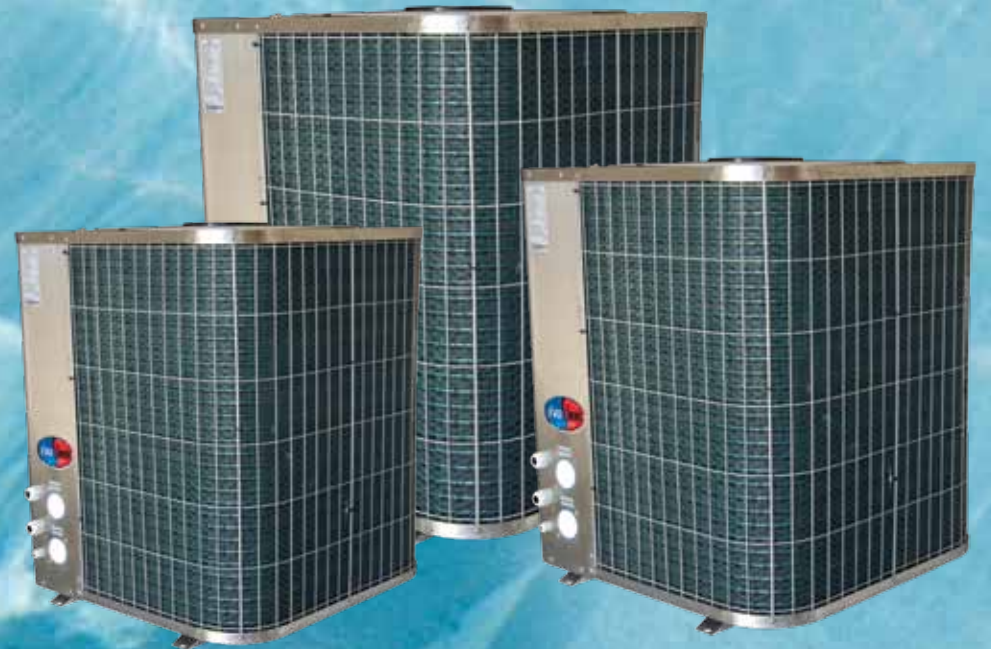


Pool too Cold to Swim?
Turn up the heat



EVO HEAT *advanced technology for peak performance*

Company Profile

Evoheat is 100% Australian Owned and is a leading specialist supplier of heat pumps for domestic and commercial pool applications and domestic, commercial and industrial space heating and cooling applications using air-to-water, air-to-air, solar and groundwater technologies. Our parent company produces over 60,000 heat pumps annually and employs more than 50 engineers and R&D personnel developing new products and improving current designs within a strict quality control environment.

EVO technology features double coil titanium heat exchangers, premium brand Sanyo and Copeland compressors, automatic reverse cycle defrost and intelligent digital remote controllers that maintain water temperature to within 1°C of the set point. Every EVO heat pump is rigorously tested at the factory through each operating phase prior to shipment and is backed by industry leading warranty, service and parts back up.

EVO technology leads the world in energy savings and environmental responsibility. We care for our environment and use only zero depletion rated R407c refrigerant. 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 requirement for applications as diverse as domestic and commercial hot water, industrial water heating and cooling, aquaculture and agriculture applications and other specialist requirements.



www.evoheat.com.au

Evoheat advanced technology WILL save you thousands of dollars on your pool heating or cooling costs each year. EVO Heat Pumps offer the most advanced and energy-efficient method of on-demand heating or chilling available. EVO Heat Pumps are up to 500% efficient. 1kw of electricity can generate in excess of 5kw of heat.

Typical savings achieved using EVO Heat Pumps

SPA HEATING

Evoheat savings exceed **\$1500** a year on a 5000-litre spa running 24/7 when compared to gas.

Evoheat savings exceed **\$2800** a year on a 5000-litre spa running 24/7 when compared to electric element heating.

DOMESTIC POOL HEATING

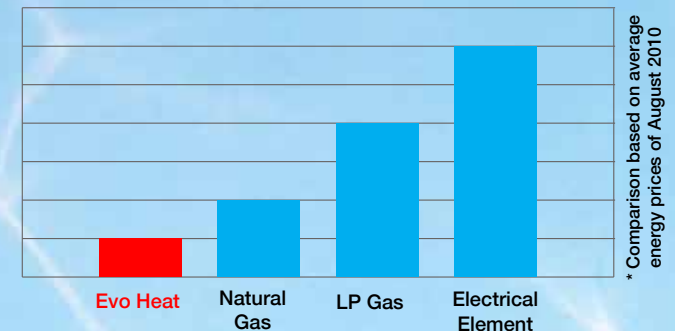
Evoheat savings exceed **\$6500** a year on an 80,000-litre pool at 30 degrees when compared to gas.

