



Pool Water Heating

Certikin Graphite CHP Heat Pumps



The range of CHP is made up of heat pumps for heating (and cooling) outdoor swimming pools with even more than 160m³ volume. Extremely quiet, they work from an outdoor air temperature of 50C. Made in metal with the following features: Titanium heat exchanger, Flowswitch, Defrost by cycle inversion (4-way valve), Water pump, Control and electronic controller with LCD panel. All the models have the Chiller function enabled.

Certikin Graphite CHP Heat Pumps

Code	Description	Price Euros €
CHP030	13kW heating & 8.8kW cooling Graphite CHP heat pump	
CHP050	21kW heating & 14.5kW cooling Graphite CHP heat pump	
CHP060	25kW heating & 17kW cooling Graphite CHP heat pump	
CHP100	45kW heating & 30kW cooling Graphite CHP heat pump	
CHP130	55kW heating & 38kW cooling Graphite CHP heat pump	
CHP200	82kW heating & 58kW cooling Graphite CHP heat pump	
CHP250	105kW heating & 75kW cooling Graphite CHP heat pump	
CHP400	160kW heating & 120kW cooling Graphite CHP heat pump	
CHP500	210kW heating & 150kW cooling Graphite CHP heat pump	

Technical Features - Graphite CHP Heat Pumps

	CV	BTU/H	Heating W Out	Heating W In	COP	BTU/H	Cooling W Out	Cooling W In	EER	Net Dimensions (mm)	Shipping Dimensions (mm)	Net Weight (Kg)	Gross Weight (Kg)
CHP030	2.5HP	44.000	13.000	2.650	4.9	30.000	8.800	2.850	3.1	545 x 545 x 750	690 x 630 x 950	61	80
CHP050	5HP	72.000	21.000	4.300	4.6	49.500	14.500	5.100	2.8	670 x 670 x 850	810 x 760 x 1050	125	150
CHP060	6HP	86.000	25.000	5.000	5.0	59.500	17.000	5.800	2.9	1440 x 562 x 860	1550 x 650 x 1050	160	190
CHP100	9HP	150.000	45.000	9.500	4.7	102.000	30.000	10.200	2.9	1450 x 760 x 1050	1550 x 930 x 1250	250	285
CHP130	10HP	187.000	55.000	12.500	4.4	130.000	38.000	13.200	2.8	1490 x 800 x 1250	1590 x 970 x 1450	270	310
CHP200	14.5HP	280.000	82.000	18.000	4.5	198.000	58.000	19.500	2.9	2150 x 850 x 1250	2320 x 970 x 1450	380	440
CHP250	20HP	358.000	105.000	24.500	4.4	256.000	75.000	25.000	2.8	2230 x 930 x 1250	2320 x 1120 x 1450	655	750
CHP400	28HP	550.000	160.000	34.200	4.7	410.000	120.000	41.600	2.9	2170 x 1065 x 2100	2270 x 1110 x 2250	1040	1135
CHP500	40HP	714.000	210.000	46.300	4.5	510.000	150.000	56.200	2.7	2850 x 1108 x 2220	2950 x 1150 x 2370	1100	1200

	A	Heating W Out	No Compressor	Compressor	No: Fan	Fan Power Input (W)	RPM	Fan Direction	dB(A)	Water Connection (mm)	Water Flow (m ³ /h)	Water Pressure Drop (kPa)
CHP030	14.3 / 13.6	230/1/50	1	Rotart	1	120	830	Vertical	58	50	6	10
CHP050	7.3 / 7.1	380/3/50	1	Scroll	1	200	830	Vertical	58	50	7.5	12
CHP060	10.3 / 8.9	380/3/50	1	Scroll	2	120 x 2	830	Vertical	56	50	9	12
CHP100	16.4 / 15.7	380/3/50	2	Scroll	2	200 x 2	830	Vertical	61	63	10	10
CHP130	19.2 / 18.8	380/3/50	2	Scroll	2	200 x 2	830	Vertical	61	63	19.5	13
CHP200	30.8 / 29.8	380/3/50	3	Scroll	3	200 x 3	830	Vertical	65	63	30	20
CHP250	38.3 / 37.9	380/3/50	4	Scroll	3	200 x 3	830	Vertical	64	75	30	24
CHP400	74.2 / 61	380/3/50	4	Scroll	3	550 x 3	830	Vertical	64	110	40	30
CHP500	99.1 / 81.8	380/3/50	4	Scroll	4	550 x 4	830	Vertical	67	110	50	35

