

BRINE & GROUND SOURCE HEAT PUMP – LARGE UNITS

Heating capacity from 48 - 105 kW



Strong and durable performance

Constant and efficiency – flexibility and reliability is essential in our everyday business world. Heliotherm industrial heat pumps meet these expectations with innovative featured technology: The powerful and high performance systems are available in ground water and brine. This state of the art heat pump system operates smoothly, has low maintenance, is safe for our environment and your budget.

Two systems - One reliable partner

Heliotherm stands for the highest quality, innovative technology, efficiency and product reliability. In order to meet these demands in a heating system, Heliotherm offers large heat pumps in ground water or brine types. These heat pump systems can cool actively or passively and they can be connected to other heat pumps. The system is easily accessible for maintenance work and is particularly quiet for the industrial sector.



Advantages of a Heliotherm heat pump

- ✓ **High performance** with minimal power consumption.
- ✓ Compatible for central building control.
- ✓ Possible "cascade technology" - multiple joined heat pump system.
- ✓ Passive cooling - **free cooling energy** from the environment.
- ✓ **Attractive and special sound reducing compact design.**
- ✓ **Intelligent control** for domestic hot water preparation.
- ✓ Control of an external heating back-up system possible.
- ✓ **Easy maintenance** through two separate cycles > cost saving.
- ✓ Efficiency control possible.
- ⊞ Highest efficiency and low operating costs with Heliotherm's patented **dsi® technology.**
- ✓ Outlet temperatures of up to 60 °C are possible due to the multi-sensor monitored cycle, resulting in **higher operating safety and reliability.**
- ✓ No additional immersion heating rod required - no hidden costs.
- @ **Weather sensed heating** and heat pump control - multi - extended > customized to suit your needs.



PERFORMANCE DATA – BRINE SOURCE HEAT PUMP – LARGE UNITS

Heliotherm heat pump - type		HP50S70W-WEB CASCADE	HP65S85W-WEB CASCADE	HP90S110W-WEB CASCADE
Max. heat outlet temperature		60 °C*		
B0W35 to EN255/Δ 10 K	Heating capacity [kW]	51,81	64,78	83,78
	COP	4,61	4,60	4,59
B0W35 to EN14511/Δ 5 K	Heating capacity [kW]	49,54	61,94	80,12
	COP	4,20	4,19	4,15
Dimensions in cm (H×W×D)		170 x 70,4 x 90	170 x 70,4 x 90	170 x 70,4 x 90

PERFORMANCE DATA – GROUND SOURCE HEAT PUMP – LARGE UNITS

Heliotherm heat pump - type		HP50S70W-WEB CASCADE	HP65S85W-WEB CASCADE	HP90S110W-WEB CASCADE
Max. heat outlet temperature		60 °C*		
W10W35 to EN255/Δ 10 K	Heating capacity [kW]	66,37	82,49	104,75
	COP	5,76	5,74	5,56
W10W35 to EN14511/Δ 5 K	Heating capacity [kW]	64,20	79,80	101,40
	COP	5,31	5,28	5,12
Dimensions in cm (H×W×D)		170 x 70,4 x 90	170 x 70,4 x 90	170 x 70,4 x 90

* Compressor specification



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.



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.