



# ASTRALPOOL 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
- ✓ Simple and Easy installation
- ✓ Low Operating Costs



# ASTRALPOOL 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.

## 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.

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.

## 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.
- The HP88 and HP126 models incorporate a 10 and 15 amp plug for power correction. While larger models must be hard wired by a qualified technician.

## SELECTION

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](http://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

Model	HP88	HP126	iHP120	iHP170	iHP195	iHP242	iHP283
Input Power	1.5 kW	2.2 kW	2.1 kW	3.0 kW	3.9 kW	4.8 kW	5.57 kW
Heating Capacity	8.8 kW	12.6 kW	12.0 kW	17.0 kW	19.5 kW	24.2 kW	28.3 kW
at efficiency of	570%	570%	570%	570%	500%	500%	500%
Power	10A Plug	15A Plug	15A Plug	Single	Single	Single	Triple
Voltage/Phases/Frequency	240/1/50	240/1/50	240/1/50	240/1/50	240/1/50	240/1/50	400/3/50
Running Current (Amp)	7.0	9.6	0.9-9.2	1.3-13.1	1.6-17.1	2.0-20.9	1.67-9.2
Noise Level dB(A)	51	54	52	53	56	57	58
Water Connection (mm)	50	50	50	50	50	50	50
Recommend Water Flow (lpm)	50	75	70	90	110	143	167
Water Pressure Loss (kPa)	6	10	4.5	5	6	11	15
Dimension (L x W x H)	956x372x600	956x372x600	950x400x620	1110x480x870	1110x480x870	1110x480x1220	1110x480x1220

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



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