

AERO ILM AIR SOURCE HEAT PUMP



HEAT PUMPS FROM AUSTRIA

www.idm-energie.at

AERO ILM AIR SOURCE HEAT PUMP INDOOR INSTALLATION 2 - 13 KW

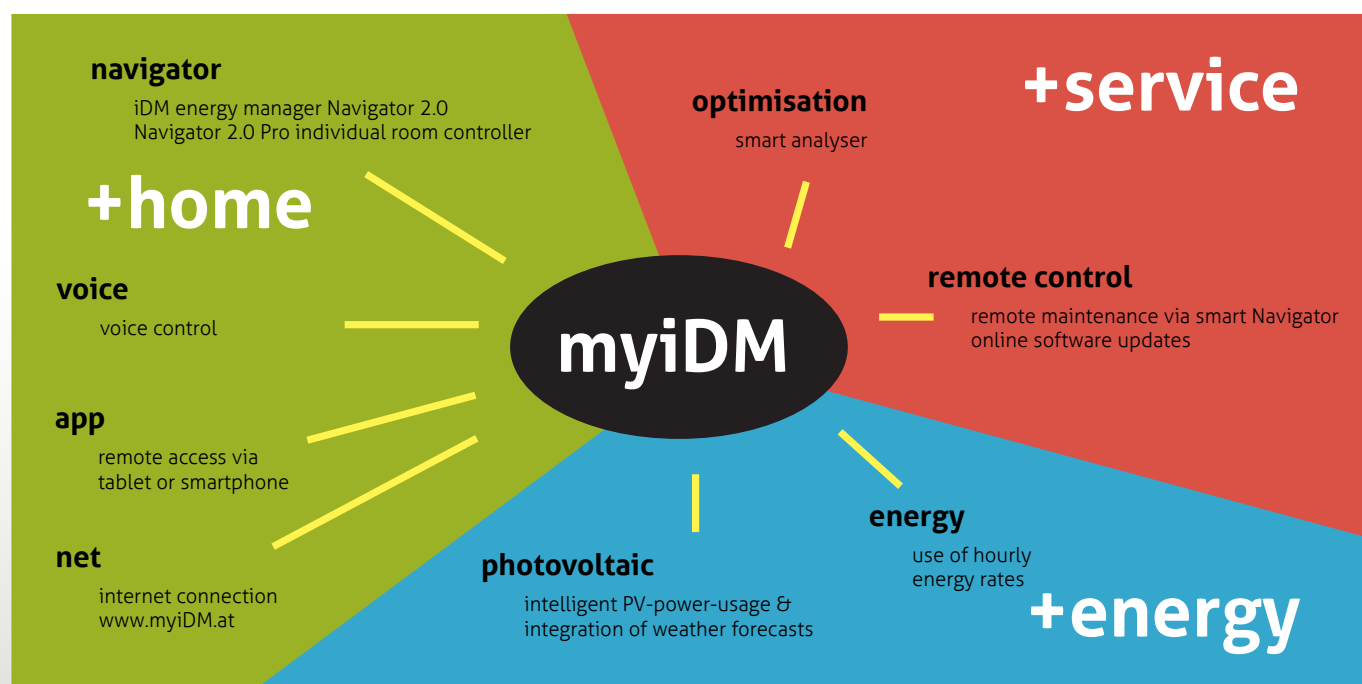
A high performance device that is easy to use, requires little space and works extremely efficiently: The AERO ILM is an air heat pump that operates contentedly in the corner of a house and offers a comforting supply of hot water with a Hygienik tank. The verified COP of 4,32 or rather 4,11 means a low electricity bill and the NAVIGATOR 2.0 control system ensures the AERO ILM is Smart Grid, Smart Web and Smartphone compatible.

- ◉ **Simple installation and very small space required**
- ◉ **NAVIGATOR 2.0 control system with capacitive 7" colour touch display to optimise energy consumption and convenience**
- ◉ **Inverter controlled power modulation with CIC technology for low energy consumption**
- ◉ **Controlled HGL technology for maximum hot water convenience and long service life**
- ◉ **High COP of up to 4,32 or rather 4,11 for low energy consumption**
- ◉ **Sound Reduction System SRS for silent operation**
- ◉ **Voice control of the most important functions**



