

Inverter
technology for
more comfort



Inverter Technologie

Inverter system:

The BWT myPOOL Inverter heat pump compressor runs at between 20% and 100% of its capacity depending on the operating conditions and the outdoor temperature.

The BWT myPOOL Inverter heat pump captures heat calories from the air and transfers them to your pool water.

At the beginning of the pool season, when the heating demand is high, the Inverter compressor and the fan run at high speed (around 100%). As the pool water temperature approaches the set point, the Inverter compressor reduces its heating capacity and runs at lower speeds. This operating mode generates significant energy savings.

Main advantages:

Runs at air temperatures between 0 at 35°C (depending on the relative humidity) and so prolongs your pool season. Inverter heat pumps have an average COP of 9 under the following operating conditions: Air 26°C, Water 15°C, Humidity 80%*.

Digital regulator:

The high and low pressure limiters, the flow switch, the cycle inversion defrosting system and the 5 temperature sensors are all controlled by a digital regulator to optimise protection of the heat pump and to ensure precise control of the pool water temperature.

Casing:

The BWT myPOOL Inverter heat pump casing is made of galvanised steel coated with a protective polymer. This protective, anticorrosion polymer coating is longer lasting and more efficient.

- » GMCC compressor
- » Titanium heat exchanger,
- » Magnetic flow switch, allows complete isolation of water from electricity,
- » All the copper tubes in the BWT myPOOL heat pump are silver welded. This welding technique prevents risks associated with gas leaks,

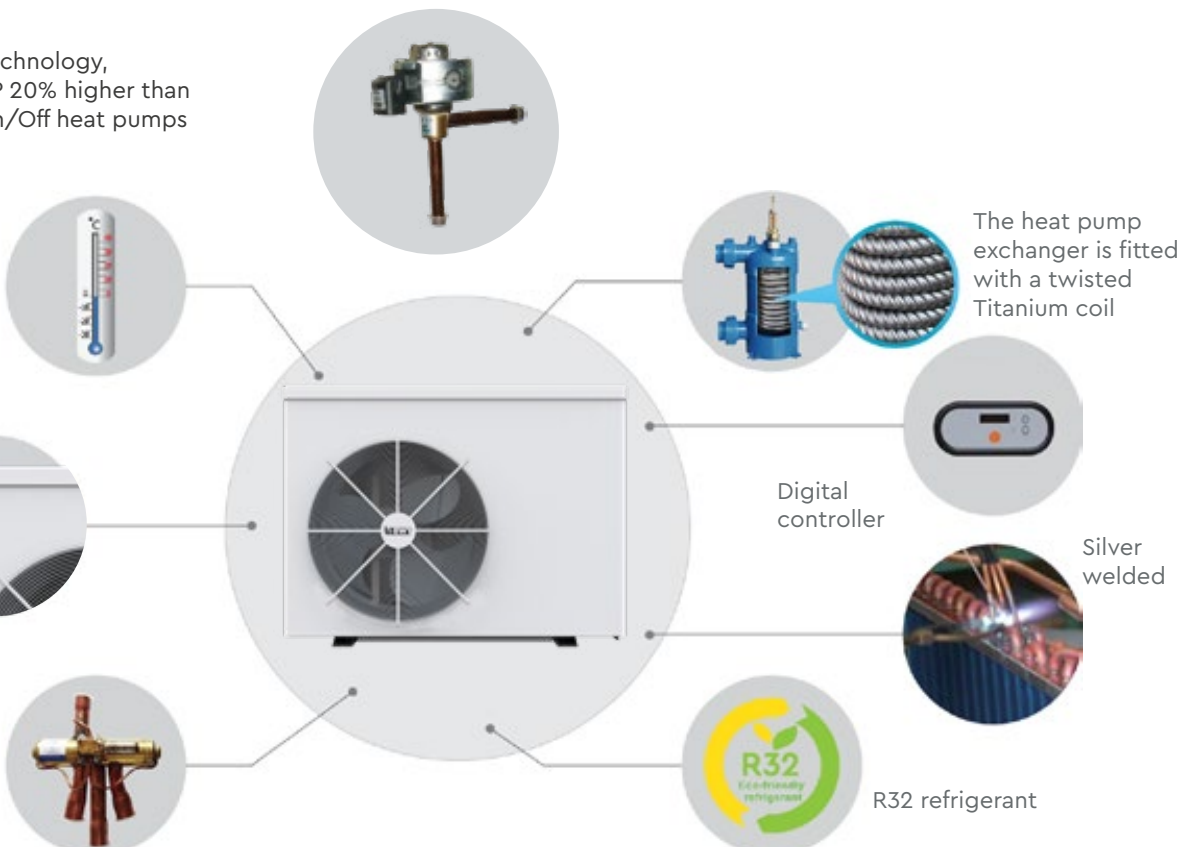
- » «Blue Fin» treated evaporator,
- » Stainless steel screws,
- » Elegant small size, small footprint,
- » Runs silently (Inverter technology),
- » Simple to install, easy to maintain.

- » HP-BOOSTER technology,
- » Results in a COP 20% higher than conventional On/Off heat pumps on the market.

Operates down to 0°

Galvanised steel cabinet

4-way valve
Defrosting by
cycle inversion





Models	MP-IPH 50	MP-IPH 62	MP-IPH 80	MP-IPH 96	MP-IPH 125	MP-IPH 165
Code	125252269	125252271	125252272	125252273	125252274	125252275
Recommended pool volume (m ³)	10~24	14~28	20~35	20~40	30~55	35~70
Operating temperature ranges (°C)	0~43					
OPERATING CONDITIONS: AIR 26°C, WATER 26°C, HUMIDITY 80%*						
Heating capacity (kW)	5,0	6,2	8,0	9,6	12,5	16,5
C.O.P.	9.4~5.8	9.5~5.9	9.1~5.6	9.5~5.7	10.5~5.9	10.0~5.7
OPERATING CONDITIONS: AIR 15°C, WATER 26°C, HUMIDITY 70%*						
Heating capacity (kW)	4,0	4,8	6,0	7,3	9,0	12,0
C.O.P.	5.9~4.3	5.9~4.4	5.9~4.1	6.0~4.3	5.9~4.2	6.0~4.2
Rated power (kW)	0.29~0.83	0.29~1.0	0.34~1.4	0.35~1.7	0.36~2.1	0.57~2.7
Refrigerant	R32					
Rated current (A)	1.87~3.78	1.26~4.74	1.48~6.0	1.52~7.39	1.57~8.7	2.48~11.7
Power supply	230 V / 1ph / 50 Hz					
Recommended water flow rate (m ³ /h)	2~4	2~4	2~4	3~4	4~6	6~8
Acoustic pressure at 1m dB(A)	38.5~50.1	38.8~50.2	40.8~51.1	40.6~52.5	42.9~53.0	45.2~56.3
Acoustic pressure at 10m dB(A)	18.5~30.1	18.8~30.2	20.8~31.1	20.6~32.5	22.9~33.0	25.2~36.3
Heat exchanger	Titanium spiral tube in PVC					
Casing	Plastic coated metallic casing					
Hydraulic connections (mm)	50					
Net weight / Gross weight (Kg)	42	42	46	47	49	60
Dimensions – LxWxH (mm)	744x359x648	744x359x648	864x359x648	864x359x648	864x359x648	954x359x648

* Data is valid under the following conditions: Pool covered with an isothermal cover at night. Filtration running 15 hours a day during the heating season: from May 1st to September 15th in Northern Europe. If operating under different conditions, please choose a more powerful model.



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