



POLYTROPIC
· POOL HEATING SOLUTIONS ·



URBAN

Designed for small swimming pools

Developed to rapidly heat small inground or above ground pools, URBAN is a compact, easy to install swimming pool heat pump.



This small, robust and easily transportable heat pump benefits from POLYTROPIC's expertise in energy efficiency and low noise levels:

- The machine's power is matched to the size of the pool
- Easy to install: adjustable feet for levelling and quick connection via a standard power socket
- Simple, intuitive settings for fast water heating
- Compact dimensions and carrying handles for easy storage at the end of the season



Features and **benefits**



EASY AND INTUITIVE OPERATION

An intelligent electronic display



EASY INSTALLATION

Equipped with a socket and circuit breaker, it plugs directly into a conventional electrical socket without the need for a technical room.



COMPONENT QUALITY

An evaporator with "blue fins" treatment for improved corrosion resistance and good condensation drainage (hydrophobic).



A Toshiba rotary compressor running on R32 refrigerant gas.



A corrosion-resistant PVC/titanium spiral condenser.



Defrosting by cycle inversion, better performance at the beginning and end of the season.



RAPIDITY

Rapid temperature rise.

The ideal bathing temperature is reached in a few hours, depending on the volume of water and the type and use of the cover (tarpaulin).

ACCESSORIES INCLUDED: hydraulic connections, condensate drainage kit.

Technical specification

MODEL	URBAN 20	URBAN 30
SCOP acc. to EN 17645	4,4	4,5
Classification acc. to EN 17645	C	C
Recommended pool size*	10-20 m ³	20-30 m ³
Air 26°C / Water 26°C / Humidity 80%		
Energy Output	4,3 kW	5,2 kW
COP	5,2	5,3
Air 15°C / Water 26°C / Humidity 70%**		
Energy Output	3,1 kW	4,0 kW
COP	4,4	4,3
Air 7°C / Water 26°C / Humidity 90%		
Energy Output	2,4 kW	2,7 kW
COP	2,5	2,9
Noise level CTTM mini-maxi (at 10m) according to EN ISO 3741 : 2010 **	35 dB(A)	38 dB(A)
Noise level min-max (at 10m) acc. to EN ISO 3744 : 2010	34 dB(A)	35 dB(A)
Temperature working range	0°C -> 43°C	
Installation		
Hydraulic connections	Barbed fittings 32/38 mm - 32/50 mm (Option)	
Power	230 V / 1~N / 50 Hz	
Circuit breaker and cable size (for 20m)	C 10 A (3G 2,5 mm ²)	C 10 A (3G 2,5 mm ²)
Power Input Max (air 26°C)	0,8 kW	1,0 kW
Minimum water flow	1,5 m ³ /h	2,0 m ³ /h
Dimensions in mm (L x l x h)	438 x 295 x 375	458 x 310 x 395
Weight (net)	23,8 kg (24,8 kg)	26,2 kg (27,2 kg)

* Period from May to September with cover

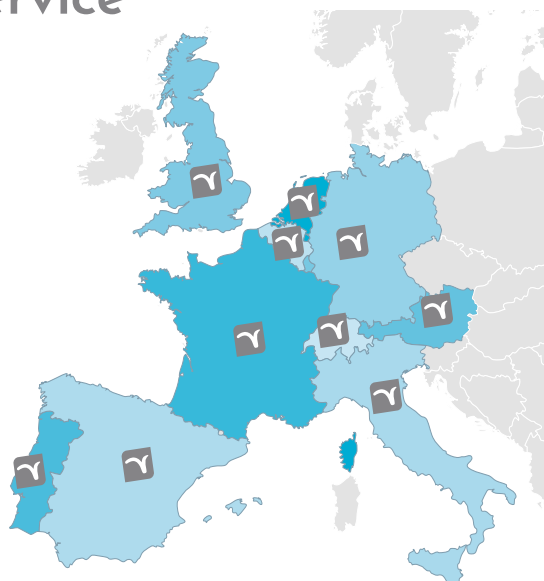
** Tests carried out at an air temperature of 15°C, with a water inlet at 26°C and a water outlet at 28°C to define the water flow rate, heating capacity and consumption, in accordance with FPP recommendations.

***Noise levels at 10 m, certified by the independent laboratory Centre de Transfert de Technologie in Le Mans, in accordance with EN ISO 3741: 2010.

A simple and effective after-sales service

FOR ALL PROFESSIONALS AND PRIVATE INDIVIDUALS

- **Technical support** for installers: selection, installation and commissioning
- **After-sales diagnostics** directly with the customer.
Initiates and carries out all necessary procedures without the need for written confirmation.
- **All calls taken into account: technical questions, applications, etc.**
- 130 technical stations in France and around **90 others in Spain, Germany, Benelux, the UK and Switzerland.**
- **Rapid interventions** in the shortest possible time



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