



POLYTROPIC

• POOL HEATING SOLUTIONS •



MORPHEO

Performance and customization



DARK

WOOD

CRISTAL

UP

A HIGH-PERFORMANCE FULL-INVERTER HEAT PUMP WITH A CUSTOMIZABLE FRONT PANEL

for a better integration within its environment.

A Polytropic exclusivity !



Technical specifications

MODELS	MORPHEO XXS	MORPHEO XS	MORPHEO S	MORPHEO S+
SCOP according to EN 17645	7,0	7,9	8,2	7,2
Classification according to EN 17645	A	A	A	A
Recommended pool size*	15-30 m ³	30-45 m ³	45-55 m ³	55-70 m ³
Air 26°C / Water 26°C / Humidity 80%				
Energy Output BOOST mode	6,5 kW	8,5 kW	10,2 kW	12,6 kW
COP BOOST mode	5,7	5,3	6,0	5,1
Energy Output SMART mode	6,5 ~ 3,6 kW	8,5 ~ 4,1kW	10,2 ~ 5,2 kW	12,6 ~ 6,9 kW
COP SMART mode	7,6 ~ 5,7	10,2 ~ 5,3	9,4 ~ 6,0	9,8 ~ 5,1
Energy Output ECO-Silence mode	3,6 kW	4,1 kW	5,2 kW	6,9 kW
COP ECO-Silence mode	7,6	10,2	9,4	9,8
Air 15°C / Water 26°C / Humidity 70%**				
Energy Output BOOST mode	5,0 kW	6,4 kW	7,7 kW	9,4 kW
COP BOOST mode	4,5	4,2	4,4	4,1
Energy Output SMART mode	5,0 ~ 2,8 kW	6,4 ~ 3,3 kW	7,7 ~ 4,2 kW	9,4 ~ 5,0 kW
COP SMART mode	6,1 ~ 4,5	6,2 ~ 4,2	6,4 ~ 4,4	6,7 ~ 4,1
Energy Output ECO-Silence mode	2,8 kW	3,3 kW	4,2 kW	5,0 kW
COP ECO-Silence mode	6,1	6,2	6,4	6,7
Air 7°C / Water 26°C / Humidity 90%				
Energy Output BOOST mode	4,2 kW	5,0 kW	6,1 kW	7,7 kW
COP BOOST mode	4,0	3,8	4,2	3,7
Noise level CTTM mini-maxi (at 10m) according to EN ISO 3741 : 2010 **	24 ~ 26 dB(A)	24 ~ 28 dB(A)	28 ~ 31 dB(A)	28 ~ 32 dB(A)
Noise level min-max (at 10m) acc. to EN ISO 3744 : 2010	21 ~ 24 dB(A)	23 ~ 26 dB(A)	24 ~ 28 dB(A)	25 ~ 30 dB(A)
Temperature working range	-3°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 mm ²)	C 10 A (3G 2,5 mm ²)	C 10 A (3G 2,5 mm ²)	C 16 A (3G 2,5 mm ²)
Power Input Max (air 26°C)	1,2 kW	1,6 kW	1,8 kW	2,5 kW
Minnum water flow	2 m ³ /h	3 m ³ /h	3 m ³ /h	4 m ³ /h
Dimensions in mm (L x l x h)	860 x 348 x 610			
Weight net (gross)	35 kg (48 kg)		44 kg (53 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

An exclusive system

INNOVATION !

The Morpheo pool heat pump features an exclusive system for quick replacement of the front panel to create a customised look.

- + **DISCRETION** : for a better integration into the garden
- + **DESIGN** : an attractive, distinctive look
- + **CUSTOMISATION** : a heat pump with a 'made-to-measure' look

The DARK ABS front panel is fitted as standard, but the optional front panel is supplied assembled:



AS STANDARD : DARK
ABS 70% recycled
matt black



OPTIONAL : WOOD
FSC wood from sustainably managed forests
Untreated - to be stained.



OPTIONAL : CRISTAL
High-gloss white metal
en option

Focus on Morpheo Up

BENEFITS

The advantages of horizontal and vertical blowing in the same model!

- + This compact machine makes it easy to fit into small gardens.
- + No need for a 3 or 4 m clearance in front of the machine
- + Thanks to its double wall, the machine is closed: no water or leaves get inside

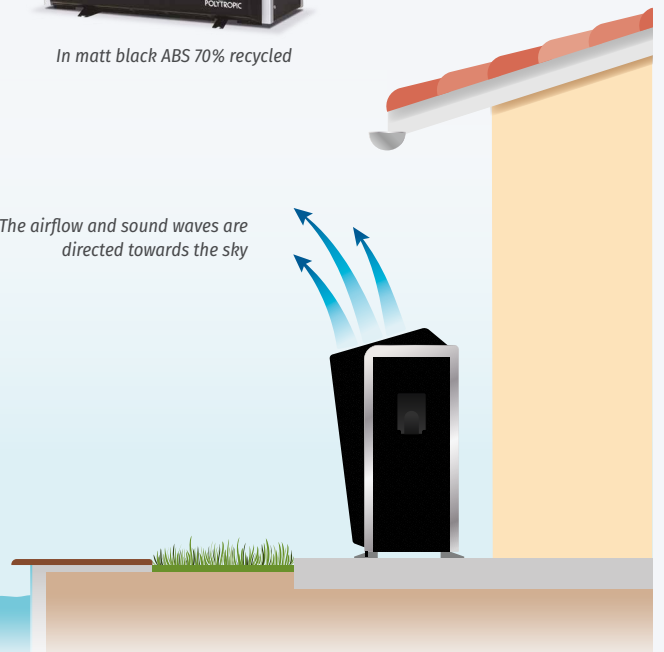


In matt black ABS 70% recycled

Rear suction and blowing from the top



The airflow and sound waves are directed towards the sky



Equipment 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 (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

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



CONNECTED SOLUTION

PolyConnect inside : wifi module and 4G key 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, 4 «Silent block» anti-vibration pads, condensate drainage kit.



LCD touch screen

INTUITIVE CONTROL

- Easy-to-read digital display
- Simple, intuitive touch adjustment
- Online video tutorial for a quick start



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 Polytronic technicians.

