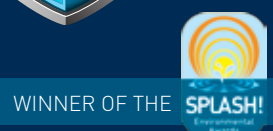




POOL & SPA HEATING/COOLING CATALOGUE 2018



ABOUT EVOHEAT

HEATING & COOLING TECHNOLOGY

EvoHeat are 100% Australian owned and operated company and are the industry specialists in pool and spa heating and cooling. For over a decade we've been building a solid reputation for pool and spa heating solutions that are renowned for reducing energy bills and delivering reliability.

We have a solution for every situation including the most basic domestic pool heating system through to full-spectrum commercial pool heating requirements. Our exclusive heat pump technology is durable, utilising cutting edge components sourced from leading brand manufacturers from around the world.

Unlike other suppliers, we only specialise in heat pump technology and are constantly developing and improving our heating applications to ensure we offer the best in the market.

HEAT PUMPS ARE A RENEWABLE ENERGY SOURCE

A heat pump is a different way to use renewable energy to heat or cool your pool or spa water. Our heat pumps use R410a environmentally friendly refrigerant that extracts the latent heat from the air and transfers the heat into the pool water through a series of processes.

Our exclusive EVO heat pumps are the most energy efficient heating system available on the market today and they produce far more energy than they consume.

THE FUTURE OF POOL HEATING & COOLING

EvoHeat's technology is driven by the global shift away from unsustainable products with pollutants and high CO2 emissions. We match and exceed this global challenge with sustainable products that are extremely energy efficient, eco-friendly, produce low carbon emissions and are made with durable, recyclable materials.

**SLASH YOUR RUNNING COSTS AND CARBON EMISSIONS WITH THE MOST
ENERGY-EFFICIENT AND AFFORDABLE POOL HEATERS ON THE MARKET!**



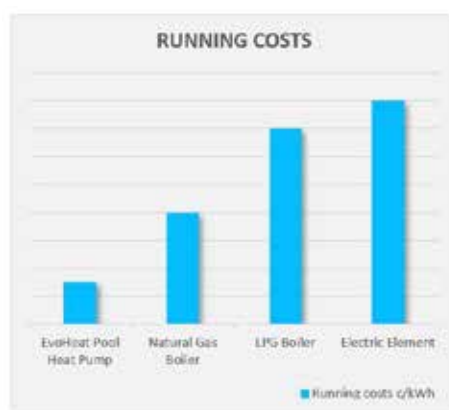
SHOW US YOUR ENERGY BILLS!

EVOHEAT CAN & WILL SAVE YOU MONEY!

Want a reliable and energy-efficient pool heater that heats your pool all year round but won't burn a hole in your pocket? EVO heat pumps are **up to 600% more energy efficient** than traditional methods of heating, translating to exceptionally large long term savings.

***HEAT YOUR POOL FROM AS LITTLE AS \$1.60 PER DAY**
or combine with your solar PV & pool blanket and potentially pay nothing!

For every 1kW of electricity used, up to 6kW of heating is produced using an EVO heat pump. Compare this to gas or electric element and you will quickly see that an EVO heat pump is by far the most energy efficient solution.



EVO FUSION SERIES

DOMESTIC POOL HEATER

SAVE \$1,400 or more per year when compared to gas pool heating or **SAVE \$2,600 or more** per year when compared to electric element pool heating.

*Based on running a 5,000-litre spa 24/7

EVO FORCE SERIES

HIGH PERFORMANCE DOMESTIC POOL HEATER

SAVE \$1,500 or more per year when compared to gas pool heating or **SAVE \$2,800 or more** per year when compared to electric element pool heating.

*Based on running a 5,000-litre spa 24/7

EVO DHP-R SERIES

PREMIUM DOMESTIC POOL HEATER

SAVE \$6,500 or more per year when compared to gas pool heating.

*Based on heating an 80,000-litre pool to 30°C 24/7

EVO CS SERIES

RESORT OR LEISURE CENTRE POOL HEATER

SAVE \$45,000 or more per year compared to gas pool heating.

*Based on heating an Olympic-sized swimming pool to 27°C 24/7

NOTHING OUT THERE TOPS OUR POOL HEATING RANGE AND HERE'S WHY...

Our pool heaters are tough, durable, built for Australia's harsh conditions and utilise cutting edge components sourced from leading brand manufacturers in Japan, Switzerland, Italy, and Germany.

For further peace of mind our EVO heat pumps come with an industry-leading warranty:

- 25 years warranty on the titanium heat exchanger
- 5 years on compressor /Fusion: 3 years on compressor
- 2 years on parts
- 1 year on site labour



*Based on a 6 month swim season, heating at 27°C, Brisbane Metro weather data set



OUR PRODUCTS AT A GLANCE

With the largest range of pool and spa heat pumps, we have a solution for every budget and requirement. From domestic solar replacement heat pumps to high-end commercial heat pumps - we have the right solution to suit your heating and cooling requirements.



Features	Domestic			Commercial	
	Fusion 6kW to 17kW	Force 9.2kW to 26kW	DHP-R 9.7kW to 26kW	CS 38kW to 57kW	CS GEN2 95kW to 200kW
	Standard	High Efficiency	Premium Low Ambient	Commercial	Commercial
Heating & cooling	✓	✓	✓	✓	✓
Automatic defrost	✓	✓	✓	✓	✓
Titanium heat exchanger	✓	✓	✓	✓	✓
Low noise fan blades	✓	✓	✓	✓	✓
Bluetec/Goldtec hydrophilic coating	✓	✓	✓	✓	✓
Ripple fin heater technology	✓	✓	✓	✓	✓
EEV2 - high performance refrigerant control		✓	✓	✓	✓
Thermotec element defrost system (dual defrost)			✓	✓	✓
Built-in timer		✓	✓	✓	✓
Off peak tariff & timer system				✓	✓
Fully programmable touch screen controller		✓	✓	✓	✓
Smart phone control & monitoring	Optional upgrade	Optional upgrade	✓		
V-formation evaporator			DHP-603R only	✓	✓
Vertical air flow			✓	✓	✓
Horizontal air flow	✓	✓			
High density PVC cabinet	✓	✓			
304 Stainless steel chassis and cabinet			✓	Optional upgrade	✓
Galvanised powder coated cabinet				✓	
Dual speed fans		Optional upgrade	✓		✓
ADD ONS					
J-Box compatible	✓	✓	✓	✓	✓
WARRANTY YEARS					
Titanium heat exchanger	25	25	25	25	25
Compressor	3	5	5	5	5
All other parts	2	2	2	2	2
On site labour	1	1	1	1	1

WHY INVEST YOUR MONEY IN OLDER INFERIOR HEATER TECHNOLOGY?



