



Established in 1981, Waterco pioneers reliable solutions for healthy, safe water environments. We design and manufacture innovative filtration and sanitisation products across residential, commercial and industrial applications in over 40 countries.

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[www.waterco.com](http://www.waterco.com)



**Warm Your Pool Beyond Seasons**



Electr  Heat **ECO-VS**  
swimming pool heat pump



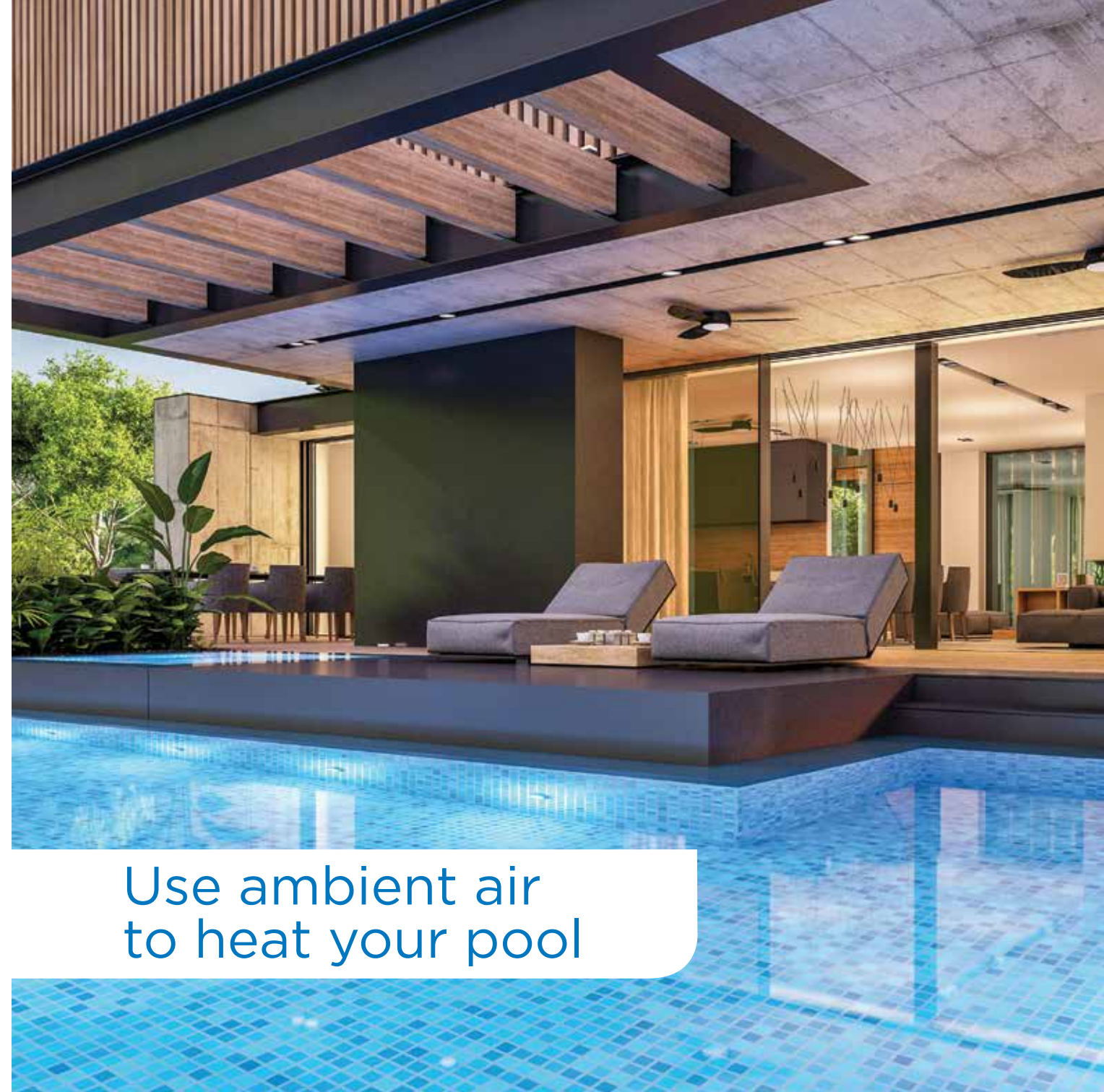
## Energy efficient heating

### Enjoy the luxury of a warm pool year-round.

Investing in a swimming pool is a significant commitment. To maximize your enjoyment, it's essential to maintain a comfortable water temperature throughout the year. The Electroheat ECO-VS WIFI heat pump offers a cost-effective solution, providing consistent warmth 24 hours a day.

### Introducing a new level of performance and style.

Featuring a sleek aluminium alloy body, the ECO-VS WIFI heat pump is not only visually appealing but also delivers exceptional performance. Its advanced evaporator coating ensures optimal heat transfer and corrosion resistance, making it ideal for pools and spas in humid or coastal environments.



