

# iPUMP A / iPUMP ALM AIR SOURCE HEAT PUMP



## HEAT PUMPS FROM AUSTRIA

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

# AIR SOURCE **iPUMP A 2-7** AND **iPUMP A 3-11**

Inverter controlled compact heat pump with integrated drinking water storage.

- ⦿ **Extremely quiet operation**
- ⦿ **Frostproof connection to the external unit**
- ⦿ **COP 4,42 (iPump A 2-7) or COP 4,37 (iPump A 3-11)**
- ⦿ **Navigator 2.0 control system with 7" colour touch display**
- ⦿ **Small floor space required (indoor unit) - only 0,45 m<sup>2</sup>**
- ⦿ **Heating, cooling & hot water**
- ⦿ **Photovoltaic control**
- ⦿ **Voice control of the most important functions**



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## THE **iPUMP** HEATS, COOLS AND PROVIDES HOT WATER

If you are looking for a compact, efficient and intelligent air source heat pump - the iDM iPump A is the perfect solution for you! The iPump offers besides heating & cooling maximum comfort - within seconds the integrated storage tank provides sufficient hot water - on request up to 75 °C. As a result, the formation of microorganisms such as legionella and other bacteria is prevented.



## PERFECT FOR **TERRACED HOUSE** OR **MULTIPLE DWELLING**

The iPump is not only the perfect solution for detached houses - it is also the perfect choice for multi family dwellings: It ensures pleasant warmth, cooling and fresh hot water with minimal space requirements in the residential units. Other advantages: easy insertion due to divisibility, no losses through a circulation line, due to the individual water heating the complicated counting and invoicing process can be avoided. The administrative and running costs are reduced to a minimum!

# AIR SOURCE iPUMP ALM 2-8 AND iPUMP ALM 4-12

Inverter controlled monoblock-type heat pump with natural refrigerant.

- ◉ Up to 70 °C flow temperature - ideal for renovation and new construction
- ◉ COP 4,60 (iPump ALM 2-8) or COP 4,58 (iPump ALM 4-12)
- ◉ State-funded due to maximum efficiency
- ◉ Can hardly be heard - like all iDM air heat pumps
- ◉ 270 l hot water storage, 95 l buffer storage
- ◉ Natural refrigerant
- ◉ Small floor space required
- ◉ State-of-the-art inverter technology



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## FUTURE-PROOF, NATURAL REFRIGERANT AND FLOW TEMPERATURES UP TO 70 °C

The new iDM iPump ALM is a **modulating air heat pump** for **efficient performance adjustment**. The heating, cooling and hot water preparation of single-family houses is a child's play for the new iPump ALM. The **heating output** of the heat pump is continuously adjusted to the actual heat demand **by modulation** between 2 kW and 8 kW or 4 kW and 12 kW. With the installed hot water and buffer storage, the iPump ALM offers a particularly space-saving solution - whether in a new building or in a renovation.

In connection with an hourly variable electricity tariff, the heat pump **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.



# TECHNICAL DATA

## iPump A air source heat pump

Technical data in compliance with EN14511	UNIT	iPump A 2 - 7	iPump A 3 - 11	iPump ALM 2-8	iPump ALM 4-12
Energy efficiency class package label (heat pump + temperature control) <sup>1)</sup>		A+++/A+++	A+++/A++	A+++/A+++	A+++/A+++
Inverter technology (modulation)	-	yes	yes	yes	yes
Output range	kW	2 - 7	3 - 11	2 - 8	4 - 12
Heat output at A2/W35 (air) at maximum speed	kW	7,55	10,20	8,33	11,80
Heat output at A2/W35 (air) at nominal speed	kW	3,90	5,92	3,52	5,31
COP at A2/W35 at nominal speed	-	4,42	4,37	4,60	4,58
Cooling capacity A35/W18 (air) at nominal speed	kW	4,95	7,80	6,31	9,74
EER A35/W18 (air) at nominal speed	-	4,80	4,32	4,89	4,64
Refrigerant	-	R410A <sup>2)</sup>	R410A <sup>2)</sup>	R290 (GWP 3)	R290 (GWP 3)
Max. flow temperature	°C	62	62	70	70
Main current power supply	V	230	400/230	400	400
Control circuit power supply	V	230	230	230	230
Dimensions indoor unit HxWxD	mm	1950 x 600 x 786		1850x790x790	
Dimensions external unit HxWxD	mm	1180 x 1110 x 745		960x1600x800	
Weight	kg	indoor unit 251 / outdoor unit 110	indoor unit 270 / outdoor unit 113	indoor unit 305 / outdoor unit 240	indoor unit 305 / outdoor unit 250
External unit sound pressure level <sup>3)</sup>	dB(A)	10 m/4 m 18/26	10 m/4 m 21/29	10 m/5 m 18/24	10 m/5 m 23/29
<b>Hot water</b>					
Capacity storage tank	l	200	200	270	270
Max. temperature storage tank	°C	55	55	60	60
Max. temperature storage tank with electrical heating unit	°C	75	75	75	75
Singulary output capacity at 40°C tapping temperature - heat pump	l	315	315	505	505
Singulary output capacity at 40°C tapping temperature - electrical heating unit	l	432	432	660	660

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

<sup>3)</sup> In compliance with EN 12102 with free installation in silent mode or night mode.



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

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

The decisive factor is the selection of the right output size!



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Changes & errors excepted.

