

# ML AIR SOURCE HEAT PUMP



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## HEAT PUMPS FROM AUSTRIA

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

# ML Complete HGL AIR SOURCE HEAT PUMP OUTDOOR INSTALLATION 5 - 18 KW

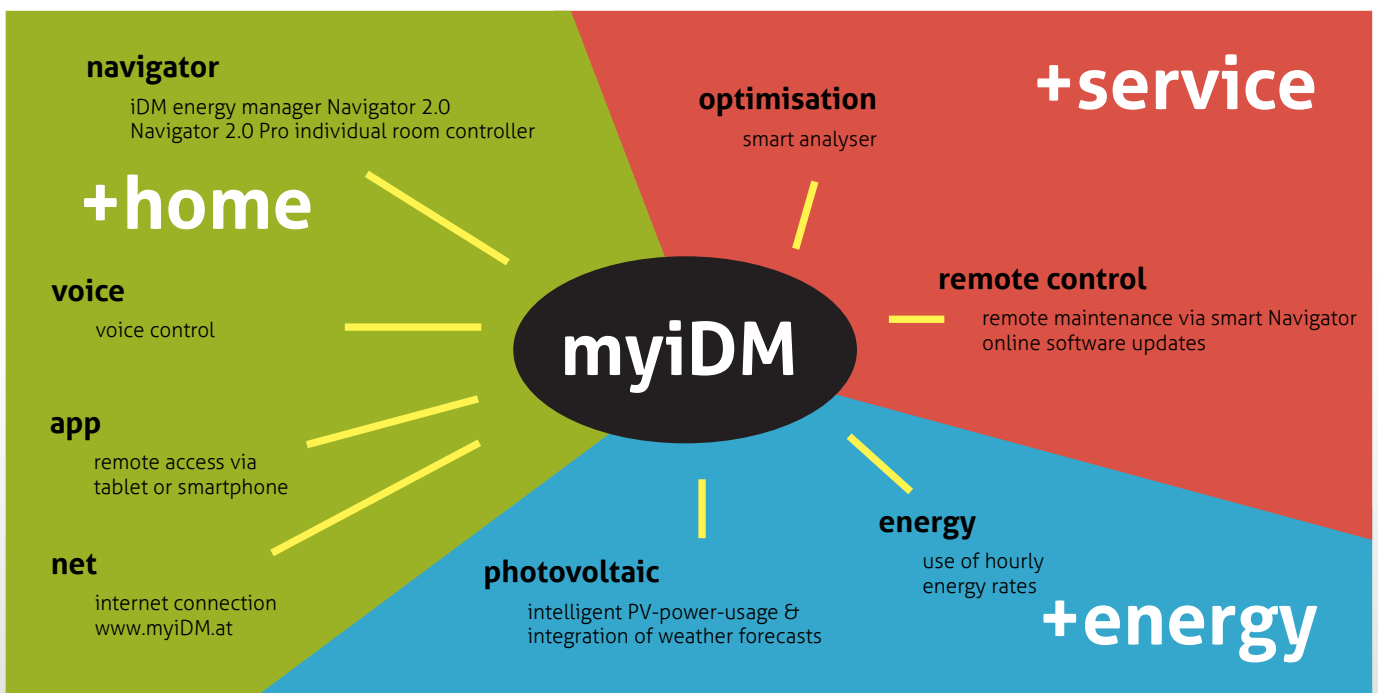
You naturally need a higher heating capacity in your home during a cold winter compared to spring, summer or autumn. The TERRA ML modulating air-heat pump takes this into consideration and supplies for instance outputs between 5 and 13 kW (ML 8 - 13 variant)

- ⦿ **Output modulation with CIC technology for a lower energy consumption**
- ⦿ **Sound Reduction System SRS**
- ⦿ **Heating & cooling**
- ⦿ **NAVIGATOR 2.0 control system with capacitive 7" colour touch display to optimise energy consumption and convenience**
- ⦿ **Controlled HGL technology for maximum hot water convenience and a long service life**
- ⦿ **Voice control of the most important functions**