COMMERCIAL POOL HEATING

Evoheat savings exceed **\$45,000** a year on an Olympic pool at 27 degrees when compared to gas.

EVO saves money on running costs and reduces your carbon emissions.

\$avings of over 50% vs natural gas, and even greater on alternative energy sources.



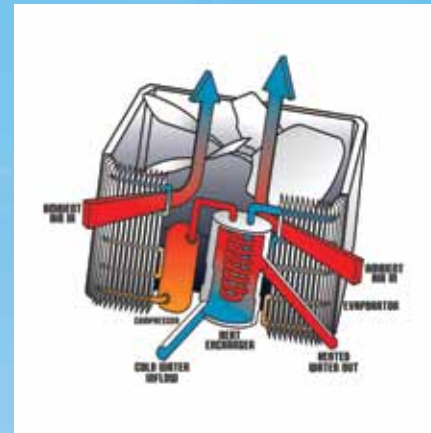
EVO HEAT

pool heaters are the only choice ...

Designed to operate in the harsh Australian climate, EVO'S superbly efficient heat pumps are available to meet the special demands of Australian Pools, regardless of size or location. EVO heat pumps are perfect for new and existing installation. We invite you to compare the performance, reliability and costs to the alternatives such as electric element and gas.

The technology behind EVO heat pumps...

- EVO Heat Pumps extract latent heat from the atmosphere and, using a compressor, generate superheated gas that transfers heat to the pool water via a patented double titanium coil heat exchange system.
- EVO Heat Pumps generate more heat in warmer temperatures but will operate down to minus 10 degrees C.
- EVO Heat Pumps are up to 500% efficient. 1KW of electricity can generate in excess of 5KW of heat for your pool.



Accurately Evaluating Your Pool Heating Requirements.

EVO can perform an evaluation of every pool enquiry using the latest version of the "Poolheat" computer evaluation program.

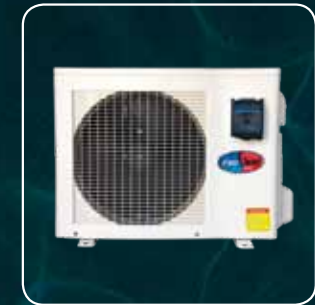


The "Poolheat" program, which is in accordance with AS3634, was developed by the University of NSW Mechanical Engineering Department and the CSIRO, and is considered by the industry to be the premium pool-heating evaluation program currently available. EVO computer modelling software ensures we can accurately select the correct heater for your pool.

Customer satisfaction is critical to Evoheat. EVO heat pumps are installed at commercial, community and domestic locations across Australia and have a reputation for value, reliability and ease of operation second to none. For a no-charge, obligation-free evaluation of your pool-heating requirements contact your local EVO dealer today, or visit www.evoheat.com.au

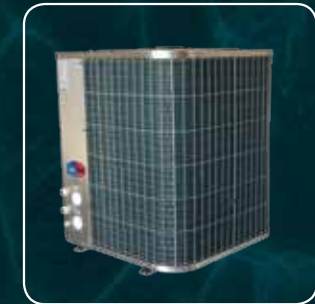
Force5

for Spas and small pools



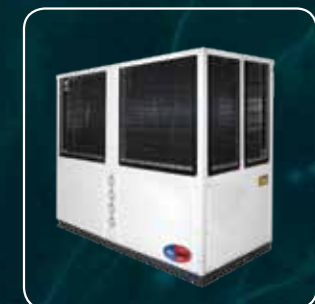
DHP range

for Domestic Pools



CS Series

for Commercial and Olympic Sized Pools





FORCE5

ENJOY A HOT SPA EVERY DAY OF THE YEAR WITH THE FORCE5



Enjoy the luxurious warmth of your spa morning, afternoon or night EVERY day of the year for the cost of 2 cups of coffee a week!

The Evo Force5 also performs extremely well on smaller pools and swim spas, allowing you to swim any day of the year.

