

# AERO ALM AIR SOURCE HEAT PUMP



## HEAT PUMPS FROM AUSTRIA

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

# AERO ALM 2-15 kW

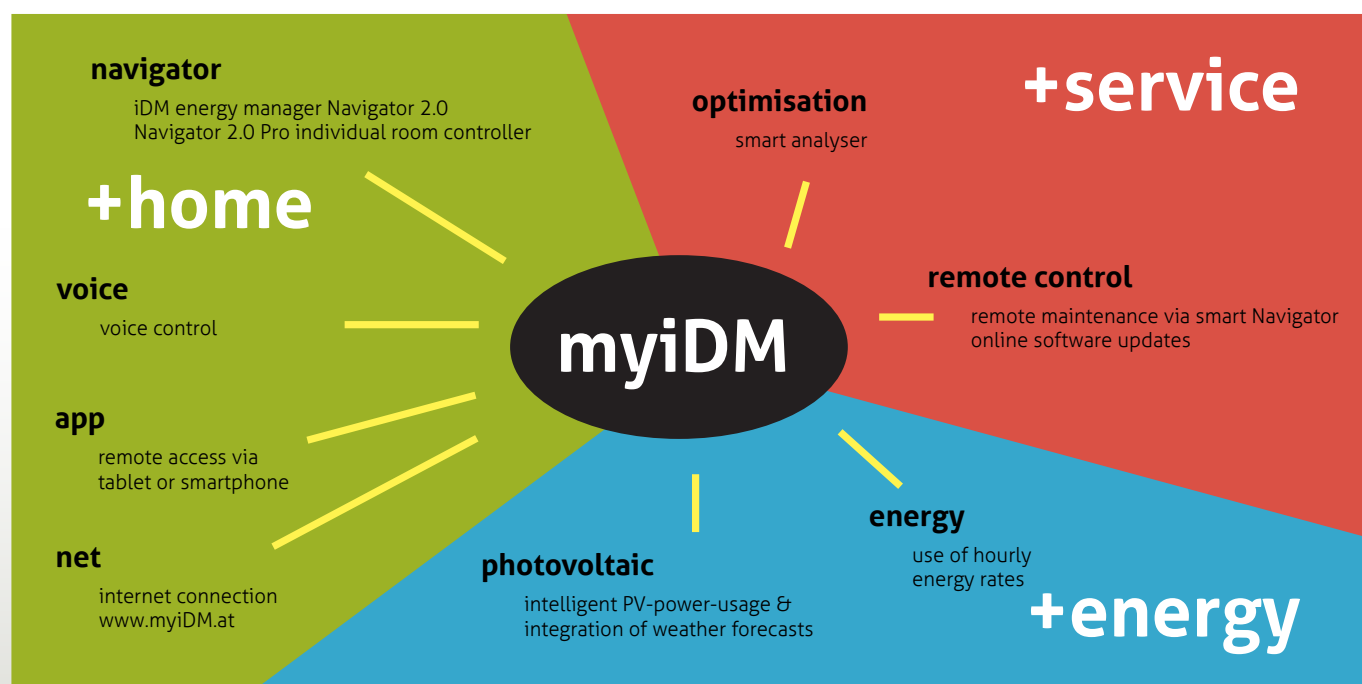
## AIR SOURCE HEAT PUMP

The new iDM AERO ALM is a **modulating air 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 AERO ALM. The **heat output** of the heat pump is **continuously adjusted by modulation** between 2 kW and 8 kW, 4 kW and 12 kW or 6 and 15 kW to the actual heat requirement.

- ◉ Up to 70 °C flow temperature - ideal for renovation and new construction
- ◉ Future proof - thanks to natural refrigerant
- ◉ Extremely quiet operation
- ◉ State-funded due to maximum efficiency
- ◉ COP 4,60 (ALM 2-8) or 4,58 (ALM 4-12) or 4,70 (ALM 6-15) guarantees high efficiency
- ◉ Voice control of the most important functions
- ◉ Inverter controlled power modulation for low energy consumption
- ◉ Navigator 2.0 control system, integration of photovoltaics possible
- ◉ Heating, cooling & hot water



## THE iNTELLIGENT HEAT PUMP





# RENOVATION WITH HEAT PUMP - POSSIBLE? YES, OF COURSE!

The iDM AERO ALM heat pump heats, cools and provides hot water in your house - efficient, powerful and environmentally friendly. Regardless of whether it is a new building or renovation - the iDM heat pump is THE solution for the future.

