Pump, with its innovative design and outdoor installation enables the flexible use of basements or technical rooms. The CC Heat Pump stands proud having won the sought-after Red Dot Design Award. Rest assured that your Comfort Compact Air Heat Pump provides pleasant temperatures with high efficiency, and whisper quiet operation - a real milestone and bringing clarity in the world of heat pumps. Furthermore, the Comfort Compact Heat Pump impresses with its elegant appearance, and the option to customize your CC Air Heat Pump case design from a selection of optional designs that enhance your home and property. The Heliotherm DesignPlus complements the CC Heat Pump as a highlight in your garden, that harmoniously integrates into your surroundings.



SYSTEM COMPONENTS



Air Heat Pump Split Design

Basic Comfort

8 kW . 12 kW . 20 kW

Highly efficient through innovative modulation technology

Very quiet due to sound optimized design

Maximum efficiency fully modulating with axial fan blades

Quietest outdoor air evaporator on the market, flexible installation: upright or wall-mounted

Durable and high grade weather resistant materials



* AIT Austrian Institute Of Technology: 18 dB from a 3 m. distance. Perception limit from 20 dB. 40.1 dB directly on the device. Measured acoustic level at COP 5.3 (HP12L-M-BC 12 kW).

Air Heat Pump Split Design			HP08L-M-BC	HP12L-M-BC	HP20L-M-BC
Heat output range EN14825		kW	2,4 - 10,3	4,1 - 12,2	5,1 - 19,1
A12/W24	Heat output	kW	6,7	8,5	8,1
	COP	COP	7,4	7,3	7,6
A7/W27	Heat output	kW	6,0	7,6	6,9
	COP	COP	5,9	5,9	6,6
A2/W30	Heat output	kW	5,5	6,7	9,2
	COP	COP	4,8	4,9	5,2
A-7/W34	Heat output	kW	8,8	10,8	16,2
	COP	COP	2,8	2,9	3,2
A-10/W35	Heat output	kW	10,2	12,2	18,5
	COP	COP	2,3	2,3	2,7
SCOP (annual efficiency)			4,7	4,8	5,2
Acoustic power acc. (EN12102)		dB(A)	40	41	43
Dimensions (H x W x D)		mm	1.700 x 600 x 670	1.700 x 600 x 670	1.700 x 600 x 670
Total Weight		kg	203	208	213

Reversible cooling - optional				
A35/W18	cooling capacity / COP	kW / EER	10,3 / 4,2	12,2 / 4,3
A35/W7	cooling capacity / COP		10,0 / 3,8	12,3 / 3,7

Silent Source Outdoor Evaporator - upright unit		HPS60	HPS80	HPS120
Acoustic power acc. (EN12102)		dB(A)	40	46
Application range		°C	-25 to +45	
Design type			Fin evaporator	
Dimensions (H x W x D)		mm	1.070 x 890 x 850	1.260 x 1.020 x 960
Total empty weight		kg	120	130

Silent Source Outdoor Evaporator - wall mount		HPS60-W	HPS80-W
Acoustic power acc. (EN12102)	dB(A)	41	41
Application range	°C	-25 to +45	
Design type		Fin evaporator	
Dimensions (H x W x D)	mm	1.090 x 887 x 588	1.202 x 1.036 x 620
Total empty weight	kg	95	102

Tailor-made, efficient, quiet & absolutely worth seeing:
Convincing across the board, because the outside also counts.

Our air heat pump in split design can be easily installed in a space-saving manner, ie. a modest footprint in the basement or technical room as well as outside is sufficient, and in any building. It uses the free and almost inexhaustible ambient air energy. Lower purchase costs make our air heat pump in split design particularly attractive.

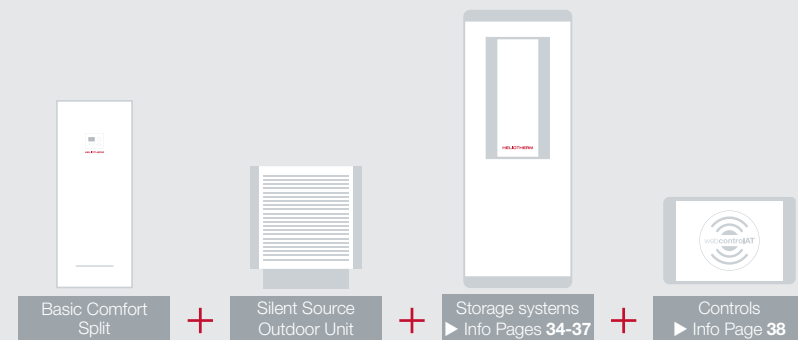
The heat pump is installed without drilling and therefore without complicated approval procedures.

Living on air and love. You can now too.

The perfect interaction of the fully modulating air heat pump harmonizing with the quietest outdoor air evaporator on the market offers many advantages. Adding the optional "DesignPlus" can transform your outdoor air evaporator into a real design highlight that attracts everyone's attention. The selection is as diverse as your individual taste. Choose from an eye-catching range of tasteful, timeless designs. No matter whether you prefer a modern look or prefer classic elegance - with DesignPlus your heating system becomes an expression of your personal style.



SYSTEM COMPONENTS



Air Split Heat Pump

COMPLETE

7 kW . 10 kW . 14 kW

Integrated 185 l stainless steel hot water storage, flow output of up to 500 liters per hour

Heating, cooling and hot water, includes heating pump for a perfect living climate

Maximum efficiency fully modulating with axial fan blades

Quietest outdoor air evaporator on the market sound level of 18 dB(A) at 3 meter distance

Aesthetic compact design suitable for new building constructions

A+++



* AIT Austrian Institute Of Technology: 18 dB from a 3 m. distance. Perception limit from 20 dB. 40.1 dB directly on the device. Measured acoustic level at COP 5.3 (HP12L-M-BC 12 kW).

