

# POOL TOO COLD TO SWIM? TURN UP THE EVO HEAT



15 YEAR\*  
warranty

POOL HEATING CATALOGUE 2012 - 2013

# THE ULTIMATE IN POOL HEATING

OUR PASSION IS TO ALLOW YOU TO ENJOY THE NUMBER 1 ITEM  
THAT MAKES YOUR HOUSE LIKE A RESORT.....YOUR POOL!

EVOHEAT....Pool heaters that are innovative and always intuitive to use.

Simply, the latest Evoheat range is a quantum leap in the evolution of pool heating.

We provide the optimum balance between ease of use, with our unique wireless control tablet, and advanced performance through high rate compressors.

## AREN'T THE MOST IMPORTANT THINGS IN YOUR LIFE CUSTOM MADE OR FITTED?

EVO are the masters in tailoring the correct model to your unique pool and conditions. EVO's Custom **V5** Tailored Pool Evaluation program is essential and removes the guess work in you achieving the ultimate pool temperature all year round!.

EVO technology leads the world in energy savings and environmental responsibility. We care for our environment and use only zero depletion rated R410a refrigerant. Evo is registered under the Australian Government's Ozone Protection and Synthetic Greenhouse Gas Act.

EVO's engineers have developed the most advanced dual defrost systems. Simply the best in its class for cold weather performance which 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 pool 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 with \$savings of over 50% vs natural gas, and even greater on alternative energy sources.



### EVO CLASS LEADING WARRANTY

15 Years	on Titanium tubing	2 Years	Parts
5 Years	on Compressor	1 Year	on Site Labour** (force5 back to base)



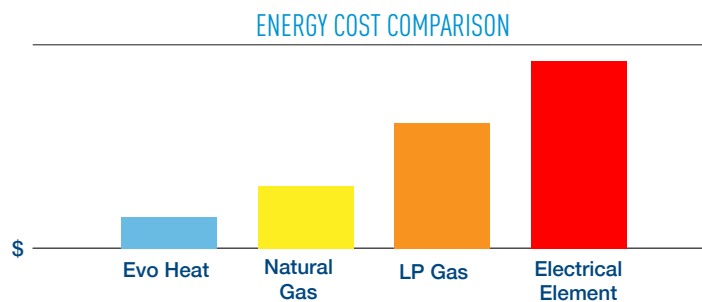
# NEW TECHNOLOGY, NEW INNOVATIONS, NEW MODELS = LOWER RUNNING COSTS!

EVO'S 2012-2013 POOL HEATING RANGE WITH 3 BRAND NEW MODELS  
OFFERS AN EVEN BETTER POOL HEATER SELECTION THIS SEASON!

NEW MODEL DHP 603-R WITH "V" FORMATION CONDENSER  
NEW MODEL CS 38  
NEW MODEL CS 138

- EVO'S New Range Offers up to 15% Improved Performance
- EVO'S Full Colour Touch Screen Wireless Remote Controller ... Control your heater from anywhere up to 100 metres away
- Electronic Expansion Valves .... for higher performance in cooler weather
- New EVI High Rate Compressors with R410 Refrigerant .. increased efficiency with running costs reduced by up to 15%
- "V" Formation Condensers .. Superior defrost capability for longer run time without defrosting
- Dual Defrost Systems .... Reverse cycle and Thermotec systems for best in class cold weather capability
- Higher Rating CoEfficiency of Performance (COP) ..... Exceeds 4.6 at 15 degree air on DB for lower running costs
- Constant Temperature Control.... CTC Automatically switches from Heat to Cool mode (or vice versa) to maintain constant set temperature

EVO'S LATEST HEATING TECHNOLOGY WILL SAVE YOU MONEY IN ENERGY  
AND OPERATING COSTS WITH THE ADDED BENEFITS OF EXTENDED HEATER SERVICE LIFE AND  
LOWER CARBON EMISSIONS!



\* Comparison based on average energy prices of August 2011



# 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, exceptionally 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 10000L Pool to 27 degrees 24/7 for less than \$15/week\*



AAA Energy  
Efficient

Environmentally  
Responsible  
Systems

Turnkey  
Solutions  
Efficient

## 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 2011





#### 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	

#### DID YOU KNOW?

Most aboveground spas use an electric element heater which is 4-500% more expensive than Force 5 to run!



# 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.**

Ask our opposition if they offer Evo's features on their models...



