



Front Discharge PEARL BWT HEATER



CONVENIENCE, RELIABILITY, INNOVATION

Dive into the future of pool heating with the BWT HPF Pearl inverter Front Discharge pool heat pump. Offering unparalleled efficiency and the convenience of smartphone control through BWT Connect, this heat pump ensures your pool remains at the perfect temperature year-round. Its sleek design and quiet operation integrate seamlessly into your backyard, transforming it into a tranquil oasis. With the BWT HPF Pearl, experience the epitome of swimming comfort, energy savings, and effortless pool management.



Smart Temperature Regulation

The Pearl Inverter Heat Pump features an intelligent system that continuously adjusts to water and air temperatures, ensuring efficient heating and low noise levels.



Remote Connectivity

BWT Connect technology allows for remote management and proactive maintenance, giving you total control and efficient operation at your fingertips.



Whisper-Quiet Operation

Our advanced technology secures the quietest operation, minimizing disruption and maintaining a peaceful environment.



Long-Term Warranty

Enjoy a worry-free operation with a 25-year warranty on the heat exchanger, promising enduring performance and peace of mind.



Eco-Friendly Refrigerant

Utilise the R32 refrigerant for environmentally conscious heating, with a lower global warming potential without sacrificing performance.



Tailored for Australian Weather

Specifically engineered to handle Australia's unique climate, providing reliable heating and cooling all year round.

Product Overview



Colour Touchscreen Interface

Elevate your experience with a large colour touchscreen.

At 10.5 cm diagonal, it's designed for clear visibility and responsive interaction.

Durably constructed with thermal toughened glass and a protective cover, it withstands weather, dust, and wear for reliable, long-term use.

Warranty

- ✓ 5 year warranty on all parts
- ✓ 10 year warranty on compressor
- ✓ 25 year warranty on titanium heat exchanger



Access the 3 intuitive operating modes in a single touch



Alarm messages, diagnostics and problem resolutions, hotline contact.



Access to the last 50 log-book events.



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Total control with Phone App

BWT connect is a secure, free and easy to use mobile application.



BWT Smart Control = Energy Savings

The Pearl Inverter heat pump, featuring an advanced intelligent system, optimizes its performance by adjusting output based on water and outside air temperatures, ensuring superior heating efficiency with the best energy efficiency and minimal noise.

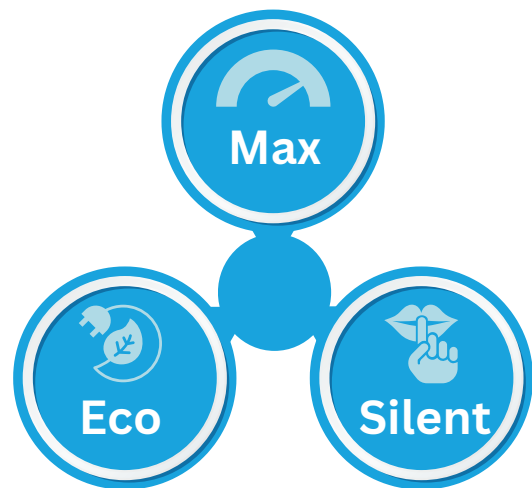
The BWT Inverter heat pumps offer three distinct operating modes to cater to different needs:

'Max' mode operates at 85% to 100% capacity for rapid pool heating,

'Eco' mode dynamically adjusts capacity and noise based on ambient and water temperatures for efficiency and

'Silent' mode runs at 25% to 60% capacity with reduced fan speed to minimize noise while prioritizing energy savings.

This adaptability allows the Pearl to automatically tailor its capacity to meet your pool's heating requirements efficiently.



