

WATERCO
water, the liquid of life



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

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www.waterco.com

WATERCO
water, the liquid of life

Electr Heat MKV
swimming pool heat pump

**Warm Your Pool
Beyond Seasons**

Electr Heat MKV
swimming pool heat pump



Energy efficient heating

Owning a swimming pool is a significant financial commitment. To optimize its usage, it's important to maintain a comfortable swimming temperature for the maximum number of hours daily and throughout the year. A pool heat pump economically keep your pool warm 24 hours a day.

The redesigned Electroheat MKV heat pump not only sporting a new pewter color but a special evaporator coating that ensures high heat transfer and corrosion resistance for pool and spa owners living in humid or coastal environments.



**Use ambient air
to heat your pool**



SMART CONTROLS for temperature management and self diagnosis



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



POWERFUL HEAT TRANSFER through the coiled heat exchanger maximising water contact



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



HIGH QUALITY BRANDED SCROLL COMPRESSOR for improved efficiency and high performance



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



R410A REFRIGERANT, ozone friendly and maximises performance



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

Electro Heat MKV

Electroheat MKV pool heat pumps feature a compact design and horizontal venting, making them an ideal for efficient heating.

- Available in 9kW, 12kW, 14kW, 19kW & 22kW heating capacities

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



Swimming pools to extend the season



Swimming pools for year round enjoyment



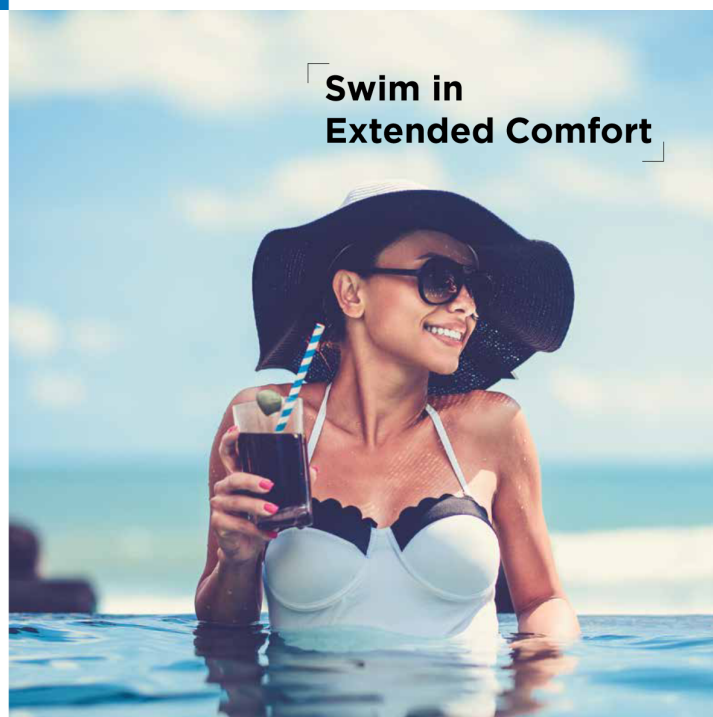
Plunge pools



Swim spas and spas



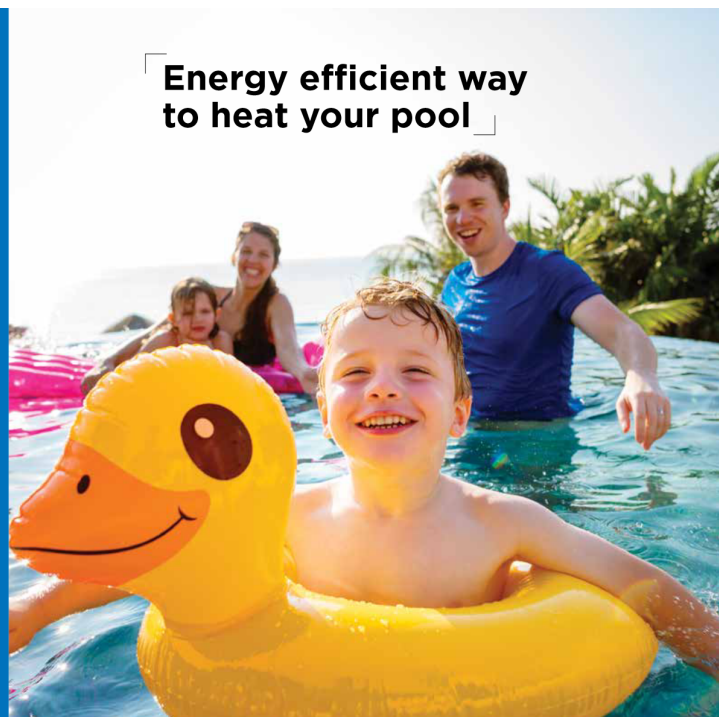
Take control of your pool climate from anywhere with Wi-Fi enabled Waterco Electroheat pool heat pumps. Simply connect your heat pump to your home Wi-Fi and download the free Waterco Connect app. This user-friendly app allows you to remotely monitor and adjust your pool temperature, ensuring a comfortable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