JUST SOME OF OUR STANDARD FEATURES



WE PROVIDE MORE THAN JUST THE ESSENTIALS...

With one of the highest Coefficient Of Performance (C.O.P.) ratings available worldwide, our heat pumps are up to 600% more energy-efficient than other technologies in the market.



COMPATIBLE WITH SOLAR PV

EVO heat pumps are designed to be used in conjunction with other third-party products such as solar PV panels, making our heat pumps even more energy efficient, smarter and the more reliable alternative to solar thermal pool heating.



HEATING & COOLING

Our heat pumps are 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!



AUTOMATIC DEFROST

The automatic defrost technology provides intelligent auto defrosting and allows the heat pump to work in ambient air temperatures as low as -7°C.



LOW NOISE FAN BLADES

Our low noise fan blades ensure minimal operating noise which is ideal for you and your neighbours!



TITANIUM HEAT EXCHANGER

The titanium thread heat exchanger ensures maximum heat transfer with the ultimate corrosion resistance, improving the heat transfer efficiency by up to 30% compared to standard heat exchangers!



ECO FRIENDLY REFRIGERANTS

Evo heat pumps use eco-friendly, safe, non ozone depleting R410a refrigerant.



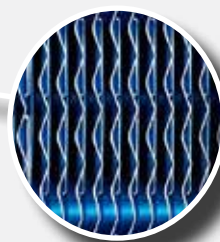
LATEST CORROSION PROTECTION TECHNOLOGY

Our Bluetec hydrophilic coating on the condenser fins is the latest technology in corrosion protection allowing your heat pump to maintain its high efficiency for many years to come.



EVO'S RIPPLE FIN HEATER TECHNOLOGY

Our ripple fin heater technology increases the condenser surface area by 10-15%, producing greater energy collection while maintaining a compact design.



ELECTRONIC EXPANSION VALVE 2 TECHNOLOGY

Electronic Expansion Valve 2 Technology is the absolute latest and the best possible refrigeration control system available on the market today. This results in a higher C.O.P. and improved efficiency of up to 20% compared to other commercial heater brands. (not available on the Fusion series)

HIGHER PERFORMANCE = INDUSTRY LEADING ENERGY SAVINGS
REDUCED HEATER RUNNING TIME = EXTENDED HEATER LIFE



DOMESTIC

FUSION

SWIMMING POOL & SPA HEATERS

SOLAR ALTERNATIVE HEAT PUMP



EASY POOL HEATING IN EVERY RESPECT

The EVO Fusion Series heat pump is our entry level domestic pool and spa heat pump ideal for recreational pool owners seeking pool heating with minimal running costs. The Fusion heat pump is extremely easy to use with minimal maintenance and is the smarter alternative for those considering solar pool or spa heating.

KEY FEATURES

- Extremely energy efficient with a C.O.P. of up to 5.86
- Available in 4 models, 6kW to 17kW
- Heating and cooling capability
- Sleek design
- Easy to use with simple 3 button LCD controller
- Low noise fan blades
- Robust PVC cabinet
- Eco-friendly and safe R410a refrigerant
- Automatic defrost system that you can depend on, guaranteed stable performance from as low as -7°C
- Horizontal airflow
- Simple installation, small footprint ideal for tight installations
- Designed to work with solar PV panels

FRIENDLY ON THE ENVIRONMENT AND YOUR POCKET!

EXCEPTIONAL PERFORMANCE & LOW OPERATING COSTS



EVO Fusion Series delivers pool heating through exceptional performance and with low operating cost with a C.O.P. as high as 5.8 + (at 27°C/24.3°C(DB/WB)).

COMBINE YOUR POOL HEAT PUMP WITH A POOL BLANKET &/OR YOUR SOLAR PV FOR THE ULTIMATE ENERGY EFFICIENT POOL HEATING

HEATING & COOLING



Our heat pumps are 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!

VERY QUIET OPERATION



Our low noise fan blades ensures minimal operating noise which is ideal for you and your neighbours!

3 BUTTON LCD CONTROLLER

With only three buttons on the controller, you can easily increase or decrease water temperatures and switch between heating and cooling modes.




EVO'S ADVANCED TECHNICAL FEATURES

TITANIUM HEAT EXCHANGER - The titanium thread heat exchanger ensures maximum heat transfer with the ultimate corrosion resistance, improving the heat transfer efficiency by up to 30% compared to standard heat exchangers!

AUTOMATIC DEFROST - Evo Fusion Series heat pumps are designed with a four-way valve reverse defrost method. It provides automatic defrosting and allows the unit to work efficiently in ambient air temperatures as low as -7°C.

LATEST CORROSION PROTECTION TECHNOLOGY - Our Bluetec hydrophilic coating on the condenser fins is the latest technology in corrosion protection allowing your heat pump to maintain its high efficiency for many years to come.

EVO'S RIPPLE FIN HEATER TECHNOLOGY - The ripple fin heater technology increases the condenser surface area by 10-15%, producing greater energy collection while maintaining a compact design.



UPGRADE OPTION: Upgrade your EVO Fusion heat pump to include the EvoHeat smart phone controller app and control your pool heat pump via Wi-Fi. Available for iOS and Android, the smart phone controller app offers you an easy and convenient way to monitor and control your pool temperature anytime, anywhere.