AAA Energy  
Efficient

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Systems

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Solutions  
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## 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 wireless colour remote LCD control comes standard on all DHP models
- 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
- Each unit also has a LCD touch screen controller mounted on the unit





MODEL	DHP20-R	DHP30-R	DHP40-R	DHP50-R	DHP603-R
Heat Output at max ambient (43 deg air) 27 water (kw)	11.5	17.0	22.5	27.5	31
Heat Output at 24 deg air 27 deg water (kw)	9.7	14.0	19.0	23	26
Heat Output at 15 deg air 27 deg water (kw)	8.0	11.5	15.5	20	23
Cooling Output at 35 deg air 30 deg water (kw)	6	8.5	11	14	16
Power Input at 24 deg 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
COP at 24 deg air (220 volts single phase & 380 volts 3 phase)	5.3	5.3	5.2	5.4	5.3
Max/Normal Running Current	9.1/7.7	14/11.8	18.2/15.9	22.6/19.5	12.5/8.3
Recommended circuit breaker size	15	25	30	40	20
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	51	54	56	58	58
Shipping dimensions (mm)	600/575/970	600/575/970	765/735/970	765/735/970	1095/815/1270
Unit dimensions(mm)	580/545/750	580/545/750	650/650/880	650/650/880	1015/735/1130
Weight packed/unpacked(kg)	75/65	88/78	113/98	118/103	178/153

FEATURES	DHP20-R	DHP30-R	DHP40-R	DHP50-R	DHP603-R
Electronic Expansion Valve	y	y	y	y	y
Dual Defrost System Thermotec & Reverse Cycle	y	y	y	y	y
Colour touch screen wireless controller with docking station	y	y	y	y	y
LCD touch screen controller	y	y	y	y	y
Low db fan blades	y	y	y	y	y
V Formation evaporator	n	n	n	n	y
Stainless Cabinet	y	y	y	y	y



# CS

Class Leaders in Commercial Performance and Dependability

- Hotels / Resorts
- Water Parks
- Community / Sporting Centres
- Aquaculture
- Agriculture

"Our Evo CS pool heaters are fantastic, we use them in all our swimming centres. What really blew me away was the level of exceptional customer service which the guys at EVO provided. From the moment I place the order right through to final installation they take care of everything without delay. I cannot recommend them enough."  
Brett Hottes - Managing Director, The Swim Faculty, QLD



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 7 different heaters ranging from 38kW 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 featuring dual thermotec and reversecycle systems 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](http://www.evoheat.com.au)







MODEL	CS38	CS47	CS57	CS92	CS109	CS138	CS220
Heat Output at max ambient (43 deg air) 27 water (kw)	42	54	66	108	126	162	264
Heat Output at 24 deg air 27 deg water (kw)	38	47	57	92	109	138	220
Heat Output at 15 deg air 27 deg water (kw)	30	40	48	80	95	120	160
Cooling Output at 35 deg air 30 deg water (kw)	24	32	43	60	80	98	150
Power Input at 24 deg air (kw)	7.04	8.74	10.75	17.69	21.37	26.04	43.14
Power supply	415/3/50	415/3/50	415/3/50	415/3/50	415/3/50	415/3/50	415/3/50
COP at 24 deg air (220 volts single phase and 380 volts 3 phase)	5.4	5.38	5.3	5.2	5.1	5.3	5.1
Max/Normal Running Current	13.8/11.5	20.0/16.6	25.0/22.8	37.5/33.5	48.0/44.7	54.7/47.8	100.0/84.0
Compressor type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Refrigerant	R410a	R410a	R410a	R410a	R410a	R410a	R407c
pvc water connection(mm)	50	50	50	60	DN110	DN110	DN110
Water flow rate(L/min)	200	250	325	500	580	750	1000
Noise	61	61	61	62	62	62	67
Shipping dimensions (mm)	1570/815 /1270	1570/815 /1270	1570/815 /1270	2275/900 /1500	2310/1250 /2100	2200/1180 /2060	2280/1180 /2220
Unit dimensions(mm)	1490/735 /1130	1490/735 /1130	1490/735 /1130	2150/784 /1330	2170/1070 /1930	2050/900 /1820	2180/1080 /2060
Weight packed/unpacked(kg)	270/244	295/270	325/300	405/380	675/655	850/825	1140/1100

FEATURES							
Electronic Expansion Valve	y	y	y	y	y	y	y
Dual Defrost System Thermotec & Reverse Cycle	y	y	y	y	y	y	y
Colour touch screen wireless controller with docking station	n	n	n	n	n	n	n
LCD touch screen controller	y	y	y	y	y	y	y
Low db fan blades	y	y	y	y	y	y	y
V Formation evaporator	y	y	y	n	y	y	n
Stainless Cabinet	o	o	o	o	o	o	o

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



# 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 Evo-Heat is exclusive to you!

Products made to the highest standard – Materials like Titanium, environmentally responsible R410a refrigerant and an overall standard that has gained ISO9001 and other International Standard certifications.

## 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.....







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www.evoheat.com.au

ISO9001

ROHS



CB

CE



EMC certified  
Production accredited