

# iPUMP T GROUND SOURCE HEAT PUMP



## HEAT PUMPS FROM AUSTRIA

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

# GROUND SOURCE **iPUMP T 2-8** AND **iPUMP T 3-13**

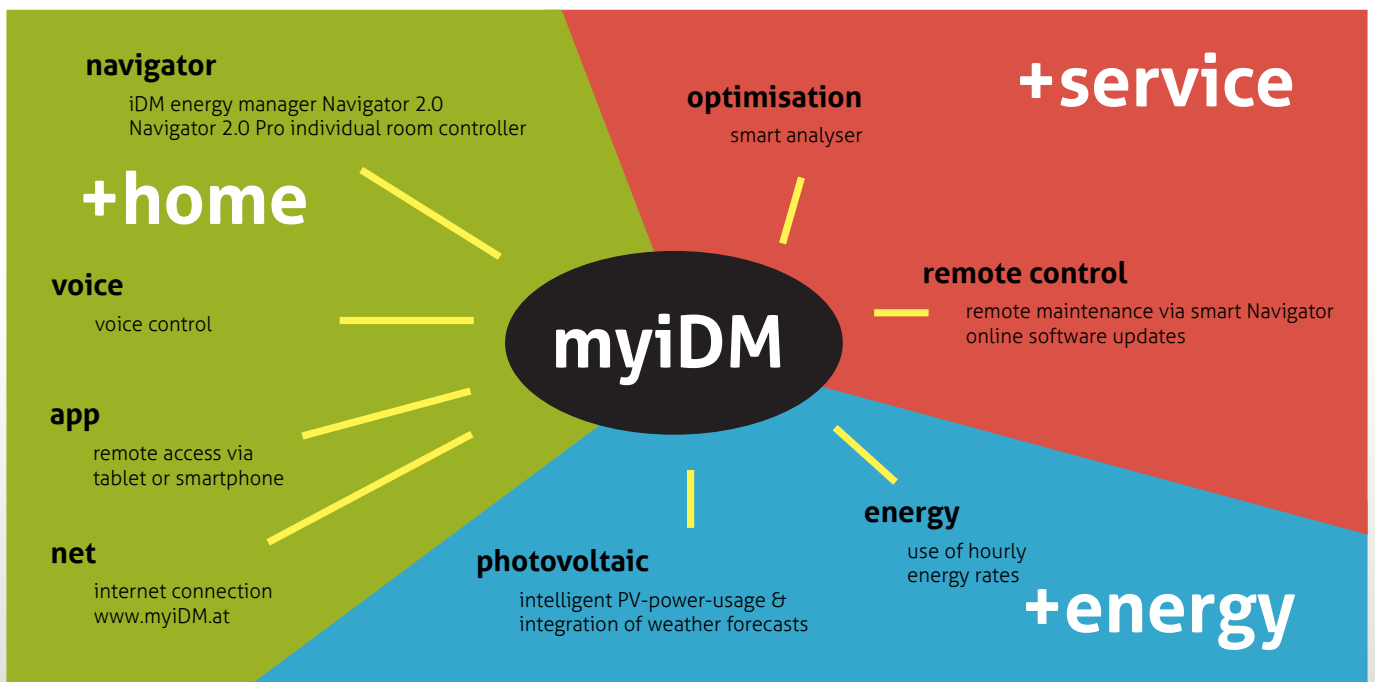
Inverter controlled compact heat pump with integrated drinking water storage.

- ⊙ **Extremely quiet operation**
- ⊙ **COP 4.71 (iPump T 2-8), COP 5.01 (iPump T 3-13)**
- ⊙ **Navigator 2.0 control system with capacitive 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 the most important functions**