MODEL	EVO Fusion 6	EVO Fusion 9	EVO Fusion 13	EVO Fusion 17
*Heating capacity (kW)	5.95	8.97	12.6	17.3
*Heating power input (kW)	1.04	1.54	2.15	3.02
*C.O.P.	5.72	5.84	5.86	5.73
**Max running current AMPS	6.5	9.5	11	16.5
Connection type	10 AMP plug and play	10 AMP plug and play	15 AMP plug and play	Hard wired
Compressor type	Rotary	Rotary	Rotary	Rotary
Refrigerant	R410a	R410a	R410a	R410a
Noise dB(A) at 1M	50	52	54	56
PVC water connection (mm)	40	40	40	40
Water flow rate (L/min)	38L/min	50L/min	75L/min	100L/min
Unit dimensions L/W/H (mm)	766/305/575	976/372/602	976/372/602	1135/447/871
Weight unpacked/packed (kg)	36/43	56/65	58/67	89/102

* Heating: outdoor air temp (DB/WB): 27°C/24.3°C, water temp (in): 26°C ** Running Current Max: 43°C ambient heating / 29°C in cooling mode

PERFORMANCE WHERE IT COUNTS!
EvoHeat guarantees stable performance from as low as -7°C

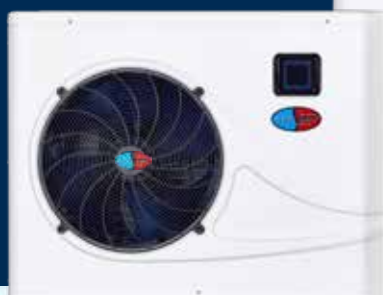


DOMESTIC

FORCE

SWIMMING POOL & SPA HEATERS

HIGH PERFORMANCE HEAT PUMP



THE EVO FORCE POOL HEATER RANGE WILL HAVE YOU SWIMMING NAUTICAL MILES BEYOND THE COMPETITION

The EVO Force Series heat pump is our high performance domestic pool and spa heat pump that provides the lowest running costs. EVO Force Series is built with high quality components from leading brand manufactures in the USA, Europe and Japan and designed to perform 365 days of the year under our harsh Australian weather conditions.

KEY FEATURES

- Extremely energy efficient with a C.O.P. of up to 6.57
- Available in 6 models, 9kW to 26kW
- Heating and cooling capability
- Compact sleek design
- Intelligent LCD touch screen controller
- Low noise fan blades
- Robust PVC cabinet
- Built in operational timer
- Electronic expansion valve (EEV2)
- Eco-friendly and safe R410a refrigerant
- Flow switch and high pressure cut out to ensure additional safety and protection
- Easy installation
- Horizontal airflow
- Designed to work with solar PV panels

SO MANY FEATURES, SO LITTLE COST!

EXCEPTIONAL PERFORMANCE & LOW OPERATING COSTS



With eternally fluctuating prices, don't gamble with a low efficiency pool heater.

The Force Series is a sure thing with a class leading C.O.P. of up to 6.57 (24°C air 26°C water (kW))

COMBINE YOUR POOL HEAT PUMP WITH A POOL BLANKET &/OR YOUR SOLAR PV FOR THE ULTIMATE ENERGY EFFICIENT POOL HEATING

HEATING & COOLING



Our heat pumps are 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!

VERY QUIET OPERATION



Our low noise fan blades ensures minimal operating noise which is ideal for you and your neighbours!

INTELLIGENT LCD TOUCH SCREEN

Designed with a intelligent LCD touch screen controller allowing full programmability. Maintain your water temperature to within 1/2 a degree while maintaining optimum heater operating performance!



EVO'S ADVANCED TECHNICAL FEATURES

TITANIUM HEAT EXCHANGER - The titanium thread heat exchanger ensures maximum heat transfer with the ultimate corrosion resistance, improving the heat transfer efficiency by up to 30% compared to standard heat exchangers!

ELECTRONIC EXPANSION VALVE 2 TECHNOLOGY - Electronic Expansion Valve 2 Technology is the absolute latest and the best possible refrigeration control system available on the market today. This results in a higher C.O.P. and improved efficiency of up to 20% compared to other commercial heater bands. **LOWER RUNNING TIMES = LOWER COSTS AND EXTENDED UNIT LIFE**

AUTOMATIC DEFROST - Evo Force Series heat pumps are designed with a four-way valve reverse defrost method. It provides automatic defrosting and allows the unit to work efficiently in ambient air temperatures as low as -7°C.

LATEST CORROSION PROTECTION TECHNOLOGY - Our Bluetec hydrophilic coating on the condenser fins is the latest technology in corrosion protection allowing your heat pump to maintain its high efficiency for many years to come.

EVO'S RIPPLE FIN HEATER TECHNOLOGY - The ripple fin heater technology increases the condenser surface area by 10-15%, producing greater energy collection while maintaining a compact design.

UPGRADE OPTIONS



SMART PHONE APP - Upgrade your EVO Force heat pump to include the EvoHeat smart phone controller app and control your pool heat pump via Wi-Fi. Available for iOS and Android, the smart phone controller app offers you an easy and convenient way to monitor and control your pool temperature anytime, anywhere.

DUAL SPEED FAN: Upgrade your EVO Force heat pump to include dual speed fans that allow you to run your heat pump during the night with even further reduced sound levels. Program your fans to reduce in speed at your nominated times allowing your heat pump to continue heating your pool while maintaining an appropriate sound level during the twilight hours.

