



POLYTROPIC

Pool Heating Solutions



OTTIMO

Unique design and high technology



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.



FEATURES AND BENEFITS



- **SIMPLE AND INTUITIVE OPERATION**
Color digital touch screen.
Three operating modes:
Heating, Cooling and Automatic.



- **LOW NOISE LEVEL**
Noise reduction insulation on all panels (ABS Panels).



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



- **INTELLIGENT OPERATING MODE**
The heat pump autoregulates its output depending on the air temperature.



- **OPTIMAL PERFORMANCES**
 - Titanium exchanger in a PVC housing, efficient and corrosion resistant.



- Inverter compressor, higher COP thanks to the variable speed motor.



INVERTER

- A DC brushless variable speed ventilator to ensure optimal performances.



- **CONNECTED SOLUTION**
Wifi included.
Compatible with the remote management solutions: Polyconnect PRO and LITE.

OUR TECHNOLOGY

- **EXCLUSIVE REGULATION**

- **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**.

- **3 OPERATING MODES**



BOOST

Boost Mode: the heat pump will raise its heating capacity to near full capacity in order to heat the pool water rapidly.



SMART

Smart Mode: the output and the noise levels are automatically optimized taking into account the air and the water temperature



ECO-SILENT

ECO-Silence Mode: the maximum power output is limited in order to prioritize noise over heating power.

- **INVERTER TECHNOLOGY AND ENERGY SAVINGS**

- 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** of Master-Inverter **when the pool does not require full power**.

HIGHER
COP

=



LOWER
electricity
bills




LOWER
noise levels

=



BETTER
user
comfort

TECHNICAL SPECIFICATIONS

Model	Ottimo XS	Ottimo S	Ottimo S+	Ottimo M	Ottimo XM
Recommended pool size*	30-45 m ³	45-55 m ³	55-70 m ³	70-85 m ³	85-105 m ³
Air 28°C / Water 28°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	6,3	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	10,8 ~ 6,3	10,8 ~ 6,2	10,8 ~ 6,3	11,2 ~ 6,2	10,8 ~ 6,1
Energy Output ECO-Silence Mode	5,8 ~ 3,2 kW	5,8 ~ 3,5 kW	7,1 ~ 3,9 kW	8,4 ~ 4,2 kW	9,9 ~ 5,5 kW
COP ECO-Silence Mode	10,8 ~ 8,3	10,8 ~ 8,3	10,8 ~ 8,3	11,2 ~ 8,5	10,8 ~ 8,3
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 ~ 2,6 kW	9,1 ~ 3,2 kW	11,0 ~ 3,5 kW	12,7 ~ 3,7 kW	14,5 ~ 4,2 Kw
COP Smart Mode	6.6 ~ 4.7	7.8 ~ 4.6	7.7 ~ 4.7	7.9 ~ 4.6	7.9 ~ 4.5
Energy Output ECO-Silence Mode	3.65 ~ 1.50 kW	4.53 ~ 1.70 kW	5.45 ~ 1.90 kW	7.40 ~ 2.15 kW	7.40 ~ 2.15 kW
COP ECO-Silent	6.6 ~ 6.4	7.8 ~ 6.6	7.7 ~ 6.5	7.9 ~ 6.6	7.9 ~ 6.6
Noise level minimum (at 10m)	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				
COMPONENTS					
Compressor	2D Full DC 				
Expansion valve	Electronic				
Exchanger	Coiled Titanium				
Housing	UV resistant ABS housing panels, sound insulation of the panels				
Refrigerant	R32				
INSTALLATION					
Hydraulic connections	1,5" / 50 mm				
Power	230V / 1~+N / 50 Hz				
Circuit breaker and cable size (for 20m)	C 16 A (3G2,5 mm ²)	C 16 A (3G2,5 mm ²)	C 20 A (3G2,5 mm ²)	C 25 A (3G4 mm ²)	C 25 A (3G4 mm ²)
Power Input Max	1,9 kW	2,6 kW	2,9 kW	3,8 kW	4,2 kW
Minimum water flow	4 m ³ /h			5 m ³ /h	
Dimensions in mm (Ø x h)	Ø 680 x 775mm				
Weight (net)	45 kg	47 kg	49 kg	52 kg	52 kg

* May to September with cover

** 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).



COLOR 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

THE MULTILINGUAL CONTROL INTERFACE INCLUDES NEW FEATURES for clear operations and intuitive navigation.



Access the 3 intuitive operating modes in a single gesture!



View all information simultaneously



Clock settings, timers and display parameters...



Wifi included = simple connected solution



Alarm messages, diagnostics and problem resolutions, hotline contact



Access to the last 50 log-book events

REMOTE CONTROL

Control remotely of all the parameters via the free app for smartphone or tablet for a connected and simple management!