COMPLETE Air Split Heat Pump		S07L-M-CO	S10L-M-CO	S14L-M-CO
Performance data acc. EN 14825, climate zone medium, heat outlet temperature 35 °C				
Heat output range	kW	2,0 - 7,0	4,0 - 10,0	5,0 - 14,0
A12/W24	Heat output	kW	2,9	3,8
	COP	COP	9,1	9,2
A7/W27	Heat output	kW	2,6	3,6
	COP	COP	7,0	7,1
A2/W30	Heat output	kW	3,8	5,5
	COP	COP	5,3	5,4
A-7/W34	Heat output	kW	6,3	9,0
	COP	COP	3,1	3,2
A-10/W35	Heat output	kW	7,1	10,2
	COP	COP	2,8	2,9
SCOP (annual efficiency)		5,2	5,3	5,3
ErP Energy efficiency class		A+++	A+++	A+++
Acoustic power acc. indoor unit (EN12102)	dB(A)	37	37	37
Max. heat outlet temperature	°C	63	63	63
Refrigerant		R-410A	R-410A	R-410A
Stainless steel hygiene hot water storage	l	185	185	185
Electric power backup heater	kW	6	6	6
Dimensions (H x W x D)	mm	1.945 x 710 x 800	1.945 x 710 x 800	1.945 x 710 x 800
Total empty weight	kg	278	285	292

A35/W18	cooling capacity / COP	kW / EER	5,0 / 4,4	7,0 / 4,5	10,0 / 4,4
A35/W7	cooling capacity / COP		5,0 / 4,0	7,0 / 3,9	9,9 / 4,1

OE Silent Source - upright unit		HPS60	HPS80	HPS100
Acoustic power acc. outdoor unit (EN12102)	dB(A)	40	40	43
Dimensions (H x W x D)	mm	1.070 x 890 x 850	1.260 x 1.020 x 960	1.314 x 1.185 x 620
Gewicht	kg	120	130	110

OE Silent Source - wall mount		HPS60-W	HPS80-W	HPS100-W
Acoustic power acc. outdoor unit (EN12102)	dB(A)	41	41	43
Dimensions (H x W x D)	mm	1.090 x 887 x 588	1.202 x 1.036 x 620	1.314 x 1.185 x 620
Weight	kg	95	102	110

This air source heat pump sets new standards for your home: get ready for unparalleled comfort and efficiency!

Our friendly duo, consisting of an air heat pump and the quietest outdoor air evaporator on the market, makes the impossible possible: an all-in-one system that fits in your living space due to its space-saving minimal footprint. The Complete Air Split Heat Pump impresses with its optimized noise reduction feature, drawing the ambient air as an energy source to generate heat.

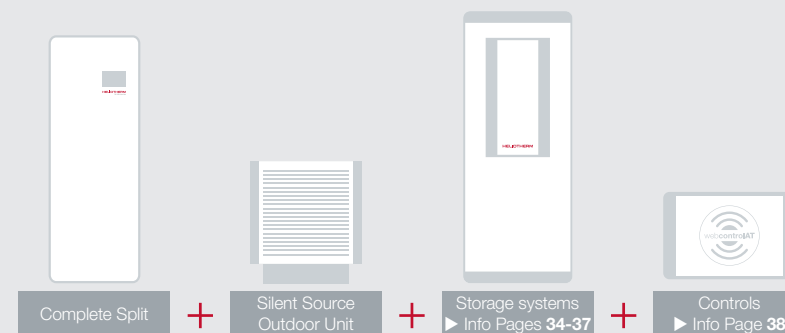
Defining maximum efficiency in heating and cooling, while operating with hardly any sound, inside and outdoors.

Ultra-modern and nearly maintenance free

A real complete heating solution "Made in Tyrol" that offers maximum living comfort with minimum heating costs; while operating quietly. The Complete Air Split Heat Pump is full of innovative functions that make it an absolute must-have: integrated standard feature active cooling, the optional connectivity to a photovoltaic system, and a significantly quiet operation round-off the modern features of this split air heat pump.



SYSTEM COMPONENTS



Air Split Heat Pump

Cube

7 kW . 10 kW . 14 kW

Ideal for prefabricated houses, terraced houses and apartments

Integrated active cooling
optimal tempered rooms all year round

Compact design requires less space

Maximum efficiency
fully modulating with Axial fan blades

Aesthetic compact design
new building constructions



A+++

*AIT Austrian Institute Of Technology:
18 dB from a 3 m. distance. Perception limit from 20 dB. 40.1 dB directly on the device. Measured acoustic level at COP 5,3 (HP12L-M-BC 12 kW).

CUBE Air Split Heat Pump			S07L-M-R-CU	S10L-M-R-CU	S14L-M-R-CU
A12/W24	Heat output	kW	2,9	3,8	4,8
	COP	COP	9,1	9,2	9,2
A7/W27	Heat output	kW	2,6	3,6	4,9
	COP	COP	7,0	7,1	7,1
A2/W30	Heat output	kW	3,8	5,5	7,6
	COP	COP	5,3	5,4	5,4
A-7/W34	Heat output	kW	6,3	9,0	12,4
	COP	COP	3,1	3,2	3,2
A-10/W35	Heat output	kW	7,1	10,2	14,0
	COP	COP	2,8	2,9	2,9
SCOP (annual efficiency)			5,2	5,3	5,3
ErP Energy efficiency class (35°C)			A+++	A+++	A+++
Acoustic power acc. (EN12102)			37	37	37
Max. heat outlet temperature			63	63	63
Refrigerant			R-410A	R-410A	R-410A
Electric power backup heater			6	6	6
Dimensions (H x W x D)			955 x 710 x 800	955 x 710 x 800	955 x 710 x 800
Total empty weight			175	180	185
A35/W18	cooling capacity / COP	kW / EER	5,0 / 4,4	7,0 / 4,5	10,0 / 4,4
A35/W7	cooling capacity / COP		5,0 / 4,0	7,0 / 3,9	9,9 / 4,1

OE Silent Source - upright unit		HPS60	HPS80	HPS100
Acoustic power acc. (EN12102)		40	40	43
Dimensions (H x W x D)		1.070 x 890 x 850	1.260 x 1.020 x 960	1.314 x 1.185 x 620
Weight		120	130	110

OE Silent Source - wall mount		HPS60-W	HPS80-W	HPS100-W
Acoustic power acc. (EN12102)		41	41	43
Dimensions (H x W x D)		1.090 x 887 x 588	1.202 x 1.036 x 620	1.314 x 1.185 x 620
Weight		95	102	110

Performance data according to EN 14825

For everyone who wants to make a rational decision for the future:
The planning and cost-saving alternative for your home.

