

EVOHEAT

COMMERCIAL POOL & SPA

HEATING & COOLING SOLUTIONS

COMMERCIAL POOL HEAT PUMP CATALOGUE



PRODUCT  REVIEW **2024 AWARDS**
.COM.AU WINNER

SWIM EVERYDAY WITH EVOHEAT

AWARD WINNING HEATING & COOLING POOL & SPA TECHNOLOGY

For more than 15 years, we've been building an award winning reputation for pool and spa heating and cooling solutions that are renowned for reducing energy bills and delivering reliability.

We have the largest range of pool and spa heat pumps - ranging from 7kw to 300kW. With one of the highest co-efficient of performance (C.O.P.) available worldwide, Evo pool and spa heat pumps are the most reliable and economical pool heating and cooling solution.

COMPLETE TEMPERATURE CONTROL

Complete control over the weather isn't possible, however complete control over your pool heating and running costs are with EvoHeat.

Day or night, rain, hail or shine; our heat pump technology will deliver your desired temperature with greater efficiency and reliability than all conventional heating methods – including solar pool heating, gas and electric element.

Our exclusive EVO heat pumps are the most reliable and energy efficient temperature control system available. They are exceptionally durable, utilising the latest innovations and cutting-edge components sourced from leading brand manufacturers from around the world.



WE ARE THE LEADERS IN THE INDUSTRY

We offer the latest innovations in heat pump technology

ENERGY EFFICIENT



The Evo CS-i is up to 16 times more energy efficient than other heating technology

INNOVATIVE TECHNOLOGY



Cutting edge and innovative heat pump technology

EXPERTISE & SUPPORT



Get the right advice and after sales support from our heat pumps experts

OUTCLASS IN EFFICIENCY

EvoHeat is driven by a need for sustainable, affordable and efficient electric heating systems. EvoHeat's heating and cooling solutions outclass in efficiency and surpass traditional methods of heating to reduce running costs and carbon emissions.

WE CAN & WILL SAVE YOU MONEY!

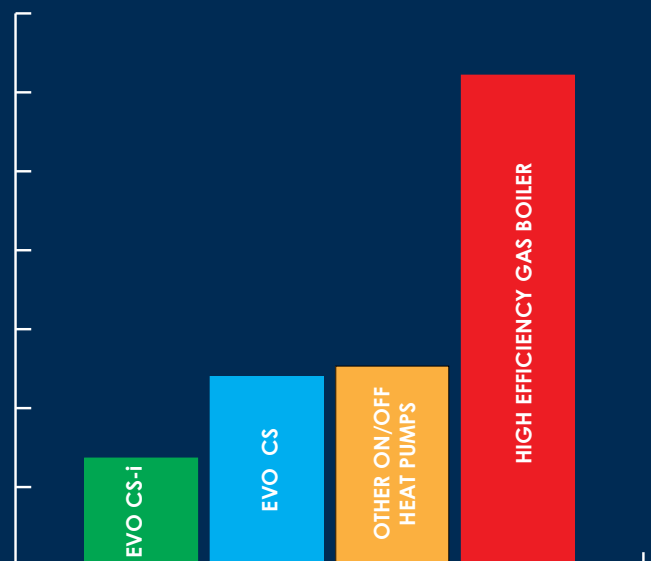
Engineered with our exclusive EvoTech® inverter technology, the Evo CS-i series is up to **16 TIMES MORE ENERGY EFFICIENT** than other methods of heating, translating to exceptionally large long term savings. For every 1kW of electricity used, up to 16kW+ of heating is produced.



RUNNING COST COMPARISON

Our range of high efficiency commercial heat pump solutions have been specifically engineered for commercial applications.

In today's highly competitive market and the strong push for energy efficiency in all aspects of building and equipment operations, EvoHeat's superior commercial heat pump technology will deliver on performance and savings, every time!



SWIM EVERYDAY WITH EVOHEAT



EVO CS-i

COMMERCIAL FULL INVERTER POOL HEAT PUMP
PREMIUM PERFORMANCE SERIES



FULL INVERTER HEAT PUMP | PREMIUM PERFORMANCE SERIES

FORMIDABLE PERFORMANCE UP TO 300kW

Engineered to meet the demands of any commercial application, the Evo CS-i is the most reliable and efficient way to heat a commercial pool. Designed with the latest full inverter technology and exclusive smart features, the Evo CS-i delivers reliable, year round performance with the lowest operating costs and ultra quiet operation. Ideal for aquatic facilities, sports and leisure centres, water parks, apartments, resorts and hotels - there is no job too big for the Evo CS-i series!



