



# POLYTROPIC

• POOL HEATING SOLUTIONS •

-10°C

## STEPIO

### The discreet, high-performance heat pump for SPAs

The STEPIO heat pump is cleverly integrated into a step\* to provide a discreet, elegant solution while maintaining the spa water at an ideal temperature of 38°C. Suitable for all types of above-ground spa, up to a water volume of 8 m<sup>3</sup>, it ensures optimal operation all year round, while keeping energy bills low.



\* optional



## Equipment benefits



### SIMPLE AND INTUITIVE OPERATION

An intelligent electronic controller.



### OPTIMAL PERFORMANCES

**Optimal Twist** : a spiral wound PVC/titanium condenser that is impervious to corrosion.



**2D Technology** : an INVERTER compressor with enhanced performance, very high COP thanks to its hertz-by-hertz speed variation.



**DC Brushless** : a fan with variable speed down to the rpm to ensure optimum performance.



### INTELLIGENT OPERATING MODE

**PolySmart Control** : The heat pump regulates its own power to adapt to the needs of your pool, depending on the water temperature and the ambient temperature.



### LOW NOISE LEVELS

Standard sound insulation and variable compressor and fan speeds ensure extremely low noise levels.



### CONNECTED SOLUTION

**PolyConnect inside** : wifi module included for remote control via smartphone and permanent supervision by the TechniCenter. **4G optional.**



### EXCLUSIVE «LOW TEMPERATURE» SYSTEM

- Defrosting by cycle inversion,
- Compressor crankcase preheating,
- Condensate anti-freeze system,
- Automatic control of the «low temperature» system.



### ENERGY EFFICIENCY

- Full-Inverter technology
- Low-impact R32 refrigerant
- Improved COP.

**ACCESSORIES INCLUDED:** hydraulic connections, Silentblocks, condensate drain kit.



# NEW !

## INTELLIGENT MANAGEMENT

the heat pump is fitted with two integrated relays to control the filtration pump in 'heating priority' mode and activate the heater as back-up if necessary. When **the outside temperature drops below -10°C, the heat pump goes into protection mode and activates the heater** to ensure that the spa water temperature is maintained at an optimum level.

## Technical specifications

MODEL	STEPIO
<b>Air 26°C / Water 38°C / Humidity 80%</b>	
Energy Output	6,5 kW
COP	4,6
<b>Air 15°C / Water 38°C / Humidity 70%**</b>	
Energy Output	4,4 kW
COP BOOST Mode	3,4
<b>Air 15°C / Water 26°C / Humidity 0%</b>	
Energy Output BOOST mode	5,2 kW
COP BOOST Mode	4,6
Noise level CTTM max (at 10m) according to EN ISO 3741 : 2010 **	<b>33 dB(A)</b>
Maximum noise level (at 10m) according to EN ISO 3744 : 2010	<b>29 dB(A)</b>
Temperature working range	-10°C -> +43°C
<b>Installation</b>	
Hydraulic connexions	1,5" / 50 mm
Power	220-240 V / 1~+N / 50 Hz
Circuit breaker and cable size (for 20 m)	C 10 A (3G 2,5 mm <sup>2</sup> )
Power Input Max (air 28°C)	1,4 kW
Minnum water flow	3 m <sup>3</sup> /h
Dimensions in mm (L x l x h)	774 x 398 x 489
Weight net (gross)	37 kg (47 kg)

\* 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 in BOOST and ECO modes at 10 m, certified by the independent laboratory Centre de Transfert de Technologie in Le Mans, in accordance with EN ISO 3741: 2010.



### POLYCONNECT<sub>20</sub>



#### CONNECTED SOLUTION

**Easily connect** the heat pump by scanning the QR code, **control it** via the free app and **benefit from secure remote supervision** for preventive maintenance and remote diagnosis by Polytropic technicians.

