

WINTERPROOF

WATER TEMPERATURE: +26° C



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Master Series Heatpumps from Polytropic France



heat pumps R-PAC

with reverse cycle defrost system

 POLYTROPIC



# Make the most of your

## swimming pool

The water in your pool is not always at the ideal temperature. Whether you have an indoor, outdoor or covered pool, most of the time, to have water temperature between 26° and 28° you need to heat your pool.



**Heat pumps RPAC, the most efficient and the most economical technology to heat the water with an outside air temperature as low as - 5° C.**

### Heat pump with reverse cycle defrost system: the optimal solution

The solution for low temperatures, when traditional heating (fuel oil, gas, electricity) are too expensive and when renewable energy (solar, geothermic, or non reversible heat pumps) have reached their limits of functioning.



### Operating instructions

Heat pump with reverse cycle defrost system captures calories present in the air and returns them to the water to heat your pool. Thanks to its reverse cycle, Heat pump R-PAC is able to function at negative temperatures (as low as - 5° C) ensuring functioning in all weather conditions (with a possible additional element in certain regions).

### Water heating

The ideal water temperature for swimming is between 26° C and 28° C, heating the water depends on the ambient air temperature and the initial temperature of the water to be heated.

The RPAC heat pump will allow you to benefit from the best conditions of water temperature from an outside air temperature as low as - 5° C.

It is essential to associate the use of heat pump R-PAC with a pool cover, in order to limit the natural heat loss.



# The pool at a pleasant temperature for longer

**+ Efficient**

Functions as low as - 5° C approximately

**+ Silent**

From 36 to 47 dB at 10 m

**+ Ecological**

Use of R407C fluid

**+ Anticorrosion**

Titanium exchanger

**+ Resistant**

Weather resistant

**+ Aesthetic**

Optimal integration in your environment

**+ Easy installation**

Hydraulic and electric pre-equipment connections

**+ Reliable**

Industrial components: Copeland compressor, titanium exchanger, Carel electronic regulation, Danfoss refrigerated components.



## RPAC Auto-adaptative technology

Associates efficiency and intelligence to regulate the temperature of the water to the desired degree by optimising the functioning parameters according to climatic conditions.

# Table of characteristics

The efficiency of our heat pumps is illustrative; the efficiency is calculated for an ambient air temperature of 15°C and a water temperature of 28 °C

Heat pump	R PAC16		R PAC22		R PAC31	
Swimmingpool size	To choose the most suitable heat pump for your swimming pool and you needs, please get in touch with us for a specific quotation.					
Heating Capacity	8 kW	16 kW	12 kW	22 kW	18 kW	31 kW
Consumed energy	1,7 kW	2,8 kW	2,5 kW	3,9 kW	3,8 kW	5,9 kW
Performance coefficient	4,7	5,7	4,8	5,6	4,7	5,2
50 Hz electricity supply	Monophasis 230V		Monophasis 230V		Triphasis 400V	
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	

■ 15° C air / 28° C water / 60% humidity  
 ■ 28° C air / 28° C water / 60% humidity



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.