

iPUMP A / iPUMP ALM AIR SOURCE HEAT PUMP



HEAT PUMPS FROM AUSTRIA

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AIR SOURCE HEAT PUMP **iPUMP A 2-7** AND **3-11**

Inverter-controlled compact heat pump with integrated domestic hot water tank.

- ⦿ **Extremely quiet**
- ⦿ **Frost-proof connection to the outdoor unit**
- ⦿ **COP 4,42 (iPump A 2-7) resp. COP 4,37 (iPump A 3-11)**
- ⦿ **Navigator 2.0 control with 7" colour touch display**
- ⦿ **Very small installation space required - only 0,45 m²**
- ⦿ **Heating, cooling and hot water**
- ⦿ **Photovoltaic control**
- ⦿ **Voice control of key functions**



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! Besides heating & cooling the iPump offers 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 **DETACHED 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 HEAT PUMP **iPUMP ALM 2-8 AND 4-12**

Inverter controlled monobloc air source heat pump with natural refrigerant

- ⦿ For new construction & renovation - up to 70 °C flow temperature
- ⦿ COP 4,60 (iPump ALM 2-8) resp. COP 4,58 (iPump ALM 4-12)
- ⦿ Eligible due to highest efficiency
- ⦿ Hardly audible - like all iDM air source heat pumps
- ⦿ 295 liter hot water tank, 100 liter buffer tank
- ⦿ Natural refrigerant
- ⦿ Small installation space required
- ⦿ Most modern inverter technology



FUTURE PROOF, NATURAL REFRIGERANT AND SUPPLY TEMPERATURES UP TO 70 °C

The new iDM iPump ALM is a **modulating air source heat pump** for **efficient power adjustment**. The heating, cooling as well as hot water preparation for detached houses is a breeze for the new iPump ALM. The **heat output** of the heat pump is continuously adjusted to the actual heat requirement by modulation between 2 kW and 8 kW or 4 kW and 12 kW. Due to the built-in hot water and buffer tank, the iPump ALM offers a particularly space-saving solution - whether in new construction or renovation.

In combination 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 favorable.** If you have a PV system, electricity is preferably consumed when it is available from your own system.



TECHNICAL DATA

iPump air source heat pump

Technical data according to EN14511	UNIT	iPump A 2 - 7	iPump A 3 - 11	iPump ALM 2-8	iPump ALM 4-12
Energy efficiency class ¹⁾		A+++/A++	A+++/A++	A+++/A+++	A+++/A+++
Inverter controlled	-	yes	yes	yes	yes
Output range	kW	2 - 7	3 - 11	2 - 8	4 - 12
Heating power at A2°C/W35°C (Air) at maximum speed	kW	7,55	10,20	8,33	11,80
Heating power at A2°C/W35°C (Air) at nominal speed	kW	3,90	5,92	3,52	5,31
COP at A2°C/W35°C 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°C/W18°C (Air) at nominal speed	-	4,80	4,32	4,89	4,64
Refrigerant	-	R410A ²⁾	R410A ²⁾	R290 (GWP 3)	R290 (GWP 3)
Max. flow temperatur	°C	62	62	70	70
Electrical connection main current	V	230	400/230	400	400
Electrical connection control current	V	230	230	230	230
Dimensions internal unit HxWxD	mm	1950 x 600 x 786		1850x790x790	
Dimensions external unit HxWxD	mm	1180 x 1110 x 745		963x1575x795	
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
Sound pressure level outdoor unit ³⁾	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
Heating buffer tank	l	-	-	100	100
Hot water					
Storage content	l	200	200	295	295
Max. storage temperature with the heat pump	°C	55	55	60	60
Max. storage tank temperature with electric heating insert	°C	75	75	75	75
Single tapping quantity at 40 °C tapping temperature - heat pump	l	315	315	505	505
Single tapping quantity at 40 °C tapping temperature - electric heating insert	l	432	432	660	660

¹⁾ Energy efficiency class according to EU Regulation No. 811/2013 heating, at supply temperature: 35°C/55°C.

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

³⁾ According to EN12102 with free installation in silent mode or night operation.



RENOVATION WITH HEAT PUMP - IS IT POSSIBLE? YES, OF COURSE

The iDM iPump heats, cools and provides hot water in your home - efficient, powerful and environmentally friendly. Whether new construction or renovation - the iDM heat pump is THE solution for the future.

The iDM iPump heat pump - like almost all of our heat pumps - also works with radiators.

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



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Changes and errors excepted