HEAT YOUR 2000L SPA TO 38 DEGREES 24/7 FOR LESS THAN \$10/WEEK*
HEAT YOUR 16000L POOL TO 27 DEGREES 24/7 FOR LESS THAN \$15/WEEK*

Unique Features

- Compact design with attractive corrosion-free cabinet
- Titanium Heat Exchanger
- Barrel union PVC fittings for easy water connection
- Simple to use LED Knob controller
- Temperature control to within 1 degree
- Heat or cool your pool/spa – from 8 degrees to 40 degrees
- Automatic Defrost cycle comes standard
- Hydrophilic coated condenser coil resists corrosion and pollution
- Built-in safety protection devices – Flow Switch and High Pressure cutout
- Every unit fully tested prior to shipment
- AUTO mode – set your desired swim temp and let the heater do the rest

“After recently suffering a serious back injury my doctor advised daily heated spa treatments to aid my recovery. My spa pool is heated by an EVO Force 5 heater which keeps my spa continuously at temperature. The Force 5 performs beautifully, well above my expectations, and very economical to run. This has resulted in a real improvement to my wellbeing. I could not be happier with the advice and service I have received from the people at EVO and would recommend them to anyone”.

PATTY – PERTH WA.

*Based on average energy costs at August 2010

www.evoheat.com.au

FORCE 5 POOL/SPA HEATER

| | |
|--|-------------------|
| Heater Capacity | 5kW |
| Power Supply V/Ph/Hz | 240/1/50 |
| Compressor | 1 rotary |
| Water Flow Volume | 35L/min |
| Net Dimensions L/W/H | 810mm/350/560mm |
| Shipping Dimensions L/W/H | 805mm/380mm/590mm |
| Running Current | 4.37A |
| Power Input | 1.2kw max |
| Fan Input | 75W |
| Fan Speed | 870rpm |
| Air Flow Direction | Horizontal |
| Heat Exchanger | Titanium PVC |
| Noise dB(A) | 47 |
| Water Connection (mm) | DN40 |
| Water Pressure Drop (kPa) | 8 |
| Net/Gross Weight | 40kg/42kg |
| Heating: Ambient Temp 24/19 deg C, Inlet Water Temp 27 deg C | |





DHP

**THE PREMIUM
DOMESTIC POOL HEATER
WHEN ONLY THE BEST WILL DO**

Pool too cold to swim? Turn up the heat and swim all year round with EVO's class leading DHP Range.

EVO'S DHP range was designed from the ground up to be the best – period. With new Cleanline stainless chassis and commercial quality control and refrigerant systems, the DHP will outperform the competition every time. Don't settle for an also-ran heat pump. Insist on an Evo DHP.

UNIQUE FEATURES

- New Cleanline Stainless Steel Chassis
- Dual Coil Titanium Heat Exchanger for optimum efficiency
- Commercial quality components
- Whisper quiet – you won't even know it's running
- Up to 600% more efficient than other heating methods

Complete control at the touch of a button....

- The Exclusive Evoheat remote LCD control comes standard on all DHP and CS Heaters
- Multiple setup options giving you total control
- Set and Forget – You set the temperature you want. EVO does the rest with complete control of the water circulation system
- Programmed Options – Allows you to select the start and stop operation times
- Integrated Operation – Operation of the filter pump controls the heater start and shutdown timing
- Advanced Control & Diagnostics Operation
- Supplied with 10m Lead for flexible mounting location



*ON THE TITANIUM TUBING REGARDLESS OF WHETHER CHLORINE, SALT, BROMINE OR EVEN SEA WATER IS USED.

DHP DOMESTIC POOL HEATER

| MODEL | | DHP20 | DHP30 | DHP40 | DHP50 | DHP601 | DHP603 |
|---|------------------------------------|-------------|----------|-------------|----------|----------|----------|
| Recommended Max Pool Size | Litres | 20,000 | 30,000 | 40,000 | 50,000 | 60,000+ | 60,000+ |
| HEAT OUTPUT MAX | KW | 11.3 | 16.0 | 18.9 | 26 | 32.5 | 32.5 |
| Heat Output @ 24°C Air | KW | 10.1 | 13.2 | 17.8 | 21.3 | 25.0 | 25.0 |
| Heat Output @ 16°C Air | KW | 7.5 | 10.5 | 16 | 17.8 | 21.5 | 21.5 |
| Power input @ 24°C Air | W | 1800 | 2600 | 3500 | 43000 | 5000 | 5000 |
| Efficiency @ 24°C Air | COP | 5.6 | 5.1 | 5.1 | 5.0 | 5.0 | 5.0 |
| Running Current | | 7.7 | 11.8 | 15.9 | 19.5 | 22.7 | 18.3 |
| Circuit Breaker | A | 15 | 25 | 30 | 40 | 45 | 20 |
| Power Requirements | V/Pn/Hz | 240/1/50 | 240/1/50 | 240/1/50 | 240/1/50 | 240/1/50 | 415/3/50 |
| Compressor Type | | Rotary | Rotary | Scroll | Scroll | Scroll | Scroll |
| Heat Exchanger | Double Titanium Coil in PVC Barrel | | | | | | |
| Refrigerant | R407c Gas | | | | | | |
| Noise Level | dB(A) | 51 | 54 | 56 | 58 | 58 | 58 |
| Water Connection | mm | 50 | 50 | 50 | 50 | 50 | 50 |
| Optimum Water Flow | Litres / min | 50 | 75 | 100 | 126 | 150 | 150 |
| Dimensions L/W/H | mm | 580/545/750 | | 650/650/880 | | | |
| Weight Net / Gross | Kg | 61/66 | 66/71 | 66/71 | 100/110 | 106/116 | 118/128 |
| EVOHEAT RECOMMEND USING A POOL COVER ON ANY POOL THAT IS HEATED | | | | | | | |