Use ambient air  
to heat your pool



**Robust, weatherproof aluminium alloy cabinet** - ensuring long-lasting performance as well as contributing to noise reduction



**INVERGO app** - control your pool heating from anywhere



**Innovative air flow** - end venting air flow for tighter spaces



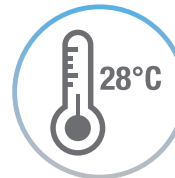
**Intuitive control panel** - features clear buttons and an easy-to-read display



**Hydrophilic Blue fin evaporator technology** - improved corrosion resistance and enhanced heat transfer efficiency



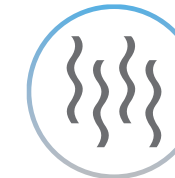
**Improved condensate collection** - fitted spigot to allow drainage hose connection



**ADVANCED LED TOUCH CONTROLLER** with tempered glass for temperature management and advanced data monitoring



**INBUILT SAFETY DEVICES** for water flow, refrigerant level and compressor startup delay



**POWERFUL HEAT TRANSFER** the twisted coil heat exchanger maximising water contact



**SINGLE COIL TITANIUM Heat Exchanger** is highly resistant to ozone, iodine, baquacil, salt and chlorinated water



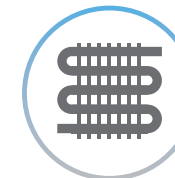
**HIGH QUALITY BRANDED TWIN ROTARY INVERTER COMPRESSOR** for improved efficiency and high performance



**LOW NOISE** A combination of sound-absorbing materials and centrifugal fan and housing design minimises noise



**R32 REFRIGERANT**, ozone friendly and maximises performance



**EXTRA LARGE EVAPORATOR AREA** Triple layer evaporator increases the heat pump's ability to capture heat from the surrounding air, allowing it to function more efficiently.



# Electr Heat ECO-VS

Electroheat ECO-VS WIFI heat pumps feature a compact design and horizontal venting through the ends, making them an ideal choice for efficient pool heating.

- Available in 11kW, 14kW, 19kW, 27kW, 32kW & 41kW heating capacities

This Electroheat heat pump range are an ideal solution for heating:



Swimming pools to extend the season



Swimming pools for year round enjoyment



Plunge pools



Swim spas and spas



Take control of your pool climate from anywhere with Wi-Fi enabled Waterco Electroheat ECO-VS pool heat pumps. Simply connect your heat pump to your home Wi-Fi and download the free Invergo app. This user-friendly app allows you to remotely monitor and adjust your pool temperature, ensuring a comfortable swim whenever you desire.



Swim in  
Extended Comfort

Compared to gas and electric heaters, the Electroheat ECO-VS WIFI heat pump range use just a fraction of the energy to generate the same amount of heat and unlike solar heating; there is no reliance on the sun as the latent heat in the air is absorbed.

The Electroheat ECO-VS heat pump is energy-efficient and environmentally friendly, capable of **converting 1 kW of electricity into up to 16 kW of heat energy** running at 50% speed.



Energy efficient way  
to heat your pool



## Performance Specifications

### Electroheat ECO-VS

Nominal Size (kW)*	11	14	19	27	32	41
Product Code	27811006	27814006	27819006	27822006	27832006	27841006
<b>Performance Condition: Air 27°C / Water 27°C / Humid. 80%</b>						
Turbo Mode - Heating Capacity (kW)	11.5	14.0	18.5	26.5	31.5	40.5
Perfect Mode - Heating Capacity (kW)	9.3	10.9	15.4	20.6	26.8	34.5
Heating Capacity (kW) @ 50% Speed	5.8	7.0	9.3	13.3	15.8	20.3
COP	17.0-7.4	17.1-7.6	17.0-7.1	17.1-7.3	17.8-7.3	17.7-7.1
COP @ 50% Speed	15.4	14.3	14.0	14.7	16.1	13.8
Average COP	12.8	13.0	12.7	12.8	13.2	13.0
<b>Performance Condition: Air 15°C / Water 26°C / Humid. 70%</b>						
Turbo Mode - Heating Capacity (kW)	7.7	9.3	12.5	18.0	21.8	29.0
Perfect Mode - Heating Capacity (kW)	6.3	7.6	10.6	14.4	18.0	23.9
Heating Capacity (kW) @ 50% Speed	3.9	4.7	6.3	9.0	10.9	14.5
COP	7.5-5.3	7.7-5.2	8.0-5.1	8.0-5.3	8.1-5.4	7.6-5.4
COP @ 50% Speed	7.4	8.2	8.3	8.0	8.2	7.1
Average COP	6.7	6.8	6.9	7.0	7.1	6.8
<b>Performance Condition: Air 35°C / Water 28°C / Humid. 80%</b>						
Cooling Capacity (kW)	4.6	5.6	7.1	10.2	12.2	15.0
Operating Air Temperature (°C)	-15 ~ 43					
Power Supply	230 - 240V 1PH AC					415V 3PH
Electric Connection	3 metre lead					
Rated Input (kW)	0.23-1.74	0.29-2.14	0.40-2.98	0.56-4.14	0.66-4.89	0.88-6.52
Input Power at 50% Speed (kW)	0.56	0.66	0.91	1.27w	1.51	2.11
Rated Input Current (A)	1.00-7.57	1.26-9.30	1.74-12.96	2.43-18.00	2.87-21.26	1.28-9.45
Sound Level at 1m dB(A)	36.3 ~ 44.5	36.5 ~ 45.9	39.7 ~ 48.5	39.8 ~ 50.2	40.3 ~ 50.8	40.6 ~ 51.3
Sound Level 50% at 1m dB(A)	38.4	40.3	42.5	43.1	45.1	45.7
Sound Level at 10m dB(A)	16.3 ~ 24.5	16.5 ~ 25.9	19.7 ~ 28.5	19.8 ~ 30.2	20.3 ~ 30.8	20.6 ~ 31.3
Water Flow (LPM)	50 ~ 60	50 ~ 60	90 ~ 120	140 ~ 170	170 ~ 200	200 ~ 300
Weight (kg)	66	73	75	114	148	164
Dimension W x L x H (mm)	750x504x656	750x504x656	840x504x656	1135x514x756	1135x528x957	1285x530x957
Protection Level	IPX4					
Water Connection (mm)	40mm slip					
Refrigerant Charge R32 (g)	550	900	1000	2000	2300	3000



