

# HP 1100 Premium

Models

COMPACT



SPLIT



11.3 kW / 40 m<sup>3</sup>

**WATER FLOW**  
From 4 to 6 m<sup>3</sup>/h

**WATER EXCHANGER**  
Titanium of class Gr2 ASTM B338  
with surface up to 0.7 m<sup>2</sup>  
pressure drop max 15kPa

**AIR FAN**  
Axial air fan  
protection fan grates

**COVER**  
Metal galvanized  
powder coated

**COMPRESSOR**  
LG  
scroll  
quiet & energy class A+  
microCOMPRESSOR+

**WATER CONNECTION**  
DN50 internal 6/4" thread

**ACTIVE DEFROST**  
4-way valve

**CONTROL PANEL**  
LCD display  
AUTO mode  
microECONOMY+  
antiFREEZE+

**AIR EXCHANGER**  
Gold fin epoxid  
anti-corrosion  
salt water resistant

**REFILLING VALVE**  
Valve for refrigerant

**SILENT BLOCKS**  
antiVIBRATION+

**COP**  
up to 7.9  
at Air 26°C / Water  
26°C / Humidity 80%

**Automatic**  
**HEATING**  
**COOLING**  
included

**FULL YEAR**  
heating  
**-15°C|+40°C**

**WIFI**  
control  
possible

HP 1100 PREMIUM is the line of units with the ultimate performance and features no other units have.

With 11.3 kW capacity they are optimised for small pools.

HP 1100 PREMIUM line comes in two versions: HP 1100 COMPACT Premium, HP 1100 SPLIT Premium.

**STANDARD EQUIPMENT:**

- MICROWELL HP heat pump
- Circulation pump control
- microCOMPRESSOR+
- microECONOMY+
- User manual

**ACCESSORIES:**

- Winter module
- Heat exchanger frost protection
- Condensate tray defrost
- Protection cover
- Control panel placement
- Hydro kit
- Split model connection length
- **WIFI**

	Pool capacity (cover / no cover)	Heating capacity (A25/W10/RH35%)	Cooling capacity (A30/W35)	(A26/W26/RH63%)			Operating temperature	Water flow		Power supply	Heat exchanger	Titanium surface	Acoustic pressure level	Water circuit connection	Dimensions (condensing unit + water unit with box (without box))
				Heating output	Power consumption	COP		m <sup>3</sup> / h	kPa						
<b>MODEL</b>	m <sup>3</sup>	kW	kW	kW	kW	COP	°C	m <sup>3</sup> / h	kPa	V AC / ph	type	m <sup>2</sup>	dB (A)	mm / inch / thread	W / H / D
HP 1100 Compact PREMIUM	40 / 30	10	8.2	11.3	1.74	6.5	-15 ... +40	4 - 6	1 - 5	230 / 1	Titanium Gr 2 ASTM B338	0.60	54/48/42/36	ø50 / 6/4 / internal	870 x 950 x 320
HP 1100 Split PREMIUM															870 x 655 x 320 + 750 x 370 x 430 (650 x 370 x 400)



MICROWELL HP range of swimming pool heat pumps is a full capacity range operating on the principle of renewable energy, designed for continuous and stable production of water heating or cooling in any pool environment. Their exceptional efficiency, low environment impact and low costs are the result of superior technology, putting them at the industry's forefront.

#### INCREDIBLE EFFICIENCY OF HP RANGE

Efficiency of Microwell heat pumps is proven to be the best. Designed to reach the top results, they are able to extract heat or cold present in ambient environment and leverage it into the pool water. While heating, higher the ambient air temperature is, the more free energy can the heat pump extract operating with high efficiency. At favourable conditions users of Microwell heat pumps pay less than 15% of heat meaning 85% of the heat is free.

#### EFFECTIVELY REDUCED ENERGY CONSUMPTION

The result of technologically advanced design is the PREMIUM line with ultimate performance, the shortest heating time, the lowest operational costs and the lowest energy consumption on the market. OMEGA line delivers superior COP and heating outputs, PREMIUM line with superb water control are above others.

#### 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.

#### COMPLETE CAPACITY RANGE

Microwell heat pump range has been carefully conceived and designed to offer a comprehensive line of heating solutions that can serve any pool size; from small residential pool to hotel or spa and large leisure centre pools with volume exceeding 400m<sup>3</sup>. Microwell heat pumps also include comfort SPLIT range designed for full year heating of internal and external pools.

#### LOW NOISE EMISSION

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

#### HP COMPACT vs HP SPLIT

COMPACT heat pump is one device, that provides desired water temperature in the pool.

It requires only water connection, power supply and convenient place to be installed. Simple and affordable system.

SPLIT heat pump consists of two blocks. Outdoor unit is the source of heat. It contains a compressor, ventilator and air heat exchanger. Indoor unit contains water heat exchanger and control sensors. Outdoor unit is placed away from a pool as far as 30m horizontally and 15m vertically. The result is warm water without seeing or hearing the heat pump working.

Market's most efficient swimming pool heating solution.

SWIMMING POOL HEAT PUMP



# HP 1100

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