

# TERRA SW Twin GROUND SOURCE HEAT PUMP



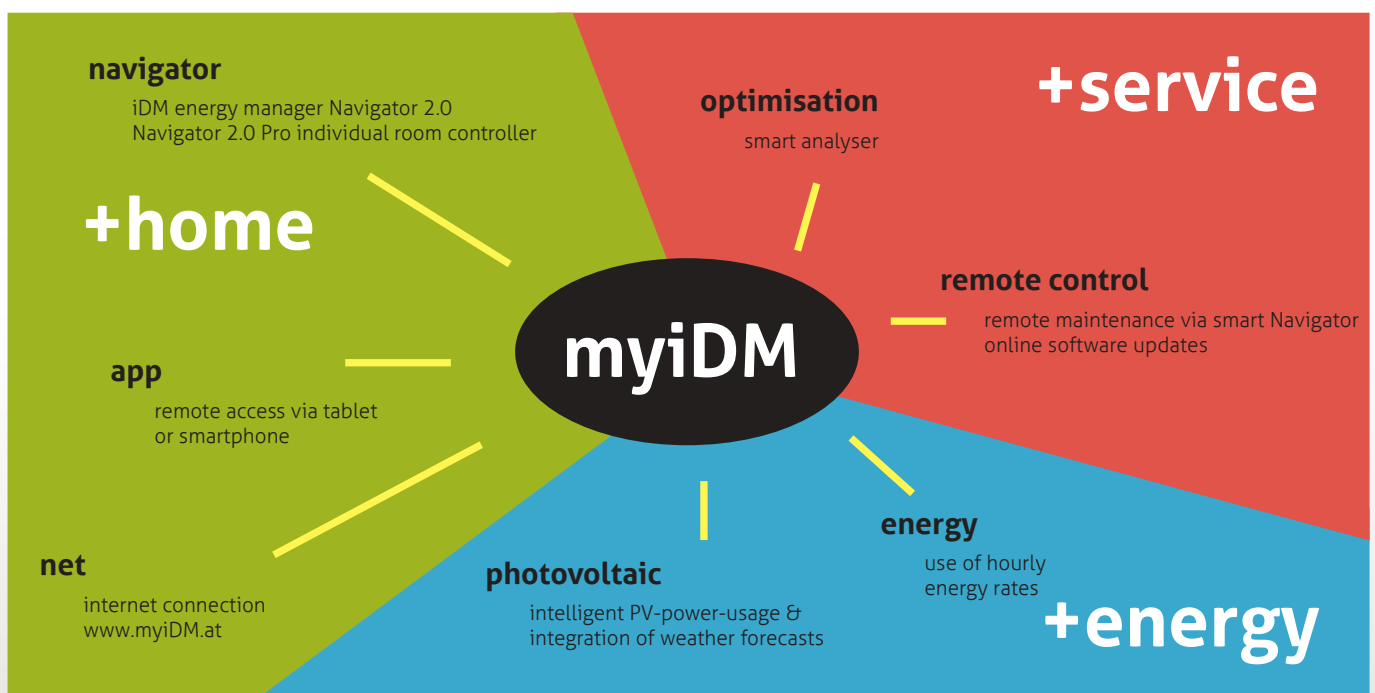
## HEAT PUMPS FROM AUSTRIA

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

# GROUND SOURCE HEAT PUMP **TERRA SW Twin** 20/26/35/42 kW

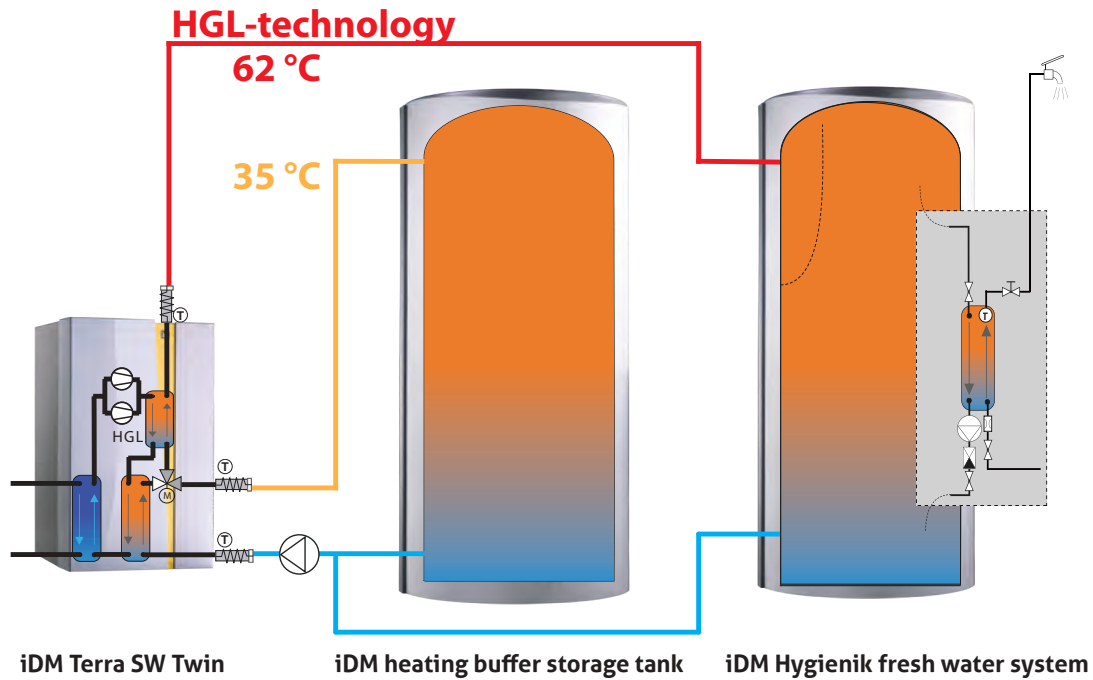
The iDM TERRA SW heat pump with TWIN technology offers **2 scroll-compressors** for stage control in one housing. This means **double power** and **double safety** with **enhanced flexibility** and a **longer service life**.

