

# ASTRALPOOL HEAT PUMP CATALOGUE

SUMMER POOL FUN, ALL YEAR ROUND



**Flexibility:** Extend your swimming season and swim all year round



**Environmentally Friendly:** Lower operating costs and noise levels



**Inverter Technology:** Reduce heating times and save on running costs



**HeatPumpGO:** Wireless Wi-Fi control with your smartphone



HEATPUMPGO  
SMART APP CONTROL



Lower  
Environmental  
Impact



## WHAT ARE THE BENEFITS OF HEAT PUMPS?

Heat pumps absorb 80% of the heat in the air to help heat the pool: that means free heating!

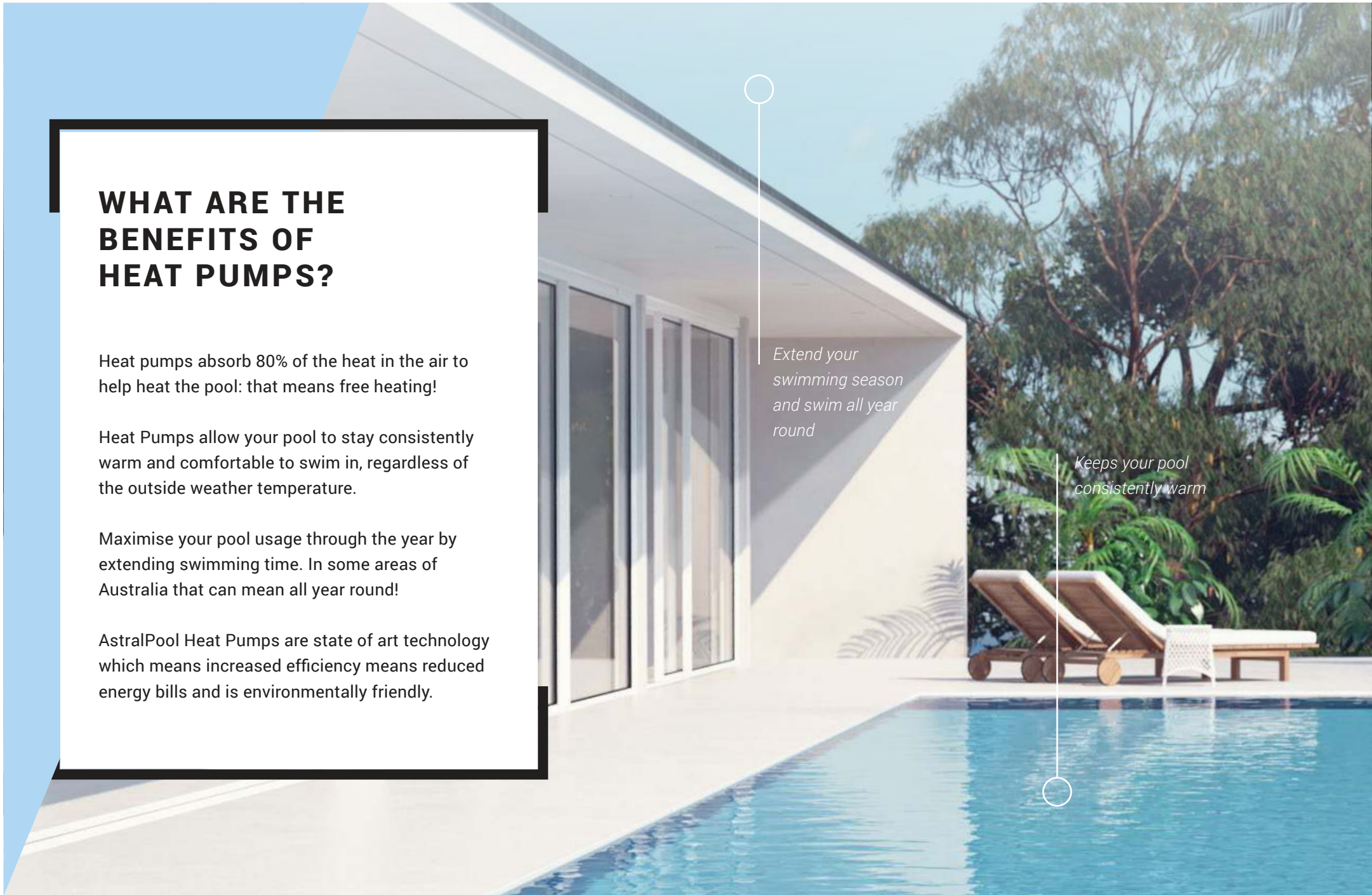
Heat Pumps allow your pool to stay consistently warm and comfortable to swim in, regardless of the outside weather temperature.

Maximise your pool usage through the year by extending swimming time. In some areas of Australia that can mean all year round!

AstralPool Heat Pumps are state of art technology which means increased efficiency means reduced energy bills and is environmentally friendly.

*Extend your swimming season and swim all year round*

*Keeps your pool consistently warm*





## HOW INVERTER TECHNOLOGY MAXIMISES THE BENEFITS OF HEAT PUMPS

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### INVERTER TECHNOLOGY

AstralPool's range of Inverter technology heat pumps uses up to 15-30% less power consumption when compared to a non-inverter heat pump.

### SILENT MODE

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.

### TOP DISCHARGE OPTION

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



### LCD SCREEN

Easy intuitive control of settings.