"The pump does exactly what it says on the tin, what has surprised me is exactly how easy it is to use, the customer service I have received from Evo Heat has been nothing short of sensational. If anyone is looking at getting a heat pump for their private pool I would recommend Evo Heat in a flash. Great job guys and thank you."

JASON HICKEY - PRIVATE OWNER, COFFS HARBOUR NSW

www.evoheat.com.au



CS

CLASS LEADERS IN
COMMERCIAL PERFORMANCE
AND DEPENDABILITY



EVO's range of CS Heat Pumps are engineered to meet the demands of the Commercial Pool Industry. EVO CS Commercial Heat Pumps are the most efficient way to heat a commercial pool regardless of size or location. EVO offer 5 different heaters ranging from 45kW up to 220kW so choosing the heater that best suits your needs is simple. In addition, EVO CS heaters are modular and multiple units can be fitted to heat even the largest indoor or outdoor pool.

Featuring double coil titanium heat exchangers, premium performance Sanyo or Copeland compressors and patented super high volume "Maxflo" condensers with "Bluetek" hydrophilic coated fins, EVO's CS Series Commercial Heat Pumps are super efficient in a heavy use commercial situation.

EVO's precision-built Intelligent Digital Controller and patented microprocessor systems maintain water temperature to within 1 degree C of the set point while maintaining optimum heater operating performance. This control system enables you to predefine different temperatures and control parameters under all conditions ensuring lowest possible operating cost. Every EVO CS Series heater has a built-in automatic customisable defrosting program to ensure efficient operation in all conditions, and CS offers both heating and cooling with an automatic mode to switch from one to the other according to the set water temperature. EVO engineered heat pumps are contained in a corrosion-proof powder-coated galvanized steel cabinet while the chassis is treated with "Epoxy Plus" powder coating to ensure the highest possible level of corrosion proofing. A stainless steel chassis and cabinet option is also available.

Transport, installation and maintenance are simple due to EVO's monobloc design and compact piping system.

EVO heat pumps are installed at commercial, community and domestic locations across Australia and have a reputation for value, reliability and ease of operation second to none. We look forward to achieving optimum performance outcomes for our clients. For further information, contact your local EVO agent or visit www.evoheat.com.au

"My Evo Heat CS unit is fantastic. What really blew me away was the level of exceptional customer service which the guys at EVO provided. From the moment I placed the order right through to final installation they have taken care of everything without delay. I cannot recommend them enough."

BRETT - OWNER, THE SWIM FACULTY, QLD



- HOTELS / RESORTS
- WATER PARKS
- COMMUNITY / SPORTING CENTRES
- AQUACULTURE
- AGRICULTURE



Heat Pump vs Electric Element

A CASE STUDY*

A large resort on the Gold Coast was running both their outdoor spa and pool on electric element heaters at a cost of over \$23,000 per year. EVO was able to show that by installing a CS55 Heater on the Pool and DHP30 heater on the Spa they would be able to save almost \$19,000pa in running costs! Initial capital cost of equipment was factored in and the ROI (Return on Investment) was still less than 18 months. Projected savings over 5 years were shown to be \$71,550 and over 10 years \$170,200.

Heat Pump vs Natural Gas

A CASE STUDY*

An emergency services installation located in Melbourne required the heating of 2 very large tanks in a training centre. EVO modelled the running costs of gas heaters against EVO CS heaters. Gas running costs of \$17,215pa were projected using Poolheat. By installing an EVO CS105 heat pump running on off-peak power EVO was able to project savings of over \$11,958pa, providing a Return on Investment of approximately 36 months. Projected savings over 5 years were shown to be \$21,790 and over 10 years \$81,580.