MODEL	EVO Force 9	EVO Force 14	EVO Force 18	EVO Force 22	EVO Force 26	EVO Force 26-3
Heat output at 24°C air 26°C water (kW)	9.2	13.8	18.2	22	26	26
Heat output at 15°C air 26°C water (kW)	6.9	9.6	13.9	16.9	20	20
Cooling output at 35°C air 24°C water (kW)	6.1	7	11.3	15.2	17.6	17.6
Power input at 24°C air (kW)	1.5	2.1	3.0	3.6	4.3	4.3
Power supply	240/1/50	240/1/50	240/1/50	240/1/50	240/1/50	415/3/50
C.O.P. at 24°C air	6.13	6.57	6.07	6.11	6.05	6.05
*Max running current AMPS	9.2	14.2	19.3	22.9	28.2	9.5
Connection type	10 AMP	15 AMP	Hard wired	Hard wired	Hard wired	Hard wired
Compressor type	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll
Refrigerant	R410a	R410a	R410a	R410a	R407C	R410a
PVC water connection (mm)	40	40	40	40	40	40
Water flow rate (L/min)	50	75	100	125	150	150
Noise dB(A) at 1M	51	54	56	56	56	56
Unit dimensions L/W/H (mm)	956/372/600	956/372/600	1115/470/868	1003/455/1248	1003/455/1248	1003/455/1248
Weight packed/unpacked (kg)	60/47	68/54	99/84	136/117	136/116	136/115

*Running current max: 43°C ambient heating / 29°C in cooling mode ** R407C

PERFORMANCE WHERE IT COUNTS!

EvoHeat guarantees stable performance from as low as -7°C



DOMESTIC

DHP-R

SWIMMING POOL & SPA HEATERS

PREMIUM POOL HEATER

LOW AMBIENT PERFORMANCE



YOUR POWERFUL PREMIUM POOL HEATER

The EVO DHP-R Series heat pump is our premium domestic pool and spa heat pump designed with a host of features including a smartphone controller app, cutting edge intelligent touch screen controller and stainless steel cabinet. The EVO DHP-R Series is your long-distance, reliable and powerful swimming partner that offers exceptional value for money. The EVO DHP-R Series is a premium pool heater that will out-smart and out-perform any other pool heater in its class.

KEY FEATURES

- Extremely energy efficient with a C.O.P. of up to 5.4
- Available in 5 models, 9kW to 26.9kW
- Heating and cooling capability
- Smart phone controller app
- Latest cutting edge, intelligent full colour touch screen controller
- Low ambient air performance
- Stainless steel cabinet for the ultimate corrosion protection
- Dual defrost systems - reverse cycle and thermotec element
- Built in operational timer
- Electronic expansion valve (EEV2)
- Dual speed fans
- Flow switch and high pressure cut out to ensure additional safety and protection
- Eco-friendly and safe R410a refrigerant
- Easy installation
- Vertical airflow
- Designed to work with solar PV panels

WHEN ONLY THE BEST WILL DO...

EXCEPTIONAL PERFORMANCE & LOW OPERATING COSTS



The EVO DHP-R will save you thousands over the next decade with an industry leading C.O.P. of up to 5.4! (24°C air 26°C water (kW))

COMBINE YOUR POOL HEAT PUMP WITH A POOL BLANKET &/OR YOUR SOLAR PV FOR THE ULTIMATE ENERGY EFFICIENT POOL HEATING



SMART PHONE CONTROLLER APP

The EvoHeat smart phone controller app allows you to control your pool heat pump via Wi-Fi.

Available for iOS and Android, the smart phone controller app offers you an easy and convenient way to monitor and control your your pool temperature anytime, anywhere.



CUTTING EDGE FULL COLOUR TOUCH SCREEN CONTROLLER

Featuring an easy to use, intelligent full colour touch screen controller that allows you to monitor real time power consumption for the ultimate energy control!



STAINLESS STEEL CABINET

The EVO DHP-R stainless steel cabinet will ensure long term corrosion resistance.

LOW AMBIENT AIR PERFORMANCE

The DHP-R Series heat pump offers low running times because of its higher heat outputs when it counts.

DUAL SPEED FANS



The dual speed fan allows you to run your heat pump during the night with even further reduced noise levels.

The fan is able to operate on a lower RPM on a timer or ambient temperature basis.

* not available on the DHP-603R

DUAL DEFROST TECHNOLOGY



Our exclusive Thermotec Element Defrost technology and auto defrost system ensures your heat pump is defrosting less and heating more often, maximizing the heating capacity in colder weather when its needed the most.

EVO'S ADVANCED TECHNICAL FEATURES

TITANIUM HEAT EXCHANGER - The titanium thread heat exchanger ensures maximum heat transfer with the ultimate corrosion resistance, improving the heat transfer efficiency by up to 30% compared to standard heat exchangers!

ELECTRONIC EXPANSION VALVE 2 TECHNOLOGY - Electronic Expansion Valve 2 Technology is the absolute latest and the best possible refrigeration control system available on the market today. This results in a higher C.O.P. and improved efficiency of up to 20% compared to other commercial heater bands. **LOWER RUNNING TIMES = LOWER COSTS AND EXTENDED UNIT LIFE**

LATEST CORROSION PROTECTION TECHNOLOGY - Our Bluetec hydrophilic coating on the condenser fins is the latest technology in corrosion protection allowing your heat pump to maintain its high efficiency for many years to come.

EVO RIPPLE FIN HEATER TECHNOLOGY - The ripple fin heater technology increases the condenser surface area by 10-15%, producing greater energy collection while maintaining a compact design.

MODEL	EVO DHP-20R	EVO DHP-30R	EVO DHP-40R	EVO DHP-50R	EVO DHP-603R
Heat output at 24°C air 26°C water (kW)	9.7	14.0	19.0	23	26
Heat output at 15°C air 27°C water (kW)	8.0	11.5	15.5	20	23
Cooling output at 35°C air 24°C water (kW)	6	8.5	11	14	16
Power input at 24°C air (kW)	1.83	2.64	3.65	4.26	4.91
Power supply	240/1/50	240/1/50	240/1/50	240/1/50	415/3/50
C.O.P. at 24°C air	5.3	5.3	5.2	5.4	5.3
*Max running current AMPS	9.1	14	18.2	22.6	12.5
Connection type	10 AMP	15 AMP	Hard wired	Hard wired	Hard wired
Compressor type	Rotary	Rotary	Scroll	Scroll	Scroll
Refrigerant	R410a	R410a	R410a	R410a	R410a
PVC water connection (mm)	40	40	40	40	40
Water flow rate (L/min)	50	75	100	125	150
Noise dB(A) at 1M	51	54	56	58	58
Unit dimensions L/W/H (mm)	680/645/720	680/645/720	700/700/848	700/700/848	1015/735/1130
Weight packed/unpacked (kg)	75/65	88/78	113/110	118/111	178/151

*Running current max: 43°C ambient heating / 29°C in cooling mode.

