

GROUND SOURCE HEAT PUMPS

6/8/10/13/17 kW

TERRA SW Complete HGL



THE ENERGY FAMILY



Controlled HGL technology for maximum hot water convenience and a long lifecycle

High COP of 4.8 guarantees low energy consumption

Sound Reduction System SRS for silent operation

NAVIGATOR control system to optimise energy consumption and convenience



We take care of your well-being.

Leading technology from IDM. Expertise from installers.

www.idm-energie.com

THE ADVANTAGES OF AN IDM GROUND SOURCE HEAT PUMP.

We are pioneers in the field of heat pumps. It is our objective to improve our heat pumps for the benefit of our customers year after year.

MAXIMUM INNOVATION

- Independently tested top COP of 4.8 as per EN 14511 and the EHPA seal of approval
- Suitable for Smart Grids: for intelligent use of in-house photovoltaic energy or favorable energy tariffs



MAXIMUM EFFICIENCY

- Optimised seasonal performance by electronic injection
- Stand-by mode: disconnection of all electrical consumers
- Integrated high-efficiency pumps for brine- and heating circuit (Complete HGL)

MAXIMUM COMFORT

- Simple and versatile operation with the Navigator® control system
- Remote maintenance and control via bus, Internet and APP
- Heating, cooling and hygienic hot water with one system



SOUND REDUCTION SYSTEM SRS

A specially sound-insulated housing, triple-damped compressor storing, flexible connecting hoses and cutting-edge insulation materials reduce the TERRA SW Complete HGL geothermal heat pump's noise emissions to a minimum.



NAVIGATOR® CONTROL SYSTEM

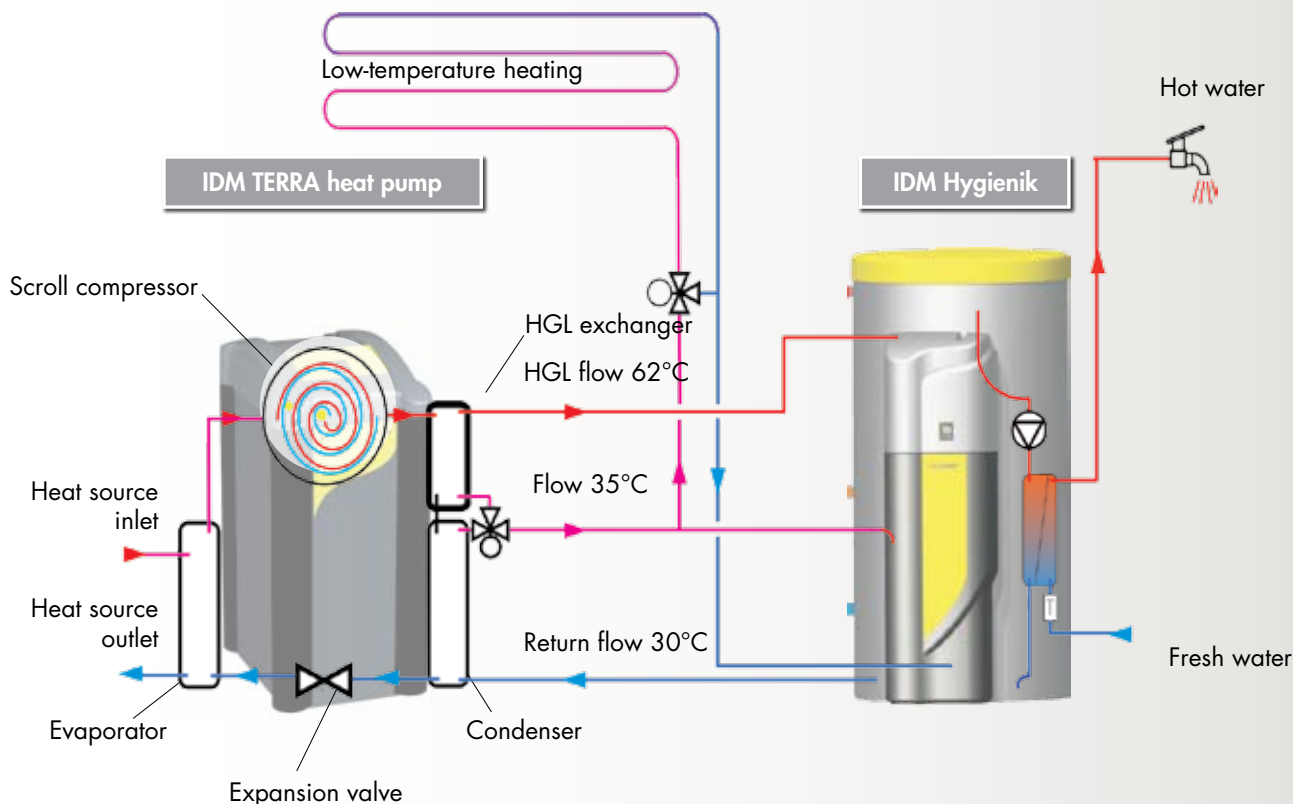
The NAVIGATOR® represents a simple and versatile heat pump control system. Up to 6 heating circuits can be controlled individually. That means six different time schedules for heating and six different temperature zones in the house. The control system for a simple solar thermal energy system has already been integrated and different connections are easy to implement. Regardless of whether you want to control the heating via the internet, via your mobile phone, via your BUS system or directly. The NAVIGATOR® can do all that and also record data for more than 1 year in an operation log saved on an SD card or at myidm.at



CONTROLLED HGL TECHNOLOGY WITH HYGIENIK FRESH WATER HEATING.