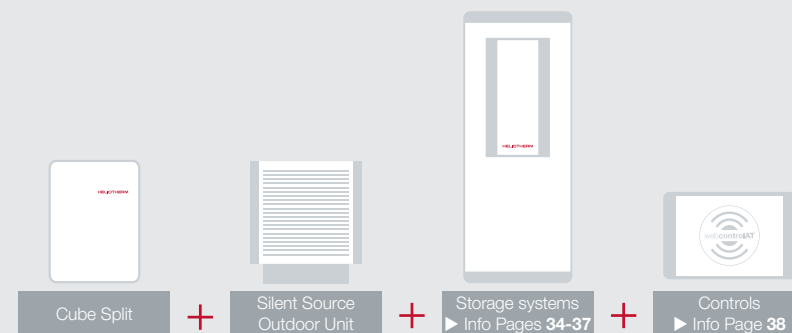
Our fully modulating Cube Air Split Heat Pump is packed with maximum performance even for the smallest of spaces. Requiring only 0.6 m2 footprint in your home, while reliably and efficiently ensuring comfortable warm temperatures. The remarkably low-sound outdoor air evaporator makes it the quietest device on the market - right at your doorstep! No disruptive sound is heard in the house, or your in garden surroundings, and being mindful of the neighbours. Simply, intelligent heating!

Options that are worthwhile:

State-of-the-art technology "Made in Tyrol", combined with an elegant design and many standard advantages such as integrated active cooling and innovative leading-edge modulation technology. The Cube Air Split Heat Pump goes one step further, offering the optional PV connectivity is a solid step towards reducing heating costs altogether. In combination with the Heliotherm Fresh Hot Water System, your hot water is prepared efficiently and hygienically.



SYSTEM COMPONENTS



Ground Heat Pump Direct Evaporation

Basic Comfort

8 kW . 12 kW . 20 kW

Ideal for single and multi-family homes
with sufficient garden space

No heat loss with additional heat exchangers
(maintenance-free direct system)

Active cooling / passive cooling (optional)
optimally tempered rooms all year round

Photovoltaic connectivity
- free solar power with your PV system

webcontrolAT® - innovative and user-friendly system
control for weather data-based operation



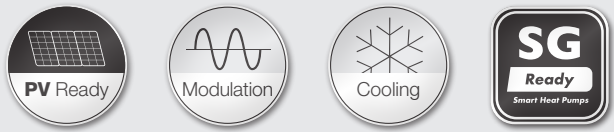
Ground Heat Pump Direct Evaporation			HP08E-M-BC	HP12E-M-BC	HP20E-M-BC
Heat output range EN14825		kW	4,2 - 12,8	6,3 - 17,1	8,1 - 22,4
E4/W24	Heat output	W	3,3	7,0	5,6
	COP	COP	5,9	6,1	6,5
E4/W27	Heat output	kW	3,3	7,2	7,6
	COP	COP	5,9	6,0	6,3
E4/W30	Heat output	kW	4,3	6,6	11,4
	COP	COP	5,7	5,8	6,2
E4/W34	Heat output	kW	7,1	10,7	17,7
	COP	COP	5,7	5,8	6,1
E4/W35	Heat output	kW	8,1	12,1	20,1
	COP	COP	5,7	5,9	6,2
SCOP (annual efficiency)			5,8	5,9	6,2
Acoustic power acc. (EN12102)		dB(A)	42	43	43
Dimensions (H x W x D)		mm	1.700 x 600 x 670	1.700 x 600 x 670	1.700 x 600 x 670
Total operating weight		kg	203	208	213
Reversible cooling - optional					
E15/W18	cooling capacity / COP	kW / EER	8,2 / 7,8	12,2 / 7,4	20,3 / 7,4
E15/W7	cooling capacity / COP		8,1 / 6,4	12,1 / 6,8	20,3 / 6,1

Your well-being starts with the foundation!
Rely on natural technology and stability:

Nature itself lays the foundation for your comfortable home - as a free source of energy. Your ground heat pump is a direct system that does not require complex intermediate circuits. This means you can maintain a pleasant room temperature in your home all year round, reliably and without maintenance. In the summer months, the system becomes an effective cooling system by simply switching.

Affordable today, sustainable tomorrow.

No official approval nor an expensive deep drilling planning is required for the geothermal direct evaporation modulation heat pump. The surface collectors are easy to install and do not take up any space in your garden. While your plants thrive, the system underground works reliably and trouble-free. Pre-planning to connect a photo-voltaic system allows you to save on additional costs. This direct evaporation geothermal heat pump is your solid basis for environmentally friendly heating, hot water and cooling.



SYSTEM COMPONENTS



Brine Heat Pump

Basic Comfort

8 kW . 12 kW . 20 kW

Heat outlet temperatures of up to 65 °C possible

Also suitable for smaller plots of land.

Active cooling / passive cooling (optional)
optimally tempered rooms all year round

Photovoltaic connection
- free solar power with your PV system

webcontrolAT® - innovative and user-friendly system
control for weather data-based operation

A+++



Free heat from the ground with a brine probe or surface collector.
Tailor-made solutions for your needs!

Whether it's a large property or a small garden - our flexible brine heat pump "Made in Tyrol" reliably supplies your single-or multi-family home with comfortable heat in winter and optionally, with pleasant cool air in summer. Our intelligent system is characterized by maximum flexibility. You can choose between the space-saving deep drill brine probe, which makes the stored energy deep in the ground usable; or the horizontal brine surface collector system in the garden, which fulfills the same task. Due to the closed brine circuit, both systems are of highest efficiency and very safe to operate.

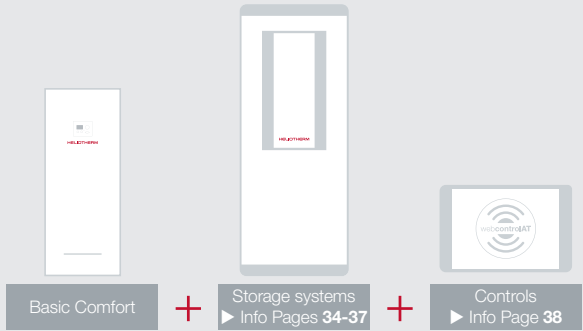
Coupling the brine heat pump with a PV system

Combine the brine geothermal heat pump with a photo-voltaic system and use the electricity you generate for faster amortization. Due to the PV preparation, integration is quick and easy. In short: it is a heat pump which leaves you no concern for supply security, climate and unpredictable energy costs for many years.

