

# TERRA SWM GROUND SOURCE HEAT PUMP



## HEAT PUMPS FROM AUSTRIA

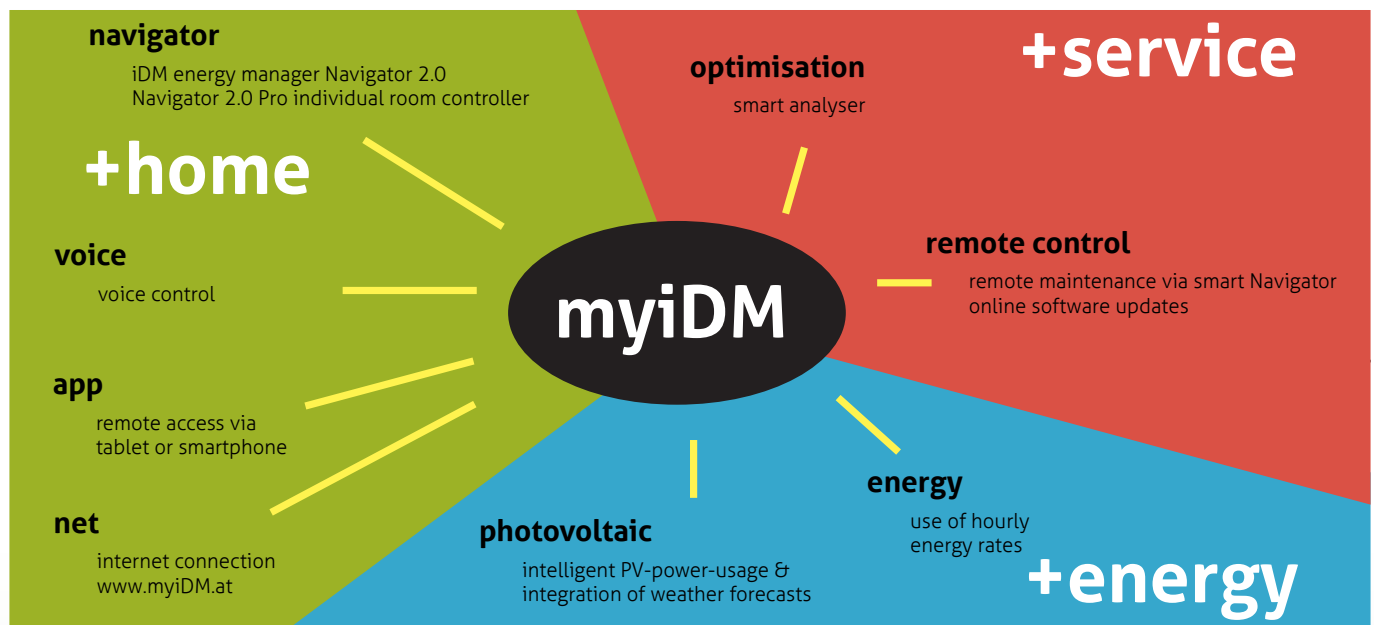
[www.idm-energie.at](http://www.idm-energie.at)