PERFORMANCE WHERE IT COUNTS!

EvoHeat guarantees stable performance from as low as -7°C



- turn your heat pump on/off
- increase/decrease the temperature set-point
- set multiple timers
- record the last 30 days of pool heating data
- receive real time notifications
- allow remote access by a technician

EVOHEAT'S RANGE OF CS HEAT PUMPS ARE ENGINEERED TO MEET THE DEMANDS OF THE COMMERCIAL POOL INDUSTRY

The EVO CS & CS-GEN2 commercial heat pump is the most efficient way to heat a commercial pool regardless of size or location. EvoHeat offers 7 different CS heaters ranging from 38kW up to 200kW so choosing the heater that best suits your needs is simple!

Our commercial heat pumps are ideal for sports and leisure centres, aquaculture, agriculture, water parks, hotels, resorts, apartments and office builds – there is no job in the field too big for the EVO CS Series!

A tried and trusted commercial pool heater that's able to save businesses tens of thousands of dollars a year, you can expect innovative and intelligent commercial pool heating designed with forward thinking technology and high-end performance.

EVO C.O.P.'s are backed up by verified test reports in audited test laboratories, and we back our equipment to outperform the competition every time!

EVOHEAT'S CUSTOM MANUFACTURING DIVISION CAN BUILD SYSTEMS UP TO 3600KW HEATING CAPACITY

COMMERCIAL

CS

COMMERCIAL SWIMMING POOL & SPA HEATERS

**CLASS LEADING COMMERCIAL POOL
HEAT PUMP FROM 38KW - 57KW**



MOST ECONOMICAL YEAR ROUND POOL HEATING SYSTEM AVAILABLE

KEY FEATURES

- Extremely energy efficient with a C.O.P. of up to 5.38
- Available in 3 models, 38kW to 57kW
- Heating and cooling capability
- Intelligent digital controller and patented microprocessor system
- Dual defrost systems - reverse cycle and thermotec element
- Built in operational timer
- Electronic expansion valve (EEV2)
- V shaped evaporator
- Flow switch and high pressure cut out to ensure additional safety and protection
- Eco-friendly and safe R410a refrigerant
- Vertical airflow
- Designed to work with solar PV panels

C.O.P. EFFICIENCY



CS heaters have a C.O.P. that far exceed other commercial units. An EVO CS 47 swimming pool heat pump has a C.O.P. of 5.38 at 24 degree air and due to the EEV2 system is able to provide maximum performance in varying real world temperature changes that a TX valve simply cannot match.



CORROSION-RESISTANT POWDER-COATED GALVANIZED STEEL CABINET

The CS Series chassis is treated with Epoxy Plus powder coating to prevent corrosion.

* EvoHeat recommend upgrading to a 304 or 316 stainless steel chassis and cabinet for the ultimate corrosion resistance



EVO'S ADVANCED TECHNICAL FEATURES

TITANIUM HEAT EXCHANGER - The titanium thread heat exchanger ensures maximum heat transfer with the ultimate corrosion resistance, improving the heat transfer efficiency by up to 30% compared to standard heat exchangers!

ELECTRONIC EXPANSION VALVE 2 TECHNOLOGY - Electronic Expansion Valve 2 Technology is the absolute latest and the best possible refrigeration control system available on the market today. This results in a higher C.O.P. and improved efficiency of up to 20% compared to other commercial heater bands. **LOWER RUNNING TIMES = LOWER COSTS AND EXTENDED UNIT LIFE**

DUAL DEFROST SYSTEMS - Our exclusive Thermotec Element Defrost technology and auto defrost system ensures your heat pump is defrosting less and heating more often, maximizing the heating capacity in colder weather when its needed the most.

LATEST CORROSION PROTECTION TECHNOLOGY - Our Bluetec hydrophilic coating on the condenser fins is the latest technology in corrosion protection allowing your heat pump to maintain its high efficiency for many years to come.

EVO RIPPLE FIN HEATER TECHNOLOGY - The ripple fin heater technology increases the condenser surface area by 10-15%, producing greater energy collection while maintaining a compact design.

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.



MONOBLOC DESIGN AND COMPACT PIPING SYSTEM - EVO CS heat pumps are designed with the smallest footprint and size in mind and can be fitted to heat even the largest indoor or outdoor pools. Compare the unit footprint of the EVO CS with other units on the market.

DESIGNED FOR VERY HIGH FLOW RATES AND LOW PRESSURE DROPS - The CS Series is designed for very high flow rates and low pressure drops - this allows EVO's CS units to be directly connected to the filtration circuit and pump. The CS units have much lower resistance which means lower pumping costs even if connected to a pumped side stream configuration.

V SHAPE EVAPORATOR - The V shape evaporator is another space saving innovation which also assists with defrost performance and keeping the coil cleaner. As the fins are angled, water does not pool on the top surface as easily leading to fouling. The fin angle also provides a small efficiency boost as the air direction change is less than 90 degrees thus requiring less work from the fans to pull the air through the system.