Brine Heat Pump			HP08S10W-M-BC	HP12S16W-M-BC	HP20S25W-M-BC
Heat output range EN14825		kW	3,3 - 11,2	5,1- 15,2	7,2 - 19,6
B0/W24	Heat output	kW	1,2	7,0	5,6
	COP	COP	5,5	5,7	5,9
B0/W25	Heat output	kW	2,8	7,2	7,6
	COP	COP	5,5	5,6	5,8
B0/W27	Heat output	kW	4,4	6,6	11,4
	COP	COP	5,1	5,2	5,5
B0/W30	Heat output	kW	7,1	10,7	17,7
	COP	COP	5,0	5,0	5,2
B0/W35	Heat output	kW	8,5	12,1	20,1
	COP	COP	4,9	5,1	4,9
SCOP (annual efficiency)			5,2	5,3	5,6
Acoustic power acc. (EN12102)		dB(A)	42	45	47
Dimensions (H x W x D)		mm	1.700 x 600 x 670	1.700 x 600 x 670	1.700 x 600 x 670
Total operating weight		kg	226	231	236
Reversible cooling - optional					
B10/W18	cooling capacity / COP	kW / EER	8,1 / 7,9	12,2 / 7,5	20,4 / 7,5
B10/W7	cooling capacity / COP		8,1 / 6,4	12,0 / 6,8	20,4 / 6,1



SYSTEM COMPONENTS



Brine Heat Pump

COMPLETE

7 kW . 10 kW . 14 kW

Heating, cooling and hot water,
a heating pump for your perfect living climate

Fully modulating for **minimal operation costs**

Very quiet due to sound optimized design

Passive cooling (optional)
optimally tempered rooms all year round

Photovoltaic connectivity
- free solar power with your PV system

Aesthetic **compact** design suitable for
new building constructions



COMPLETE Brine Heat Pump		S07S-M-CO	S10S-M-CO	S14S-M-CO
Performance data acc. EN 14825, climate zone medium, heat outlet temperature 35 °C				
Heat output range	kW	2,0 - 7,0	4,0- 10,0	5,0- 14,0
B0/W24	Heat output	kW	2,5	3,0
	COP	COP	6,6	6,7
B0/W27	Heat output	kW	2,7	3,5
	COP	COP	6,5	6,5
B0/W30	Heat output	kW	4,1	5,5
	COP	COP	6,0	6,1
B0/W34	Heat output	kW	6,5	8,8
	COP	COP	5,2	6,0
B0/W35	Heat output	kW	7,6	10,1
	COP	COP	4,9	5,0
SCOP (annual efficiency)		5,9	6,0	6,1
ErP Energy efficiency class		A+++	A+++	A+++
Acoustic power acc. (EN12102)	dB(A)	35,9	36,1	36,4
Max. heat outlet temperature	°C	63	63	63
Refrigerant		R-410A	R-410A	R-410A
Stainless steel hygiene hot water storage	l	185	185	185
Electric power backup heater	kW	6	6	6
Dimensions (H x W x D)	mm	1.945 x 710 x 800	1.945 x 710 x 800	1.945 x 710 x 800
Total empty weight	kg	283	290	297

*Heat output variable is adjustable. Guideline, reference point details are found in the technical documentation.Tolerances according to EN 12900

Equipped for the requirements of our future:
Efficient in performance, exceptionally quiet and elegant design.

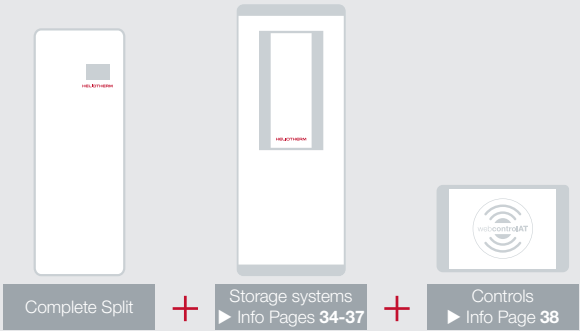
The Complete Brine Heat Pump impresses with its closed brine circuit, using natural ground heat via a deep probe or a surface collector. This fully modulating heat pump requires only a 0.6 m2 footprint in your home: thus operating reliably efficient, ensuring comfortable warm temperatures, and cost-effective domestic cold & hot water supply. The Complete Brine Heat Pump model can be installed as any household appliance.

The all-in-one system with integrated 185 liter hot water storage, brilliant compact dimensions and maximum efficiency.

In this elegant Complete Brine Heat Pump design has everything you need, meeting every expectation. It offers long-term advantages, possible connectivity to a photo-voltaic system, and passive cooling as a standard feature. In addition, ideal for use in intelligent power grids. Look forward to a reliable, highly efficient, intelligent and elegant complete solution that is cost-effective for many years ahead.



SYSTEM COMPONENTS



Brine Heat Pump

Cube

7 kW . 10 kW . 14 kW

Fully modulating for **minimal operation costs**

Very quiet due to sound optimized design

Standard passive cooling (optional)
optimally tempered rooms all year round

Photovoltaic connectivity
- free solar power with your PV system

Aesthetic **compact** design suitable for
new building constructions



Depict a brighter look into the future:
Comfort with a contemporary look & flexible for every need!

Today, feeling good is more than we can express, especially on the topic of comfort. The Heliotherm Cube Brine Heat Pump meets all expectations in flexibility, longevity and technological efficiency. Brine as a water-based antifreeze not only ensures comfortable warmth, but also the use of free environmental energy - a win for the environment and your budget. The horizontal brine surface collector system is particularly suitable for large plots of land, while the space-saving vertical brine depth probe system impresses with its smaller space requirement.

Experience the Cube Brine Heat Pump,
a true heating technology revolution!

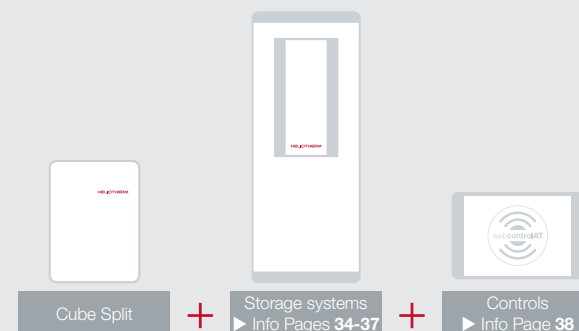
This high-tech wonder combines powerful heating technology and cooling performance with maximum energy efficiency and a minimum footprint. The decision is made easy when looking for a solution that meets all your heating needs with confidence. The heating circulation pump, brine circulation pump and 3-way valve are integrated directly into the heat pump, thus making installation easier and accessible.

