

HP 1700

Models

Compact



Split



17 kW / 70 m³

WATER FLOW
From 6 to 8 m³/h

AIR FAN
Axial air fan
protection fan grates

WATER CONNECTION
DN50 internal 6/4" thread

CONTROL PANEL
LCD display
AUTO mode
antiFREEZE+

ACTIVE DEFROST
4-way valve

COVER
ABS

SILENT BLOCKS
antiVIBRATION+

REFILLING VALVE
Valve for refrigerant

AIR EXCHANGER
Gold fin epoxid
anti-corrosion
salt water resistant

WATER EXCHANGER
Titanium of class Gr2 - ASTM B338
with surface 0.80 m²
pressure drop max 15kPa

COMPRESSOR
Toshiba
quiet & energy class A+
microCOMPRESSOR+

26%
HIGHER
COP

30%
BETTER
PERFORMANCE

40%
MORE
TITANIUM

FULL YEAR
HEATING
-15°C | +40°C

*Based on 2016 review and ISO 17025 lab testing of respective products by various manufacturers.

Series HP 1700 are highly efficient units. With 17 kW capacity they are optimised for bigger pools. Operating on the principle of renewable energy, they are ensuring continuous and stable 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.

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

Microwell reserves the right to change the technical data without notice.

| MODEL | Pool capacity (cover / no cover) | Heating capacity (A25/W10/35%RH) | Cooling capacity (A30/W35) | Heating output (A26/W26/63%RH) | Power consumption (A26/W26/63%RH) | COP (A26/W26/63%RH) | Operating temperature | Water flow | | Power supply | Heat exchanger | Titanium surface | Acoustic pressure level | Water circuit connection | Dimensions |
|-----------------|-------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|--------------------------------------|------------------------|-----------------------|--------------------|--------|--------------|-----------------------|------------------|-------------------------|--------------------------|------------------------------------|
| | | | | | | | | m ³ / h | kPa | | | | | | |
| HP 1700 Compact | 70 / 50 | 14.7 | 13.21 | 17.01 | 3.47 | 4.9 | -15 to +40 | 6 - 8 | 5 - 15 | 230 / 1 | Titanium Gr ASTM B338 | 0.80 | 56/50/43/39 | 50 / 6,4 / internal | 1125 x 707 x 453 |
| HP 1700 Split | | | | | | | | | | | | | | | 1125 x 707 x 453 + 750 x 370 x 430 |



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.

MICROECONOMY+

Microwell heat pumps are designed to produce the highest energy yield by carefully planned operational rhythm of a circulation pump. microECONOMY+ is a technology of the most economy circulation pump control. Microwell swimming pool heat pump with microECONOMY+ ensures heating of your pool sooner and cheaper than any other swimming pool heat pump.

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. Microwell has also designed special winter accessories allowing heat pumps to work effectively by -15°C.

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.

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 1700

1700

Market's most efficient swimming pool heating solution.

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