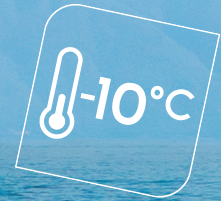




POLYTROPIC

Pool Heating Solutions



OTTIMO

Unique design and high technology




POLYCONNECT
INSIDE




4G
optional

**SILENCE AND DESIGN : YOU WILL WANT IT TO BE SEEN
BUT NOT HEARD !**

With its Inverter technology, its design and its vertical air discharge, OTTIMO is a compact and discreet heat pump, perfect for tight spaces.



Certified
noise levels 
Independent testing laboratory



Features and benefits



SIMPLE AND INTUITIVE OPERATION

Color digital touch screen.
Three operating modes: Heating, Cooling and Automatic.



INTELLIGENT OPERATING MODE

PolySmart Control: the heat pump autoregulates its output depending on the water and air temperature.

OPTIMAL PERFORMANCES



Optimal Twist: Titanium heat exchanger in a PVC housing, efficient and corrosion resistant.
2D Technology: inverter



compressor, higher COP thanks to the Hz by Hz variable speed motor.



DC Brushless: variable speed fan motor ensures optimal performance.



LOW NOISE LEVELS

Noise reduction insulation on all panels and rotation speed of the compressor and fan automatically adjusted to reduce noise to the minimum.



CONNECTED SOLUTION

PolyConnect inside : WiFi module included. Remote management with a smartphone and supervision by our TechniCenter.



Reverse-cycle defrosting



ENERGY EFFICIENCY

- Full-Inverter Technology,
- Low impact R32 refrigerant,
- Enhanced COP.

Accessories included: winter cover, 50 mm hydraulic connection kit, 4 «Silent block» anti-vibration pads, condensate drainage kit, multilingual user and maintenance manual.

PolySmart Control: a sizeable asset

EXCLUSIVE REGULATION AND ENERGY SAVINGS

- Optimization of the power required for maintaining the temperature of the pool by cross-referencing air temperature with water temperature data
- Anticipation of the pool's energy needs thanks to an advanced double-entry regulation.
- An overall higher COP during the season and lower noise levels.
- Inverter compressor with «oversized» exchangers = higher COP.
- Brushless variable speed fan = lower noise levels
- Combination of the Inverter compressor and the Brushless fan motor = automatic regulation of the power when the pool does not require full power.

3 OPERATING MODES



BOOST

The heat pump will raise its heating capacity in order to heat the pool water rapidly.



SMART

The output and the noise levels are automatically optimized by taking into account both the air and water temperatures.



ECO-SILENT

the maximum power output is limited in order to prioritize noise over heating power.