The Cube Brine Heat Pump is strong, yet quiet. The sound optimized construction guarantees a pleasant feel-good climate. The best thing is: you can control the system from anywhere using the integrated “webcontrolAT” user interface - even when you’re on the go. Look forward to a remarkable heat pump system, in your warm and safe home living comfort.

CUBE Brine Heat Pump			S05S-M-CU	S07S-M-CU	S10S-M-CU	S14S-M-CU
Performance data acc. EN 14825, climate zone medium, heat outlet temperature 35°C						
B0/W24	Heat output	kW	0,8	2,5	3,0	3,6
	COP	COP	5,8	6,6	6,7	6,7
B0/W27	Heat output	kW	1,9	2,7	3,5	5,0
	COP	COP	6,0	6,5	6,5	6,5
B0/W30	Heat output	kW	2,9	4,1	5,5	7,5
	COP	COP	5,4	6,0	6,0	6,1
B0/W34	Heat output	kW	4,6	6,5	8,8	12,4
	COP	COP	4,8	5,2	5,2	5,3
B0/W35	Heat output	kW	5,5	7,6	10,1	14,2
	COP	COP	4,6	4,9	5,0	5,0
SCOP* (annual efficiency)			5,4	5,9	6,0	6,1
Acoustic power acc. (EN12102)		dB(A)	32	36	36	36
Max. heat outlet temperature		°C	63	63	63	63
Refrigerant			R-410A	R-410A	R-410A	R-410A
Electric power - backup heater		kW	6	6	6	6
Dimensions (H x W x D)		mm	955 x 710 x 800	955 x 710 x 800	955 x 710 x 800	955 x 710 x 800
Total empty weight		kg	120	180	185	190



SYSTEM COMPONENTS



Ground Heat Pump Direct Evaporation and Brine

Natural Technology

3-10 kW . 5-15 kW

Most efficient heat pump technology in the world

Environmentally friendly Propane refrigerant with no global warming potential

Heat outlet temperatures of up to 70 °C possible can be combined with conventional radiators

Very quiet due to sound optimized design

Photovoltaic connectivity - free solar power with your PV system

For outdoor installation



A+++

Ultimate comfort and a minimal ecological footprint. Welcome to a new era of heating for generations to come.

Did you know that the Natural Technology geothermal heat pump provides pleasant heat and hot water without emissions, and works without harmful chlorinated refrigerants? We rely on propane, a natural refrigerant which has a GWP (Global Warming Potential) that is 480 times lower than conventional variants. It is a gift of nature, non-toxic to soil and groundwater. This makes the Natural Technology Heat Pump the first choice for anyone who wants to heat in an environmentally conscious manner - even in regions with strict environmental regulations.

The Natural Technology Ground Heat Pump is available in two types:

DX / DIRECT EVAPORATION

Experience the pinnacle of cost-effectiveness with the Heliotherm Natural Technology Heat Pump- direct evaporation, is the undisputed most efficient ground source heat pump on the market. The energy is extracted from the ground through the surface collector system, then flows directly to the heat pump in the direct evaporation process. The result? An unprecedented level of energy savings and efficiency system.

BRINE PROBE

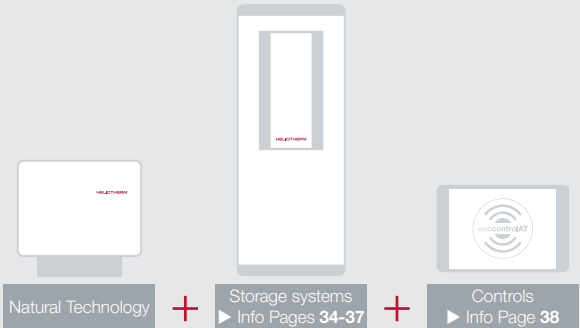
This method is particularly suitable for small properties and confined spaces, since the space required for the drilled holes are minimal. The double-walled probes, in which the brine mixture efficiently circulates, extracts the free stored energy from the ground. The heat provided by the heat pump flows seamlessly into your heating system and ensures a pleasant indoor climate.

Natural Technology Heat Pump Direct Evaporation		SNTM-3-10	SNTM-5-15
Heat output range	kW	1,8 - 10,0	5,0 - 15,0
Heat output at E4/W35	kW	10,0	15,5
COP at E4/W35		6,2	6,2
Heat output at E4/W55	kW	9,8	15,1
COP at E4/W55		3,0	3,2
SCOP (EN14825) climate zone medium		6,7	6,7
Max. heat outlet temperature	°C	70	70
Acoustic power acc. (EN12102)	dB(A)	48	48
Weight (H x W x D)	mm	1.057 x 1.018 x 649	1.057 x 1.018 x 649
Weight	kg	125	126

Natural Technology Heat Pump Brine		SNTM-S-3-10	SNTM-S-5-15
Heat output range	kW	3,0 - 10,0	5,0 - 15,0
Heat output at B0/W35	kW	6,6	10,4
COP at B0/W35	kW	5,4	5,7
Heat output at B0/W55	kW	6,5	10,2
COP at B0/W55		3,0	3,2
SCOP (EN14825) climate zone medium		6,1	6,3
Max. heat outlet temperature	°C	70	70
Acoustic power acc. (EN12102)	dB(A)	51	51
Dimensions (H x W x D)	mm	1.057 x 1.018 x 649	1.057 x 1.018 x 649
Weight	kg	125	135



SYSTEM COMPONENTS



Groundwater Heat Pump

Basic Comfort

10 kW . 16 kW . 25 kW

Highly efficient through innovation modulations technology

Very quiet due to sound optimized design

Active cooling / passive cooling (optional) optimally tempered rooms all year round

Photovoltaic connectivity - free solar power with your PV system

webcontrolAT® - innovative and user-friendly system control for weather data-based operation



Discover the Heliotherm Groundwater Heat Pump, the best choice for your home!

Water is a vital source of life, but also an unequivocal source for heating. Hence, opting for the Heliotherm Groundwater Heat Pump, you benefit from its impressive efficiency which promises unsurpassed efficiency. This system drastically reduces your home's heating operating costs. But that's not all, the groundwater heat pump surprises with numerous features that reduce the heating and cooling operating costs of your single or multi-family home; but also more calculable - an invaluable advantage, especially in challenging times.

