

AIR SOURCE HEAT PUMPS

Outdoor installation 6-8/9/8-13/11-18 kW
TERRA ML Complete



THE ENERGY FAMILY

Output modulation with CIC technology for a lower energy consumption

Sound Reduction System SRS

Cooling as standard

NAVIGATOR control system to optimise energy consumption and convenience

Very small installation space required and simple installation

Controlled HGL technology for maximum hot water convenience and a long service life



We take care of your well-being.

Leading technology from IDM. Expertise from installers.

www.idm-energie.com

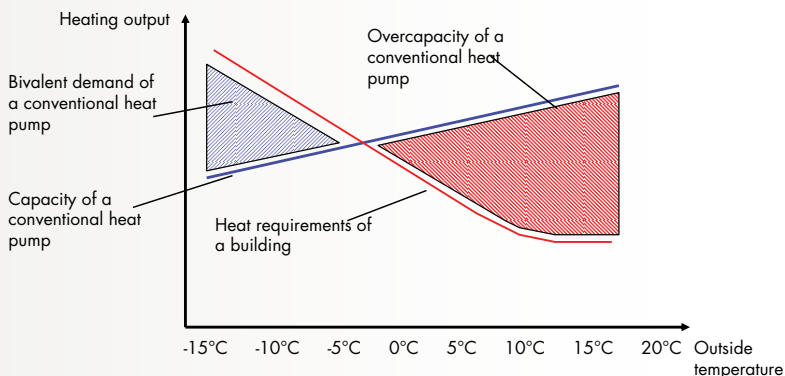
BENEFITS OF A MODULATING IDM AIR-HEAT PUMP.

You naturally need a higher heating capacity in your home during a cold winter compared with during spring, summer or autumn.

The TERRA ML modulating air-heat pump takes this into account and, for instance in the TERRA ML 6-8 Complete variant, outputs between 2 and 8 kW.

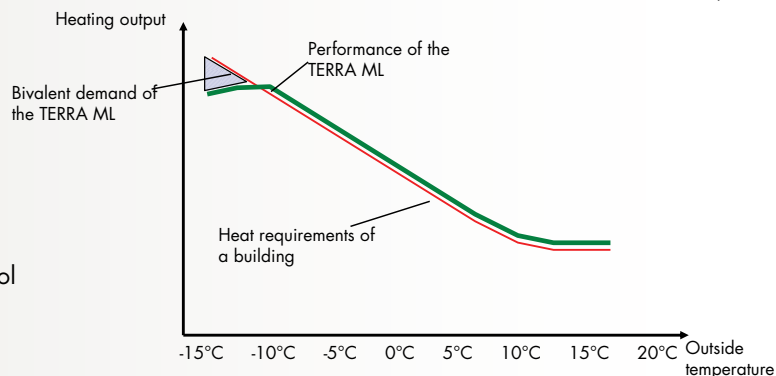
MAXIMUM INNOVATION

- Performance modulated heat pump: the colder it gets, the more heat performance is required by your home. Thanks to performance modulation the heat pump precisely adapts to the current demands. Energy is saved and your comfort increases.
- Suitable for Smart Grids: for intelligent use of in-house photovoltaic energy or low energy tariffs



MAXIMUM EFFICIENCY

- Optimised seasonal performance by electronic feed and patented CIC technology
- Stand-by mode: disconnection of all electrical consumers
- Highly efficient heating pump fitted



MAXIMUM COMFORT

- Simple and versatile operation with the Navigator® control system
- Remote maintenance and control via bus, Internet and app
- Heating, cooling and hygienic hot water provided by the IDM system technology

SOUND REDUCTION SYSTEM SRS

We optimised the air flow in the TERRA ML Complete by installing a cutting-edge evaporator and fan with HyBlade technology.



