# HP 1000 Omega

COMPACT





SPLIT





## 10.7 kW / 40 m<sup>3</sup>

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

VEW

- Heat exchanger frost protection
- Condesate tray defrost

- Hydro kit
- Split model connection length • WIFI

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

WATER EXCHANGER

Titanium of class Gr2 ASTM B338 with surface up to 0.48 m<sup>2</sup> pressure drop max 15kPa

**AIR FAN** Axial air fan protection fan grates WATER CONNECTION DN50 internal 6/4" thread

MICROWELL

**ACTIVE DEFROST** 

CONTROL PANEL

### COVER Metal galvanized powder coated

#### COMPRESSOR LG

scroll quiet & energy class A+ microCOMPRESSOR+

**AIR EXCHANGER** Gold fin epoxid anti-corrosion salt water resistant **REFILLING VALVE** Valve for refrigerant

	Pool capacity (cover / no cover)	Heating capacity (A25/W10/RH35%)	Cooling capacity (A30/W35)	(A26/W26/RH63%)			Operating	Water		Power	Heat	Titanium	Acoustic	Water circuit	Dimensions (condensing unit +
				Heating output	Power consumption	СОР	temperature	flow		supply	exchanger	surface	pressure level	connection	water unit with box (without box))
MODEL	m³	kW	kW	kW	kW	СОР	۰C	m³/h	kPa	V AC / ph	type	m²	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		54/48/42/36	ø50 / 6/4 / internal	870×870×320
HP 1000 Split OMEGA															870 x 655 x 320 + 345x590x415 (450x590x220)





4-way valve

LCD display AUTO mode microECONOMY+ antiFREEZE+

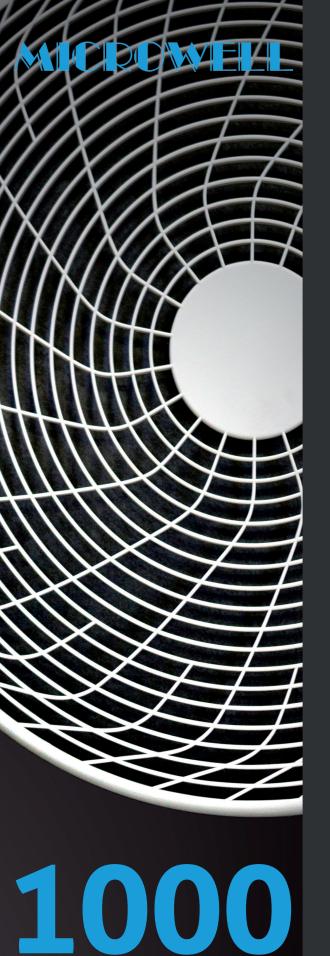
COP up to 7.0 at Air 26°C / Water 26°C /Humidity 80%



FULL YEAR heating -15°C|+40°C

SILENT BLOCKS antiVIBRATION+

MF control possible



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.

#### 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.

#### 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.

#### 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

#### Market's most efficient swimming pool heating solution.

MICROWELL, spol. s r.o. SNP 2018/42 927 01 Šal'a, SLOVAKIA

p (+421) 31/702 0540 m (+421) 911/413 990 f (+421) 31/702 0542

e export@microwell.sk e microwell@microwell.sk www.microwell.eu



