

# iPUMP A AIR SOURCE HEAT PUMP



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**iNTELLiGENT HEAT PUMPS FROM AUSTRIA**  
[www.idm-energie.com](http://www.idm-energie.com)

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

Three arguments for the intelligent inverter controlled iPump A? **Maximum efficiency, maximum innovation and maximum comfort!** Despite the compact design the air source heat pump scores with integrated drinking water storage and a high COP up to 4.42.

- ⊙ **Extremely quiet operation**
- ⊙ **Frostproof connection to the outdoor unit**
- ⊙ **COP 4.42 (iPump A 2-7), COP 4.37 (iPump A 3-11)**
- ⊙ **Navigator 2.0 control with 7" colour touch display**
- ⊙ **Very small installation space required - only 0.45 m<sup>2</sup>**
- ⊙ **Heating, cooling & hot water**
- ⊙ **Photovoltaic control**
- ⊙ **Voice control of key functions**



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## THE **iNTELLIGENT** HEAT PUMP





# 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.



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## 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!



# TECHNICAL DATA

## iPump A air source heat pump

Technical data according to EN14511	UNIT	iPump A 2 - 7	iPump A 3 - 11
Energy efficiency class <sup>1)</sup>		A+++/A++	A+++/A++
Inverter controlled	-	yes	yes
Output range	kW	2 - 7	3 - 11
Heating power at A2°C/W35°C (Air) at maximum speed	kW	7,55	10,20
Heating power at A2°C/W35°C (Air) at nominal speed	kW	3,90	5,92
COP at A2°C/W35°C at nominal speed	-	4,42	4,37
Cooling capacity A35/W18 (Air) at nominal speed	kW	4,95	7,80
EER A35°C/W18°C (Air) at nominal speed	-	4,80	4,32
Refrigerant	-	R410A <sup>2)</sup>	R410A <sup>2)</sup>
Max. flow temperatur	°C	62	62
Electrical connection main current	V	230	400/230
Electrical connection control current	V	230	230
Dimensions internal unit HxWxD	mm	1950 x 600 x 786	
Dimensions external unit HxWxD	mm	1180 x 1110 x 745	
Weight	kg	Indoor unit 251 / Outdoor unit 110	Indoor unit 270 / Outdoor unit 113
Sound pressure level outdoor unit <sup>3)</sup>	dB(A)	10 m/4 m 18/26	10 m/4 m 21/29
Heating buffer tank	l	-	-
<b>Hot water</b>			
Storage content	l	200	200
Max. storage temperature with the heat pump	°C	55	55
Max. storage tank temperature with electric heating insert	°C	75	75
Single tapping quantity at 40 °C tapping temperature - heat pump	l	315	315
Single tapping quantity at 40 °C tapping temperature - electric heating insert	l	432	432

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

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

<sup>3)</sup> According to EN12102 with free installation in silent mode or night operation.

### ALSO PERFECT FOR RESTRUCTURING

- ⊙ Easy insertion due to divisibility
- ⊙ Infinitely variable power adjustment to the restructuring progress
- ⊙ Easy connection of existing plan components - heating circuit connection, cold and hot water connections are directed upwards
- ⊙ All in one – solution for heating and hot water generation

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Changes and errors excepted



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