

TERRA SWM GROUND SOURCE HEAT PUMP



iNTELLiGENT HEAT PUMPS FROM AUSTRIA
www.idm-energie.com

TERRA SWM 3-13 AND TERRA SWM 6-17

BRINE OR GROUND WATER HEAT PUMP

The new TERRA SWM is a **modulating ground source heat pump** for **efficient power adaptation**. The heating, cooling and domestic hot water preparation for detached houses and two-family houses is a child's play to the new TERRA SWM. The **heat output** of the heat pump is **continuously adjusted by modulation** between 3 kW and 13 kW or 6 kW and 17 kW to the actual heat requirement. Brine as well as groundwater can be used as heat source. Using high-quality components and CIC inverter cooling, the TERRA SWM is a highly efficient heat pump with a **COP of 5.01 bzw. 4.97**.

- ◉ Inverter controlled power modulation
- ◉ High COP of 5.01 (SWM 3-13) or 4.97 (SWM 6-17) guarantees low energy consumption
- ◉ Navigator 2.0 control system with 7" colour touch display
- ◉ Very small installation space required - only 0.45 m²
- ◉ Heating, cooling & hot water
- ◉ Photovoltaic control
- ◉ Controlled HGL technology for maximum hot water convenience and a long lifecycle
- ◉ Voice control of the most important functions



