



# HEAT PUMP INVERTER RANGE

SUMMER POOL FUN, ALL YEAR ROUND




Extend your swimming season and swim all year round

Lower operating costs and noise levels

Reduce heating times and save on running costs

Wireless Wi-Fi control with your smartphone

R32 Refrigerant\* - Lower environmental impact

-  ENVIRONMENTALLY FRIENDLY
-  INVERTER TECHNOLOGY
-  AQUA TEMP APP CONTROL



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

## WHAT ARE THE BENEFITS OF HEAT PUMPS?

Heat pumps absorb 80% of the heat from the air to heat your pool making it an easy to use and energy efficient heating option.

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 use state of the art technology which means increased efficiency and reduced energy bills while also being 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

## 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.

## POWDER COATED STEEL

Long lasting coated steel cabinet for durability.

## SILENT MODE

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

## 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.

## LCD SCREEN

Easy intuitive control of settings.

## AUTOMATION

Easy installation to most Automation systems.

## QUALITY COMPONENTS

High quality internal components including a Mitsubishi compressor.



# 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.

## 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.

## 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.

## 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 recommends that 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, installing a small heat pump can save on upfront 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.

## WARRANTY

For product warranty registration & information on warranty details.

For AU visit: [www.astralpool.com.au/warranty](http://www.astralpool.com.au/warranty)

For NZ visit: [www.astralpool.co.nz/warranty](http://www.astralpool.co.nz/warranty)

# R32 GAS HEAT PUMPS

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## 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



## AQUA TEMP

### WIFI CONTROL ON THE GO

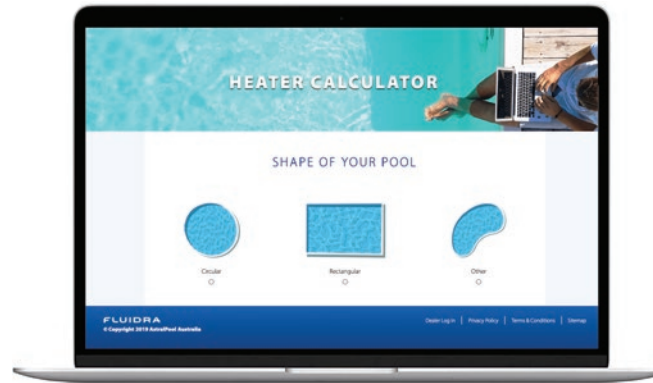
Monitor and set your pool's temperature even if you're away on a business trip or holiday through your home's WiFi. With the Aqua Temp app (available for Android and iOS devices), your pool temperature will always be right at your fingertips wherever you are!



Aqua Temp



\* 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

Try the AstralPool "Heat Pump Calculator" on our website at [www.astralpool.com.au/support/heat-pump-calculator](http://www.astralpool.com.au/support/heat-pump-calculator) (or [www.astralpool.co.nz/support/heat-pump-calculator](http://www.astralpool.co.nz/support/heat-pump-calculator) for New Zealand customers) and with three simple steps select a suitable Heat pump option available specific to your pool and lifestyle.

**Step 1** Select your pool shape and Size

**Step 2** Select your pool location to get an average temperature

**Step 3** Select your desired water temperature

Along with the "AstralPool Heat Pump calculator", use the Heat Pump sizing guide to select the model of 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 8kW	ECO 12 kW	ECO 18 kW	
Product Code	78567	78668	78596	
Operating air temperature (deg.C)	-7°C ~ 43°C			
Refrigerant	R32			
<b>Performance Data</b>				
Air 27°C / Water 26°C / Humidity 80%	Heating Capacity (kW)	2.23-9.32	1.97-11.0	3.50-18.15
	COP	14.5-6.23	14.4-6.3	14.2-6.4
Air 15°C / Water 26°C / Humidity 70%	Heating Capacity (kW)	1.58-7.24	1.79-8.40	2.55-13.8
	COP	6.94-4.9	7.03-5.07	7.1-5.12
Air 35°C / Water 29°C / Humidity 70%	Cooling Capacity (kW)	1.37-4.31	1.42-4.40	3.80-8.13
	COP	3.29-3.04	3.20-2.99	3.07-2.76
<b>Technical Data</b>				
Power Supply	220-240V / 50Hz			
Airflow (m2/hr)	1600-2700	1800-3000	2500-4500	
Running Max current (A)	7.6	7.9	15.9	
Heating Current at (air 27°C/24.3°C; inlet water 26°C) (A)	6.55	8.35	13.84	
Fan Quantity	1	1	1	
Fan speed (rpm)	500-800	600-800	450-750	
Sound Pressure 1m dBA	41.2-48.2	41.3-52.0	42.6-53.3	
Sound Pressure 10m dBA	21.3-31.5	23.9-30.9	25.9-36.6	
Water Connections (mm)	40			
Water Flow Volume (m3/hr)	3.8	4.9	6	
Minimum water Flow volume (m3/hr)	2.5	3	3.5	
Water pressure drop (max) (kPa)	3	4	5	
Net Dimensions L/W/H (mm)	1000 x 418 x 605	1000 x 418 x 605	1161 x 490 x 861	
Package dimensions (mm)	1030 x 435 x 615	1030 x 435 x 615	1210 x 510 x 880	
Net weight (kg)	45	46	70	
Gross weight (kg)	54	58	85	