- ◉ **Two compressors for demand-based output adaptations**
- ◉ **Controlled HGL technology for maximum hot water convenience and a long lifecycle**
- ◉ **High COP of 5.17 for low energy consumption**
- ◉ **Sound Reduction System for silent operation**
- ◉ **Navigator 2.0 control system to optimise energy consumption and convenience**
- ◉ **Research, development and production in Austria**



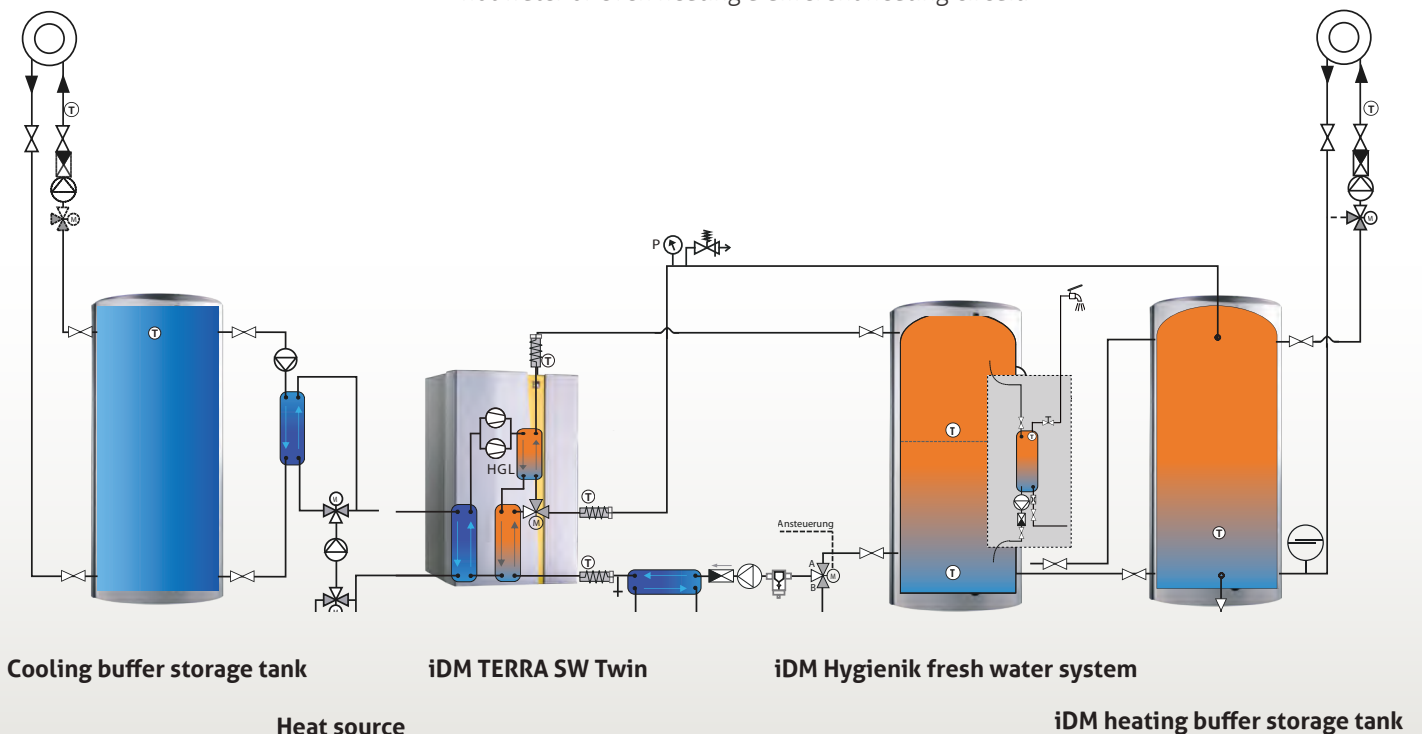
# HOT WATER WITH iDM'S CONTROLLED HOT GAS LOADING TECHNOLOGY (HGL)