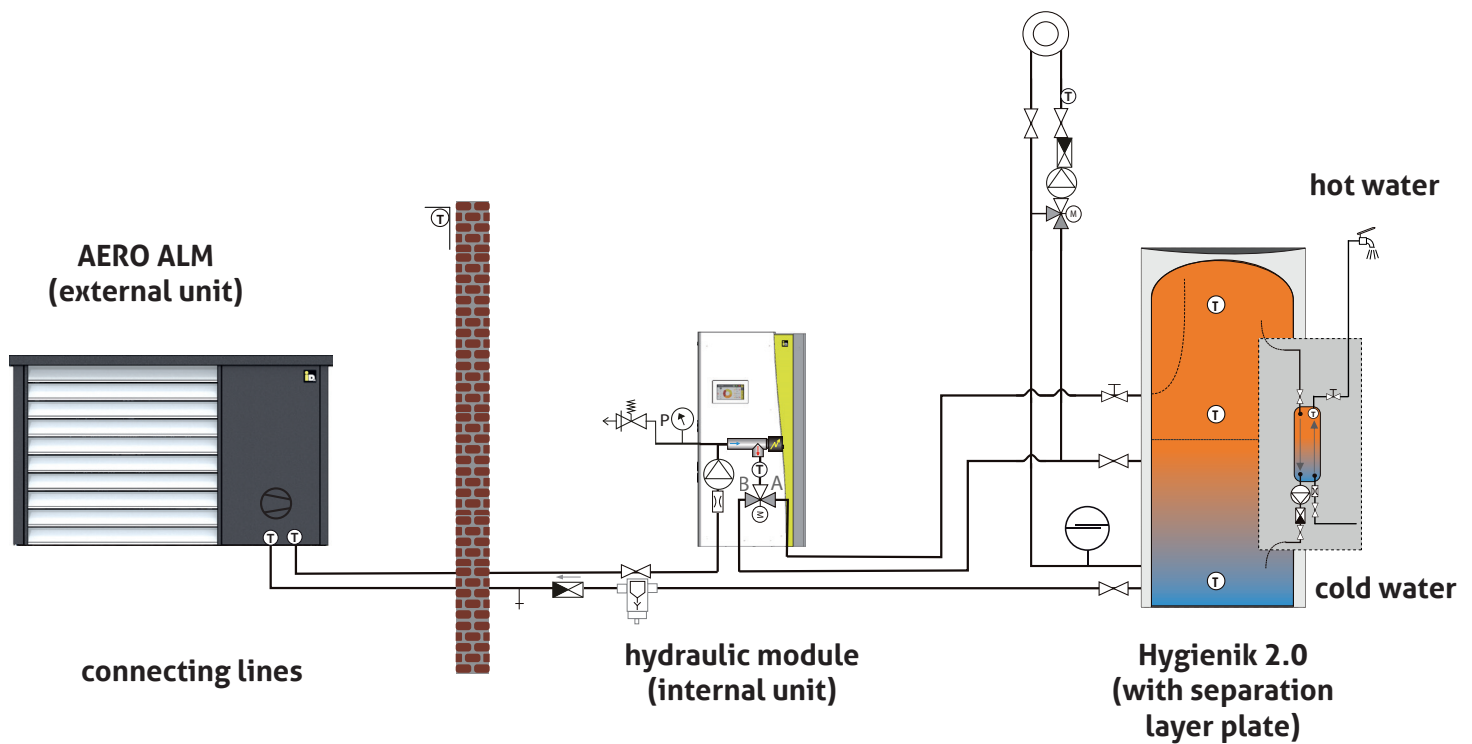
**The iDM AERO ALM heat pump works - like almost all of our heat pumps - with radiators without any problems.**

The decisive factor is the selection of the right size and the right heat pump for your property.

In connection with an hourly variable electricity tariff, it automatically fetches the electricity prices for the next day and optimizes consumption without any loss of convenience. **The heat pump preferably runs when it is particularly cheap.**

If you have a PV system, electricity is preferred when it is available from your own system.

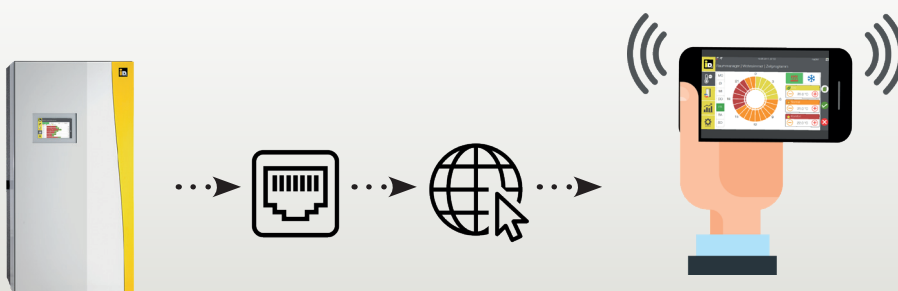
## AERO ALM AND HYGIENIK 2.0 WITH SEPARATION LAYER PLATE



## 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

## AERO ALM AIR SOURCE HEAT PUMP

Technical data in compliance with EN14511	UNIT	ALM 2-8	ALM 4-12	ALM 6-15
Energy efficiency class package label (heat pump + temperature control) <sup>1)</sup>	-	A+++/A+++	A+++/A+++	A+++/A+++
Inverter technology (modulation)	-	yes	yes	yes
Output range	kW	2-8	4-12	6-15
Heat output at A2/W35 at maximum speed	kW	8,33	11,80	14,51
Heat output at A2/W35 at nominal speed	kW	3,52	5,31	8,69
COP at A2/W35 at nominal speed	-	4,60	4,58	4,70
Cooling capacity at A35/W18 at nominal speed	kW	6,31	9,74	11,63
EER at A35/W18 at nominal speed	-	4,89	4,64	4,58
Refrigerant	-	R290	R290	R290
Max. flow temperature	°C	70	70	70
Main current power supply	V	400	400	400
Control circuit power supply	V	230	230	230
Dimensions internal unit HxWxD	mm	1005/550/280		
Dimensions external unit HxWxD	mm	960/1600/800		1430/1600/800
Weight external/internal unit	kg	240/30	250/30	290/30
Sound pressure level outdoor unit - distance of 5m/10m <sup>2)</sup>	dB(A)	24/18	29/23	28/22

<sup>1)</sup> Energy efficiency class according to EU regulation No. 811/2013 heating, at a flow temperature: 35 °C / 55 °C.

<sup>2)</sup> In compliance with EN12102 - free standing installation in silent mode or night mode.



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Changes & errors excepted.