## Viron INVERTER

Model	VIRON iHPs90	VIRON iHPs120	VIRON iHPs170	
Product Code	WH000618	WH000619	WH000620	
Operating air temperature (deg.C)	-7°C ~ 43°C			
Refrigerant	R32			
<b>Performance Data</b>				
Air 27°C / Water 26°C / Humidity 80%	Heating Capacity (kW)	1.83-8.31	2.3-11	2.8-16.1
	COP	14-5.39	14.2-5.5	14.5-5.6
Air 15°C / Water 26°C / Humidity 70%	Heating Capacity (kW)	1.49-6.82	1.82-8.00	2.3-12.76
	COP	6.21-4.23	7.0-4.10	6.76-4.26
Air 35°C / Water 29°C / Humidity 70%	Cooling Capacity (kW)	1.92-3.5	2.06-3.65	2.50-4.54
<b>Technical Data</b>				
Power Supply	220-240V / 50Hz			
Power Phase	Single phase			
Rated current (A)	9.5	10.3	14	
Sound Pressure 1m dBA	32.2-47.8	32.2-48.2	40.8-52.4	
Sound Pressure 10m dBA	30.7-36.3	30.7-36.7	23.9-35.5	
Water Connections (mm)	40			
Water Flow Volume (m3/hr)	3.7	4.6	6.6	
Net Dimensions L/W/H (mm)	1000 x 430 x 625	1000 x 430 x 625	1020 x 480 x 768	
Net weight (kg)	56	57	76	
Compressor Brand	Mitsubishi			

