



INDOOR Inverter

Hide your swimming pool heat pump!

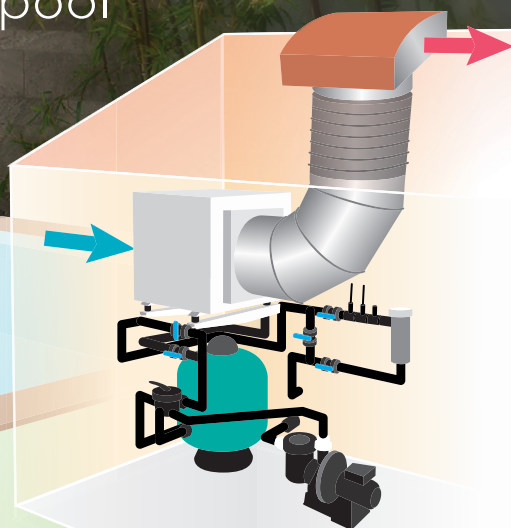


INDOOR XM Mono
& XM Tri

INDOOR S & M



video demo




POLYCONNECT2.0
INSIDE



4G
Optional



THIS DISCRETE SWIMMING POOL HEAT PUMP IS INSTALLED INSIDE THE POOL HOUSE.

A POLYTROPIC exclusivity. No more noise issues: install the Heat Pump in the pool house which will act as a noise barrier. Invisible and almost inaudible from the outside, this exclusive swimming pool Heat Pump disappears from sight.



Certified noise levels
Independent testing laboratory



Technical specifications

MODEL	Indoor S FI	Indoor M FI	Indoor XM FI Mono	Indoor XM FI Tri
SCOP acc. to EN 17645	7,3	7,2	7,2	7,2
Classification acc. to EN 17645	A	A	A	A
Recommended pool size*	45-55 m³	55-85 m³	85-105 m³	85-105 m³
Air 26°C / Water 26°C / Humidity 80%				
Energy Output BOOST Mode	10,3 kW	15,9 kW	19,8 kW	19,8 kW
BOOST Mode COP	6,4	6,3	6,2	6,2
Energy Output SMART Mode	10,3 ~ 3,7 kW	15,9 ~ 5,6 kW	19,8 ~ 6,4 kW	19,8 ~ 6,4 kW
SMART Mode COP	6,4 ~ 11,6	6,3 ~ 11,5	6,2 ~ 11	6,2 ~ 11
Energy Output ECO-Silence Mode	3,7 kW	5,6 kW	6,4 kW	6,4 kW
ECO-Silence Mode COP	11,6	11,5	11,0	11,0
Air 15°C / Water 26°C / Humidity 70%HR**				
Energy Output BOOST Mode	7,2 kW	10,6 kW	14,9 kW	14,9 kW
BOOST Mode COP	4,7	4,6	4,6	4,6
Energy Output SMART Mode	7,2 ~ 3,4 kW	10,6 ~ 3,8 kW	14,9 ~ 5,1 kW	14,9 ~ 5,1 kW
SMART Mode COP	4,7 ~ 7	4,6 ~ 6,9	4,6 ~ 6,8	4,6 ~ 6,8
Energy Output ECO-Silence Mode	3,4 kW	3,8 kW	5,1 kW	5,1 kW
ECO-Silence Mode COP	7,0	6,9	6,8	6,8
Air 7°C / Water 26°C / Humidity 90%				
Energy Output BOOST Mode	5,4 kW	8,0 kW	11,2 kW	11,2 kW
COP BOOST Mode	3,7	3,6	3,6	3,6
Air -7°C / Water 26°C / Humidity 0%				
Energy Output BOOST Mode	3,5 kW	5,2 kW	7,3 kW	7,3 kW
COP BOOST Mode	2,8	2,7	2,7	2,7
Temperature working range	-15°C -> 35°C			
Installation				
Hydraulic connections	1,5" / 50 mm			
Power	230 V / 1~+N / 50 Hz			400V / 3~+N / 50 Hz
Circuit breaker and cable size (for 20m)	C 16 A (3G 2,5 mm²)	C 20 A (3G 2,5 mm²)	C 20 A (3G 2,5 mm²)	3 P+N C 16 A (5G 2,5 mm²)
Power Input Max (air 28°C)	1,7 kW	2,7 kW	3,3 kW	3,3 kW
Minimal water flow	3 m³/h	5 m³/h	6 m³/h	6 m³/h
Dimensions in mm (L x l x h)	726 x 770 x 637		760 x 886 x 1276	
Weight (net)	62 kg (75 kg)	69 kg (82 kg)	131 kg (154 kg)	131 kg (154 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).

Features and benefits



SIMPLE AND INTUITIVE OPERATION

An intelligent LED display, developed specifically for:

- Programming and visualising the temperature
- Setting the calendar and operation periods
- 3 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.



OPTIMAL COP

An efficient electronic expansion valve which regulates the flow of refrigerant gas in accordance with the weather conditions.