3 Operating Modes



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FRONT DISCHARGE		HPF 10	HPF 13	HPF 16	HPF 20	HPF 24	HPF 27
Recommended pool size (Nov to March with a cover)		45-55 m ³	55-70 m ³	³ 70-85 m ³	85-105 m ³	105-130 m ³	130-160 m ³
Performance							
Capacity in MAX mode	Air 26° Water 26° 80% HR	10.6 kW	13.1 kW	16.1 kW	20.4 kW	24.2 kW	27.8 kW
COP MAX mode		5.4	5.6	5.1	5.2	5.4	5.2
Capacity in ECO mode		10.6 ~ 3.9 kW	13.1 ~ 4.2 kW	16.1 ~ 5.5 kW	20.4 ~ 6.5 kW	W 24.2 ~ 7.8 kW	27.8 ~ 10.5 kW
COP ECO mode		10.8 ~ 5.4	11.2 ~ 5.6	10.8 ~ 5.1	10.1 ~ 5.2	10.8 ~ 5.4	10.1 ~ 5.2
Capacity in SILENT mode		3.9 kW	4.2 kW	5.5 kW	6.5 kW	7.8 kW	10.5 kW
COP SILENT mode		10.8	11.2	10.8	10.1	10.8	10.1
Capacity in MAX mode	Air 15° Water 26° 70% HR	7.8 kW	9.8 kW	11.5 Kw	14.8 kW	18.2 kW	22.8 kW
COP MAX mode		5.2	4.7	4.4	4.5	4.4	4.2
Capacity in ECO mode		7.8 ~ 3.5 kW	9.8 ~ 3.7 kW	11.5 ~ 4.2 kW	14.8 ~ 4.9 kW	18.2 ~ 6.8 kW	22.8 ~ 8.1 kW
COP ECO mode		7.1 ~ 5.2	7.0 ~ 4.7	6.7 ~ 4.4	6.6 ~ 4.5	6.7 ~ 4.4	6.5 ~ 4.2
Capacity in SILENT mode		3.5 kW	3.7 kW	4.2 kW	4.9 kW	6.8 kW	8.1 kW
COP SILENT		7.1	7.0	6.7	6.6	6.7	6.5
Noise level in minio-maxi (at 10m) according to EN ISO 3744:2010		23 ~ 26 dB(a)	23 ~ 28 dB(a)	25 ~ 30 dB(a)	25 ~ 30 dB(a)	26 ~ 31 dB(a)	26 ~ 32 dB(a)
Operating temperature		15°C -> 38°C					
Components							
Compressor type		2D Technology Full DC					
Expansion valve		Electronic					
Heat Exchanger		Optimal Twist					
Casing		ABS treated against UV					
Refrigerant		R32					
Installation							
Water connection		1.5" / 40 mm					
Power		230V / 1~+N / 50 Hz					
Nominal current (Maximum Current)		6.4 A (8.8 A)	8.3 A (12 A)	11.5 A (15.3 A)	14.3 A (16 A)	23.0 A (25.0 A)	28.0 A (30.0 A)
Protection and cable size (20m)		C 10 A (3G2.5 mm ²)	C 16 A (3G2.5 mm ²)	C 20 A (3G4 mm ²)	C 20 A (3G4 mm ²)	C25 A (3G4 mm ²)	C 32 A (3G4mm ²)
Max power input (Air 26°)		2.0 kW	2.3 kW	3.2 kW	3.9 kW	4.5 kW	5.3 kW
Cooling Capacity		8.6 kW	10.8 kW	13.0 kW	16.5 kW	19.7 kW	22.5 kW
Water flow		3 m ³ /h	4 m ³ /h	5 m ³ /h	6 m ³ /h	8 m ³ /h	10 m ³ /h
Water pressure drop		64 kPa			66 kPa	77 kPa	
Dimensions (L x W x H)		980 x 419 x 584 mm		1080 x 479 x 707 mm		1178 x 525 x 569 mm	
Weight net (gross)		46 kg (58 kg)	48 kg (59 kg)	62 kg (72 kg)	63 kg (80 kg)	93 kg (111 kg)	94 kg (111 kg)



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