

# GREEN|R32|LINE

Models

HP 1000 GREEN



HP 1400 GREEN



9.2 kW / 45 m<sup>3</sup>

12.3 kW / 55 m<sup>3</sup>

**WATER FLOW**  
From 4 to 5.3 m<sup>3</sup>/h

**WATER EXCHANGER**  
Titanium of class Gr1 - ASTM B265  
with surface up to 0.48 m<sup>2</sup>  
pressure drop max 15kPa

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

**COVER**  
ABS white

**COMPRESSOR**  
Mitsubishi  
rotary  
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**  
Plastic protection grill

**SILENT BLOCKS**  
antiVIBRATION+

**26%**  
HIGHER  
COP

**30%**  
BETTER  
PERFORMANCE

**40%**  
MORE  
TITANIUM

**FULL YEAR  
HEATING**  
-15°C | +60°C

- Optimised for smaller pools.
- Automatic cooling / heating
- Economy fixed speed
- Hot gas defrost is STANDARD
- New environment friendly refrigerant R32

**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

	Pool capacity (cover / no cover)	Heating capacity (A7/W27/RH80%)	Cooling capacity (A35/W28)	Power consumption	COP	Operating temperature (with accessories)	Water flow	Power supply	Heat exchanger	Acoustic pressure level	Water circuit connection	Dimensions (condensing unit + water unit with box (without box))
MODEL	m <sup>3</sup>	kW	kW	kW	COP	°C	m <sup>3</sup> / h	V AC / ph	type	dB (A)	mm / inch / thread	W / H / D
HP 1000 GREEN On-Off	45 / 30	9.2	4.9	1.4	6.1	-15 ... +60	4	230 / 1	Titanium Gr 1 ASTM B265	46	ø50 / 6/4 / internal	910x620x360
HP 1400 GREEN On-Off	55 / 40	12.3	6.2	1.8	6.0	-15 ... +60	5.3		52	1000x665x385		





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 400m<sup>3</sup>. Microwell heat pumps also include comfort SPLIT range designed for full year heating of internal and external pools. Microwell has also designed special winter accessories allowing heat pumps to work effectively by -15°C.

**HIGHLY EFFICIENT ECOLOGICAL REFRIGERANT R32**

Reducing Global Warming & Ozone Layer Depletion by HP production  
Microwell supports the use of R32 refrigerant and develops products with the aim of optimising energy efficiency. Using R32 is our choice with proven environmental benefits.

**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.**



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SWIMMING POOL HEAT PUMP



**HP 1000 / 1400  
 GREEN On/Off**

1000  
 1400