

HP 1000 Omega

Models

COMPACT



SPLIT



10.7 kW / 40 m³

WATER FLOW
From 4 to 6 m³/h

WATER EXCHANGER
Titanium of class Gr2 - ASTM B338
with surface up to 0.48 m²
pressure drop max 15kPa

AIR FAN
Axial air fan
protection fan grates

WATER CONNECTION
DN50 internal 6/4" thread

ACTIVE DEFROST
4-way valve

CONTROL PANEL
LCD display
AUTO mode
microECONOMY+
antiFREEZE+

COVER
Metal galvanized
powder coated

COMPRESSOR
LG
scroll
quiet & energy class A+
microCOMPRESSOR+

AIR EXCHANGER
Gold fin epoxyd
anti-corrosion
salt water resistant

REFILLING VALVE
Valve for refrigerant

SILENT BLOCKS
antiVIBRATION+

COP
up to 7.0
at Air 26°C / Water
26°C / Humidity 80%

Automatic
HEATING
COOLING
included

FULL YEAR
heating
-15°C | +40°C

WIFI
control
possible

Series HP 1000 are highly efficient units.
With 10.7 kW capacity they are optimised for smaller pools.

HP 1000 Omega line comes in two versions: HP 1000 COMPACT Omega, HP 1000 SPLIT Omega.

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 ³ / h	kPa						
MODEL	m ³	kW	kW	kW	kW	COP	°C	m ³ / h	kPa	V AC / ph	type	m ²	dB (A)	mm / inch / thread	W / H / D
HP 1000 Compact OMEGA	40 / 30	9.1	7.6	10.7	1.88	5.7	-15 ... +40	4 - 6	5 - 15	230 / 1	Titanium Gr 2 ASTM B338	0.43	54/48/42/36	ø50 / 6/4 / internal	870 x 870 x 320
HP 1000 Split OMEGA															870 x 655 x 320 + 345 x 590 x 415 (450 x 590 x 220)



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 and carefully set operational rhythm of all HP products is **the lowest** energy consumption on the market.

LOW NOISE EMISSION

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

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 400m³. Microwell heat pumps also include comfort SPLIT range designed for full year heating of internal and external pools.

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.

SWIMMING POOL HEAT PUMP



HP 1000

1000

Market's most efficient swimming pool heating solution.