

TERRA SW Complete GROUND SOURCE HEAT PUMP



HEAT PUMPS FROM AUSTRIA

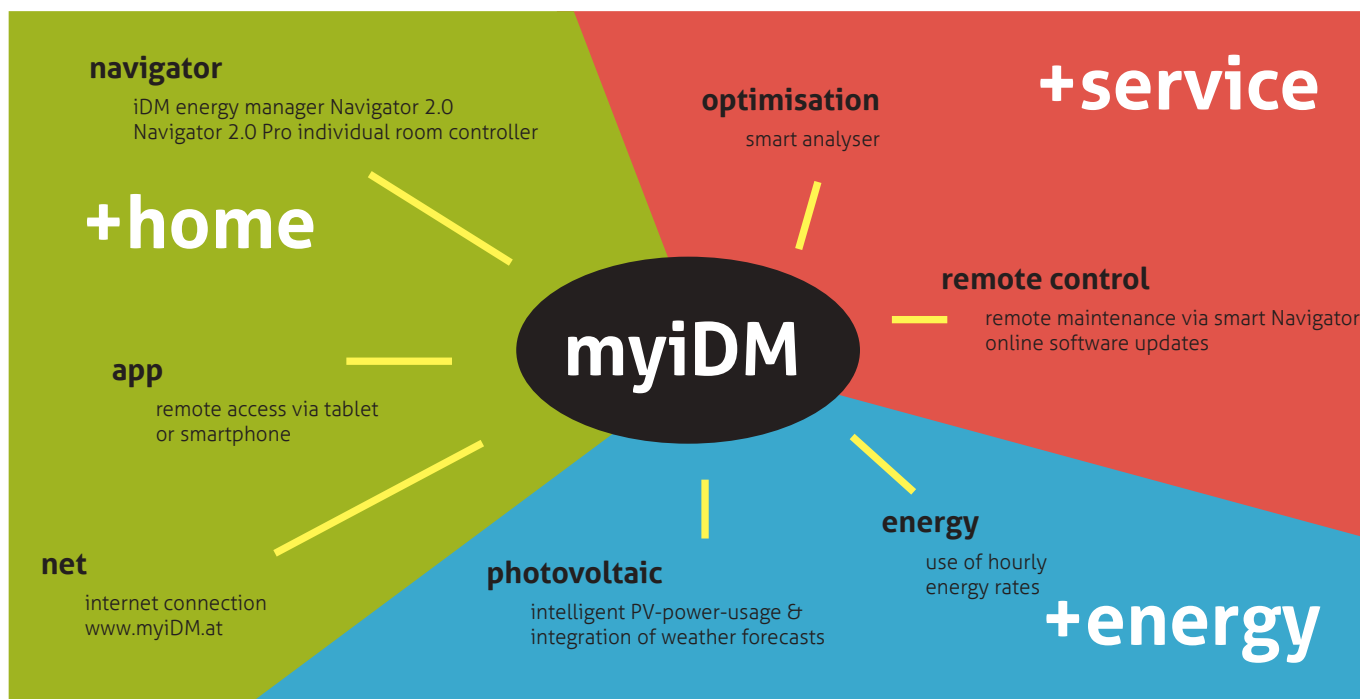
www.idm-energie.at

GROUND SOURCE HEAT PUMP **TERRA SW Complete** 6/8/10/13/17 kW

- Controlled HGL technology for maximum hot water convenience and a long lifecycle
- High COP of 6.3 guarantees low energy consumption
- Sound Reduction System SRS for silent operation
- Navigator control system to optimise energy consumption and convenience
- Research, development and production in Austria