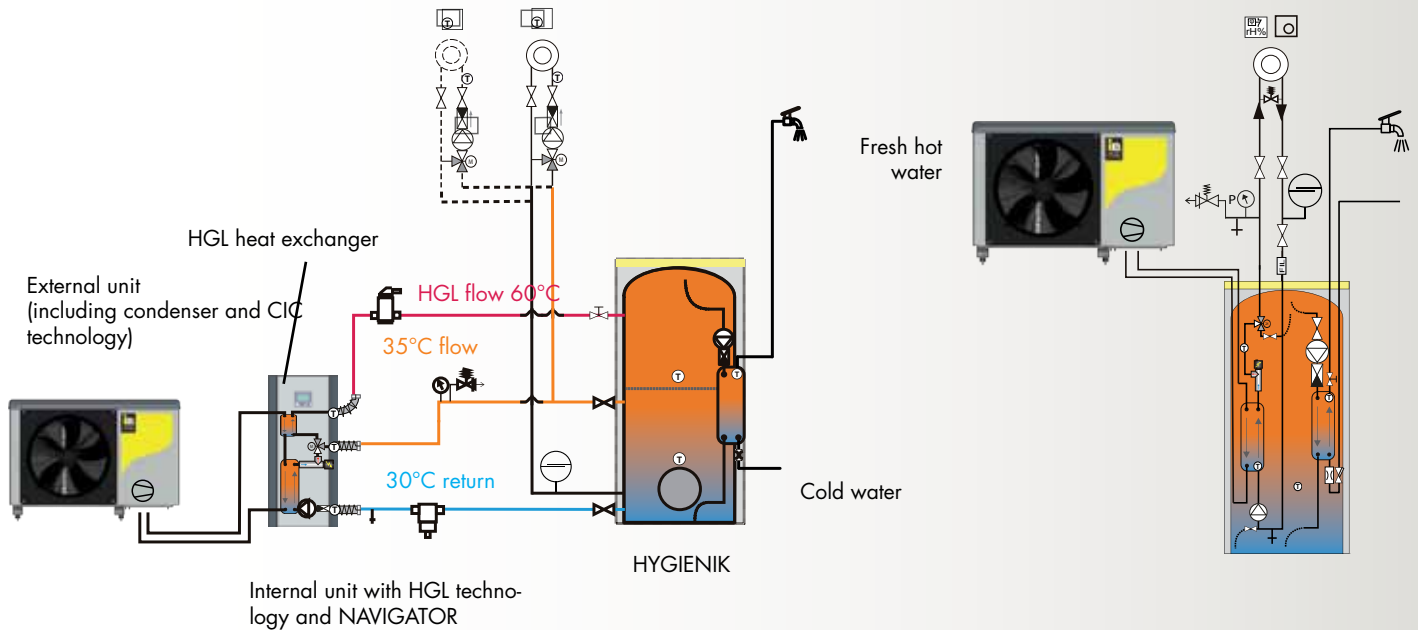
NAVIGATOR® CONTROL SYSTEM

The NAVIGATOR® represents a simple and versatile heat pump control system. Up to 6 heating circuits can be controlled individually. That means six different time schedules for heating and six different temperature zones in the house. The control system for a simple solar thermal energy system has already been integrated and different connections are easy to implement. Regardless of whether you want to control the heating via the internet, via your mobile phone, via your BUS system or directly. The NAVIGATOR® can do all that and also record data for more than 1 year in an operation log saved on an SD card or at myidm.at



CONTROLLED HGL TECHNOLOGY WITH HYGIENIK 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 second section reaches a temperature of 60°C, and its 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 and Hygienik combination tank with fresh water system

TERRA ML (6-8 not shown)/8-13/11-18 Complete with 300l Hygienik fresh water system

3 steps to myIDM.at

1. Connect the heat pump to the internet.



2. Register at www.myIDM.at.



3. Log on heat pump in the system:

You may NOW access it using your PC or smartphone.



YOUR BENEFITS:

1. You control the heat pump whenever and from wherever you want.
2. You have the option to call service before the heating fails.

TECHNICAL DATA:

Technical data in compliance with EN 14511, measured at nominal rotation speed	UNIT	TERRA ML 6-8 Complete	TERRA ML 9 Complete	TERRA ML 8-13 Complete (HGL) ¹	TERRA ML 11-18 Complete (HGL) ¹
Output range	kW	2-8	4-11	3-13	5-18
Heat output for A2/W35	kW	5.50	9,02	8.24	11.50
Heat output for A7/W35	kW	6.90	10,45	10.06	15.20
Heat output for A-7/W35	kW	4.27	8,45	6.30	10.10
Power consumption for A2/W35	kW	1.59	2,64	2.15	3.24
COP at A2/W35		3.47	3,42	3.83	3.55
Cooling capacity at A35/W18	kW	7.10	8,22	9.43	13.10
EER at A35/W18		4.01	4,92	4.02	3.95
External unit dimensions WxDxH	mm	950x370x943	950x370x1350	1433x543x990	1433x543x990
Weight of external unit	kg	67	120	202	214
Complete internal unit dimensions WxDxH	mm	600x865x1800	600x865x1800	600x865x1800	600x865x1800
Weight of Complete internal unit	kg	185	185	185	185
Complete HGL internal dimensions WxDxH	mm	-	-	610x353x1398	610x353x1398
Weight of Complete HGL internal unit	kg	-	-	90	90
Sound level ²	dB(A)	28	33	33	39
Power supply	V/Hz	1x230/50	1x230/50	3x400/50	3x400/50

¹ Preliminary data, official type testing had not been completed at the time of printing;

² at a distance of 10m when installed in front of a facade

The TERRA ML 6-8/9/8-13/11-18 Complete is a split system that is delivered with an external and an internal unit. The **external unit** contains all relevant cooling circuit components except the condenser.

The **Complete internal unit** contains the NAVIGATOR heat pump controller, condenser, safety heating element, high-efficiency heating charge pump as well as a 300l storage tank with 25l/min fresh water station. In this configuration with a direct heating circuit, yet without heating buffer, the system comes as an easy-to-install "Plug&Heat system". Please contact your IDM installer for more information.

The **Complete HGL internal unit** accommodates the NAVIGATOR heat pump controller, condenser, safety heating element and an additional heat exchanger for controlled HGL technology. We also recommend a Hygienik combination tank as heating buffer and storage tank to heat up fresh water. For more detailed information please refer to the Hygienik product sheet or contact your IDM installer.



Simple installation in confined spaces

The TERRA ML Complete air-heat pump featuring the 300l Hygienik fresh water system (see above) requires a particularly small installation space: merely 90x60 cm on the inside! The HGL variant also only requires one square metre for the Hygienik and a small, adjacent space for the internal unit (illustration on the left).



EN ISO 9001
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