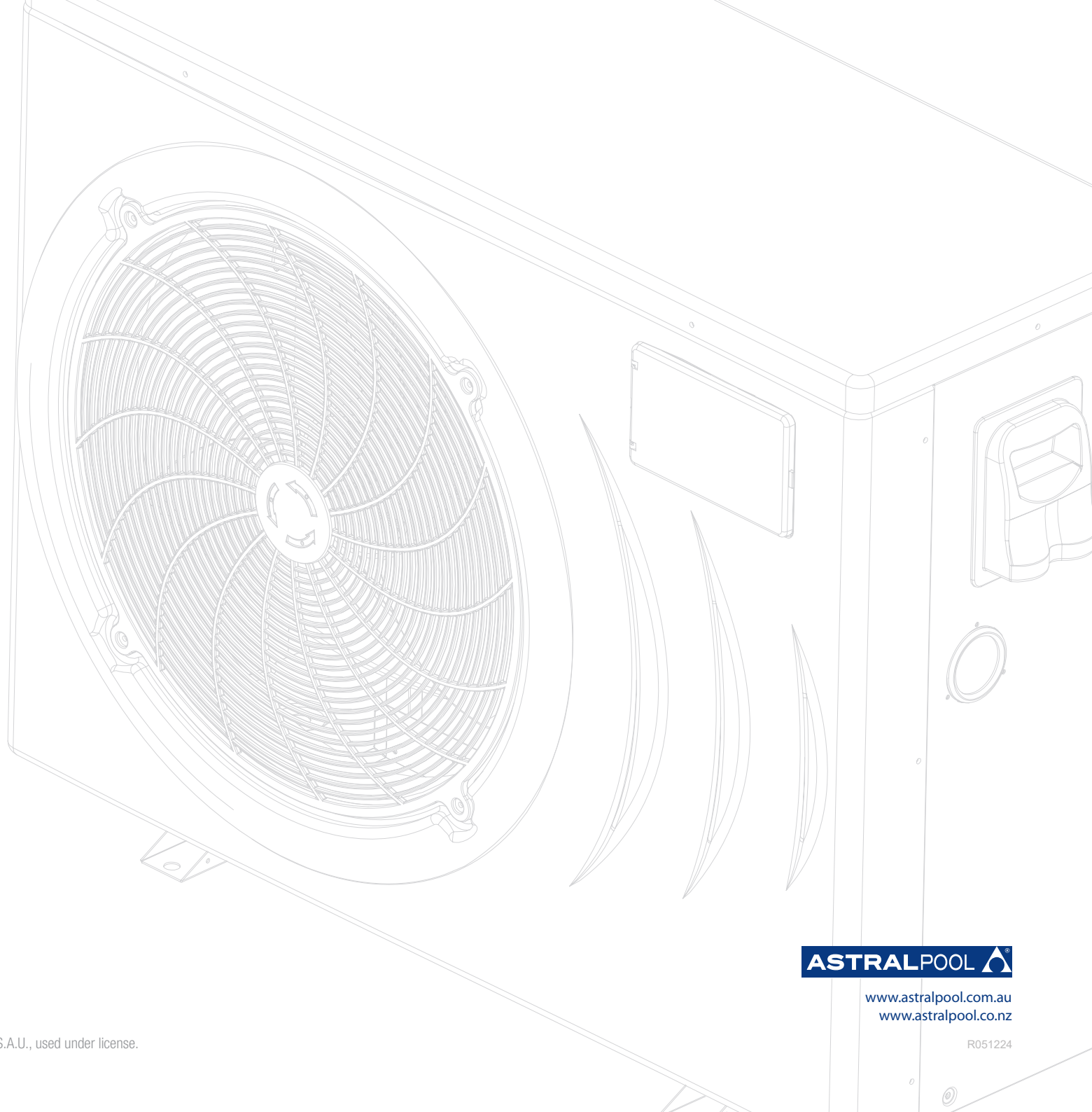


## Viron INVERTER

Model	Viron iHP90	Viron iHP120	Viron iHP170	Viron iHP195	Viron iHP242	Viron iHP283	
Product Code	78572	78573	78574	78575	78576	78577	
Operating air temperature (deg.C)	(-15°C-43°C)						
Refrigerant	R32						
<b>Performance Data</b>							
Air 27°C / Water 26°C / Humidity 80%	Heating Capacity (kW)	1.7-9	2.2-12	2.8-17	3.3-19.5	4.5-24.2	5.2-28.3
	COP	15.1-5.63	15.3-5.66	15.7-5.63	16.1-4.95	16-5.04	16.3-5.08
Air 15°C / Water 26°C / Humidity 70%	Heating Capacity (kW)	1.75-7.4	2.25-9.7	2.92-12.4	3.84-15.4	4.68-19.9	5.46-23.3
	COP	7-4.63	7.03-4.66	6.64-4.34	6.4-4.04	6.5-4.2	6.58-4.24
Air 35°C / Water 29°C / Humidity 70%	Cooling Capacity (kW)	4.28	4.6	7.65	8.62	8.88	13.35
<b>Technical Data</b>							
Power Supply	220-240V / 50Hz					380V~ / 50Hz	
Power Phase	Single phase					3 phase	
Rated Input power (kW)	2.15	2.555	3.312	4.29	5.96	6.87	
Rated current (A)	9.33	13.5	14.4	18.72	24.09	11.68	
Sound Pressure 1m dBA	40-50	42-52	44-53	45-56	46-57	48-58	
Sound Pressure 10m dBA	30.67	32.57	35.49	35.59	40.59	41.59	
Water Connections (mm)	40						
Water Flow Volume (m3/hr)	54	70	89	110	144	167	
Net Dimensions L/W/H (mm)	950×400×620	950×400×620	1110×480×870	1110×480×870	1165×470×1275	1165×470×1275	
Net weight (kg)	52	58	69	90	90	120	
Compressor Brand	Mitsubishi						

## TOP DISCHARGE

Model	iHPT127	iHPT168	iHPT247	
Product Code	78560	78561	78562	
Operating air temperature (deg.C)	-15°C-43°C			
Refrigerant	R410a			
<b>Performance Data</b>				
Air 27°C / Water 26°C / Humidity 80%	Heating Capacity (kW)	2.8-12.7	3.9-16.8	5.9-24.6
	COP	5.77-12.73	12.58-5.64	12.55-4.98
Air 15°C / Water 26°C / Humidity 70%	Heating Capacity (kW)	2.7-10.0	2.7-11.5	4.4-18.1
	COP	6.2-5.0	6.8-5.0	7.0-4.8
Air 35°C / Water 29°C / Humidity 70%	Cooling Capacity (kW)	6.2	6.49	10
<b>Technical Data</b>				
Power Supply	220-240 V / 50 Hz - 1 phase			
Fan Quantity	1	1	1	
Fan speed (rpm)	500-750	500-750	600-800	
Sound Pressure 1m dBA	44-54	46-56	50-60	
Sound Pressure 10m dBA	24-34	26-36	30-40	
Water Connections (mm)	40			
Water Flow Volume (m3/hr)	4.2	5.5	8.3	
Water pressure drop (max) (kPa)	4.5	4.5	6	
Net Dimensions L/W/H (mm)	723 x 835 x 865	723 x 835 x 865	770 x 990 x 970	
Net weight (kg)	63	86	93	
Compressor Brand	Mitsubishi			



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