A wide range of solutions

SWIMMING POOL	8 x 4m	10 x 5 m	12 x 6 m
Standard volume (average depth 1.50 m)	48 m³	75 m³	108 m³
Recommended pump	PAC 16	PAC 22	PAC 31
Heating capacity	16 kW	22 kW	31 kW
Consumed energy	2,8 kW	3,4 kW	5,9 kW
Performance coefficient	5,7	6,4	5,2
50 Hz electricity supply	monophasis 230 V	monophasis 230 V	triphasis 400 V
Weight	85 Kg	93 Kg	145 Kg
Dimensions	1140 x 450 x 690 mm	1140 x 450 x 690 mm	1140 x 450 x 1170 mm

*Outside air temperature 26° C, water 28° C

Calculation software Aquavariations

Our thermodynamic calculation software allows you to quickly find out the pump's rate of energy consumption, depending on variables such as the size of your pool, your geographic location, and how you use the pool.

www.polytropic.fr

guarantee 2 years

Polytropic pumps fully comply with current EC regulations and are guaranteed for 2 years, including parts and labour. The exchanger has a ten year guarantee.

POLYTROPIC

20 years of experience with thermodynamics

*TROPICAL DREAM

heat pumps for swimming pools

POLYTROPIC

Enjoy your pool

as soon as the first good weather of the year arrives

When the sun starts to shine, the pool looks inviting. But, unfortunately, as the air is still cool, the water in the pool remains cold. The answer is a Polytropic heat pump. It means you can use your pool from Spring through to Autumn.

This is how the heat pump works:

Very simply, it captures heat from the air and transfers it to the water in your pool. So the water remains at a pleasant, usable temperature all the time.

It is cost-effective technology to heat the water in your pool.

Because it uses thermodynamics, the heat pump needs just 1 Kw/H to produce heating power of 5 Kw/H. It is one of the most efficient heating systems available. The heat pump costs just one euro a day for a 50 m³ pool when the air temperature is 15° C. Both the purchase price and cost of installation are very reasonable.

Always a perfect temperature

Once the air temperature exceeds 10° C, you can use the pump's digital meter to adjust the temperature of the water in the pool, up to 32° C.
To enjoy perfect conditions for swimming, we advise you to set the water temperature between 26 and 28 degrees and you will feel like you are floating in a tropical sea.

The swimming pool, a great recreational facility

Now you can extend the time you can use your swimming pool

For all the family to enjoy

Make your children happy

Create a wonderful, fun atmosphere for all

Advice for users

To get the greatest benefit and the best possible energy savings from the heat pump, we recommend you use a plastic or solar cover when your pool is not being used.

Polytropic a new generation of heat pumps for pools

- high performance
- quiet
- ecological
- easy to install
- hard wearing
- good looking

It consumes 1kw to produce 5kw, one of the best performance ratios available.

Between 38 and 44 dB at a distance of 10 m. Quieter than your pool's own filtration pump.

To protect the environment, it uses the non-ozone depleting refrigerant R407C.

Comes equipped with all hydraulic and electric connections.

Exterior epoxy coating, to withstand all weather conditions.

Its sleek design and muted colours mean it will fit in perfectly in your garden.

Worry free technology

When you switch it on, just select the desired temperature. The pump, connected to the filtration system of your pool, will go into action and turn itself off when there is no further need to heat the water.
The technology utilises the most up-to-date and reliable industrial components: Copeland Scroll compressor, Titanium exchanger, special design coil, Carel digital controller, refrigerated components Danfoss , security controls, ...

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