Innovation meets quality

Due to precise two well bores, the Heliotherm Groundwater Heat Pump takes up hardly any space in the garden and can be easily installed almost anywhere in the building. This model makes it a reliable first-class option that does its job, even when renovating or modernizing your heating system.

Your comfort world champion

The groundwater heat pump's outstanding performance is based on its flexibility in terms of water quality. Whether your groundwater has difficult water conditions, e.g. changing water temperatures, our groundwater heat pump performs highly efficient in combination with a titanium-welded stainless steel spiral or plate heat exchanger. Experience heating and cooling at the highest level.

Groundwater Heat Pump			HP08S10W-M-BC	HP12S16W-M-BC	HP20S25W-M-BC
Heat output range EN14825		kW	6,2 - 14,4	7,4 - 19,9	9,3 - 26,2
W10/W24	Heat output	kW	2,1	2,6	5,9
	COP	COP	6,9	7,2	7,4
W10/W25	Heat output	kW	4,1	5,5	8,6
	COP	COP	7,1	7,4	7,5
W10/W27	Heat output	kW	5,4	8,6	13,4
	COP	COP	6,8	7,0	7,3
W10/W30	Heat output	kW	8,8	14,1	22,0
	COP	COP	6,4	6,6	6,8
W10/W35	Heat output	kW	10,0	16,2	25,2
	COP	COP	6,6	6,8	6,7
SCOP (annual efficiency)			6,8	7,1	7,2
Acoustic power acc. (EN12102)		dB(A)	40	43	45
Dimensions (H x W x D)		mm	1.700 x 600 x 670	1.700 x 600 x 670	1.700 x 600 x 670
Total operating weight		kg	226	231	236

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

Groundwater Heat Pump SPIREC			HP08S10W-M-S-BC	HP12S16W-M-S-BC	HP20S25W-M-S-BC
W10/W35	Heat output	kW	10,8	13,7	24,8
	COP	COP	6,1	6,1	6,0
SCOP EN14825 climate zone medium			6,4	6,7	6,9
Acoustic power acc. (EN12102)		dB(A)	40	43	45
Dimensions (H x W x D)		mm	1.700 x 600 x 670	1.700 x 600 x 670	1.700 x 600 x 670
Total operating weight		kg	226	238	243

Reversible cooling - optional					
W10/W18	cooling capacity / COP	kW / EER	7,7 / 7,5	11,6 / 7,1	19,2 / 7,1
W10/W7	cooling capacity / COP		7,7 / 6,0	11,4 / 6,4	19,2 / 5,8



SYSTEM COMPONENTS



Air Heat Pump - Large Split Design

Solid

30 kW . 40 kW . 55 kW

Highly efficient through innovation modulations technology

RCG-X-Series for remote maintenance included

Durable and weatherproof high-quality materials such as aluminum and safety glass



The Solid Air Split Large Heat Pump is perhaps the quietest performing air heat pump of its kind. The output performance ranges are ideal for hotels, residential or commercial buildings. The Silent Source outdoor air evaporator extracts the energy from the ambient air, flowing through the high quality engineered design that stands out characterized by excellent sound insulation. Its small footprint and customizable design, fits perfectly in any suitable environment. The fully modulation technology - "Made in Tyrol, Austria" sets new standards in relation to high-efficiency, reliability and innovative heating performance.

Solid Air Heat Pump - Large Split Design			S30L-M-Solid	S40L-M-Solid	S55L-M-Solid
Heat output range EN14825, Heat outlet temperature 35 °C					
A12/W24	Heat output	kW	12,4	14,1	17,3
	COP	COP	8,0	8,1	8,0
A7/W27	Heat output	kW	13,6	14,5	17,6
	COP	COP	6,5	6,7	6,5
A2/W30	Heat output	kW	14,6	20,9	27,4
	COP	COP	5,2	5,3	5,2
A-7/W34	Heat output	kW	24,6	34,6	43,2
	COP	COP	3,0	3,1	3,0
A-10/W35	Heat output	kW	27,3	39,7	48,9
	COP	COP	2,5	2,6	2,5
SCOP* EN14825 climate zone medium			5,1	5,2	5,1
ErP Energy efficiency class (35 °C)			A+++	A+++	A+++
Acoustic power acc. (EN12102)		dB(A)	42	42	42
Max. heat outlet temperature		°C	62	62	62
Dimensions (H x W xD)		mm	1.602 x 687 x 715	1.602 x 687 x 715	1.700 x 913 x 1.703
Total empty weight		kg	210	250	380
Reversible cooling - optional					
A35/W18	cooling capacity / COP	kW / EER	20,2 / 4,2	30,3 / 4,2	40,2 / 4,2
A35/W7	cooling capacity / COP		20,1 / 4,0	30,1 / 4,0	40,1 / 4,0
OE Silent Source - upright unit			HPS240		HPS300
Acoustic power acc. (EN12102)		dB(A)	42		44
Dimensions (H x W x D)		mm	1.506 x 1.137 x 1.998		1.506 x 1.137 x 2.953
Weight		kg	281		455

*SCOP (Seasonal Coefficient of Performance) = The annual heat output ratio in kW, for the required electrical drive energy given in kWh.

Compact Air Heat Pump - Large Design

Solid

30 kW . 40 kW . 55 kW

Highly efficient through innovation modulations technology

Heat pump for outdoor installation
Durable and weatherproof high-quality materials such as aluminum and safety glass

Elegant design, individually customisable surface (e.g. in corporate design)

RCG-X-Series for remote maintenance included



Efficient, innovative, renewable technology that will enhance your property, hotel, residential building or commercial business. Benefit from the highest quality and intelligent design for years to come. The impressive fully modulating Solid Compact Air Heat Pump Large Design is the first choice for the renovation projects of hotels and commercial buildings; with an outlet temperature of up to 62 °C and possible integration into existing systems. Reliable, economical, eminently quieter low vibration operation due to its optimized engineered acoustic design.

