

# AERO ALM AIR SOURCE HEAT PUMP



**AERO ALM 10-50 Max**



**AERO ALM 2-24**



**iNTELLiGENT HEAT PUMPS FROM AUSTRIA**

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

# AERO ALM 2-24 kW & AERO ALM 10-50 Max

## AIR SOURCE HEAT PUMP

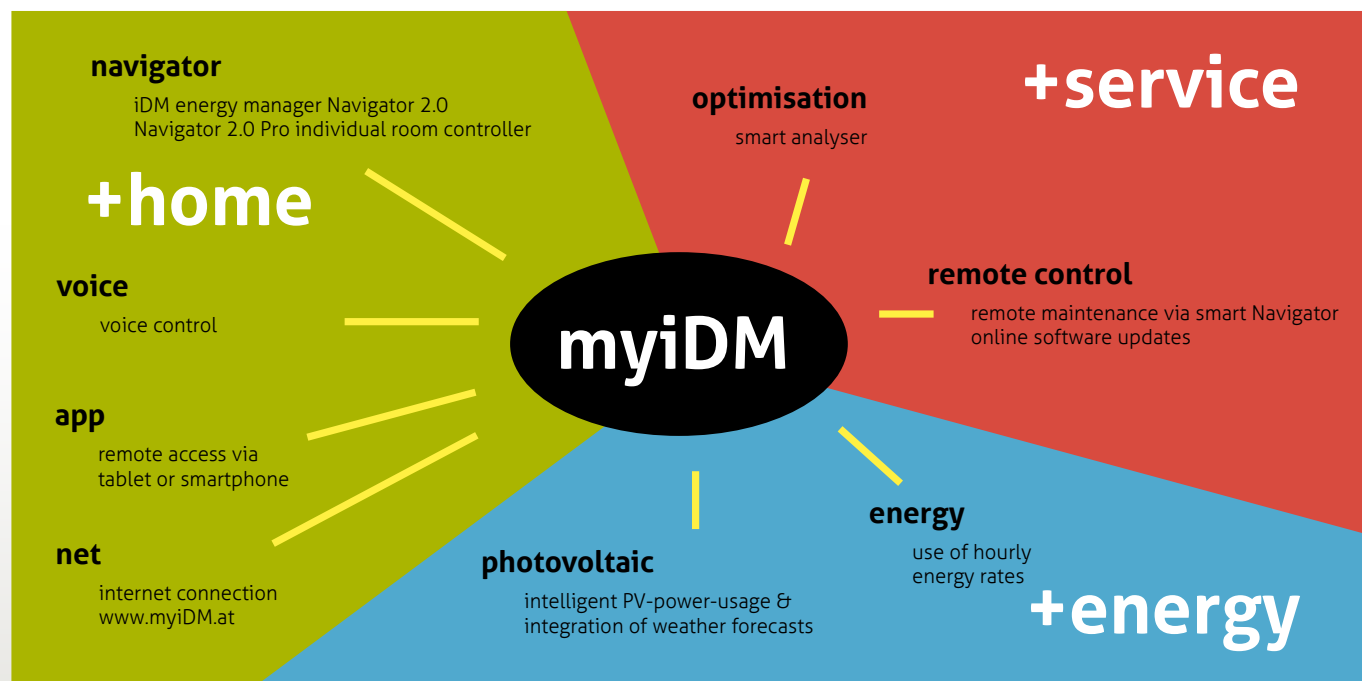
With the AERO ALM series, iDM offers you **modulating air source heat pumps** for **efficient power adjustment matching**. Heating, cooling and hot water preparation of single/multi-family homes or hotels/commercial properties is child's play for the AERO ALM heat pump. The **heat output** is **continuously adjusted** to the actual heat demand by modulation - depending on the unit - between **2 kW and 24 kW**, or between **10 kW and 50 kW** for the Max variant. The AERO ALM Max has two separate cooling circuits in one unit. This means double performance and double safety.

- ◉ Up to 70 °C flow temperature - ideal for renovation and new construction
- ◉ Future proof - thanks to natural refrigerant - for the sake of the environment
- ◉ Extremely quiet operation
- ◉ High operational reliability due to double-walled heat exchanger
- ◉ COP 4.60 (ALM 2-8) for low energy consumption
- ◉ Convenient voice control of the most important functions
- ◉ Inverter controlled power modulation for low energy consumption
- ◉ Energy manager Navigator 2.0 intelligent heating, cooling and hot water preparation
- ◉ Intelligent PV and battery integration



AERO ALM 10-50 Max

## THE iNTELLiGENT HEAT PUMP



# RENOVATION WITH iDM HEAT PUMPS - WHAT ELSE?

The iDM AERO ALM heat pumps heat, cool and provide 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.