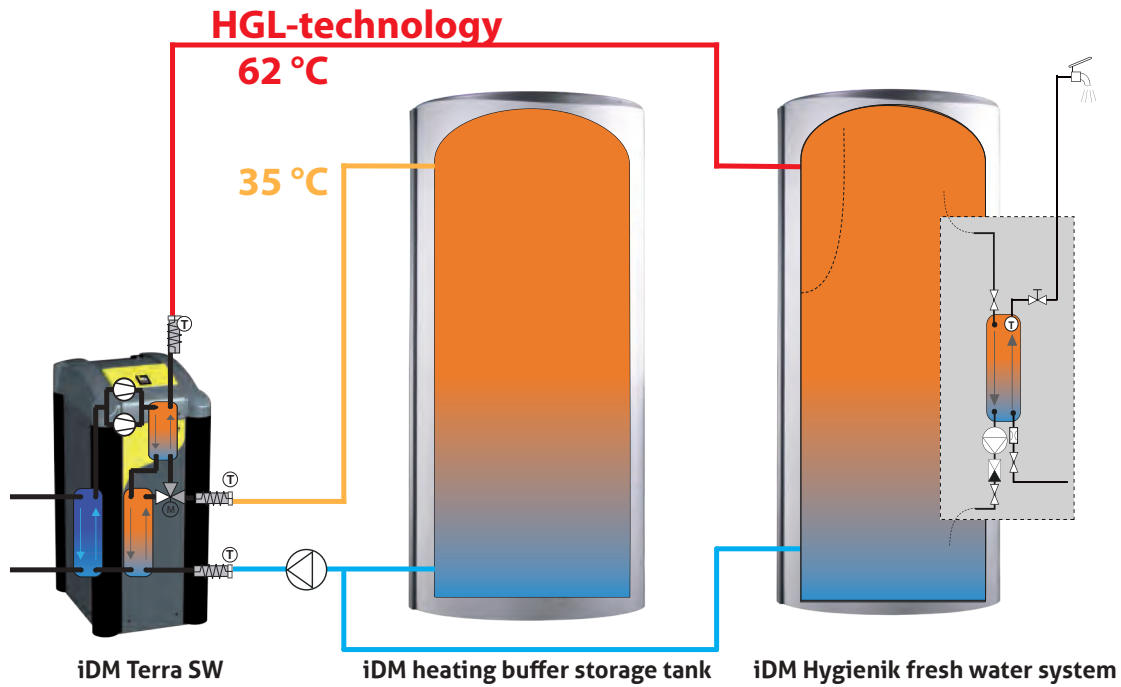


THE **iNTELLIGENT** HEAT PUMP



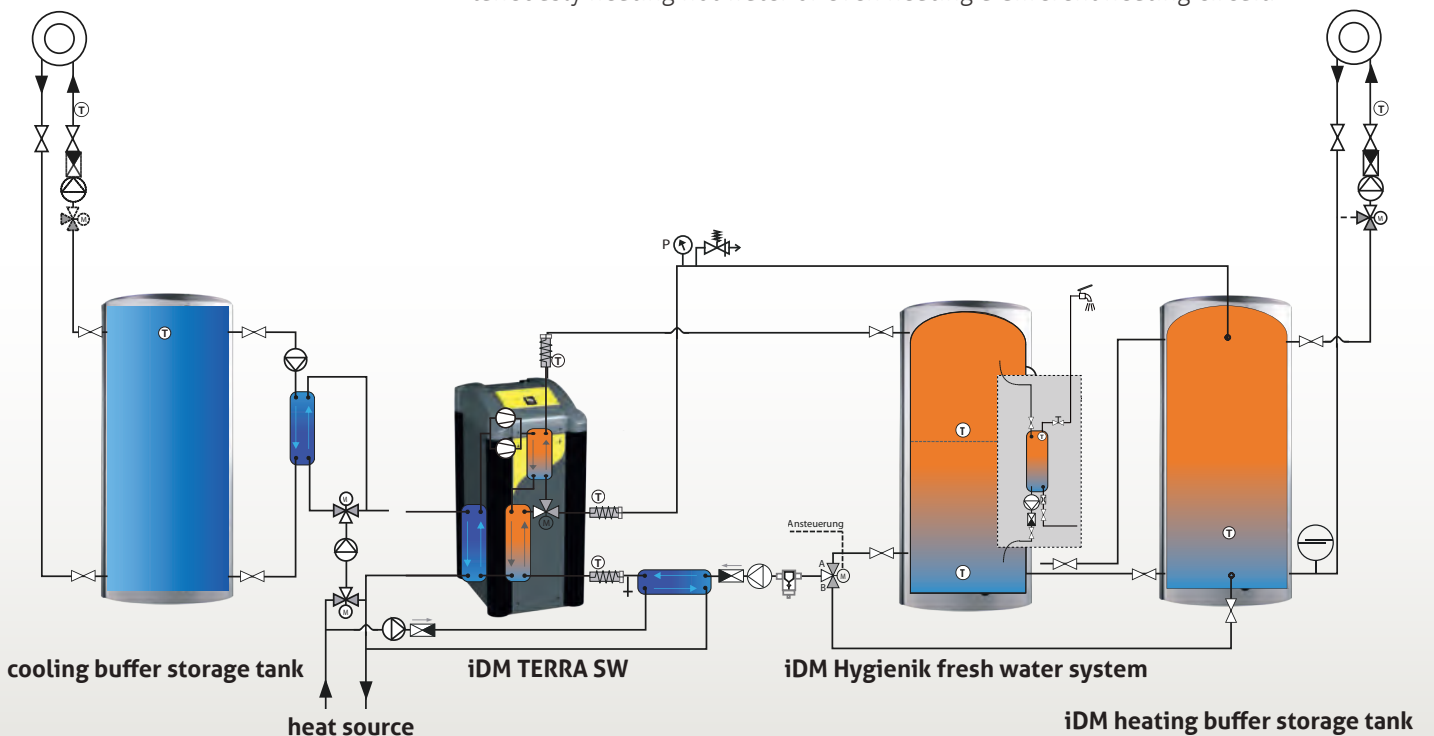
HOT WATER WITH iDM'S CONTROLLED HOT GAS LOADING TECHNOLOGY (HGL)

