

POOL & SPA HEATERS



THE EFFICIENT WAY
TO HEAT YOUR POOL



**Supreme
Heating**

Our Innovation. Your Lifestyle.



Pool & Spa Heaters



ABOUT SUPREME HEATING

Established in 1990, Supreme Heating is a proud Australian owned company specialising in sustainable solutions for pool heating, hot water and solar electrical applications.

Supreme Heating has designed and installed pool heating systems across Australia, from residential pools to commercial pools, and have earned a reputation for being one of the most trusted pool heating companies in Australia.

Our team is committed to helping you take control of your rising energy costs, at the same time choosing a solution to maximise efficiencies and comfort levels. We achieve this by delivering innovative, renewable and sustainable solutions with quality products.

Our National Support Office and showroom in Bundoora, Victoria is home to our Research and Development team and sophisticated test facility. We have sales and support offices nationwide, and a network of distributors and agents operating throughout the Australasian region.

Our objective is to identify and provide pool heating, hot water or solar electrical solutions to suit the often unique and individual needs of a family or business. Our skilled team tailor each system to deliver the most efficient and sustainable outcome available. Support continues beyond the installation ensuring a smooth transition.

At Supreme Heating we embrace our values. Business is conducted with honesty, integrity, respect, transparency and passion.

Our dedication to our employees, customers and community, fuelled by our passion for providing innovative, renewable and sustainable solutions, has been the foundation of our success and will continue to drive Supreme Heating for years to come.





POOL & SPA HEATERS



HEAT PUMPS

Heat pumps are a great alternative to gas heaters and are designed to efficiently and consistently heat a swimming pool using electricity.

This technology is based on the same principals employed by air conditioners and refrigerators. The heat pump extracts latent heat from the atmosphere, with 80% of the required power coming from the air. The warmer it is, the better it works.

- Energy efficient and inexpensive to operate
- Year-round heating input
- Quiet operation
- Unobtrusive heating unit

INTRODUCING THE HEATS INVERTER HEAT PUMPS

As the needs and lifestyle of consumers change, so do the demands for pool heating. The advancement of inverter heat pump technology sees us take the next step beyond our national award winning Heatseeker Nova series and introduce our new Heatseeker Vortex range.

Heatseeker Vortex is our domestic and commercial range of inverter heat pumps that provide enhanced performance and reduced electrical consumption.



 HEATSEEKER
VORTEXE

 HEATSEEKER
VORTEXPRO

WHAT IS INVERTER TECHNOLOGY?

Inverter technology allows you to vary or modulate the speed of the compressor – much like a variable-speed swimming pool pump. This maximises energy efficiency whilst keeping utility costs low, providing outstanding electrical savings and reducing your annual energy consumption.

HEATSEEKER VORTEX



WHAT DOES COP MEAN?

COP (Co-Efficient of Performance) is a heating efficiency measure used to compare the performance of heat pumps. The higher the COP, the less energy required to produce a certain amount of heat. For example, a COP of 5.0 means that for every 1kW of electricity consumed, 5kW worth of heat energy is produced.

HEATING & COOLING

Our Vortex range offers solutions for heating and cooling, as well as automatic mode to suit all pool temperature requirements and weather conditions.

Refer to model specifications.

SPIRAL TITANIUM HEAT EXCHANGER

The spiral titanium heat exchanger ensures maximum heat transfer and is more efficient than standard heat exchangers.

VARIABLE SPEED COMPRESSOR

Variable speed compressor technology creates higher efficiencies by only drawing the power it needs based on the pool heating requirements.

SMART CLIMATE CONTROL

Offering greater functionality and comfort, the Heatseeker Vortex Switch & Vortex Link assist in the primary operation of the heat pump.

Optional extra.

WI-FI ENABLED

The Heatseeker Vortex inverter heat pump range allows users to easily control their heat pump remotely with the Smarter Pool iOS & Android app.

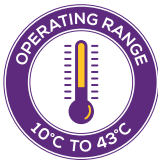
Refer to heat pump features.

ECO FRIENDLY R32 & R410A REFRIGERANT

HEATSEEKER VORTEXE

THE LATEST IN HEAT PUMP TECHNOLOGY

Our Heatseeker VortexE inverter heat pumps are designed to heat the pool by extracting heat from the outside air. The unique and innovative DC inverter technology uses a variable-speed compressor which offers greater efficiency and lower operating costs. The spiral titanium heat exchanger combined with the super-quiet operation and soft start technology further enhances the efficiency and lifespan of the Heatseeker VortexE heat pump.