### WIFI CONTROL

The Viron range and Top Discharge heat pumps come included with WiFi. Also available as an optional add on for all other models.



# MAKE SWIMMING A PLEASURE

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## ENVIRONMENTALLY FRIENDLY

AstralPool Heat Pumps are an environmentally friendly option to heat your pool. Operating on a similar principle 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.

## BUILT FOR AUSTRALIAN ENVIRONMENTS

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.

## QUIET COMPRESSOR

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.

## ENERGY EFFICIENT

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.

## SIZING OPTIONS

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.

# R32 GAS HEAT PUMPS

## LOWER ENVIRONMENTAL IMPACT

R32 heat pump systems use up to 20% less refrigerant than R410A equivalents, making the Heat Pumps more efficient, which means lower carbon emissions and lower energy costs.

R32 offers higher efficiency and longer pipe runs and requires less refrigerant volume per Kw. This means quicker heating times and less energy used to heat up your pool.

## THE KEY THINGS YOU NEED TO KNOW ABOUT R32:

Reduced electricity  
consumption  
by 10%

Save energy and  
speed up heating  
time



Efficiently  
carries heat

Lower environmental  
impact

*\* R32 Refrigerant only available for ECO and Viron range models*

# HEATPUMPGO

## WIFI CONTROL ON THE GO

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 HeatPumpGO app (available for Android and iOS devices), your pool temperature will always be right at your fingertips wherever you are!



HEATPUMPGO  
SMART APP CONTROL

*\* Wifi capability included in Viron Inverter and Top Discharge Heat Pump range. Available as an optional add-on ECO models.*

# HOW TO SELECT THE BEST HEAT PUMP FOR YOUR NEEDS

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## STEP 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.

## STEP 2

Determine the size of your pool, average length and width and the average depth.

## STEP 3

Once you understand your preferred use of your pool, go to [astralpool.com.au/heatpump](http://astralpool.com.au/heatpump) and use the Heat Pump sizing guide to select the model AstralPool Heat Pump to suit your pool and lifestyle. Alternatively, visit your local AstralPool dealer for expert advice on the heat pump that suits you.



## ECO INVERTER

Model	ECO iHP70	ECO iHP90	ECO iHP120
Product Code	78566	78567	78568
Input Power	0.14-1.51	0.19-1.82	0.24-2.37
Heating Capacity (Kw)	1.4~6.8	1.9~ 8	2.4~10.9
COP	10.0-4.5	10.0-4.4	10.0-4.6
Refrigerant Type	R32	R32	R32
Running Current (Amp)	0.5-5.6	0.5-6.0	0.7-8.3
Voltage/Phases/Frequency	230V/50Hz	230V/50Hz	230V/50Hz
Power	10A Cable with plug	10A Cable with plug	15A Cable with plug
Sound Pressure 1M Db(A)	38-50	39-51	42-53
Water Connection (mm)	40	40	40
Water Flow Volume (l/m)	40.00	53.33	68.33
Water Pressure Drop (Max) Kpa	2	3	4
Wifi Module Included	No	No	No
Viron Connect Compatible	No	No	No
HeatpumpGO App Compatible	Yes	Yes	Yes
Net Dimensions L/W/H mm	1003x403x603	1003x403x603	1003x403x603



## Viron INVERTER

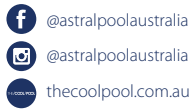
## TOP DISCHARGE

Viron iHP90	Viron iHP120	Viron iHP170	Viron iHP195	Viron iHP242	Viron iHP283	iHPT127	iHPT168	iHPT247
78572	78573	78574	78575	78576	78577	78560	78561	78562
0.16~1.6	0.21~2.12	0.3~3.02	0.37~3.94	0.46~4.8	0.54~5.57	0.23~2.12	0.31~3.05	0.47~4.94
2.15~9	2.85~12	3.77~17	4.6~19.5	5.7~24.2	6.7~28.3	2.8~12	3.9~17.1	5.9~24.6
13.44~5.63	13.57~5.66	12.57~5.63	12.43~4.95	12.39~5.04	12.41~5.08	5.66~12.17	5.61~12.58	4.98~12.55
R32	R32	R32	R32	R32	R32	R410A	R410A	R410A
0.69-6.9	0.9-9.2	1.3-13.1	1.6-17.1	2.0-20.8	1.1-9.3	0.9-9.6	1.53-12.9	2-21.47
220-240V~/1Ph	220-240V~/1Ph	220-240V~/1Ph	220-240V~/1Ph	220-240V~/1Ph	380-415V/3Ph	230V/1P/50Hz	230V/1P/50Hz	230V/1P/50Hz
10A Cable with plug	15A Cable with plug	Single Phase	Single Phase	Single Phase	Triple Phase	15A Plug	Single	Single
40-50	42-52	44-53	45-56	46-57	48-58	44-54	46-56	50-60
40	40	40	40	40	40	40	40	40
53.33	70.00	88.33	111.00	143.33	166.67	70.00	91.67	138.33
4	4.5	5	6	11	15	4.5	4.5	6
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
950×400×620	950×400×620	1110×480×870	1110×480×870	1110×480×1220	1110×480×1220	723×835×865	723×835×865	770×990×970

Performance Conditions: Outdoor Air Temp: 27°C / 24.3 - Inlet Water Temp: 26°C



[www.astralpool.com.au](http://www.astralpool.com.au)  
[www.astralpool.co.nz](http://www.astralpool.co.nz)



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**FLUIDRA**

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