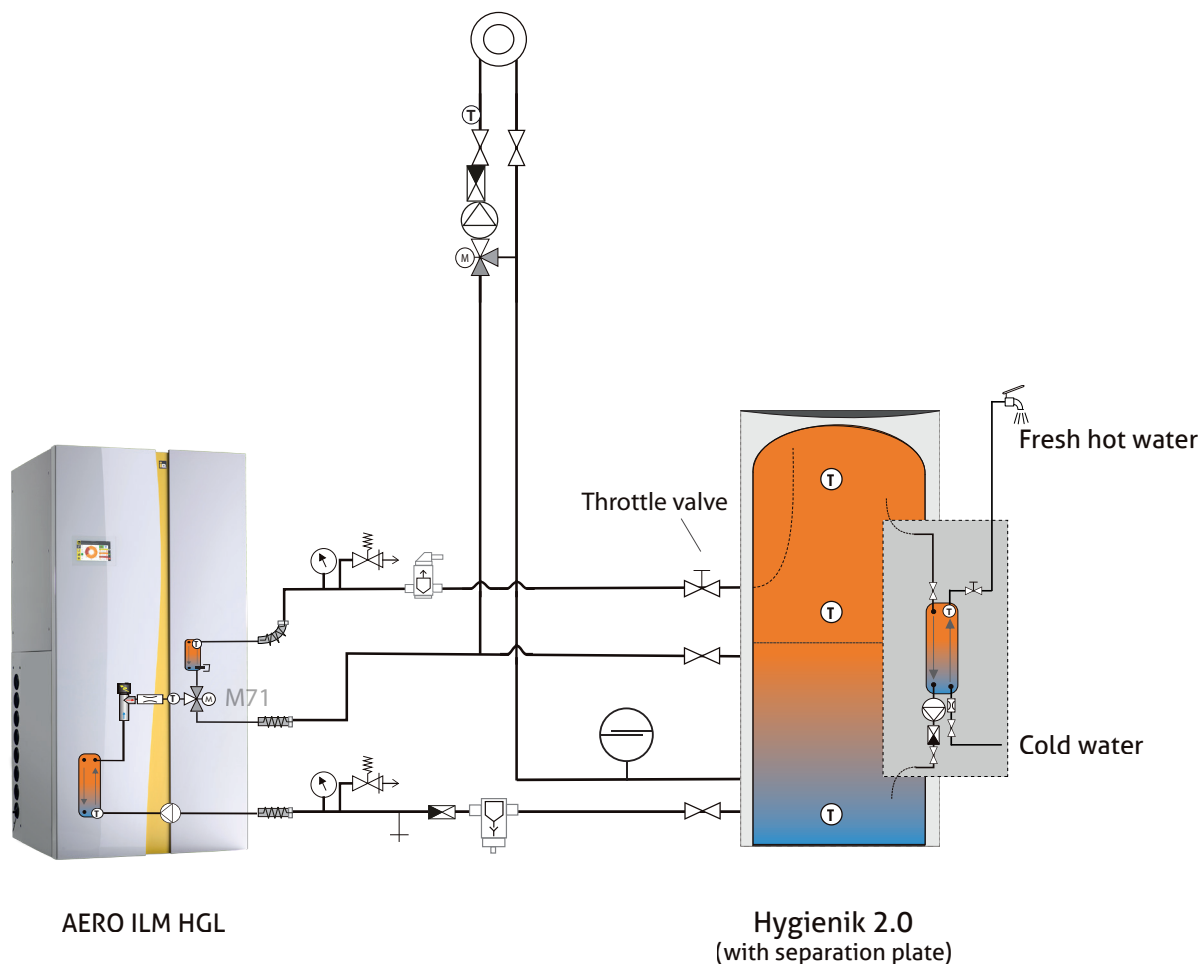
The AERO ILM air source heat pump requires only a **very small installation area** - the heat pump **fits into an area of 0,75 m²**.

A small installation space is required on the inside and the unit is almost invisible from the outside - merely the two weather protection grilles indicate the position of the heat pump.



THE **BENEFITS OF THE 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 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.



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 use on your smartphone!

TECHNICAL DATA

AERO ILM AIR SOURCE HEAT PUMP

Technical data in compliance with EN 14511	Unit	AERO ILM 2-7	AERO ILM 4 - 13
Energy efficiency class package label (heat pump + temperature control)		A++	A++
HGL		no	yes
Power supply main current/control circuit	V	230/230	400/230
Inverter technology (modulation)		yes	yes
Max. flow temperature	°C	62	60
Output range at A2/W35 (min-max)	kW	2 - 7	4 - 13
Heat output at A2/W35 - maximum speed	kW	6,56	12,67
Heat output at A2/W35 ¹⁾	kW	3,87	7,11
Heat output at A7/W35 ¹⁾	kW	4,51	8,28
Heat output at A-7/W35 ¹⁾	kW	2,84	5,50
Power consumption at A2/W35 ¹⁾	kW	0,89	1,73
COP at A2/W35 ¹⁾		4,32	4,11
Cooling capacity at A35/W18 ¹⁾	kW	5,09	9,48
EER at A35/W18 ¹⁾		4,50	4,10
Refrigerant ²⁾		R410A	R410A
Dimensions HxWxD	mm	1850x910x830	1850x910x830
Weight	kg	280	295
External sound power level ³⁾	dB(A)	48	55
External sound pressure level - distance 10 m (indoor installation = installation on facade) ³⁾	dB(A)	23	30
Internal sound power level ³⁾	dB(A)	44	42

¹⁾ At nominal rotation speed.

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

³⁾ In compliance with EN12102.



The AERO ILM is supplied with a complete „Plug & Heat“ hydraulics system: the loading pump, the priority valve for hot water and one safety immersion heater are pre-installed. Of course the version with HGL technology also incorporates the HGL exchanger and the HGL valve.



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Changes & errors excepted.