

FULL YEAR / SEASONAL Heat Pump

HP INVENTOR Compact / Split



**TECHNOLOGY
THAT POWERS YOU**

HP 2300/2800 INVENTOR Compact

HP 2300/2800 INVENTOR Split

23 -28.4 kW/ 80 - 120 m³

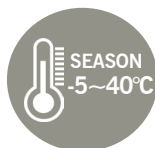
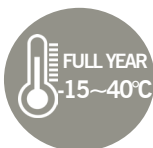


Designed for public/commercial applications such as public pools, hotel pools, school pools.

MICROWELL HP Inventor is innovative pool water conditioning solution.

HP Inventor range is optimised for large pools, delivering continuous and stable production of water heating or cooling.

Designed on the principle of renewable energy source, HP Inventor with exceptional efficiency has low environment impact and low costs consumption; all a result of superior Microwell technology.



Main Features:



Automatic Heating/Cooling

Designed to reach the top results, they are able to change the mode fluently from heating to cooling, or other way round. It depends on the setting of the required pool temperature.



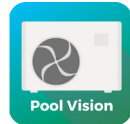
Low Noise Emission

Unobtrusive operation of Microwell HP range is achieved by quality air fan and compressor.



Wi-Fi on demand

Regulation over Wi-Fi; ANDROID and IOS APP



Full Year modification as accessory

WINTER modul allows using heat pump till -15°C of ambient air temperature.



Chiller adjustment as accessory

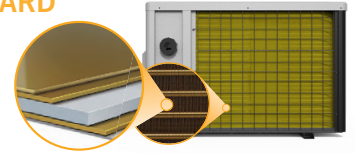
Extra thermal insulation, which allows water cooling to +8°C.



Hot gas defrost is STANDARD

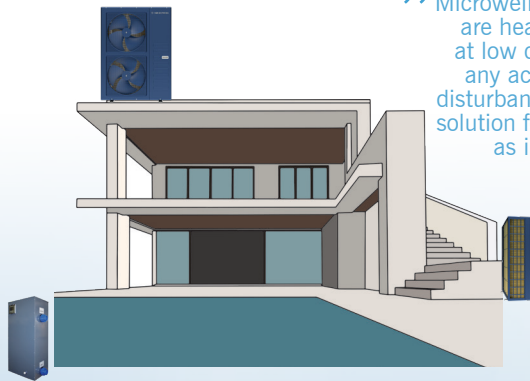
4-way valve hot gas defrost Expansion valve with GoldFin

- Improved heating in outdoor air under 10°C
- Improved defreezing



GoldFin epoxid aluminium
100% corrosion free

HP SPLIT version



” Microwell Split heat pumps are heating pool water at low cost and without any acoustic or visual disturbance. They are ideal solution for outdoor as well as indoor pools. “



| Model | HP 2300 INVENTOR | HP 2800 INVENTOR |
|---|---|---|
| PERFORMANCE CONDITION: Air 27°C/Water 27°C/Humidity 80% | | |
| Heating capacity (kW) | 23.0 | 28.4 |
| COP | 6.4 | 6.4 |
| PERFORMANCE CONDITION: Air 15°C/Water 26°C/Humidity 70% | | |
| Heating capacity (kW) | 17.6 | 22.9 |
| COP | 5.4 | 5.4 |
| PERFORMANCE CONDITION: Air 35°C/Water 28°C/Humidity 80% | | |
| Cooling capacity (kW) | 17.5 | 25.0 |
| TECHNICAL SPECIFICATIONS | | |
| Advised pool volume (m ³) | 60-80 | 80-120 |
| Sound level min. at 10m dB(A) | 29 | 32 |
| Operating air temperature (°C) | -5°C~+40°C, with FULL YEAR modification -15°C~+40°C | |
| Compressor type | Panasonic / Sanyo, scroll | |
| Heat exchanger (Grade & Surface of Titanium) | Titanium Twisted Gr 1- ASTM265; 0.95m ² | Titanium Twisted Gr 1- ASTM265; 1.2m ² |
| Cover | Metal powder coated; sound insulation of the panels | |
| Refrigerant | R410A | |
| Make | COMPACT / SPLIT | |
| INSTALLATION | | |
| Power supply | 400V/3pH/50Hz | 400V/3pH/50Hz |
| Water connection | 50mm (6.4") | |
| Protection and cable size (20m) | C 10 A (5G2.5mm ²) | C 16 A (3G2.5mm ²) |
| Rated power input (kW) | 3.5-5.5 | 4.2-7.0 |
| Advised water flow (m ³ /h) | 8-10 | 8-12 |
| Net dimensions LxWxH (mm) | 942x1550x360 - COMPACT 942x1250x360 - SPLIT | 942x1550x360 - COMPACT 942x1250x360 - SPLIT |
| Net weight (kg) | 118 | 120 |
| ACCESSORIES | | |
| Wi-Fi | SMART HP mobile app | |
| WINTER modul | Operating air temperature -15°C~+40°C | |
| Tropical kit - extra compressor cooling | Up to +60°C ambient air | |
| CHILLER - extra thermal insulation | To allow water cooling to +5°C | |

Parameters of HP INVENTOR line

Remarks: * The data above is only for reference. For specific data, please refer to the nameplate on the unit.
Note: Manufacturer reserves the right to change above technical data without notice.