EXCLUSIVE «LOW TEMPERATURE» SYSTEM

- Reverse-cycle defrosting,
- Preheating of the compressor housing,
- Antifreeze system for the evaporators condensation,
- Automatic piloting of the 'low temperature' system.



CONNECTED SOLUTION

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

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 to near full 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

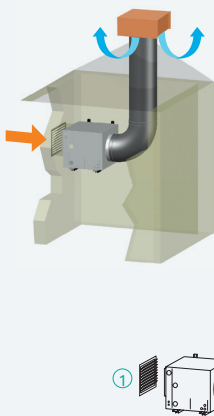


LOWER
noise levels



BETTER user
comfort

Installation accessories



INDOOR S AND INDOOR M INSTALLATION « ROOF-TOP »

Front Wall Suction / Vertical discharge and Roof-Top discharge

Ref: A00400004 (Roof-top discharge 'Tile' colour)

Kit includes:

1. Galvanized steel grid 600 x 400*
2. Galvanized steel 90° elbow Ø 450
3. Flexible duct Ø450 - 2 meters (with two mounting brackets)
4. Roof-Top exhaust hood Ø 450 'Tile' colour (with waterproofing sealing)

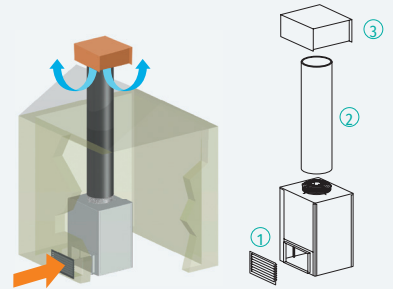
INDOOR XM INSTALLATION « ROOF-TOP »

Front Wall Suction / Vertical discharge and Roof-Top discharge

Ref.: A004000001 (Roof-top discharge 'Tile' colour)

Kit including:

1. Galvanized steel grid 600 x 300*
2. Flexible duct Ø450 - 2 meters (with two mounting brackets)
3. Roof-Top exhaust hood Ø450 'Tile' colour (with waterproofing sealing)



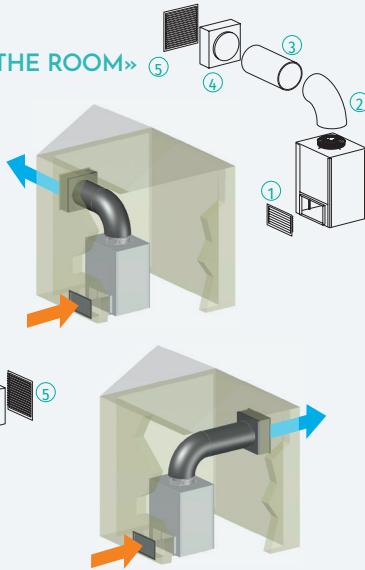
INDOOR XM INSTALLATION «SIDE-WALL OR THROUGH THE ROOM»

Front Wall Suction / Side Wall discharge or through the room discharge

(Ref.: A004000003)

Kit includes:

1. Galvanized steel grid 600 x 300*
2. Galvanized steel Elbow 90° Ø450
3. Flexible duct Ø450 - 2 m (with two mounting brackets)
4. Round Plenum box Ø450 - 600 x 600
5. Galvanized steel grill - 600 x 600*



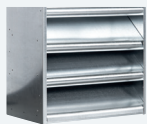
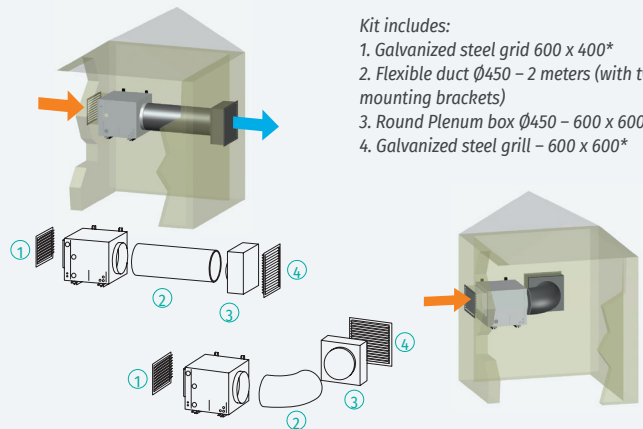
INDOOR S AND INDOOR M INSTALLATION « SIDE-WALL OR THROUGH THE ROOM »

Front Wall Suction / Side Wall discharge or through the room discharge

(Ref.: A004000007).

Kit includes:

1. Galvanized steel grid 600 x 400*
2. Flexible duct Ø450 - 2 meters (with two mounting brackets)
3. Round Plenum box Ø450 - 600 x 600
4. Galvanized steel grill - 600 x 600*



600 X 600 ANTI-NOISE ACOUSTIC GRILL

Code : A00400035

* Optional choice of the grill's RAL colour to blend in as much as possible with the pool environment: study on request.



POLYCONNECT2.0
INSIDE

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 Polytronic technicians.



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



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POLYCONNECT2.0

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