SPECIFICATIONS				
MODEL		9 KW	13 KW	17 KW
Mode Type			Heat only	
Discharge			Side	
Fan Quantity			1	
Performance at Air 26°C, Water 26°C, Humidity 80%				
Heat Capacity	kW	9.0	12.5	16.8
COP		5.6-9.6	5.9-10.3	5.7-9.9
Performance at Air 15°C, Water 26°C, Humidity 70%				
Heat Capacity	kW	6.3	8.5	11.3
COP		4.3-6.0	4.2-5.9	4.4-6.0
General				
Rated input power at air 15°C	kW	0.26-1.46	0.36-2.02	0.48-2.56
Rated input current at air 15°C	Amps	1.13-6.34	1.56-8.78	2.08-11.13
Circuit Breaker	Amps	10.0	15.0	20.0
Power Supply			240v / 50Hz / 1PH	
Pool Volume - Cold Climate	Litres	≤20,000	≤30,000	≤40,000
Pool Volume - Warm Climate	Litres	≤30,000	≤40,000	≤50,000
Advised Flow Rate	L/min	70	100	135
Inlet / Outlet PVC-U Pressure	mm		40	
Compressor			Linda	
Heat Exchanger			Spiral titanium tube in PVC	
Casing			Black ABS	
Noise Level (1m)	dBA	41.6-53.5	43.9-54.0	46.2-57.3
Weight / Dimensions				
Net Weight	kg	46	49	60
Net Dimensions L x W x H	mm	872 x 349 x 654	872 x 349 x 654	962 x 349 x 654

The sizing of heat pumps are based on pool volume for seasonal swimming with the use of a Heatseeker Diamond Pool Cover.



HEATSEEKER VORTEXPRO

ENHANCED PERFORMANCE

Our Heatseeker VortexPro offers the ability to dynamically vary the working frequency of the inverter compressor, boasting even greater performance. This, coupled with the synchronisation of the fan and compressor speeds, optimises air flow to and from the heat pump. The enhanced technology of the VortexPro provides up to 50% higher efficiency with a COP of up to 15 compared to an on/off heat pump.



SPECIFICATIONS							Three Phase
MODEL		10 KW	13 KW	17 KW	21 KW	28 KW	35 KW
Mode Type		Heat & Cool					
Discharge		Side					
Fan Quantity		1					
Performance at Air 26°C, Water 26°C, Humidity 80%							
Heat Capacity	kW	9.8	13.3	17.3	21.0	27.3	35.2
COP		6.9-15.3	6.4-15.4	5.9-15.5	5.7-15.2	6.2-15.3	5.5-15.5
Performance at Air 15°C, Water 26°C, Humidity 70%							
Heat Capacity	kW	6.8	9.4	11.4	14.3	18.0	24.0
COP		4.6-7.7	4.4-7.8	4.3-7.8	4.2-7.7	4.6-8.1	4.5-8.0
General							
Rated input power at air 15°C	kW	0.21-1.4	0.27-2.1	0.3-2.6	0.36-3.3	0.53-3.8	0.63-5.15
Rated input current at air 15°C	Amps	0.91-6.1	1.17-9.1	1.3-11.3	1.57-14.3	2.3-16.5	0.91-7.4
Circuit Breaker	Amps	10.0	15.0	20.0	25.0	25.0	15.0
Power Supply		240v / 50Hz / 1PH					380v / 50Hz / 3PH
Pool Volume - Cold Climate	Litres	≤20,000	≤30,000	≤40,000	≤50,000	≤60,000	≤80,000
Pool Volume - Warm Climate	Litres	≤30,000	≤40,000	≤50,000	≤60,000	≤70,000	≤100,000
Advised Flow Rate	L/min	60	100	125	150	180	230
Inlet / Outlet	mm	50					
Compressor		Twin-rotary Mitsubishi DC inverter					
Heat Exchanger		Spiral titanium tube in PVC					
Casing		Black ABS					
Noise Level (1m)	dBA	38.6-49.9	41.3-54.0	43.1-53.8	40.9-54.2	43.5-54.9	42.6-54.7
Weight / Dimensions							
Net Weight	kg	49	52	63	68	90	117
Net Dimensions L x W x H	mm	961 x 340 x 658	961 x 340 x 658	961 x 420 x 658	961 x 420 x 758	1092 x 420 x 958	1161 x 530 x 958

The sizing of heat pumps are based on pool volume for seasonal swimming with the use of a Heatseeker Diamond Pool Cover.



HEATSEEKER VORTEXC

COMMERCIAL-GRADE PERFORMANCE WITH MINIMAL RUNNING COSTS

Our Heatseeker VortexC commercial heat pump range is designed to cope with the demands of aquatic facilities, regardless of size and location. Our VortexC inverter heat pumps are the most efficient way to heat a commercial pool with low operating costs.