# 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 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**.

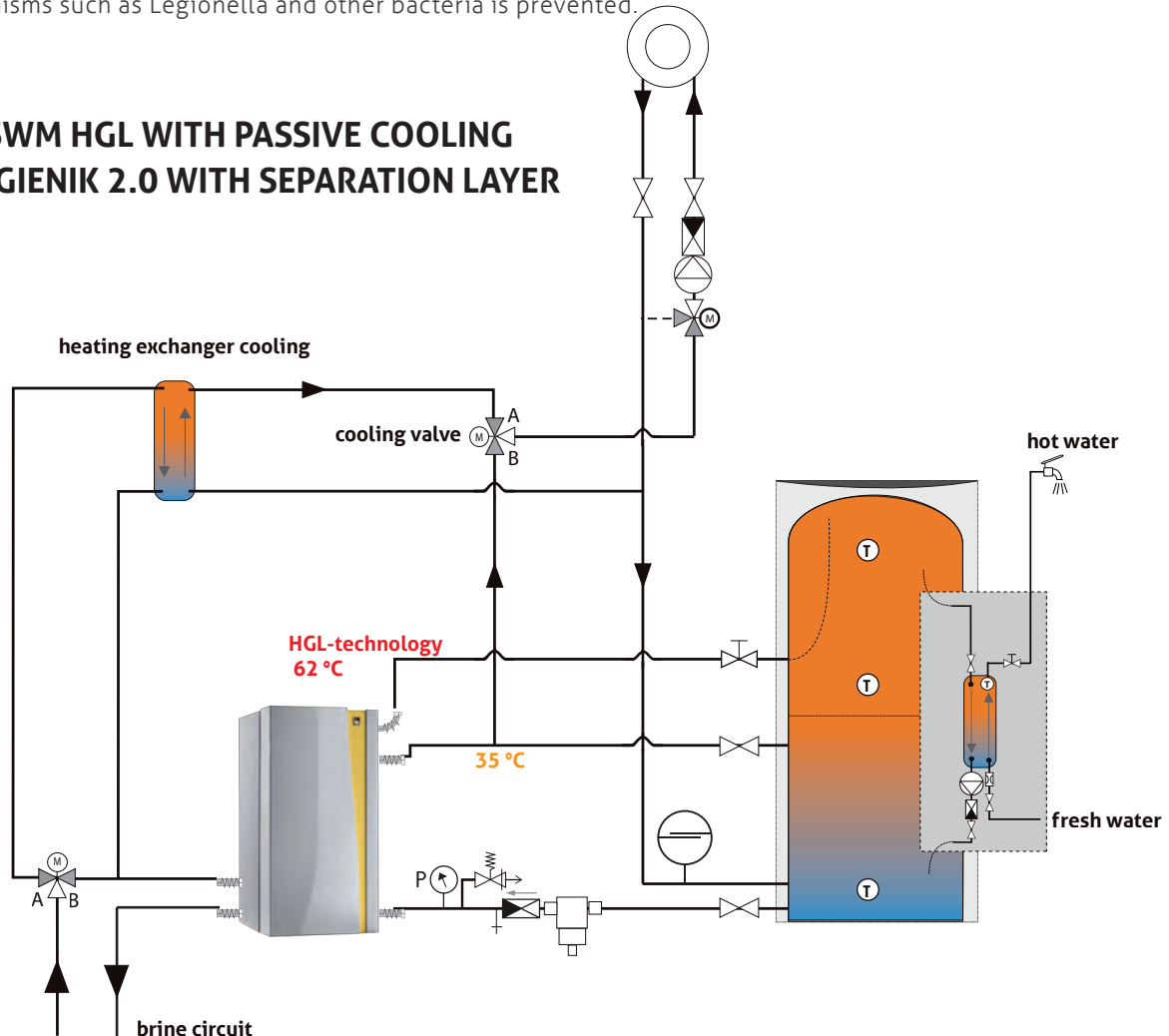
- ◉ Inverter controlled power modulation
- ◉ High COP of 5,01 (SWM 3-13) or 4,97 (SWM 6-17) guarantees low energy consumption
- ◉ Navigator 2.0 control system with 7" colour touch display
- ◉ Very small installation space required - only 0,45 m<sup>2</sup>
- ◉ Heating, cooling & hot water
- ◉ Photovoltaic control
- ◉ Controlled HGL technology for maximum hot water convenience and a long lifecycle
- ◉ Voice control of the most important functions



# THE 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.

## 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](http://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 without HGL	SWM 3 - 13 HGL P	SWM 3 - 13 P 230 V without HGL*)	SWM 6 - 17 HGL without HGL	SWM 6 - 17 HGL P
Inverter technology (modulation)	-	yes	yes	yes	yes	yes
Output range	kW	3 - 13	3-13	3-13	6 - 17	6-17
Energy efficiency class package label brine circuit (heat pump + temperature control)		A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heat output at B0/W35 (brine) at maximum speed	kW	13,28	13,28	13,28	17,64	17,64
Heat output at B0/W35 (brine) at nominal speed	kW	6,60	6,60	6,60	11,42	11,42
COP at B0/W35 (brine) at nominal speed	-	5,01	5,01	5,01	4,97	4,97
Energy efficiency class package label ground water (heat pump + temperature control)		A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heat output at W10/W35 (ground water) at maximum speed	kW	13,25	13,25	13,25	21,93	21,93
Heat output at W10/W35 (ground water) at nominal speed	kW	8,70	8,70	8,70	15,24	15,24
COP at W10/W35 (ground water) at nominal speed	-	6,77	6,77	6,77	6,46	6,46
Cooling capacity at B30/W18 (brine) at nominal speed	kW	-	9,70	9,70	-	16,56
EER at B30/W18 (brine) at nominal speed	-	-	6,34	6,34	-	5,19
Refrigerant <sup>1)</sup>	-	R410A	R410A	R410A	R410A	R410A
Max. flow temperature	°C	62	62	62	62	62
Main current power supply	V	400	400	230	400	400
Control circuit power supply	V	230	230	230	230	230
Dimensions HxWxD	mm	1262x620x762				
Weight SWM without HGL/HGL/HGL P	kg	165/170/175			196/201/207	
Sound power level indoor unit - nominal speed	dB(A)	41	41	41	44	44

<sup>1)</sup> The heat pump contains the F-Gas R410A and is subject to the provisions of F-Gas regulation EU/517/2014.

\*) SWM 3-13 P 230 V available from April 2020.



© aleshin - fotolia.com



© iDM ENERGIESYSTEME GMBH

Seblas 16-18 | A-9971 Matrei in Osttirol

www.idm-energie.at | team@idm-energie.at

03.2020/81838941 • iDM product sheet SWM ground source heat pump  
Changes and errors excepted.