HIGHER COP



LOWER electricity bill



LOWER noise levels



BETTER user comfort

Technical specifications

MODEL	OTTIMO XS	OTTIMO S	OTTIMO S+	OTTIMO M	OTTIMO XM
SCOP acc. to EN 17645	8,1	8,8	7,5	7,0	7,2
Classification acc. to EN 17645	A	A	A	A	A
Recommended pool size*	35-45 m ³	45-55 m ³	55-70 m ³	70-85 m ³	85-105 m ³
Air 26°C / Water 26°C / Humidity 80%					
Energy Output BOOST mode	9,5 kW	12,8 kW	15,3 kW	18,2 kW	20,1 kW
COP BOOST mode	6,2	6,2	6,3	6,2	6,1
Energy Output SMART mode	9,5 ~ 3,2 kW	12,8 ~ 3,5 kW	15,3 ~ 3,9 kW	18,2 ~ 4,2 kW	20,1 ~ 5,5 kW
COP SMART mode	6,2 ~ 10,8	6,2 ~ 10,8	6,3 ~ 10,8	6,2 ~ 11,2	6,1 ~ 10,8
Energy Output ECO-Silent mode	3,2 kW	3,5 kW	3,9 kW	4,2 kW	5,5 kW
COP ECO-Silent mode	10,8	10,8	10,8	11,2	10,8
Air 15°C / Water 26°C / Humidity 70%**					
Energy Output BOOST mode	6,9 kW	9,1 kW	11,0 kW	12,7 kW	14,5 kW
COP BOOST mode	4,7	4,6	4,7	4,6	4,5
Energy Output SMART mode	6,9 ~ 3,5 kW	9,1 ~ 3,9 kW	11,0 ~ 5,0 kW	12,7 ~ 7,1 kW	14,5 ~ 7,0 kW
COP SMART mode	4,7 ~ 6,4	4,6 ~ 6,6	4,69 ~ 6,5	4,6 ~ 6,6	4,5 ~ 6,6
Energy Output ECO-Silent mode	3,5 kW	3,9 kW	5,0 kW	7,1 kW	8,0 kW
COP ECO-Silent mode	6,4	6,6	6,5	6,6	6,6
Air 7°C / Water 26°C / Humidity 90%					
Energy Output BOOST mode	5,9 kW	7,2 kW	8,7 kW	10,1 kW	12,2 kW
COP BOOST Mode	4,2	3,9	4	4,1	3,93
Air -7°C / Water 26°C / Humidity 0%					
Energy Output BOOST Mode	3,4 kW	4,5 kW	5,42 kW	6,35 kW	7,25 kW
COP BOOST Mode	2,5	1,4	2,4	2,3	2,2
Noise level CTTM mini-maxi (at 10m) according to EN ISO 3741 : 2010 **	31 ~ 33 dB(a)	24 ~ 34 dB(a)	27 ~ 37 dB(a)	28 ~ 38 dB(a)	29 ~ 38 dB(a)
Noise level min-max (at 10m) acc. to EN ISO 3744 : 2010	19 ~ 28 dB(a)	20 ~ 29 dB(a)	21 ~ 30 dB(a)	22 ~ 31 dB(a)	23 ~ 32 dB(a)
Temperature working range	-10°C -> 38°C				
Installation					
Hydraulic connexions	1,5"/50 mm				
Power	230 V / 1~N / 50 Hz				
Circuit breaker and cable size (for 20 m)	C 16 A (3G 2,5 mm ²)	C 16 A (3G 2,5 mm ²)	C 16 A (3G 2,5 mm ²)	C 20 A (3G 4 mm ²)	C 20 A (3G 4 mm ²)
Power Input Max (air 26°C)	1,5 kW	2,4 kW	2,6 kW	3,3 kW	3,6 kW
Minmum water flow	3 m ³ /h	4 m ³ /h	5 m ³ /h	5 m ³ /h	6 m ³ /h
Dimensions in mm (L x l x h)	Ø 704 x 802				
Weight net (gross)	43 kg (62,8 kg)	45 kg (67 kg)	47 kg (68,2 kg)	55 kg (73,8 kg)	57 kg (74,4 kg)

* Tests run with air temperature of 15°C, water inlet temperature of 26°C and water outlet temperature of 28°C in order to define the required water flow, heating capacity and consumption. In accordance with FPP recommendations (French Pool Federation).

**The BOOST and ECO mode noise levels at 10 m are certified by the independent testing laboratory CTTM according to EN ISO 3741 : 2010

***Noise levels in BOOST and ECO mode at 10 m, certified by the independent laboratory Centre de Transfert de Technologie du Mans, according to EN ISO 3741: 2010

Color TFT touch screen

A LARGE HIGHLY RESPONSIVE COLOR TOUCH SCREEN

- High capacitive TFT touch screen with a 480x480 resolution IPS panel
- Protected by a layer of thermal toughened glass to ensure maximal resistance
- Large size for good readability: L 72 x H 68 mm, 4" diagonal (over 10.5 cm)
- The mounting box with its transparent protective door protects the display from climatic conditions, dust and scratches. The screen and internal components are protected from damage.

Intuitive user interface

A MULTILINGUAL CONTROL INTERFACE

Intuitive navigation for an ease of operation, settings and all information are simultaneously viewed.



Access the 3 intuitive operating modes in a single gesture!



Alarm messages, diagnostics and problem resolutions, hotline contact



Access to the last 50 log-book events



Easily connect the heat pump by scanning the QR code, control via the free app and get secure remote monitoring for preventive maintenance and remote diagnosis by Polytropic technicians.



The Polyconnect application offers an additional **2 Year warranty on all parts***



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