Power boost mode



304 stainless steel cabinet



Dual defrost systems



EEV2 technology



BMS Support Capability

C.O.P. up to 16.1

Eco-friendly R410A refrigerant



Colour LCD touch screen controller

Simple Operation



Heating, cooling & auto modes

Ultra quiet operation and silent mode



Stable performance from -15°C

Vertical airflow

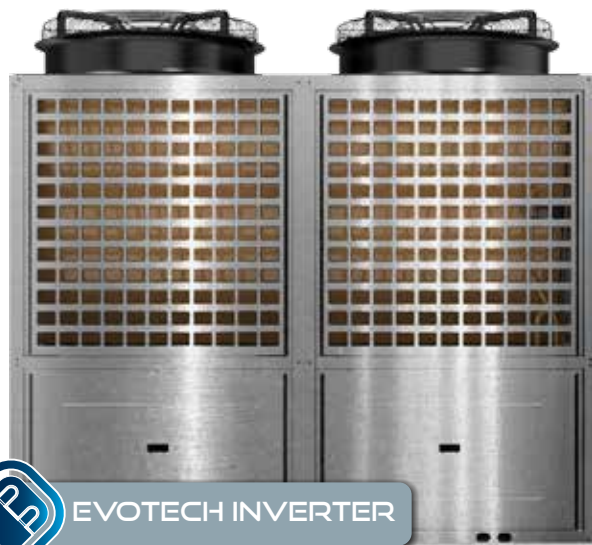


Full stepless inverter technology

Ideal to work with solar PV



EVOTECH INVERTER



SLASH YOUR OPERATING COSTS & CARBON EMISSIONS WITH THE EVO CS-i

EXCEPTIONAL PERFORMANCE & LOW OPERATING COSTS

Evo CS-i series delivers commercial pool heating with exceptional performance, low operating costs & a C.O.P. as high as 16.1.

LATEST STEPLESS DC FULL INVERTER TECHNOLOGY

Incorporating the latest full inverter technology - including DC stepless compressors, fans, and PC boards; the CS-i series will automatically adjust its power and electricity consumption based on the exact requirements of your pool. This ensures your pool reaches the desired temperature faster, and is maintained more efficiently.

POWER BOOST MODE

Ideal for commercial applications, the power BOOST mode provides greater heating capacity on demand to counteract extreme weather conditions or heating to the target setpoint quickly.

COLOUR LCD TOUCH SCREEN CONTROLLER

Featuring an easy to use, colour touch screen controller that allows you to maintain your pool temperature to within 0.1 degree while delivering optimum performance.



BMS SUPPORT CAPABILITY

Be in control at all times - manage parameters, monitor performance and track operational data remotely using the BMS capability.

With the ability to monitor your Evo CS-i heat pump, operational performance can be matched to better suit your facilities requirements and improve performance and energy consumption.

HEATING & COOLING MODES

The Evo CS-i series is equipped to automatically heat or cool your pool water based on your set temperature - so you can be sure your pool is always at your desired temperature!

304 STAINLESS STEEL CABINET

The 304 stainless steel cabinet will ensure long term corrosion resistance. Ask us about optional upgrade to 316 stainless steel.

ULTRA QUIET OPERATION

Designed with low noise fan blades and silent mode, the Evo CS-i provides maximum performance with whisper quiet operating noise.

DUAL DEFROST WITH REVERSE CYCLE & THERMOTEC ELEMENT DEFROST TECHNOLOGY

The dual defrost technology ensures the Evo CS-i series is defrosting less and heating more often, maximizing the heating capacity in colder weather when its needed the most.



MODEL	EVO CS-i 65	EVO CS-i 130	EVO CS-i 250
Heat output at 27°C air 26°C water (kW)	65	130	246
Heat output at 15°C air 26°C water (kW)	50.1	100	186
Cooling output at 35°C air 30°C water (kW)	30.2	73.4	128.4
Cooling output at 43°C air 26°C water (kW)	18.4	54.8	109.2
C.O.P. AT 27°C AIR	16.1 - 6.1	15.64 - 5.73	15.64 - 5.73
POWER BOOST MODE AT 27 DEG AIR	80kW	175kW	292kW
Consumed power at 27 deg air (kW)	0.76-10.65	1.76-20.97	4.10-43.95
Power supply	380-415/3/50	380-415/3/50	380-415/3/50
*Max running current AMPS per phase	21	37.7	90
*Max running current AMPS per phase in boost mode	26.3	46.1	105.5
Compressor type	Mitsubishi DC	Hitachi DC	Hitachi DC
Refrigerant	R410A	R410A	R410A
PVC water connection (mm)	50	100mm flange	100mm flange
Water flow rate (L/min)	458	833	1000
Noise dB(A) at 1M	41-60	42-63	59-70
Net dimensions L/W/H (mm)	1735/843/1738	2260/1177/2182	2540/1330/2470
Net weight (kg)	358	659	1015

The data above is based on the EVO heat pump only, it does not include auxiliary devices. Product specification information provided above is correct at the date of printing, this data may change without notice. Please speak with an EvoHeat Specialist for the most current product specifications.