CS IS AVAILABLE IN 38, 47 AND 57kW MODELS

MODEL	EVO CS38	EVO CS47	EVO CS57
Heat output at 24 deg air 26 deg water (kW)	38	47	57
Heat output at 15 deg air 26 deg water (kW)	31	40	48
Cooling output at 35 deg air 30 deg water (kW)	21.6	28.2	36
Power input at 24 deg air (kW)	7.04	9.3	12.8
Power supply	415/3/50	415/3/50	415/3/50
C.O.P. at 24 deg air	5.3	5.38	5.3
*Max running current AMPS	13.8	19.12	25.1
Compressor type	Scroll	Scroll	Scroll
Refrigerant	R410a	R410a	R410a
PVC water connection(mm)	50	50	50
Water flow rate(L/min)	200	250	325
Noise dB(A) at 2M	61	61	61
Unit dimensions L/W/H (mm)	1490/735/1130	1490/735/1130	1490/735/1130
Weight packed/unpacked (kg)	270/252	300/254	300/260

*Running current max: 43°C ambient heat /29°C in cooling mode

PERFORMANCE WHERE IT COUNTS!

EvoHeat guarantees stable performance from as low as -7°C



COMMERCIAL

CS-GEN2

COMMERCIAL SWIMMING POOL & SPA HEATERS

**CLASS LEADING COMMERCIAL POOL
HEAT PUMP FROM 95KW - 200KW**



**EVOHEAT'S CS-GEN2 RANGE OFFERS SUPERIOR TECHNOLOGY, HIGHER C.O.P.,
SAVING YOU MONEY AND CARBON EMISSIONS!**

KEY FEATURES

- Extremely energy efficient with a C.O.P. of up to 5.9
- Available in 4 models, 95kW to 200kW
- Heating and cooling capability
- Intelligent digital controller and patented microprocessor system
- Exclusive tariff + Timer System
- Dual defrost systems - reverse cycle and thermotec element
- Built in operational timer
- Electronic expansion valve (EEV2)
- Dual speed fans
- V shaped evaporator
- Flow switch and high pressure cut out to ensure additional safety and protection
- Eco-friendly and safe R410a refrigerant
- Vertical airflow
- Designed to work with solar PV panels

C.O.P. EFFICIENCY



CS-GEN2 heaters have a C.O.P. that far exceeds other commercial units.

An EVO CS200-GEN2 swimming pool heat pump has a C.O.P. of 5.79 at 24 degree air and due to the EEV2 system is able to provide maximum performance in varying real world temperature changes that a TX valve simply cannot match.

EXCLUSIVE TARIFF + TIMER SYSTEM



Available for the CS-GEN2, 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.

DUAL SPEED FANS



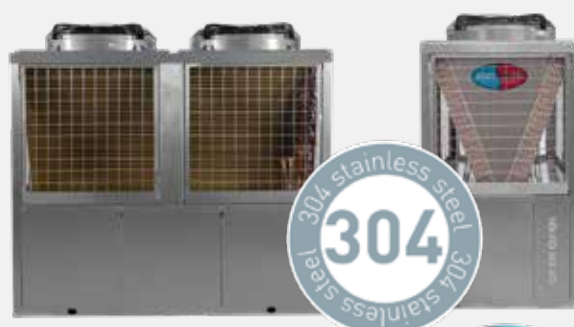
CS-GEN2 heat pumps have dual speed fans as a standard feature.

The fans are able to operate on a lower RPM on a timer or temperature basis. This allows the units, which are already very quiet, to become even quieter if required.

304 STAINLESS STEEL CHASSIS & CABINET

The CS-GEN2 now come supplied with a 304 stainless steel chassis and cabinet as a standard feature.

The 304 stainless steel chassis and cabinet will ensure long term corrosion resistance for many years to come!



EVO'S ADVANCED TECHNICAL FEATURES

TITANIUM HEAT EXCHANGER - The titanium thread heat exchanger ensures maximum heat transfer with the ultimate corrosion resistance, improving the heat transfer efficiency by up to 30% compared to standard heat exchangers!

ELECTRONIC EXPANSION VALVE 2 TECHNOLOGY - Electronic Expansion Valve 2 Technology is the absolute latest and the best possible refrigeration control system available on the market today. This results in a higher C.O.P. and improved efficiency of up to 20% compared to other commercial heater bands. **LOWER RUNNING TIMES = LOWER COSTS AND EXTENDED UNIT LIFE**

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.



DUAL DEFROST SYSTEMS - Our exclusive Thermotec Element Defrost technology and auto defrost system ensures your heat pump is defrosting less and heating more often, maximizing the heating capacity in colder weather when its needed the most.

LATEST CORROSION PROTECTION TECHNOLOGY - Our Bluetec hydrophilic coating on the condenser fins is the latest technology in corrosion protection allowing your heat pump to maintain its high efficiency for many years to come.

EVO RIPPLE FIN HEATER TECHNOLOGY - The ripple fin heater technology increases the condenser surface area by 10-15%, producing greater energy collection while maintaining a compact design.

MONOBLOC DESIGN AND COMPACT PIPING SYSTEM - EVO CS heat pumps are designed with the smallest footprint and size in mind and can be fitted to heat even the largest indoor or outdoor pools. Compare the unit footprint of the EVO CS with other units on the market.

DESIGNED FOR VERY HIGH FLOW RATES AND LOW PRESSURE DROPS - The CS Series is designed for very high flow rates and low pressure drops - this allows EVO's CS units to be directly connected to the filtration circuit and pump. The CS units have much lower resistance which means lower pumping costs even if connected to a pumped side stream configuration.

V SHAPE EVAPORATOR - The V shape evaporator is another space saving innovation which also assists with defrost performance and keeping the coil cleaner. As the fins are angled, water does not pool on the top surface as easily leading to fouling. The fin angle also provides a small efficiency boost as the air direction change is less than 90 degrees thus requiring less work from the fans to pull the air through the system.

ADVANCED CAM UPGRADE PACKAGE - The Advanced CAM Package (control and monitoring) is easy to integrate with the CS range and provides high level control, monitoring and reporting. The Advanced CAM Package gives you access to all the key metrics to not only operational performance but also to identify and/ or verify potential for any energy saving initiatives. Speak to EvoHeat for more information on this additional service.