Swim in
Extended Comfort

Compared to gas and electric heaters, the Electroheat MKV pool 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 used.

The Electroheat MKV heat pump is energy-efficient and environmentally friendly, capable of **converting 1 kW of electricity into 6 kW of heat energy.**



Energy efficient way to heat your pool

Performance Specifications

Electroheat MKV					
Nominal Power Output (kW)*	9	12	14	19	22
Nominal Heating Capacity BTU*	30,700	41,000	47,700	64,000	75,000
Product Code	27809506	27812306	27815206	27819206	27823206
Power Output (kW): Air 26C / Water 26C / RH63%	8.9	11.7	13.5	18.5	21.8
COP	5.9	6.1	6.1	6.3	6.2
Power Output (kW): Air 15C / Water 24C / RH 70%	6.8	9.2	9.4	17.0	20.0
COP	4.8	4.8	4.3	5.8	5.7
Supply Voltage (VAC)	240	240	240	240	240
Supply Voltage Phase	Single Phase				
Power Consumption (kW/h)	1.5	1.9	2.2	2.9	3.5
Full Load Amps	9	12	12	22	30
Minimum Breaker or Fuse (AMP)	16	20	20	30	40
Electrical Connection	10A plug	15A plug	Terminals		
Min. / Max. Ambient Air Temperature (C)	10 / 40				
Min. / Max. water inlet temp (C)	18 / 40				
Water Connections (mm)	40mm				
Bypass	External 3 x 2 way				
Evaporator area m ²	0.59	0.59	1.18	1.77	1.77
Min. / Max. Water Flow Rate LPM	120 - 230				
Unit Dry Weight (kg)	51	55	79		
Dimensions W x L x H (mm)	1269 x 361 x 717				
Refrigerant	R410A				
Heat Exchanger Max. pressure	3.5 bar / 350 kPa				

Related products:
Electroheat Pro range - Pool heat pumps for commercial applications. Electroheat ECO V range - Pool Heat pumps with inverter technology.



Warranty - Residential
25 years - titanium heat exchanger tube
against corrosion (eff 1 Aug 22)
10 years - heat exchanger
3 years - compressor
2 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

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

Pool Size (m)		Temperate Location *		Warm Location **	
		Up to 10 hrs / Day Run time		Up to 10 hrs / Day Run time	
		with Pool Cover	No Pool Cover	with Pool Cover	No Pool Cover
3 x 6	Up to 23000	9kW	14kW	9kW	9kW
3 x 7	Up to 27000	9kW	14kW	9kW	9kW
4 x 7	Up to 35000	12kW	22kW	9kW	14kW
4.5 x 8.5	Up to 50000	14kW	31kW	9kW	19kW
5 x 10	Up to 65000	19kW	22kW x 2	12kW	22kW
5.5 x 11	Up to 80000	22kW	22kW x 2	14kW	14kW x 2
6 x 12	Up to 100000	14kW x 2	22kW x 3	19kW	19kW x 2

Note: Size and performance are influenced by ambient temperature, humidity, use of a pool cover, night time temperature, pool location, wind factor, water features and if the unit is switched off over night. The recommended sizing in the table above is based on operating the unit up to 10 daytime hours with the pool subjected to normal suburban wind. No allowance has been made for the cooling effects of water features, negative edges or high wind areas. Therefore, any under sizing of the heater for your pool heating requirements is not the responsibility of Waterco.

* 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 or contact your local Waterco office.

Clearance



Dimensions