Save costs because the controlled HGL technology means more than 85% of the energy is fed into the heating circuit at 35°C.

The second section reaches a temperature of 62°C, and the content is made available for hot water preparation via the Hygienik tank with fresh water technology. Water is only heated when hot water is tapped. The water in the storage tank is for heating only. As a result, hot water is always fresh and the formation of microorganisms such as Legionella and other bacteria is prevented.

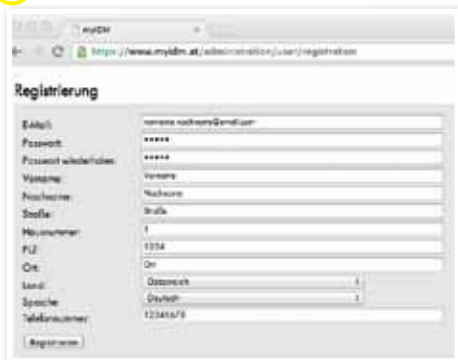


3 steps to myIDM.at

1. Connect the heat pump to the internet.



2. Register at www.myIDM.at.



3. Log on heat pump in the system:

You can NOW access it using your PC or smartphone.



YOUR BENEFITS:

1. You control the heat pump whenever and from wherever you want.
2. You have the option to call service before the heating fails.

TECHNICAL DATA:

TERRA SW (Complete HGL)

TERRA type		Unit	SW 6	SW 8 (C HGL)	SW 10 (C HGL)	SW 13 (C HGL)	SW 17 (C HGL)
TERRA SW Complete (HGL) Brine circuit heat pump with R410A at S0/W35	Heating capacity ₁	kW	5.83 kW	7.56 kW	10.58 kW	13.36 kW	17.18 kW
	Power consumption ₁	kW	1.31 kW	1.66 kW	2.20 kW	2.78 kW	3.64 kW
	COP ₁		4.45	4.55	4.80	4.80	4.71
TERRA SW Complete (HGL) Ground water heat pump with R410A at W10/W35	Heating capacity ₁	kW	7.11 kW	9.80 kW	12.90 kW	17.52 kW	21.50 kW
	Power consumption ₁	kW	1.30 kW	1.67 kW	2.20 kW	2.77 kW	3.70 kW
	COP ₁		5.46	5.86	5.86	6.32	5.81
Dimensions (WxDxH)		mm	622x762x1330	622x762x1330	622x762x1330	622x762x1330	622x762x1330
Weight with controlled HGL technology and Complete		kg	-	200	210	215	220
Weight without HGL		kg	130	140	150	155	160

TERRA DE HGL

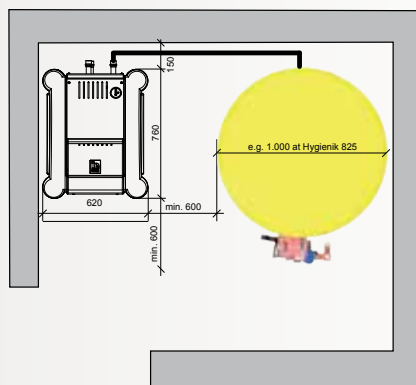
TERRA type	Unit	DE 9	DE 11	DE 13	
TERRA DE HGL featuring EVR technology with direct evaporation in the ground for R407C at E4/W35	Heating capacity ₁	kW	9.14 kW	10.73 kW	13.12 kW
	Power consumption ₁	kW	1.92 kW	2.24 kW	2.72 kW
	COP ₁		4.76	4.80	4.82
Dimensions (WxDxH)	mm	622x762x1330	622x762x1330	622x762x1330	
Weight	kg	142	148	153	

1: according to EN14511 with 5K splay between flow and return

The scope of delivery of the TERRA SW Complete HGL and the TERRA DE includes the NAVIGATOR heat pump control system as well as connecting hoses. The TERRA SW Complete HGL is also supplied as a "Plug & Heat" system: the loading pump, the expansion tank, the priority valve for hot water, the safety group, the overflow valve and of course the HGL exchanger and the HGL valve are pre-installed. A highly efficient brine pump as well as the brine expansion tank are also pre-installed for heat sources and the brine safety group is included in delivery.

Simple installation in confined spaces

Thanks to the small required installation space, the TERRA SW Complete HGL ground source heat pump and Hygienik storage unit are easily installed. You may also decide to install the unit in a storage or hobby room as the heat pump does not require fire prevention mechanisms. For more details please refer to the installation instructions or your IDM installer.



EN ISO 9001
Zertifikat Nr. 20 100 6383
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