

ASTRALPOOL 

Pool water heating

 Proheat II



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Proheat II, for pools or more than 100 m³

The **PROHEAT II** pump enables the bathing season of medium-sized and large pools to be lengthened. It has been specially designed to work outdoors at external air temperatures as low as 0 °C to heat pool water to a pleasant temperature. Its good value for money makes it one of the most competitive options in the market.

Every component was carefully selected in the design of this unit so that it would adapt perfectly to user requirements. Furthermore, **energy efficiency** was made one of the focal points of the design so that these Proheat II pumps would consume as little energy as possible. Thus, the performance of this heat pump has earned it a B rating on the energy labels used by leading manufacturers in the pool sector (compliant with EU standard 14511-4 on FPP classification).

Amongst its many other outstanding features, its robust, lightweight components make it easy to move around, whilst the materials used for the housing and seals have extended its service life, all of which have made it the top selling heat pump in the market. These materials prevent the colour from fading, which may happen if the heat pump is exposed to sunlight. In addition, the aluminium-magnesium alloy used to make the Proheat II prevent the corrosion that can form if sheet metal housing is used.

The Proheat II heat pump has been designed so that the built-in cooling circuit has **totally optimised components** that result in the compressor, evaporator, condenser, expansion valve and the piping being just the right size to deliver maximum power. This means that the refrigerant gas (R-410A, which does not damage the ozone layer) load is very low in comparison with other models available in the market.

The Proheat II heat pump comes in 5 models with power ranges from **35 kW to 120 kW**, so a unit can be selected that best adapts to the requirements of any given pool.

The Proheat II heat pump is manufactured in Europe by Talleres del Agua, a company that belongs to the Fluidra Group.

Its main features and advantages are:



- Robust, lightweight casing made of corrosion-resistant magnesium coated aluminium, on an aluminium rack. The colour does not fade.
- High performance evaporator coil (gas-air heat exchanger) made of copper piping and lacquered aluminium fins specially designed for corrosive and seaside environments.
- Axial fan/s.
- Scroll compressor.
- Water condensers in G2 titanium.
- Guaranteed against corrosion. R-410-A refrigerant gas.
- High and low pressure switches (HP/LP).
- Thermostatic expansion valve with external regulator.
- Reverse cycle defrosting with 4-way valve.
- Two-way dehydrating filter.
- Hydraulic circuit with water inlet flow switch, made of PVC piping.
- Purification system controller.
- Circuit breakers for the control and drive.
- Easy-to-use control panel with display of actual and default temperature setting; alarm messages.

Heat pump for outdoor pools

Proheat II



- Enables pools to be used for longer.
- Water can be heated in air temperatures as low as 0 °C
- Pump for outdoor installation.



ALL YEAR ROUND

Energy Swimming Pool Heat Pump



Less Efficient
Europe Norm 14511-4
(According to FPP classification)

Models	Proheat II 35	Proheat II 45	Proheat II 60	Proheat II 90	Proheat II 120
Code	65542	65543	65543	65544	65546
Recommended pool volume* [m ³]	130	160	210	300	400
Power [kW] at ambient temp. of 15 °C	35	43	55	85,5	111
COP at ambient temp. of 15 °C	4,7	5,0	4,3	4,3	4,6



Download the Toolbox app
to select your heat pump

* Estimated figures for keeping pool water at 26 °C with an ambient temperature of 15 °C and a heat retention cover.



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