*The case studies shown above are based on actual evaluations performed using firm energy price data at the time. For a copy of the details, or to see details of your company's possible pool heating savings, contact your local Evoheat dealer or go to www.evoheat.com.au

TECHNICAL DATA

| MODEL | | CS45 | CS55 | CS90 | CS105 | CS220 |
|---------------------------------------|-------------------|-----------------|---------------|---------------|----------------|----------------|
| Heating Capacity | kW | 45 | 55 | 90 | 105 | 220 |
| | BTU/h | 153,000 | 187,000 | 306,000 | 257,000 | 748,000 |
| Cooling Capacity | kW | 30 | 42 | 58 | 78 | 155 |
| | BTU/h | 102,000 | 143,000 | 200,000 | 266,000 | 525,000 |
| Heating Power Input | kW | 9.0/9.3 | 11.6/12.8 | 17.5/18.8 | 22.8/25.1 | 40.8/44.0 |
| Running Current | A | 16.1/16.6 | 20.7/22.8 | 31.2/33.5 | 40.3/44.7 | 84.0/84.0 |
| Power Supply | V/Ph/Hz | 380~400/3/50 | | | | |
| Compressor Number | | 2 | 2 | 3 | 4 | 4 |
| Compressor | | Scroll | | | | |
| Heat Exchanger | | Titanium in PVC | | | | |
| Fan Number | | 2 | 2 | 3 | 2 | 4 |
| Fan Power Input | W | 200x2 | 200x2 | 200x3 | 550x2 | 550x4 |
| Fan Rotate Speed | RPM | 850 | 850 | 850 | 870 | 870 |
| Fan Direction | | Vertical | | | | |
| Noise | dB(A) | 61 | 61 | 62 | 62 | 67 |
| Water Connection | mm | 53 | 63 | 75 | 110 | 110 |
| Water Flow Volume | m ³ /h | 15 | 19.5 | 28 | 35 | 60 |
| Water Pressure Drop | kPa | 15 | 15 | 16 | 16 | 25 |
| Main Unit Net Dimensions (L/W/H) | mm | 1450/730/1080 | 1450/730/1280 | 2150/764/1330 | 2000/900/1820 | 2850/1108/2220 |
| Main Unit Shipping Dimensions (L/W/H) | mm | 1550/800/1200 | 1550/800/1400 | 2275/900/1500 | 2150/1020/1980 | 3000/1408/2400 |
| Net Weight / Shipping Weight | Kg | 250/280 | 260/290 | 510/570 | 820/880 | 1100/1140 |

SPACE HEATING AND COOLING SOLUTIONS



AC series

COMMERCIAL AND DOMESTIC HOT WATER



CHV / CHV Polaris



HH series



DS series



GW series

HEATING AND COOLING SOLUTIONS FOR MINING, AGRICULTURE, AQUACULTURE



CHV / CHV Polaris



HH series



DS series

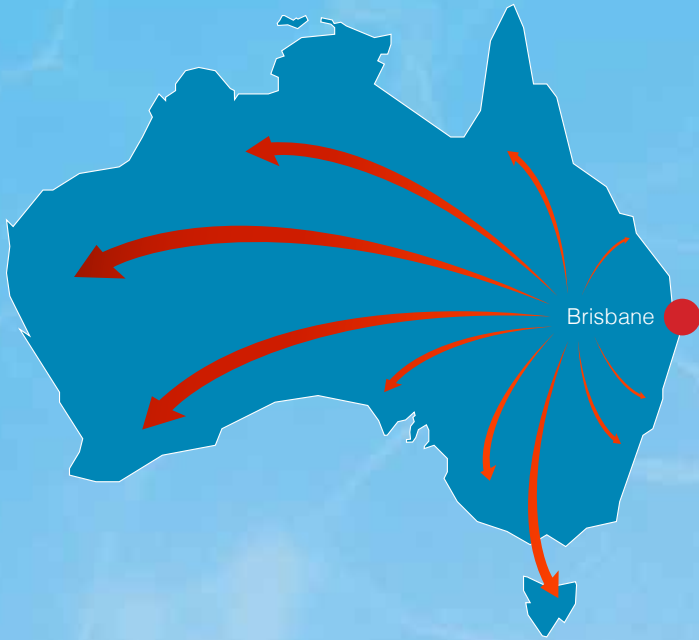


GW series

SOLAR



PS series



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ISO9001 ROHS



EMC certified
 Production accredited

