

GROUND SOURCE HEAT PUMP WITH BRINE PROBE

web control series
Heating capacity from 4 - 42 kW



The perfect combination

Together they achieve more. A simple truth that applies to our daily lives, applies to a sound and tried heat pump system. The Heliotherm brine heat pump uses a water-antifreeze compound that works as the working fluid in the system. With the use of the free environmental energy, this system gives your home comfortable warmth in the winter months and cooling comfort in hot summer temperatures.

Just as you wished

Flexibility can be drawn from this intelligent system. The heat pump can be fully implemented according to your requirements as a horizontal brine surface collector or as space-saving vertical brine probe. By simply reversing the refrigeration cycle in the summer your system can be used for cooling. Proven and innovative products, including the patented remote maintenance and regulating control fulfill higher expectations.



Advantages of a Heliotherm heat pump

- ✓ Annual performance factor: greater than "5" possible > highest possible grant funding*
- ✓ **Flexible system layout** > for vertical and horizontal.
- ✓ Active cooling and free environmental cooling energy (passive cooling) possible.
- ✓ Easy maintenance through two separate cycles > cost saving.
- ✓ **Quiet operation** through acoustic decoupling and special insulation design.
- ✓ Space saving installation possible.
- ✓ **Ideal for commercial installations.**
- ✓ Highest efficient use of free energy and low operating costs through Heliotherm's **patented twin-x® and dsi® technology.**
- ✓ Outlet temperatures of up to 60° C are possible due to the multi-sensor monitored cycle, also resulting in **higher operating reliability.**
- ✓ No additional immersion heating rod required - no hidden costs.



PERFORMANCE DATA – GROUND SOURCE HEAT PUMP WITH BRINE PROBE, WEB CONTROL SERIES

Heliotherm heat pump - type		HP05S 07W- WEB	HP07S 08W- WEB	HP08S 10W- WEB	HP10S 12W- WEB	HP12S 16W- WEB	HP16S 18W- WEB	HP20S 25W- WEB	HP28S 40W- WEB	HP32S 45W- WEB	HP42S 55W- WEB
Max. heat outlet temperature		60 °C*									
B0W35 to EN255/Δ 10 K	Heating capacity [kW]	6,06	7,13	7,98	10,47	12,70	15,62	21,06	28,31	31,54	42,23
	COP	4,87	4,87	4,84	4,89	4,96	4,95	4,85	4,83	4,81	4,85
B0W35 to EN14511 / Δ 5 K	Heating capacity [kW]	5,87	6,95	7,77	1,20	12,37	15,22	20,52	27,59	30,74	41,15
	COP	4,60	4,60	4,58	4,63	4,69	4,68	4,59	4,57	4,55	4,59
Dimensions in cm (H x W x D)		138 x 46 x 52	138 x 46 x 52	138 x 46 x 52	138 x 46 x 52	138 x 46 x 52	138 x 46 x 52	138 x 55 x 62	138 x 55 x 62	138 x 55 x 62	138 x 55 x 62

* Compressor specification

PERFORMANCE DATA – MODULATING GROUND SOURCE HEAT PUMP WITH BRINE PROBE, WEB CONTROL SERIES

Heliotherm heat pump - type		HP08S10W- M-WEB	HP12S16W- M-WEB	HP20S25W- M-WEB
Max. heat outlet temperature		60 °C*		
B0W35 to EN255/Δ 10 K	Heating capacity [kW]	12,3 - 4,1	15,6 - 5,1	20,1 - 7,2
	COP	4,93 - 4,97	4,93 - 4,99	4,93 - 5,03
B0W35 to EN14511 / Δ 5 K	Heating capacity [kW]	12,0 - 4,0	15,2 - 5,0	19,6 - 7,0
	COP	4,66 - 4,70	4,66 - 4,72	4,66 - 4,76
Dimensions in cm (H x W x D)		138 x 46 x 52	138 x 46 x 52	138 x 55 x 62



Heliotherm modulating technology**

Smarter, more efficient and flexible.

- Up to **25 % higher system efficiency**, lower CO₂ emissions than conventional heat pump systems.
- Long life through soft starter technique.
- More flexible system use of the heating system. Unused rooms can easily be excluded from the heating system.

** optional



Stepless modulation.

Adjusts to the building's heating demand. Changing outdoor temperatures require an individual smart heating system. Through the intelligent regulating control technology and the modulating compressor, the system will only use as much power as needed to produce the heat required. Thus, your heating costs will be automatically optimized all year round.

Exemplary efficiency.

Heliotherm heat pumps have been awarded with the **best possible classification by independent testing institutes**. Tested and approved heat pumps and granting Heliotherm with required energy efficiency labels. In addition the Tyrolean heat pump manufacturer fulfills its leadership role in terms of efficiency with the international seal of approval for tested quality and numerous patents. **Lowest operating costs with maximum environmental awareness** you can count on.

Maximum use of subsidies.

High annual coefficient performance results allow for application to **maximum state and federal grants**. Your Heliotherm expert partner can inform you about the individual grant development opportunities in your area.

Heliotherm expert partners, your guarantee for excellence.

Our customers can rely on a specialist business that offers **one-stop services!** Certified heat pump specialists that provide: **consulting, planning, assembly installation and service!** From the floor heating to the heat pump system - from the regulating control to the refrigeration technology - from planning through to the complete installation and service – top products and a **competent partner you can rely on!**



Remote maintenance capable through Heliotherm's web control® for global access control via internet or mobile.



Twin-x optimizes refrigerant
Additional free energy from the environment is used for heating by means of Heliotherm's registered twin-x technology®.



Electronic regulated working fluid
The Heliotherm patented DSI-technology® automatically adjusts to the changed operating conditions and therefore considerably **lowers operating costs**.

Presented by your Heliotherm expert partner.