**Warranty** - Residential  
 25 years - titanium heat exchanger tube against corrosion  
 10 years - heat exchanger  
 10 years - compressor  
 5 years - all other components  
 1 year - labour

**Warranty** - Commercial - 1 year  
 Conditions apply, see the Waterco Limited warranty set out in the Waterco Warranty Booklet or view it at [www.waterco.com](http://www.waterco.com)

## Sizing Chart to Heat Your Pool to 28°C FROM SEPT TO APRIL

Pool Size (m)	Litres	Temperate Location *		Warm Location **	
		with Pool Cover	No Pool Cover	with Pool Cover	No Pool Cover
		Up to 10 hrs / Day Run time		Up to 10 hrs / Day Run time	
3 x 6	Up to 23000	11kW	14kW	11kW	11kW
3 x 7	Up to 27000	11kW	14kW	11kW	14kW
4 x 7	Up to 35000	14kW	19kW	11kW	14kW
4.5 x 8.5	Up to 50000	14kW	19kW	11kW	19kW
5 x 10	Up to 65000	19kW	32kW	14kW	27kW
5.5 x 11	Up to 80000	19kW	41kW	14kW	32kW
6 x 12	Up to 100000	27kW x 2	41kW	19kW	41kW

### Factors Affecting Heater Size and Performance

The optimal heater size for your pool is influenced by pool volume and various environmental factors. These include ambient temperature, humidity, pool cover usage, nighttime temperatures, pool location, wind exposure, water features, and operating hours.

The sizing recommendations provided in the table are based on typical daytime usage of up to 10 hours in suburban areas with moderate wind conditions. Please note that these recommendations do not account for the cooling effects of water features, negative edges, or high wind exposure.

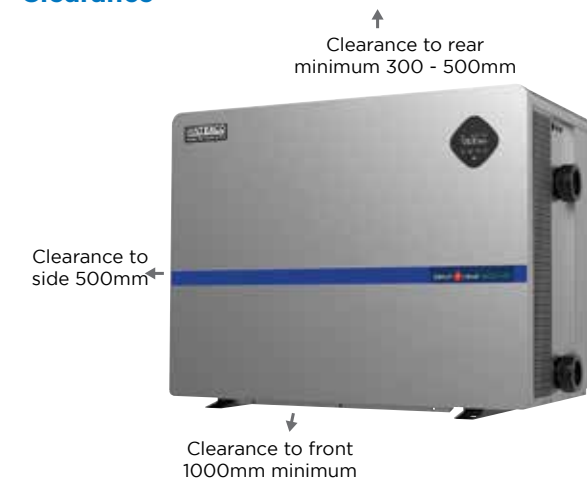
Disclaimer: Waterco is not responsible for any undersizing of the heater that may result from inadequate consideration of these factors.

\* Temperate Location (Sydney) :- Where minimum average daytime temperatures between September to April are not less than 18°C.

\*\* Warm Location (Brisbane) :- Where minimum average daytime temperatures between September to April are not less than 24°C

\*\*\* Pool heating between May and August will require a larger heat pump. Consult [www.watercocalculator.com](http://www.watercocalculator.com) or contact your local Waterco office.

### Clearance



### Dimensions

