



POLYTROPIC

• POOL HEATING SOLUTIONS •



OTTIMO

Unique design and high technology


POLYCONNECT₂₀
• INSIDE •



Certified
noise levels 
Independent testing laboratory



Technical specifications

MODELS	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*	15-45 m³	45-55 m³	55-70 m³	70-85 m³	85-105 m³
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	6,4	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	9,0 ~ 6,2	12,0 ~ 6,4	10,8 ~ 6,3	10,0 ~ 6,2	10,1 ~ 6,1
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
Air 15°C / Water 26°C / Humidity 70%**					
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	6,4 ~ 5,0	6,6 ~ 4,9	6,9 ~ 4,7	6,6 ~ 4,7	6,6 ~ 4,5
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
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	4,0	4,0	4,1	3,9
Air -7°C / Water 26°C / Humidity 0%					
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 -> +43°C				
Installation					
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 mm²)	C 16 A (3G 2,5 mm²)	C 16 A (3G 2,5 mm²)	C 20 A (3G 4 mm²)	C 20 A (3G 4 mm²)
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 m³/h	4 m³/h	5 m³/h	6 m³/h	6 m³/h
Dimensions in mm	Ø 704 x 804				
Weight net (gross)	53 kg (70 kg)		58 kg (75 kg)	62 kg (80 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

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.

Equipment benefits



SIMPLE, INTUITIVE OPERATION

Colour TFT touchscreen.

3 operating modes: Heating, Cooling and Automatic (heating or cooling to maintain set 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 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.



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.



Zoom on :

- **More accessible hydraulic fittings** for easy installation (more space to manually tighten fittings)
- **A larger rear hatch**, easy to remove during installation, with 4 screws for easy access to the interior
- **A hinged electrical box** for easy access to the electrical connections during installation and for servicing and cleaning inside the heat pump.

You can also access the inside of the heat pump by unscrewing the **top panel** for easy maintenance.





Color TFT touch screen

A HIGHLY RESPONSIVE DIGITAL TOUCHSCREEN FOR EXCELLENT VISIBILITY

- 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.

AN INTUITIVE, MULTILINGUAL CONTROL INTERFACE

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

ZOOM ON

Screen protection case

- > Waterproof plastic casing with rubber seals and sturdier opaque protective door
- > Easy 180° door opening
- > Closes with a simple push
- > Reinforced plastic hinge, not subject to rest or breakage



Alarm display, diagnosis and solution



History of the last 50 events



Lockable TFT screen to prevent tampering



Warranties



The OTTIMO range come with a 5-year guarantee: **3 years** (parts, labour and travel on refrigeration problems) + a **2-year extended guarantee** (parts only). But also **15 years against corrosion of the titanium exchanger**, and **7 years on the compressor** (after expert appraisal).



POLYCONNECT_{2.0}



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.