## PERFORMANCE MODULATED HEAT PUMP

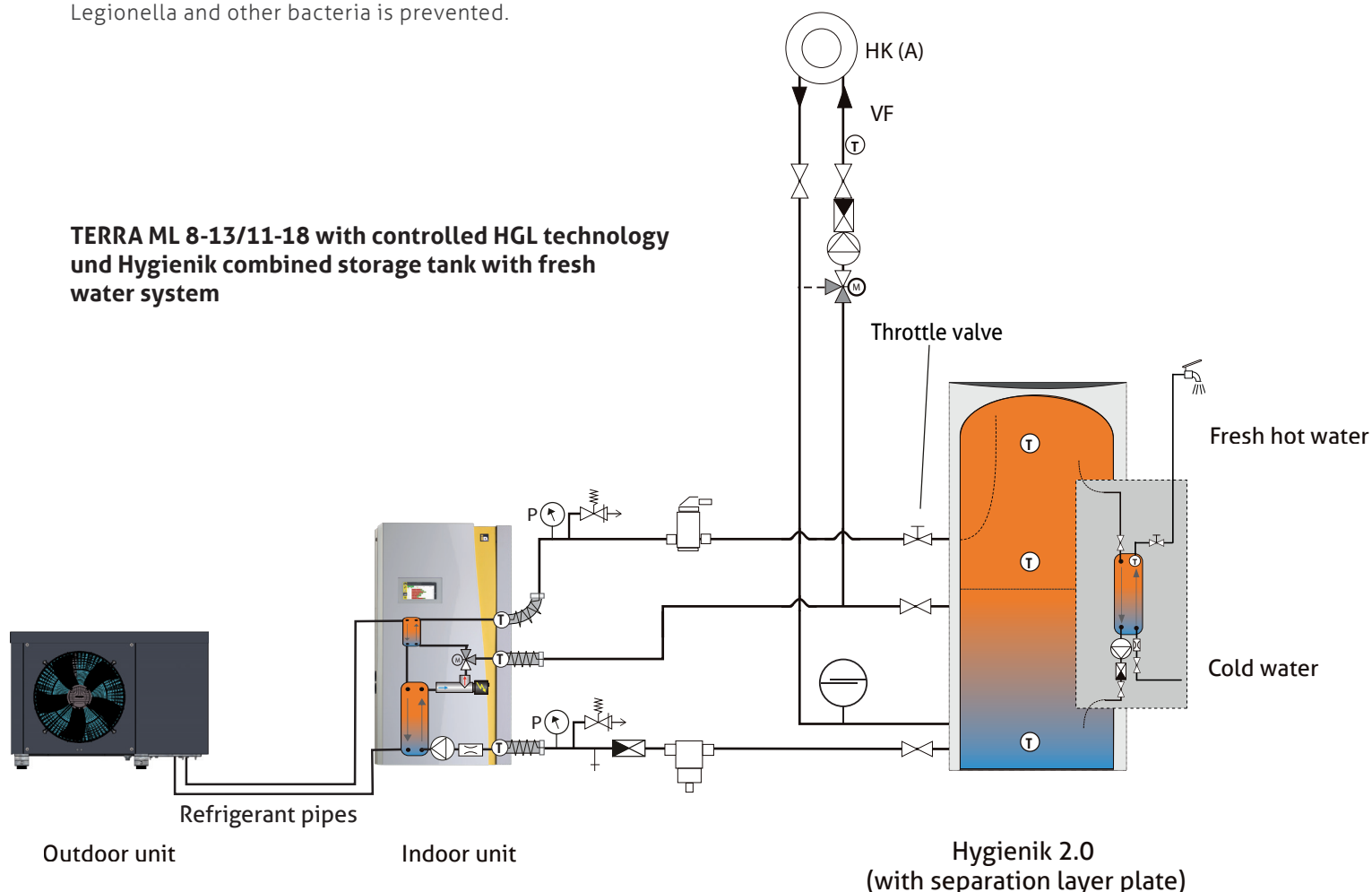
The colder it gets outside, the more heat performance is required. Thanks to performance modulation, the heat pump precisely adapts to the current demands. Energy is saved - and your comfort increases!



# THE BENEFITS OF THE 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 60 °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 ML 8-13/11-18 with controlled HGL technology und Hygienik combined storage tank with fresh water system**



## 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

## ML air source heat pump - Complete HGL

Technical data in compliance with EN 14511	UNIT	TERRA ML 8-13	TERRA ML 11-18
Energy efficiency class package label (heat pump + temperature control)		A++	A+
Output range	kW	5-13	6-18
Heat output at A2/W35 - max. speed	kW	13,89	17,62
Heat output at A2/W35 <sup>1)</sup>	kW	8,24	11,48
Heat output at A7/W35 <sup>1)</sup>	kW	9,48	14,72
Heat output at A-7/W35 <sup>1)</sup>	kW	6,30	9,90
Refrigerant <sup>2)</sup>		R410A	R410A
Power consumption at A2/W35 <sup>1)</sup>	kW	2,04	3,15
COP at A2/W35 <sup>1)</sup>	-	4,04	3,64
Cooling capacity at A35/W18 <sup>1)</sup>	kW	9,48	12,16
EER at A35/W18 <sup>1)</sup>	-	4,37	4,05
Dimensions external unit HxWxD	mm	1015x1430x620	1015x1430x620
Weight of external unit	kg	220	225
Dimension internal unit HxWxD	mm	1250x620x370	1250x620x370
Weight internal unit	kg	75	76
Sound pressure level <sup>4)</sup>	dB(A)	60	64
Sound power level <sup>1) 3)</sup>	dB(A)	32	36

<sup>1)</sup> At nominal rotation speed

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

<sup>3)</sup> free standing installation - distance of 10 m

<sup>4)</sup> in compliance with EN12102



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Seblas 16-18 | A-9971 Matrei in Osttirol

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

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Changes & errors excepted.