SPECIFICATIONS			
MODEL		150T/60 KW	300T/120 KW
Mode Type		Heat & Cool	
Discharge		Top	
Fan Quantity		1	2
Performance at Air 26°C, Water 26°C, Humidity 80%			
Heat Capacity	kW	60.0	120.0
COP		6.2-16.1	6.0-16.2
Performance at Air 15°C, Water 26°C, Humidity 70%			
Heat Capacity	kW	40.0	81.0
COP		4.6-8.1	4.8-8.1
General			
Rated input power at air 15°C	kW	1.0-8.7	2.0-16.8
Rated input current at air 15°C	Amps	1.5-12.6	2.9-24.2
Circuit Breaker	Amps	25.0	50.0
Power Supply		380v / 50Hz / 3PH	
Pool Volume - Cold Climate	Litres	≤100,000	≤200,000
Pool Volume - Warm Climate	Litres	≤200,000	≤400,000
Advised Flow Rate	L/min	375	750
Inlet / Outlet	mm	75	90
Compressor		Twin-rotary Mitsubishi DC inverter	
Heat Exchanger		Spiral titanium tube in PVC	
Casing		Black aluminum-alloy	
Weight / Dimensions			
Net Weight	kg	290	490
Net Dimensions L x W x H	mm	1000 x 1110 x 1260	2100 x 1090 x 1280

The sizing of heat pumps are based on pool volume for seasonal swimming with the use of a Heatseeker Diamond Pool Cover.



SMART CLIMATE CONTROL

GREATER FUNCTIONALITY & MORE COMFORT

The Heatseeker Vortex Switch and Vortex Link are ancillary products that assist in the primary operation of the heat pump.



HEATSEEKER
VORTEX
SWITCH

A plug and play automation unit recommended for heat pump systems with independent circulation pumps.

Can be fitted during the installation of the heat pump, meaning no additional hassle or explanation required for the electrician.
Optional extra.



HEATSEEKER
VORTEX
LINK

An all in one system for autonomous control of heat pumps in line with the filtration system.








This unit permits the heat pump to run outside of filtration hours set by sanitation timers allowing for full automatic heat demand.
Optional extra.

WI-FI ENABLED

CONTROL YOUR HEAT PUMP FROM ANYWHERE, ANYTIME.

Easily monitor, control and manage the operation of your Heatseeker Vortex inverter heat pump range from a mobile device using the Smarter Pool iOS & Android app.

Refer to heat pump features.

-  TURN ON/OFF
-  TEMPERATURE CONTROL
-  SILENCE/SMART MODE SETTINGS
-  HEATING AND COOLING MODE
-  WEATHER CONDITIONS
-  TIMER SETTING
-  DIAGNOSTICS







HEAT PUMP FEATURES

BELOW IS A QUICK REFERENCE GUIDE TO OUR DOMESTIC AND COMMERCIAL HEAT PUMP MODELS AND FEATURES.



HEATING & COOLING



SPIRAL TITANIUM HEAT EXCHANGER



VARIABLE SPEED COMPRESSOR



ECO FRIENDLY REFRIGERANT

MODEL	VortexE Inverter	VortexPro Premium Inverter	VortexC Commercial
Heating and cooling		✓	✓
Heat only	✓		
COP	9.9	15.0	16.0
Automatic defrost	✓	✓	✓
Operating range	10°C-43°C	-7°C-43°C	-7°C-43°C
Spiral titanium heat exchanger	✓	✓	✓
Twin rotary DC compressor		✓	✓
DC brushless fan motor		✓	✓
Wi-fi enabled	✓	✓	✓
Built-in timer	App based	App based	✓
Controller	LED	LED	LED
Casing	Black ABS	Black ABS	Black aluminum-alloy
R32 Eco-friendly refrigerant	✓	✓	
R410A Eco-friendly refrigerant			✓
Optional			
VortexSwitch	✓	✓	✓
VortexLink	✓	✓	✓

MORE FROM SUPREME HEATING

TRADITIONAL STRIP SOLAR POOL HEATING

Heatseeker Plus features an elliptical profile, allowing up to 30% more exposure to solar radiation and therefore greater efficiencies. Heatseeker Plus offers increased wall thickness, a lower profile and less spacing between tubes resulting in up to 25% more tubing than other systems.



RIGID PANEL SOLAR POOL HEATING

The Heatseeker Suntuf panels are injection moulded from a high-grade formulated polymer, selected for its outstanding heat transfer properties and its exceptional durability. Each Suntuf panel consists of a multitude of miniature solar absorber tubes to maximise its surface area exposed to the sun. The solar absorber's thick circular wall structure is highly resistant to birds and hail.



POOL COVERS & ROLLER SYSTEMS

Supreme Heating's innovative range of Heatseeker Opal bubble pool covers will ensure your pool or spa meets modern day ecological requirements.



HYBRID SOLAR ELECTRICITY + POOL HEATING

Simultaneously generate electricity and heated water for the pool with the 100% renewable Heatseeker DualSun hybrid solar PV thermal panel. As water flows through the heat exchanger integrated into the underside of the panel, it is heated whilst cooling the panel. This allows up to 20% more PV electrical generation, unlike standard PV panels which lose efficiency as the surface temperature increases.



Available from:



Supreme Heating

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