CS-GEN2 IS AVAILABLE IN 95,120,145 AND 200kW MODELS

MODEL	CS95-GEN2	CS120-GEN2	CS145-GEN2	CS200-GEN2
Heat output at 24 deg air 26 deg water (kW)	95	120	145	190
Heat output at 15 deg air 26 deg water (kW)	80	103	120	160
Cooling output at 35 deg air 30 deg water (kW)	64	80	97	119
Power input at 24 deg air (kW)	16.1	21	25.5	32.8
Power supply	415/3/50	415/3/50	415/3/50	415/3/50
C.O.P. at 24 deg air	5.9	5.7	5.69	5.79
*Max running current AMPS	40	46	60	80.1
Compressor type	Scroll	Scroll	Scroll	Scroll
Refrigerant	R410a	R410a	R410a	R410a
PVC water connection(mm)	DN 110	DN 110	DN 110	DN 110
Water flow rate(L/min)	483	583	1033	1000
Noise dB(A) at 1M	61	62	63	67
Unit dimensions L/W/H (mm)	2170/1070/1920	2175/1070/2030	2175/1070/2030	2180/1070/2060
Weight packed/unpacked (kg)	679/644	694/648	709/664	1140/908

*Running current max: 43°C ambient heat /29°C in cooling mode.





ADD ON

J-BOX

AUTOMATED PUMP INTERFACE

SAVING TIME, ENERGY & MONEY!



A HANDY ADD-ON THAT ALLOWS YOUR HEAT PUMP TO TURN THE MAIN WATER PUMP ON OUTSIDE OF FILTRATION TIMES - SAVING TIME, ENERGY AND MONEY!

BENEFITS

- Easy to use
- Saves you money on running costs
- Set and forget
- No water balance issues
- Only require one water pump

SAVE TIME, ENERGY AND MONEY!

SAVE ON ENERGY COSTS & PURCHASE COSTS

Why buy a J-Box? It's simple - to save on energy costs and reduce your purchase costs. It's incredibly expensive to buy both a filter pump and heater pump, so why not combine the costs? Doing so will save you money and reduce your running costs! Simple to run and affordable for its entire lifetime - the EvoHeat J-Box makes complete sense!

The J-Box allows either the heater OR the chlorinator to supply power to turn the water pump on so each device can run independently of the other. Conversely, the J-Box allows both the chlorinator and heater to be running at the same time.

ENORMOUS ENERGY SAVINGS

Save up to \$1,000 per year on electricity with the EvoHeat J-Box. *Energy savings will depend on comparison with your current heating system, and operational settings i.e. how you use the heating system.

SET IT AND FORGET IT

The J-Box offers year round chlorination and heating for your pool, with no ongoing monitoring required.

CHLORINATION ISSUES ARE GONE

With standard chlorination settings there is no pH or chemical imbalances in your pool.

SIMPLE INSTALLATION:

All you need to do is get an electrician to hard-wire the J-Box to your heater and the rest is plug and play.

Note: Make sure you allow power requirements for the water pump that is on the same circuit as the heat pump.



YOUR HEATER INSTALL OPTIONS

ADVANTAGES

DISADVANTAGES

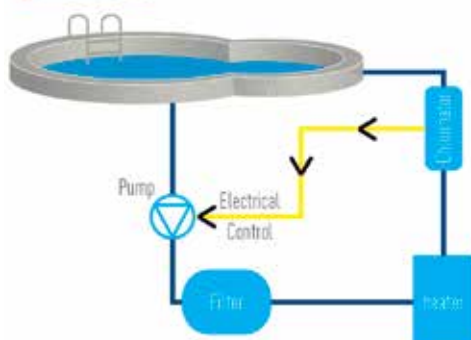
SLAVE MODE

Heater is connected to the filtration system but relies on water flow from the chlorinator for start and stop times.

- ✓ Only 1 pump required
- ✓ Better distribution of heat

✗ As the heater may need to run up to 18+hrs a day in winter the chlorinator will need to be adjusted to allow the pump to run longer. This can cause water chemical balance issues resulting from over or under chlorinating the pool. You will need to constantly monitor and adjust the chlorinator output to keep it at the required level.

SLAVE MODE



SEPARATE SYSTEMS

Heater runs on a dedicated circuit to the filtration system.

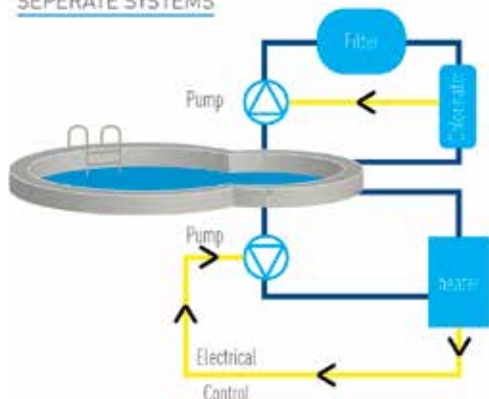
- ✓ Easy to use – set and forget the heater operation and leave your chlorinator to work as normal

✗ Purchase of 1 extra water pump at up to \$800+

✗ Electrical use from this pump could add up to over \$1,000 per year

✗ Generally a less uniform heat spread throughout the pool.

SEPERATE SYSTEMS



- ✓ No water balance issues due to adjusting the chlorinator running time

EVOHEAT J-BOX

Heater is connected into the filtration plumbing. After installing the EvoHeat J-Box and having your electrician hard wire the J-Box to the heater, simply plug the water pump into the J-Box and plug the J-Box into the Chlorinator.

- ✓ Only 1 pump needed – savings up to \$800+ on purchase and ongoing running costs

✓ NONE!!

