



# POLYTROPIC

• POOL HEATING SOLUTIONS •



## OTTIMO

Unique design and high technology



  
POLYCONNECT 2.0  
INSIDE



4G



### SILENCE AND DESIGN: NO NEED TO HIDE IT!

With its FULL Inverter technology, sleek lines and vertical air discharge, OTTIMO is a compact, discreet heat pump that's perfect for small spaces.



Certified noise levels   
Independent testing laboratory



# Technical specification

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 <sup>3</sup>	45-55 m <sup>3</sup>	55-70 m <sup>3</sup>	70-85 m <sup>3</sup>	85-105 m <sup>3</sup>
<b>Air 26°C / Water 26°C / Humidity 80%</b>					
Energy Output BOOST mode	9,5 kW	12,8 kW	15,3 kW	18,2 kW	20,1 kW
COP BOOST Mode	6,2	6,4	6,3	6,2	6,1
Energy Output SMART mode	9,5 ~ 4,7 kW	12,8 ~ 6,4 kW	15,3 ~ 7,0 kW	18,2 ~ 9,0 kW	20,1 ~ 11,8 kW
COP SMART Mode	6,2 ~ 9,0	6,4 ~ 12,8	6,3 ~ 10,8	6,2 ~ 10,0	6,1 ~ 10,1
Energy Output ECO-Silence mode	4,7 kW	6,4 kW	7,0 kW	9,0 kW	11,8 kW
COP ECO-Silence Mode	9,0	12,0	10,8	10,0	10,1
<b>Air 15°C / Water 26°C / Humidity 70%**</b>					
Energy Output BOOST mode	7,0 kW	9,1 kW	11,0 kW	12,9 kW	14,7 kW
COP BOOST Mode	5,0	4,9	4,7	4,7	4,5
Energy Output SMART mode	7,0 ~ 3,5 kW	9,1 ~ 4,9 kW	11,0 ~ 6,8 kW	12,9 ~ 7,1 kW	14,7 ~ 8,5 kW
COP SMART Mode	5,0 ~ 6,4	4,9 ~ 6,6	4,7 ~ 6,9	4,7 ~ 6,6	4,5 ~ 6,6
Energy Output ECO-Silence mode	3,5 kW	4,9 kW	6,8 kW	7,1 kW	8,5 kW
COP ECO-Silence Mode	6,4	6,6	6,9	6,6	6,6
<b>Air 7°C / Water 26°C / Humidity 90%</b>					
Energy Output BOOST mode	5,9 kW	7,2 kW	8,7 kW	10,1 kW	12,2 kW
COP BOOST Mode	4,2	4,0	4,0	4,1	3,93
<b>Air -7°C / Water 26°C / Humidity 0%</b>					
Energy Output BOOST mode	3,4 kW	4,5 kW	5,4 kW	6,4 kW	7,3 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				
<b>Installation</b>					
Hydraulic connexions	1,5"/50 mm				
Power	230 V / 1~+N / 50 Hz				
Circuit breaker and cable size (for 20 m)	C 10 A (3G 2,5 mm <sup>2</sup> )	C 16 A (3G 2,5 mm <sup>2</sup> )	C 16 A (3G 2,5 mm <sup>2</sup> )	C 20 A (3G 4 mm <sup>2</sup> )	C 20 A (3G 4 mm <sup>2</sup> )
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 <sup>3</sup> /h	4 m <sup>3</sup> /h	5 m <sup>3</sup> /h	5 m <sup>3</sup> /h	6 m <sup>3</sup> /h
Dimensions in mm	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)

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

# Features and benefits



## SIMPLE AND INTUITIVE OPERATION

A LCD touch screen to program, display the temperature and set time slots

**3 operating modes: Heating, Cooling and Automatic**



## 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 performances.



Reverse-cycle defrosting



## 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

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 for remote control via smartphone and permanent supervision by the Technicenter. **4G optional**

## ENERGY EFFICIENCY

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

**ACCESSORIES INCLUDED:** winter cover, 50 mm hydraulic connection kit, condensate drainage kit.



## PolySmart Control : major assets

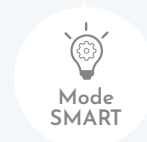
### EXCLUSIVE REGULATION AND SAVINGS

- **Optimise the power required to maintain the temperature** of your pool, by cross-referencing ambient temperature and water temperature data.
- **Anticipation of the pool's energy requirements** thanks to advanced dual input regulation.
- **Much higher COP** on average over the season + **low noise level**.
- Inverter compressor with «oversized» heat exchangers = **higher COP**.
- Brushless fan (variable speed) = **lower noise level**.
- Combination of Inverter compressor and Brushless fan = **power regulated** according to pool requirements.

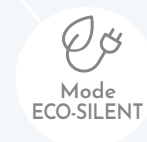
### 3 OPERATING MODES



*We ask the machine for maximum power to heat up quickly.*



*The power and sound level are automatically adjusted according to the temperature outside and in your pool.*



*The maximum power delivered by the machine is limited to ensure the lowest noise level and the highest COP at all times.*

HIGHER COP



LOWER electricity bill



LOWER noise levels



BETTER user comfort



## Color TFT touch screen

A LARGE HIGHLY RESPONSIVE COLOR TOUCH SCREEN

- Large, high-definition capacitive TFT touchscreen for excellent readability (W 72 x H 68 mm, 4» diagonal).
- Protected by a layer of **thermally toughened glass** to ensure **durability**.
- The **opaque protective door** protects the display from weather conditions, dust, scratches and UV rays.

## Intuitive user interface

### MULTILINGUAL CONTROL INTERFACE

Clear operation and easy navigation, responsive to the touch of a finger...



Alarm display, diagnosis and solution



History of the last 50 events



NEW!  
Lockable TFT screen  
to prevent mishandling

## POLYCONNECT 2.0 INSIDE



### CONNECTED SOLUTION

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



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