The **iDM TERRA SW Twin heat pump** with controlled **HGL technology** not only offers **twice the comfort**, but also helps to **save** on the use of additional energy sources and their associated **costs**. This innovative technology makes your energy go a long way. It divides the energy accordingly: 85 % of the energy goes into the heating circuit at 35 °C. The remaining part reaches around 62 °C - for hot water supply via the Hygienik buffer storage tank.



## 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 Twin ground source heat pump

Type TERRA SW		Unit	20 Twin	26 Twin	35 Twin	42 Twin
Versions			without HGL HGL	without HGL HGL, HGL P	without HGL HGL	without HGL HGL, HGL P
Energy efficiency class package label brine circuit (heat pump + temperature control)			A**	A**	A+++	A**
B0/W35	Heating capacity <sup>1)</sup>	kW	20,42	26,02	35,25	41,97
	Power consumption <sup>1)</sup>	kW	4,18	5,35	7,11	8,82
	COP <sup>1)</sup>		4,89	4,86	4,96	4,76
B0/W35 single-stage	Heating capacity <sup>1)</sup>	kW	10,65	13,65	18,39	21,86
	Power consumption <sup>1)</sup>	kW	2,09	2,73	3,56	4,41
	COP <sup>1)</sup>		5,10	4,99	5,17	4,96
Energy efficiency class package label ground water (heat pump + temperature control)			A+++	A+++	A+++	A+++
W10/W35	Heating capacity <sup>1)</sup>	kW	27,32	35,07	46,38	55,38
	Power consumption <sup>1)</sup>	kW	4,18	5,48	7,24	9,14
	COP <sup>1)</sup>		6,53	6,40	6,41	6,06
Refrigerant <sup>2)</sup>			R410A			
Dimensions (HxWxD)		mm	1263x760x764			
Weight with controlled HGL technology		kg	265	272	278	287
Weight without HGL		kg	260	265	273	280

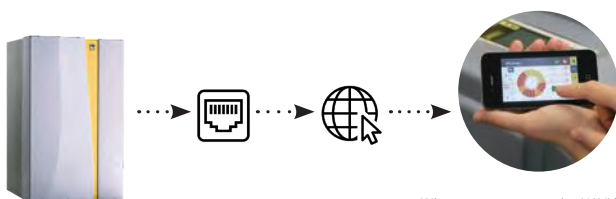
<sup>1)</sup> according to EN14511 with 5K splay between flow and return

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

### 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 heat pump in the system.

You may now access it using your PC or smartphone - control and access to the heat pump whenever and from wherever you want!



What you can see on the NAVIGATOR 2.0 touch display, you can also see and use on your smartphone!



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04.2018/8183841 • iDM product sheet TERRA SW Twin  
 Changes & errors excepted.