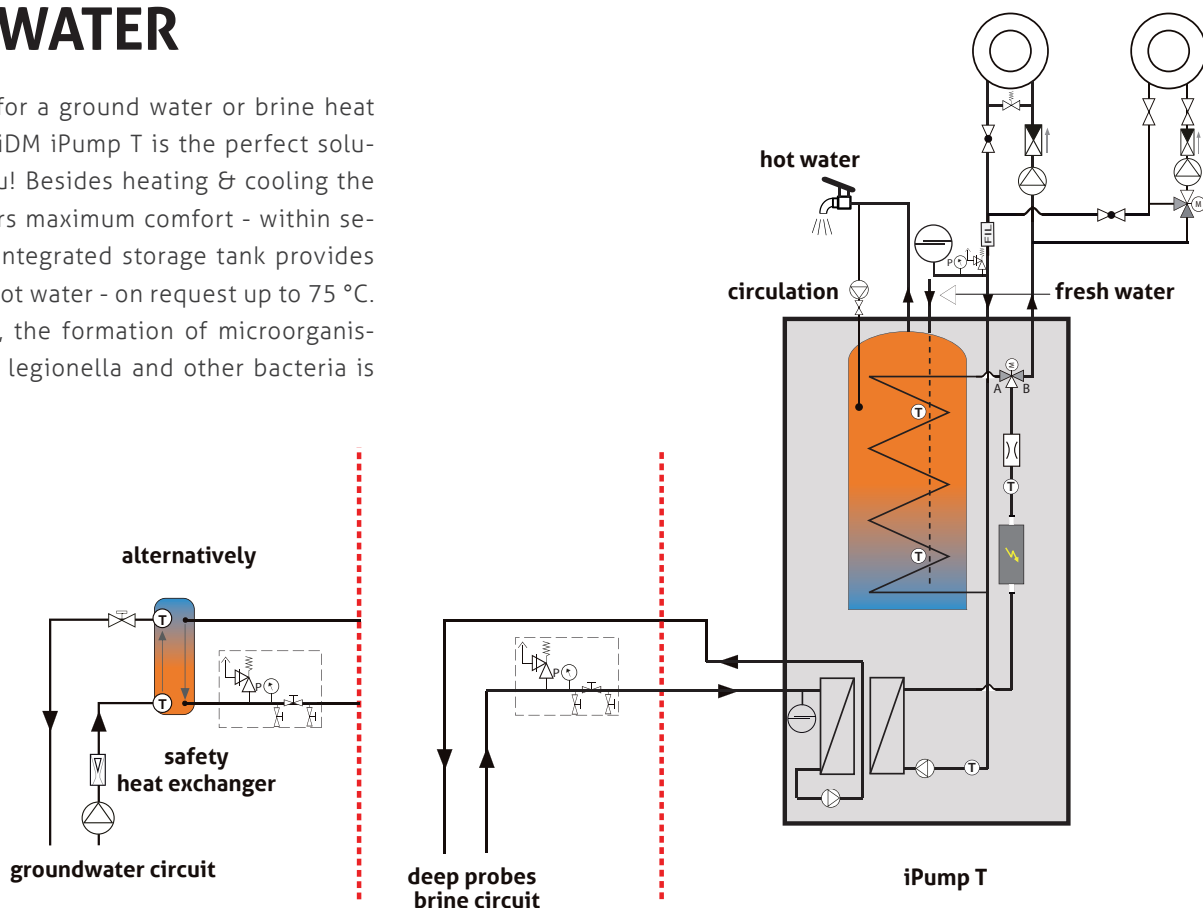
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## THE **iNTELLIGENT** HEAT PUMP



# THE iPUMP HEATS, COOLS AND PROVIDES HOT WATER

If you opt for a ground water or brine heat pump, the iDM iPump T 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: All iPump heat pumps get their energy from one heat source. This reduces investment costs & installation space and provides heating, cooling and hot water for each residential unit. 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.



# TECHNICAL DATA

## iPump ground source heat pump

Technical data in compliance with EN14511	UNIT	iPump T 2-8	iPump T 2-8 P	iPump T 3-13	iPump T 3-13 P
Inverter technology (modulation)	-	yes	yes	yes	yes
Output range	kW	2 - 8	2 - 8	3 - 13	3 - 13
Energy efficiency class package label brine circuit (heat pump + temperature control) <sup>1)</sup>		A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heat output at B0/W35 (brine) at maximum speed	kW	7,85	7,85	13,28	13,28
Heat output at B0/W35 (brine) at nominal speed	kW	4,10	4,10	6,60	6,60
COP at B0/W35 (brine) at nominal speed	-	4,71	4,71	5,01	5,01
Cooling capacity <sup>2)</sup> (passiv) B15/W18 (brine) at nominal speed	kW	6,00	-	7,60	-
Cooling capacity (active) B30/W18 (brine) at nominal speed	kW	-	6,37	-	9,70
EER (active) at B30/W18 (brine) at nominal speed	-	-	7,40	-	6,34
Energy efficiency class package label ground water (heat pump + temperature control) <sup>1)</sup>		A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heat output W10/W35 (ground water) at maximum speed	kW	10,03	10,03	13,25	13,25
Heat output W10/W35 (ground water) at nominal speed	kW	5,55	5,55	8,70	8,70
COP at W10/W35 (ground water) at nominal speed	-	6,53	6,53	6,77	6,77
Refrigerant <sup>3)</sup>	-	R410A	R410A	R410A	R410A
Max. flow temperature	°C	62	62	62	62
Main current power supply	V	230	230	400/230	400/230
Control circuit power supply	V	230	230	230	230
Dimensions indoor unit HxWxD	mm	1950 x 600 x 786	1950 x 600 x 786	1950 x 600 x 786	1950 x 600 x 786
Weight	kg	265	265	295	295
Internal unit sound power level	dB(A)	45	45	41	41
<b>Hot water</b>					
Capacity storage tank	l	200	200	200	200
Max. temperature storage tank	°C	55	55	55	55
Max. temperature storage tank with electrical heating unit	°C	75	75	75	75
Singular output capacity at 40°C tapping temperature - heat pump	l	315	315	315	315
Singular output capacity at 40°C tapping temperature - electrical heating unit	l	432	432	432	432

<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> With integrated passive cooling module.

<sup>3)</sup> The heat pump contains the F-Gas R410A and is subject to the provisions of F-Gas regulation EU/517/2014.

### THE iPUMP T IS AVAILABLE IN THREE VARIANTS:

- ⊙ iPump T in standard version
- ⊙ iPump T with process reversal
- ⊙ iPump T with passive cooling module

### 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 & errors excepted.