iDM heat pumps save costs, because the controlled HGL technology means more than 85 % of the energy is fed into the heating circuit at 35 °C. The remaining part 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.



COOLING

In addition to the energy-saving passive cooling function and the effective active cooling function with reversible heat pump, you can also use iDM's system cooling feature (see illustration). In this process, the system uses the hot water production return and the low geothermal temperatures for cooling, while simultaneously heating hot water or even heating a different heating circuit.



TECHNICAL DATA

TERRA SW Complete ground source heat pump

Type TERRA SW		Unit	6	8	10	13	17
Versions			Complete	Complete Complete HGL Complete HGL 230V	Complete Complete HGL Complete HGL P Complete HGL 230V	Complete Complete HGL Complete HGL 230V	Complete Complete HGL Complete HGL P
Energy efficiency class package label brine circuit (heat pump + temperature control)		-	A ⁺	A ⁺	A ⁺	A ⁺⁺	A ⁺⁺
TERRA SW Brine circuit heat pump with R410A ²⁾ at B0/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
Energy efficiency class package label ground water (heat pump + temperature control)		-	A ⁺⁺	A ⁺⁺⁺	A ⁺⁺⁺	A ⁺⁺⁺	A ⁺⁺⁺
TERRA SW Ground water heat pump with R410A ²⁾ at W10/W35	Heating capacity ¹⁾	kW	7,11 kW	9,63 kW	12,71 kW	17,52 kW	22,34 kW
	Power consumption ¹⁾	kW	1,30 kW	1,63 kW	2,09 kW	2,78 kW	3,79 kW
	COP ¹⁾	-	5,44	5,89	6,08	6,29	5,88
Dimensions (HxWxD)		mm	1330x620x760	1330x620x760	1330x620x760	1330x620x760	1330x620x760
Weight with controlled HGL technology		kg	-	200	210	215	220
Weight without HGL		kg	180	190	200	205	210

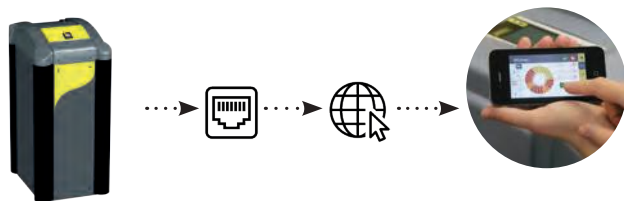
¹⁾ According to EN14511 with 5K splay between flow and return

²⁾ The heat pump contains the F-Gas R410A and is subject to the provisions of F-Gas regulation EU/517/2014.

SIMPLE REGULATION - 3 steps to „myiDM.at“

1. Connect the heat pump to the internet.
2. Register at www.myiDM.at
3. Log on your heat pump in the system.

Your benefit: You determine your heat pump when and from where you want - including the possibility to remote maintenance.



© iDM ENERGIESYSTEME GMBH
Seblas 16-18 | A-9971 Matrei in Osttirol
www.idm-energie.at | team@idm-energie.at

02.2018/8183811 • iDM product sheet TERRA SW Complete EN
Changes & errors excepted.