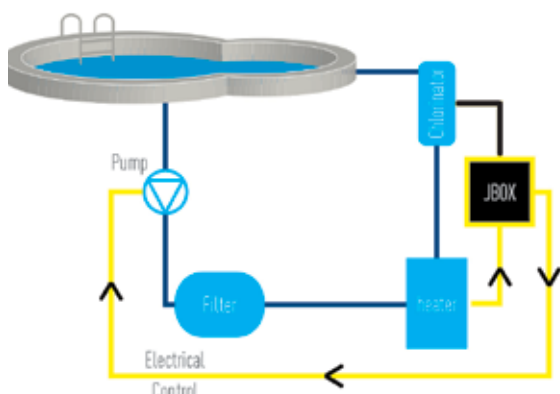
- ✓ Save up to \$1,000 per year on electricity

- ✓ Easy to use – set and forget the heater operation and leave your chlorinator to work as normal

- ✓ No water or chemical balance issues due to adjusting the chlorinator running time

- ✓ Better distribution of heat

EVO JBOX



ORDER AN EVOHEAT J-BOX WITH YOUR EVOHEAT HEAT PUMP AND RELAX IN YOUR POOL WHILE MAXIMISING THE SAVINGS!





DEHUMIDIFIER

SOLACE DOMESTIC

WARMER, DRIER AIR



IF YOUR POOL IS LOCATED INDOORS IT COULD BE COSTING YOU FAR MORE TO OPERATE THAN YOU THINK!

Solace Domestic removes up to 104 litres of moisture from an indoor pool room a day. Indoor pools without correct ventilation or dehumidification can lead to many issues such as; corrosion damage to building components and fittings, lower comfort levels due to high humidity, poor health due to high chemical concentration in the air, mouldy and musty odours and high operating costs due to supplying fresh cold air into the building to combat the above problems.

The Solace Domestic Dehumidifier is the solution:

BENEFITS

- Warmer, dryer air
- Improved air conditions
- Reduced running costs
- Improved comfort levels
- Improved health and safety conditions

WARMER DRIER AIR

The Solace Domestic dehumidifier is designed to remove the moisture from the air in the room without losing the warmth contained within. The warm moist air is drawn through the base of the unit and passes over a cold coil to remove the moisture and chemicals. The air then passes through a hot coil which replaces and increases the heat in the air. The result = warmer drier air.

SIMPLE TO INSTALL AND OPERATE

The Solace Domestic dehumidifier is designed to be simple to install, operate and maintain. Simply mount the Solace unit onto a wall in the pool room, plug the unit into an available power point and direct the drain water back into the pool. Set your desired humidity level and leave the Solace to do the rest – its that easy!

Depending on the size of the room and intended usage more than one Solace Domestic unit may be required. Simply install in the same fashion as the first unit.

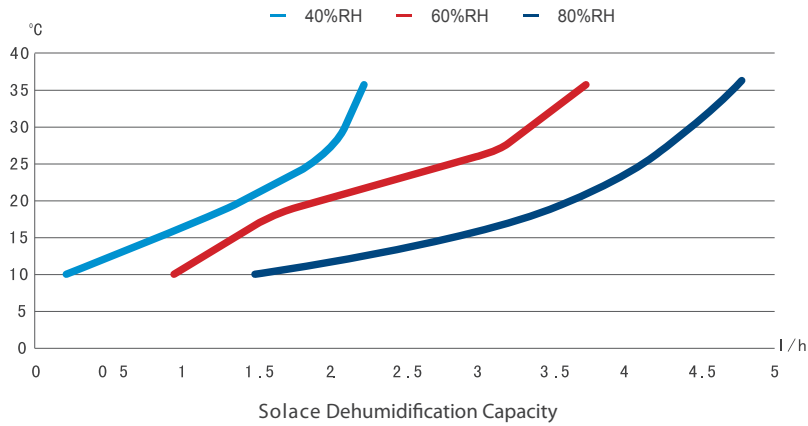
QUIET OPERATION

The Solace Domestic is whisper quiet and extremely compact – you won't even know its there.

**FOR COMMERCIAL DEHUMIDIFICATION APPLICATIONS PLEASE REFER TO THE
EVOHEAT COMMERCIAL DEHUMIDIFICATION CATALOGUE**



MODEL	UNIT	Solace
Rated Capacity at 80%RH - 32°C air	L/h	4.3
Air Volume	m³/h	750
Noise Level dB(A)	dB(A)	47
Rated Voltage/Freq	/	220-240V~/50Hz
Rated Power Input	kW	1.55
Rated Running Current	A	6.7
Max Power Input	kW	2.1
Max Running Current	A	9.1
Relative Humidity	%RH	40-100
Temperature	deg °C	10-36
Shipping Dimensions (L/W/H)	mm	1545x240x820 mm
Net Weight	kg	80
Refrigerant/Volume Operation	/	R410a/1050g
Pressure (High Side)	MPa	4.4
Pressure (Low Side)	MPa	2.1
Condensation Pipe Diameter	mm	16



SOLACE DOMESTIC WILL MAINTAIN INDOOR POOL ROOM COMFORT LEVELS IN ROOMS UP TO 300 m3*





COMPANY PROFILE

At EVO we strive for development and change, a constant progression in our products and systems.

Everything starts with the right advice. Our focus is on you, and your exclusive heating needs.

Our overriding principle has always been to excel in introducing the latest technology,

What is exclusive to EvoHeat is exclusive to you!

Products made to the highest standard – materials like titanium, 304 stainless steel and environmentally responsible R410a refrigerant.

PEACE OF MIND IS A STANDARD FEATURE

EvoHeat is 100% Australian owned and is a leading specialist supplier of heat pumps for domestic and commercial pool applications. EVO's custom manufacture division can supply swimming pool heat pumps and chillers for commercial applications exceeding 3600 kW output.

EVO technology leads the world in energy savings and environmental responsibility. We care for our environment!. EVO is registered under the Australian Government's Ozone Protection and Synthetic Greenhouse Gas Act.

EVO has the product range and the capability to supply even the largest liquid heating and cooling requirements. Applications as diverse as domestic and commercial hot water, industrial water heating and cooling, aquaculture and agriculture are met with a complete range of products that exceed client expectations every time.



EvoHeat

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www.evoheat.com.au

ISO9001

ROHS



CB

CE



■ EMCertified
■ Production accredited