Solid Compact Air Heat Pump - Large Design			S30L-M-CC	S40L-M-CC	S55L-M-CC
Heat output range EN14825, Heat outlet temperature 35 °C					
A12/W24	Heat output	kW	12,4	14,1	17,3
	COP	COP	8,0	8,1	8,0
A7/W27	Heat output	kW	13,6	14,5	17,6
	COP	COP	6,5	6,7	6,5
A2/W30	Heat output	kW	14,6	20,9	27,4
	COP	COP	5,2	5,3	5,2
A-7/W34	Heat output	kW	24,6	34,6	43,2
	COP	COP	3,0	3,1	3,0
A-10/W35	Heizleistung	kW	27,3	39,7	48,9
	COP	COP	2,5	2,6	2,5
SCOP* EN14825 climate zone medium			5,1	5,2	5,1
ErP Energy efficiency class (35 °C)			A+++	A+++	A+++
Acoustic power acc. (EN12102)			51	53	55
Max. heat outlet temperature			62	62	62
Dimensions (H x W x D)			1.516 x 1.136 x 2.948	1.516 x 1.136 x 2.948	1.516 x 1.136 x 3.900
Total empty weight			660	675	1.025
Reversible cooling - optional					
A35/W18	cooling capacity / COP	kW / EER	20,2 / 4,2	30,3 / 4,2	40,2 / 4,2
A35/W7	cooling capacity / COP		20,1 / 4,0	30,1 / 4,0	40,1 / 4,0

*SCOP (Seasonal Coefficient of Performance) = The annual heat output ratio in kW, for the required electrical drive energy given in kWh.



Brine Heat Pump - Large Design

Solid

30 kW . 40 kW . 60 kW . 100 kW

With a SCOP* of 6.0, the Solid Brine heat pump delivers, on an annual average, 6 kW heating output with only 1 kW consumption

Integrated KNX-Connection for integrated control

RCG-X-Series for remote maintenance included

Highest SPF even in partial load operation

Durable materials and safety glass



A+++

Our fully modulating Solid Brine Heat Pump performs with undisputable dynamic efficiency. This large heat pump uses geothermal energy to heat and cool economically, with an impressive heat output of up to 100 kW. Hotels, commercial businesses and large residential buildings benefit equally from sustainable power. High-quality materials, minimal maintenance and almost silent operation offers the optimum choice. A heat pump could hardly be more efficient, more powerful, more reliable and cooler.

Solid Heat Pump - Large Design			30S40W-M-Solid	40S50W-M-Solid	60S80W-M-Solid	100S1200W-M-Solid
Heat output range EN14825, Heat outlet temperature 35 °C						
B0/W24	Heat output	kW	7,4	9,9	16,2	24,2
	COP	COP	5,8	5,8	6,8	6,4
B0/W27	Heat output	kW	10,8	14,4	19,5	29,2
	COP	COP	5,7	5,7	6,3	6,6
B0/W30	Heat output	kW	16,0	21,3	32,8	48,6
	COP	COP	5,3	5,5	5,7	6,0
B0/W34	Heat output	kW	26,1	34,8	52,1	77,4
	COP	COP	5,0	5,0	5,0	5,2
B0/W35	Heat output	kW	30,1	40,1	58,5	91,9
	COP	COP	5,1	4,9	4,8	5,0
SCOP* EN14825 climate zone medium			5,7	5,4	5,8	6,0
Acoustic power acc. (EN12102)		dB(A)	50	55	58	61
Max. heat outlet temperature		°C	62	62	62	62
Dimensions (H x W x D)		mm	1.602 x 687 x 715	1.602 x 687 x 715	1.700 x 913 x 1.203	1.700 x 913 x 1.203
Total empty weight		kg	220	265	520	630
Reversible cooling - optional						
B10/W18	cooling capacity / COP	kW /	20,2 / 9,3	30,3 / 9,3	45,2 / 8,1	70,5 / 7,7
B10/W7	cooling capacity / COP	EER	20,1* / 7,4	30,1* / 7,4	45,1 / 6,3	70,1 / 6,6

*SCOP (Seasonal Coefficient of Performance) = The annual heat output ratio in kW, for the required electrical drive energy given in kWh.

Water Heat Pump - Large Design

Solid

40 kW . 50 kW . 80kW . 120kW

An impressive SCOP* of 8,3 gives you 8,3 kW heating output of 1 kW electricity

Integrated KNX connection for complete building control

Easily accessible for revision work - new installation standards for comfort and ease of maintenance

Highest SPF at partial load operation and efficiency

Highest SPF even in partial load operation

High-quality, durable materials for a long service life



A+++

The Solid Water Heat Pump Large Design is a technological masterpiece, and is an assertive right choice for new spacious residential buildings, hotels and commercial properties. The fully modulating large water heat pump is excellent for renovation projects with maximum efficiency, reliable and state-of the art technology. Further, as a responsible builder who makes an important contribution to climate protection, while relying on the Solid Water Large Heat Pump for innovative technology, and a sustainable reputation!

Solid Water Heat Pump - Large Design			30S40W-M-Solid	40S50W-M-Solid	60S80W-M-Solid	100S1200W-M-Solid
Heat output range EN14825, Heat outlet temperature 35 °C						
W10/W24	Heat output	kW	10,6	13,2	21,7	32,2
	COP	COP	7,1	7,1	8,4	8,5
W10/W27	Heat output	kW	14,5	18,1	26,7	44,9
	COP	COP	7,3	7,3	8,7	8,9
W10/W30	Heat output	kW	21,5	26,9	40,2	63,8
	COP	COP	7,0	6,8	7,7	7,8
W10/W34	Heat output	kW	35,5	44,4	70,9	108,0
	COP	COP	6,6	6,0	6,4	6,5
W10/W35	Heat output	kW	39,9	49,8	79,5	120,5
	COP	COP	7,0	5,8	6,1	6,2
SCOP* EN14825 climate zone medium			8,3	7,0	7,7	7,8
Acoustic power acc. (EN12102)		dB(A)	50	55	58	61
Max. heat outlet temperature		°C	62	62	62	62
Dimensions (H x W x D)		mm	1.602 x 687 x 715	1.602 x 687 x 715	1.700 x 913 x 1.203	1.700 x 913 x 1.203
Total empty weight		kg	220	265	520	630
Reversible cooling - optional						
W10/W18	cooling capacity / COP	kW /	29,8 / 9,3	39,8 / 9,3	59,2 / 8,1	105,5 / 7,7
W10/W7	cooling capacity / COP	EER	30,3* / 7,4	40,4* / 7,4	61,0 / 6,3	100,5 / 6,6

*SCOP (Seasonal Coefficient of Performance) = The annual heat output ratio in kW, for the required electrical drive energy given in kWh.