SWIM EVERYDAY WITH EVOHEAT



EVO CS

COMMERCIAL ON/OFF HEAT PUMP
VALUE PERFORMANCE SERIES

ON/OFF HEAT PUMP | VALUE PERFORMANCE SERIES

ENGINEERED TO MEET THE DEMANDS OF THE COMMERCIAL POOL INDUSTRY

Our commercial Evo CS on/off heat pumps are ideal for sports and leisure centres, aquaculture, agriculture, water parks, hotels, resorts, apartments and office builds.

A tried and trusted commercial pool heater that's able to save businesses tens of thousands of dollars a year, you can expect efficient and intelligent commercial pool heating.



Dual defrost systems



304 stainless steel cabinet



EEV2 technology



Exclusive tariff + Timer System

Eco-friendly R410A refrigerant



C.O.P. up to 5.79



Built-in timers

Monobloc design



Intelligent digital controller

Quiet operation



Heating, cooling & auto modes

V shaped evaporator



C.O.P. of up to 5.79

Vertical airflow



VALUE PERFORMANCE & LOW OPERATING COSTS

Evo CS series delivers pool heating with exceptional performance, low operating costs & a C.O.P. as high as 5.79.

PRECISION BUILT INTELLIGENT DIGITAL CONTROLLER

Featuring an easy to use, intelligent digital controller that will allow you to maintain your pool temperature to within half a degree of the set point while maintaining optimum heater operating performance.

This controller enables you to predefine different temperatures and control parameters under all conditions ensuring the lowest operation costs.



HEATING & COOLING MODES

The CS series is equipped to automatically heat or cool your pool water based on your set temperature - so you can be sure your pool is always at your desired temperature!

304 STAINLESS STEEL CABINET

The 304 stainless steel cabinet will ensure long term corrosion resistance. Ask us about our optional upgrade to 316 stainless steel.

DUAL DEFROST WITH REVERSE CYCLE & THERMOTEC ELEMENT DEFROST TECHNOLOGY

The dual defrost technology ensures the Evo CS series is defrosting less and heating more often, maximizing the heating capacity in colder weather when its needed the most.

DESIGNED FOR VERY HIGH FLOW RATES AND LOW PRESSURE DROPS

Designed for very high flow rates and low pressure drops, the Evo's CS series can be directly connected to the filtration circuit and pump. This series have much lower resistance which means lower pumping costs even if connected to a pumped side stream configuration.

AVAILABLE ON CS-GEN2 SERIES

EXCLUSIVE TARIFF & TIMER SYSTEM

The exclusive tariff + timer system allows you to program 4 time zones, and select 2 of these time zones each day. This allows you to run the heater during off peak electricity periods or during the day when its warmer and more efficient to run.

EXCLUSIVE THERMAL OVERLOAD RELAYS*

Our exclusive thermal overload relays are an added layer of protection for the main circuit, they offer reliable protection for motors in the event of overload or phase failure and **EXCEEDS AUSTRALIAN ELECTRICAL STANDARDS**



MODEL	EVO CS38	EVO CS47	EVO CS57	CS95-GEN2	CS120-GEN2	CS145-GEN2	CS200-GEN2
Heat output at 24°C air/26°C water (kW)	38	47	57	95	120	145	190
Heat output at 15°C air/26°C water (kW)	31.1	39.7	48.1	72.5	103	120	160
Cooling output at 35 °C air/ 30°C water (kW)	21.6	28.2	36	64	80	97	119
C.O.P. at 24° C air	5.3	5.05	5.14	5.49	5.7	5.69	5.79
Power input at 24 deg air (kW)	7.16	9.3	11.1	17.3	21	25.5	32.8
Power supply	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
*Max running current AMPS per phase	13.8	19.1	25.1	40	46	60	80.1
Compressor type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	R410A
PVC water connection (mm)	50	50	50	100mm flange	100mm flange	100mm flange	100mm flange
Water flow rate (L/min)	200	250	325	483	583	1033	1000
Noise dB(A) at 1M	61	61	61	61	62	63	67
Unit dimensions L/W/H (mm)	1490/735/1200	1490/735/1200	1490/735/1200	2170/1070/1920	2175/1070/2030	2175/1070/2030	2180/1070/2060
Weight packed/unpacked (kg)	270/252	300/254	300/260	679/632	694/648	709/664	940/908

*Running current max: 43°C ambient heat /29°C in cooling mode. The data above is based on the EVO heat pump only, it does not include auxiliary devices. Product specification information provided above is correct at the date of printing, this data may change without notice. Please speak with an EvoHeat Specialist for the most current product specifications.



THE SPECIALISTS IN POOL & SPA HEATING & COOLING

EvoHeat are the industry specialists in energy efficient pool and spa heating and cooling.

Australian owned and operated and with more than 15 years' experience in providing tailored domestic and commercial solutions, EvoHeat are the industries' preferred supplier of heat pump water heating technologies.



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