iPUMP T
GROUND SOURCE HEAT PUMP

THE ENERGYFAMILY

QUALITY SINCE 1977

HEAT PUMPS FROM AUSTRIA

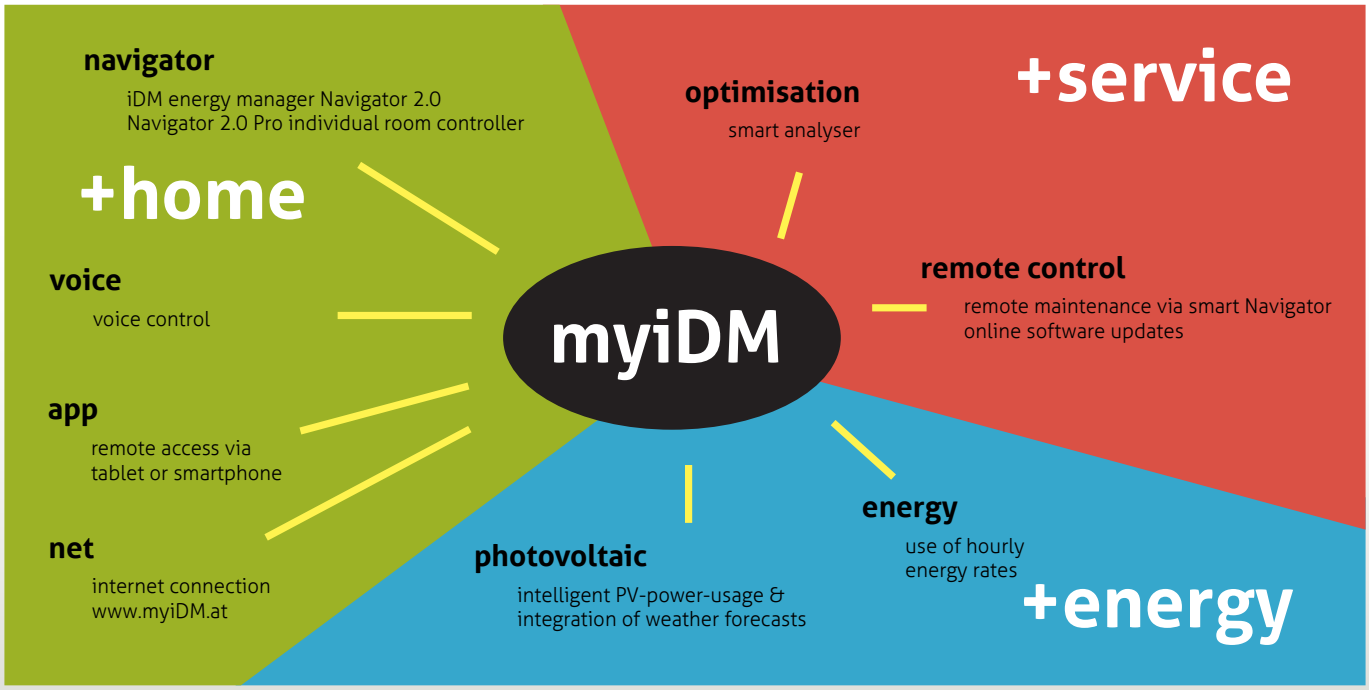
www.idm-energie.at

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

Three arguments for the intelligent inverter controlled iPump T? **Maximum efficiency, maximum innovation and maximum comfort!** Despite the compact design the ground source heat pump scores with integrated drinking water storage and a high COP up to 5,01.

- **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 m²**
- **Heating, cooling & hot water**
- **Photovoltaic control**
- **Voice control of the most important functions**

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
Energy efficiency class package label (heat pump + temperature control)		A+++	A+++	A++	A++
Inverter technology (modulation)	-	yes	yes	yes	yes
Output range	kW	2 - 8	2 - 8	3 - 13	3 - 13
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[1] (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 (acitve) at B30/W18 (brine) at nominal speed	-	-	7,40	-	6,34
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[2]	-	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	264	264	295	295
Internal unit sound power level	dB(A)	44	44	41	41
Hot water					
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
Singulary output capacity at 40°C tapping temperature - heat pump	l	315	315	315	315
Singulary output capacity at 40°C tapping temperature - electrical heating unit	l	432	432	432	432

[1] With integrated passive cooling module.
[2] 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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09.2019/8183889 • iDM product sheet iPump T
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