THE iNTELLiGENT iDM HEAT PUMP

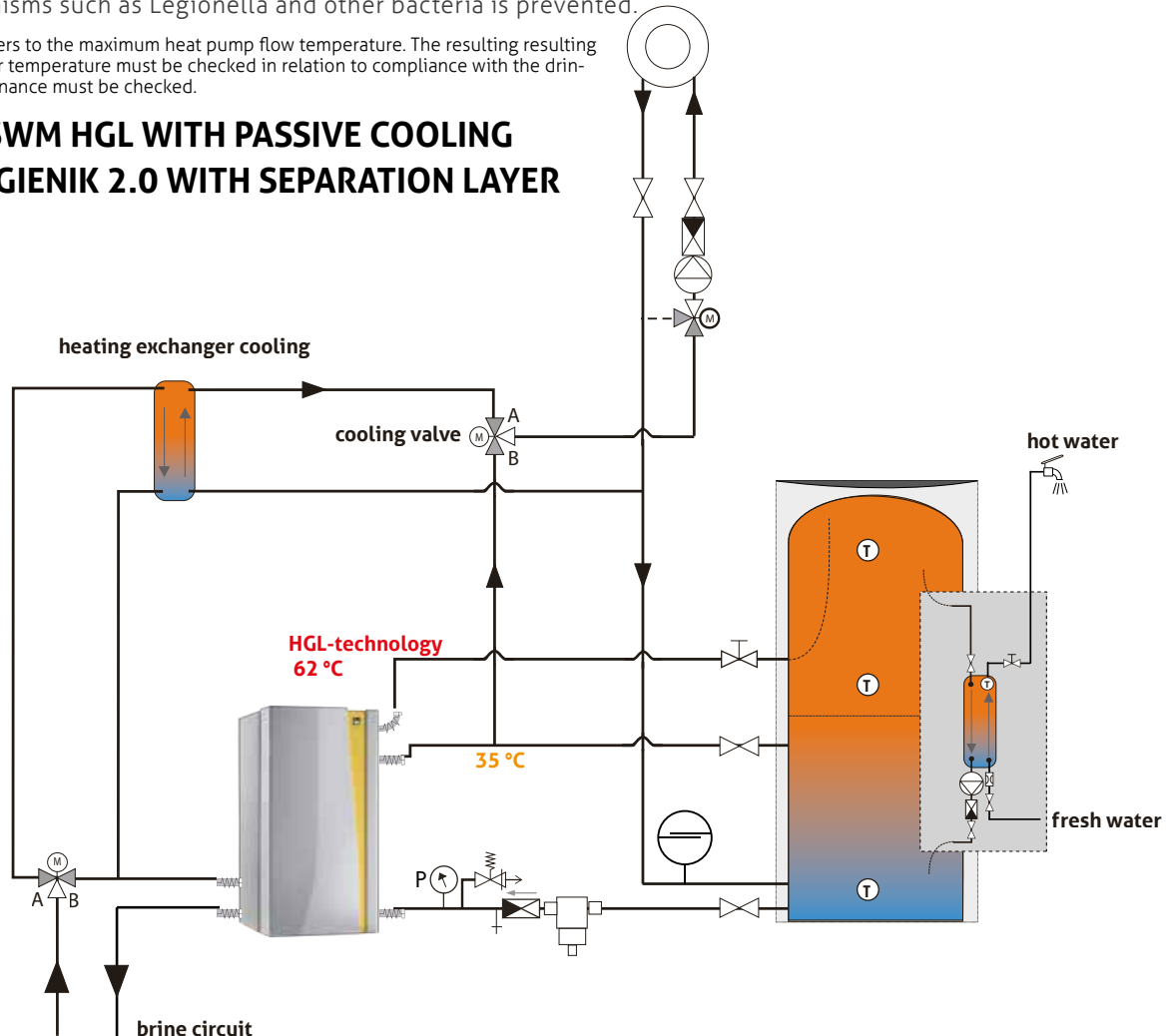


THE BENEFITS OF CONTROLLED HGL TECHNOLOGY WITH HYGIENIC FRESH WATER HEATING

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 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.

*) The 62°C refers to the maximum heat pump flow temperature. The resulting resulting lower hot water temperature must be checked in relation to compliance with the drinking water ordinance must be checked.

TERRA SWM HGL WITH PASSIVE COOLING AND HYGIENIK 2.0 WITH SEPARATION LAYER PLATE



SIMPLE REGULATION - ONLY 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.



What you can see on the Navigator 2.0 touch display, you can also see and operate on your smartphone!

TECHNICAL DATA

TERRA SWM GROUND SOURCE HEAT PUMP

Technical data in compliance with EN14511	UNIT	SWM 3 - 13 HGL	SWM 6 - 17 HGL	SWM 6 - 17 HGL P
Inverter technology (modulation)	-	yes	yes	yes
Output range	kW	3 - 13	6 - 17	6-17
Energy efficiency class package label brine circuit (heat pump + temperature control) ¹⁾		A+++ / A+++	A+++ / A+++	A+++ / A+++
Heat output at B0/W35 (brine) at maximum speed	kW	13,28	17,64	17,64
Heat output at B0/W35 (brine) at nominal speed	kW	6,60	11,42	11,42
COP at B0/W35 (brine) at nominal speed	-	5,01	4,97	4,97
Energy efficiency class package label ground water (heat pump + temperature control) ¹⁾		A+++ / A+++	A+++ / A+++	A+++ / A+++
Heat output at W10/W35 (ground water) at maximum speed	kW	13,25	21,93	21,93
Heat output at W10/W35 (ground water) at nominal speed	kW	8,70	15,24	15,24
COP at W10/W35 (ground water) at nominal speed	-	6,77	6,46	6,46
Cooling capacity at B30/W18 (brine) at nominal speed	kW	-	-	16,56
EER at B30/W18 (brine) at nominal speed	-	-	-	5,19
Refrigerant ²⁾	-	R410A	R410A	R410A
Max. flow temperature	°C	62	62	62
Main current power supply	V	400	400	400
Control circuit power supply	V	230	230	230
Dimensions HxWxD	mm	1262x620x762		
Weight SWM HGL/HGL P	kg	170	201/207	
Sound power level indoor unit - nominal speed	dB(A)	41	44	44

¹⁾ Energy efficiency class according to EU regulation No. 811/2013 heating, at a flow temperature: 35 °C / 55 °C.

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



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Changes and errors excepted.