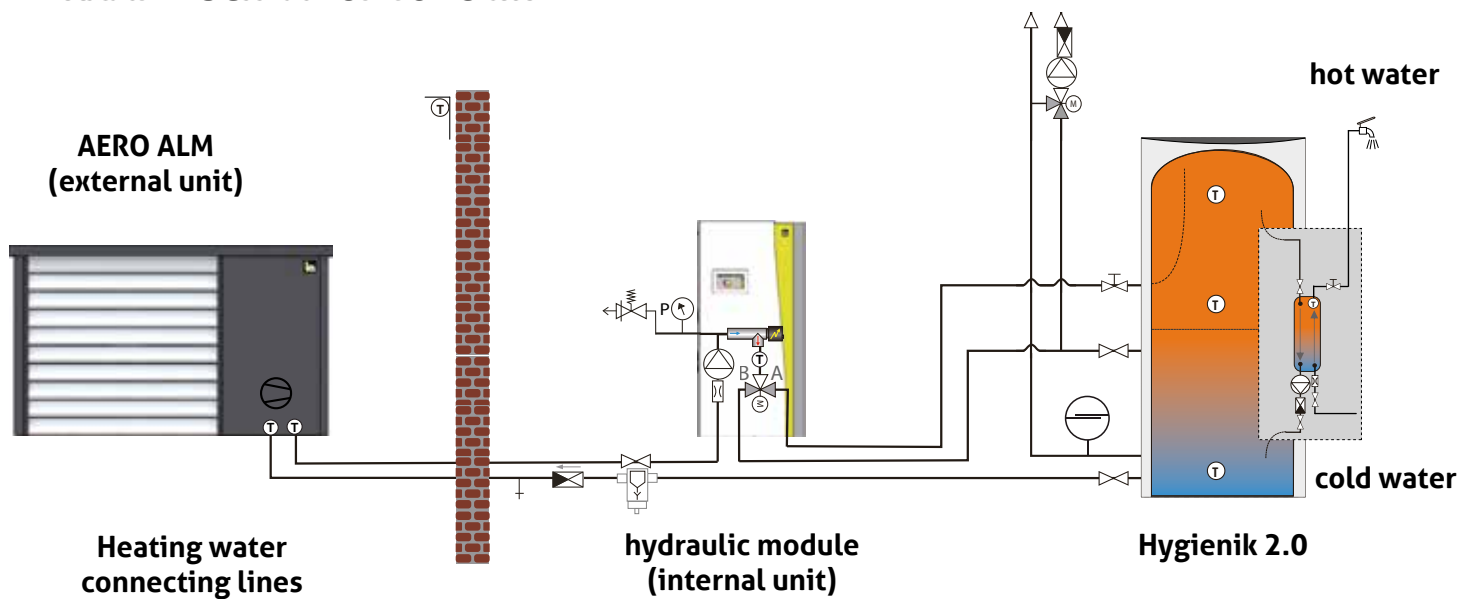
**The iDM AERO ALM heat pumps work - like all of our heat pumps - with radiators without any problems.**

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 EXAMPLE SCHEME UP TO 15 kW

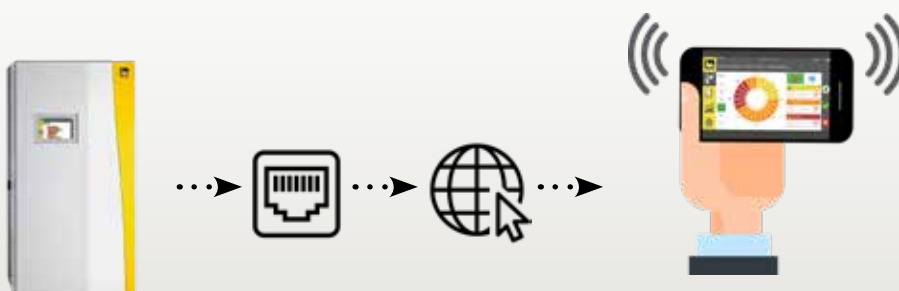


Please note that for the AERO ALM 10-24 and for the AERO ALM 10-50 Max, the electric heating element and the heating/hot water switching valve can be ordered as accessories and are not included as standard.

## 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	ALM 10-24	ALM 10-50 Max
Energy efficiency class package label (heat pump + temperature control) <sup>1)</sup>	-	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Inverter technology (modulation)	-	yes	yes	yes	yes	yes
Output range	kW	2-8	4-12	6-15	10-24	10-50
Heat output at A2/W35 at maximum speed	kW	8,33	11,80	14,51	24,00	51,88
Heat output at A2/W35 at nominal speed	kW	3,52	5,31	8,69	14,47	28,19
COP at A2/W35 at nominal speed	-	4,60	4,58	4,70	4,86	4,43
Cooling capacity at A35/W18 at nominal speed	kW	6,31	9,74	11,63	18,63	35,84
EER at A35/W18 at nominal speed	-	4,89	4,64	4,58	4,45	4,10
Refrigerant	-	R290	R290	R290	R290	R290
Max. flow temperature	°C	70	70	70	70	70
Main current power supply	V	400	400	400	400	400
Control circuit power supply	V	230	230	230	230	230
Dimensions internal unit HxWxD	mm	1005/550/280				696x560x189
Dimenstions external unit HxWxD	mm	963/1575/795		1430/1600/800	1461/1928/997	1514x3748x1005
Weight external/internal unit	kg	240/30	250/30	290/30	420/30	996/27
Sound pressure level outdoor unit - distance of 5m/10m <sup>2)</sup>	dB(A)	24/18	29/23	28/22	30/24	36/30

<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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Seblas 16-18 | A-9971 Matrei in Osttirol  
[www.idm-energie.com](http://www.idm-energie.com) | [team@idm-energie.at](mailto:team@idm-energie.at)

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Changes and errors excepted.