Heliotherm

Fresh Hot Water System

300 . 500 . 850 . 1,500 Liters

Prevents germs or Legionella growth in drinking water

Lower energy demand
(no constant heating up the storage contents)

Rapid heating to the recommended 48 °C,
prevents water lime flocculate

Storage sizes: 300, 500, 850 and 1,500 liters

Photovoltaic connectivity
- free solar power with your PV system

High quality storage insulation



HELIO THERM

Dual Compartment

Combined Storage

800 Liters

Dual compartment storage for
heating, cooling and hot water

Exceptional space-saving design

Suitable for **active cooling** up to 7°C

Hygienic and efficient hot water preparation,
prevents Legionella through counter flow
principle with heat exchanger technology



Hygienic Domestic Hot Water Prep

Water System. Enjoy prompt domestic hot water for your entire household. The system is seamless, integrated into the Heliotherm heat pump heating buffer storage and works like a modern instantaneous water heater. While the counter-current flow protects against any Legionella growth and build-up. A simple turn of the tap is enough to prompt the flow of cold drinking water through the fresh water system, bringing the water to the desired temperature in a minutes time.

The maintenance free hot water preparation works without additional electrical heating, protects the heat pump and guarantees a long service life.

FRESH HOT WATER SYSTEM		ZH-FS3101	ZH-FS5101	ZH-FS9101	ZH-FS15101
Storage capacity	l	300	476	805	1.500
Flow rate	l/min	22	22	40	40-80
Dimensions without insulation (Ø x H)	mm	500 x 1.740	600 x 1.920	790 x 1.990	1.100 x 1.920
Dimensions with insulation (Ø x H)	mm	660 x 1.900	750 x 1.920	990 x 1.990	1.340 x 1.920
Tilting dimension	mm	2.011 (with insulation)	2.029 (with insulation)	2.015 (without insulation)	2.335 (without insulation)
Weight	kg	80	94	165	246
Fresh water system		ZH-FWS01	ZH-FWS01	ZH-FWS02	1-2x ZH-FWS02

Intelligent, efficient technology

The design is complete with separate compartments, proceeding with an ideal performance for heating, cooling and domestic hot water supply for the entire household. The fresh water module is equipped with a heat exchanger, a high efficiency pump, a flow switch, ball valves and a robust hard shell foam casing.

DUAL COMPARTMENT COMBINED BUFFER		
Flow rate	l/min	22
Storage capacity warm water	l	502
Storage capacity heat	l	315
Dimension with insulation (Ø x H)	mm	994 x 2.190
Tilting dimension	mm	2.190
Weight	kg	170



Combined Storage Easy-To-Go (ETG)

500 Liters

Dual compartment combined storage buffer for **heating, cooling** and **domestic hot water** - constructed especially for the Comfort Compact Heat Pump Series

Exceptional **space-saving design** and simplifies installation

Suitable for **active cooling** up to 7 °C

Hygienic and **efficient hot water preparation**, prevents **Legionella** through counter flow principle with heat exchanger technology

Heliotherm stratified charging system for **effective operation** and **lowest consumption costs**

Integrated **Powerbox, Hydrobox** and **magnetic separator**



Heliotherm Buffer Storage

300 . 500 . 850 . 1,500 Liters

Consistent heating water flow

Increased efficiency through optimum heat pump utilization

Efficient rigid foam **thermal insulation**



Heating, Cooling and Hot Water - All In One!

The Heliotherm Easy-To-Go (ETG) combined storage offers you a clever solution for all your heating, cooling and domestic hot water needs. The ETG combined storage joins the advantages of the Heliotherm buffer storage, a highly efficient fresh hot water system. This unique dual compartment combined storage buffer was specifically designed for the Comfort Compact Heat Pump Series. The hydraulic module integrates all the essential components for: the Fresh Hot Water System, the heating circulation pumps, domestic hot water, a backup heater, and a mud separator. Together, installation is greatly simplified and saving time.

ETG DUAL COMPARTMENT COMBINED STORAGE BUFFER		ETG500
Storage capacity warm water	l	335
Storage capacity heat	l	120
Flow rate	l/min	22
Dimension with insultaion (Ø x H)	mm	760 x 1.998
Tilting dimension	mm	2.140
Dimension Storage including Module	mm	960 x 1.998
Empty weight	kg	125

Essential Heat Reserve!

Efficiently stored heat of untapped thermal energy is retained for later use. The hot water buffer storage works primarily where the heat requirement is not constant. The heat is provided as needed, ensuring uniform heat supply. Assuring that the heat produced will always work with optimum performance.

STORAGE BUFFER		ZH-S3101N	ZH-S5101N	ZH-S9101N	ZH-S15101N
Storage capacity	l	300	476	805	1.500
Tilting dimension	mm	2.011	2.029	2.015 (ohne Isolierung)	2.335 (ohne Isolierung)
Dimension (Ø x H)	mm	660 x 1.900	750 x 1.920	790 x 1.990 (ohne Isolierung)	1.100 x 1.920 (ohne Isolierung)
Weight	kg	80	94	165	246

Control in real time

webcontrolAT®



We have innovation
in our DNA.



COMFORT COMPACT R290

7 kW . 10 kW . 15 kW . 18 kW

- High efficiency
- Maximum funding
- Eco-friendly refrigerant
- Integrated active cooling
- Heat outlet temperatures of up to 72 °C
- Photovoltaic connectivity



Innovative, easy to use and convenient heat pump control solution

The “webcontrolAT” is a resourceful and innovative heat pump control solution that regulates your household room temperatures -whether from home or on the go. The cooling and hot water preparation features are adjustable at any time. You stay in full control, notifications are immediately sent via SMS or email, keeping you updated at all times.

- Comprehensive control of your heat pump system
- Convenient browser-based operation
- No app and no software download required
- Compatibility with Modbus, KNX, PV Synchro, DI and Smart Grid
- Highest security standard due to VPN encryption
- Data security through local storage
- Live and long-term data can be accessed from any device using any browser, regardless of location

*A LAN connection is required. Speed, stability and cost of your wireless connection depend solely on the provider. It is also possible to fail proof connect by using a standard network cable. All information is under copyright law, and all rights are reserved for technical changes, design changes, errors in typesetting and printing. Date: May 2024.





Premium Heat Pumps

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