



TOP DISCHARGE INVERTER HEAT PUMPS

- ✓ New Inverter Technology to reduce heating times and save on running costs
- ✓ Extend your swimming season or swim all year round
- ✓ Environmentally Friendly Pool Heating
- ✓ Compact vertical installation design
- ✓ Low operating costs & noise levels
- ✓ Optional remote control app



TOP DISCHARGE INVERTER HEAT PUMPS



ENVIRONMENTALLY FRIENDLY

AstralPool Heat Pumps are an environmentally friendly option to heat your pool. Operating on a similar principal to your refrigerator or air conditioner, Heat Pumps use environmentally friendly refrigerant gas that extracts the latent heat from the air and transfers this heat into the pool water.

A nearly silent compressor moves the refrigerant gas through a coil (called evaporator) through which air is forced and collects heat from the surrounding atmosphere. The now superheated refrigerant gas then passes through a titanium heat exchanger (called a condenser) which transfers the heat into the pool water and the cycle starts again.

So in fact, the power used by the heat pump does not create any heat, it is simply used to compress and move the refrigerant gas through the evaporator and condenser to collect and transfer heat from the atmosphere into your pool water.

For every 1 kW of electricity consumed, AstralPool Heat Pumps will collect up to 13 kW of heat from the atmosphere. Sunshine is not necessary and your Heat Pump will continue to heat your pool in air temperatures as low as 7 degrees. So even if the nights are cold, or the days leading up to the weekend are cool, your AstralPool Heat Pump can heat and maintain your pool water temperature at a comfortable swimming temperature.



SUITED FOR YOUR LIFESTYLE

AstralPool has a wide selection of heat pumps to suit virtually any size swimming pool, from small residential pools to large public pools. When choosing your heat pump, AstralPool recommend you assess your lifestyle and determine when you want to use your pool.

If you wish to swim during the summer and shoulder season only, a small heat pump can be installed, saving on up front costs and ongoing operating costs. However, for all year round swimming, we have the right heat pump too, to ensure you can use your pool at any time of the year.



FEATURES

AstralPool Heat Pumps are designed for long life and incorporate the following features:

- Unlike many other heat pumps, the corrosion proof titanium heat exchanger is enclosed in a purpose designed and fully injection moulded housing for maximum strength and long life.
- The fully moulded plastic Heat Pump case is impervious to corrosion and guarantees maximum life regardless of location, "seaside" tropical north or outback.
- The high quality commercial digital thermostat ensures the pool water temperature is accurate.



INVERTER TECHNOLOGY

Inverter technology enables the swimming pool Heat Pump achieve a higher COP. Working similar to a variable speed pump, as the heat pump approaches the desired temperature the unit will automatically slow down. This will reduce energy usage by maintaining the water temperature at a slower speed.



LOW NOISE

The Inverter technology also reduces the noise due to a unique internal ventilation design, the addition of silent mode allows you to operate at anytime without disturbing the neighbours.



LESS INSTALLATION SPACE

With the innovative vertical exhaust design, the top discharge inverter heat pump can be installed next to virtually any pool in tight spaces.



OPTIONAL WORLD WIDE REMOTE CONTROL

Monitor and set your pool's temperature even if you're away on a business trip or holiday through your home's WiFi, with the optional WiFi module (sold separately). With the AstralPool Inverter App available for both iOS or Android smart devices, your pool temperature will always be right at your fingertips wherever you are!



HOW TO SELECT THE BEST HEAT PUMP FOR YOUR NEEDS

1. Determine how you wish to use your pool: take the chill off the water during spring, summer and autumn, luxuriate in warm relaxing water for most of the year, or swim all year round regardless of the weather conditions.
2. Determine the size of your pool, average length and width and the average depth.
3. Once you understand your preferred use of your pool, go to astralpool.com.au and use the Heat Pump sizing guide to select the model AstralPool Heat Pump to suit your pool and lifestyle. Alternatively, call your AstralPool dealer or local office for advice on the heat pump that suits you.

TECHNICAL INFORMATION

Test Conditions: Air Temp: 27 °C, Water Temp 26 °C, RH 80%

Model	iHPt127	iHPt168	iHPt246
Product Code	78560	78561	78562
Input Power	0.22-2.2 kW	0.31-2.98	0.47~4.94
Heating Capacity	2.8-12.7 kW	3.9-16.8	5.9~24.6
at efficiency of (COP)	5.77-12.73	5.64-12.58	4.98-12.55
Power	15A Plug	Single	Single
Voltage/Phases/Frequency	230V/1P/50Hz	230V/1P/50Hz	230V/1P/50Hz
Running Current (Amp)	0.9-9.6	1.53-12.9	2-21.47
Noise Level dB(A)	41-54	42-56	48-58
Pipe Size Connection (mm)	50	50	50
Recommend Water Flow (lpm)	70	90	143
Water Pressure Loss (kPa)	3	4	11
Dimension (L x W x H)	723x835x865	723x835x865	770x990x970



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