Vaporex - Air To Air Heat Recovery Dehumidifiers For Wall Mounting

Standard Dehumidifiers - Original Style

Code	Description	Price Euros €
DH33A	Vaporex 33 dehumidifier only	
DH55A	Vaporex 55 dehumidifier only	

Dehumidifiers + Defrost Mode - Original Style

DH33AX	Vaporex 33 dehumidifier + Defrost	
DH55AX	Vaporex 55 dehumidifier + Defrost	

Defrost units are required if the pool hall air temperature is below 17°C

Dehumidifiers + Integral Heater Coil

DH33A/L	Vaporex 33 dehumidifier + (LPHW) heating *	
DH33AX/L	Vaporex 33 + defrost + (LPHW) heating *	
DH55A/L	Vaporex 55 dehumidifier + (LPHW) heating *	
DH55AX/L	Vaporex 55 + defrost + (LPHW) heating *	

These units require low pressure boiler water controlled by an air thermostat (supplied).

Through Wall Dehumidifiers For Mounting Internally On Opposite Side Of Pool Hall Wall - C/W duct sleeve and grille kit for wall upto 150mm thick

DH33A/T	Vaporex 33 standard through wall adapted	
DH33AX/T	Vaporex 33 + defrost through wall adapted †	
DH33A/TL	Vaporex 33 + 3kW (LPHW) through wall adapted	
DH33AX/TL	Vaporex 33 + defrost + 3kW (LPHW) through wall adapted *	
DH55A/T	Vaporex 55 standard through wall adapted	
DH55AX/T	Vaporex 55 + defrost through wall adapted †	
DH55A/TL	Vaporex 55 + 5kW (LPHW) through wall adapted *	
DH55AX/TL	Vaporex 55 + defrost + 5kW (LPHW) through wall adapted *	



Heat output from LPHW heater coils are:

- Vaporex 33 at 3kW • Vaporex 55 at 5kW

Heat output from Electric resistance heater are:

- Vaporex 30 at 2kW • Vaporex 50 at 4kW

Note - LPHW = Low Pressure Hot Water and requires water supply at 80°C for outputs stated.

All of the Calorex products on this page come with a two year parts warranty.

* **Models with air heating include independent air stats.**

† = possibly subject to lower stock levels and built to order; please enquire.



Vaporex 33 Wall Hung



Vaporex 30 - Electric Heater Battery Version - used where air heating is required but no LPHW supply is available. Installation of an air stat is required.

Monitair - Powerful Heat Recovery Dehumidifiers For Floor Mounting

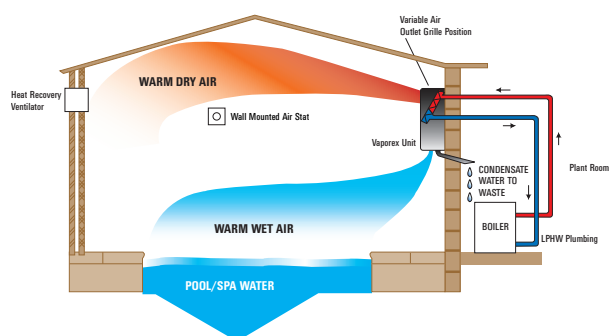


Monitair DH44 and DH66

- High moisture extraction for low power consumption
- Corrosion free, easy to clean aluminium cover with easy-clean air filter. All heat exchange surfaces polyester coated
- Super quiet operation, scroll compressor
- Zero ozone depletion refrigerant
- Low internal operating pressures ensure long useful life
- High/low pressure and delay timer protections
- Air outlet adjustable to horizontal or vertical
- 'X' option provides automatic low temperatures operation to 0°C
- LPHW option complete with 3 way control valve and thermostat connection terminals
- Condensate connection at either side, drip tray removable for cleaning
- Remote humidistat and thermostat options

Monitair DH75 and DH110 Range

- High specific extraction rate, 433W/litre
- Stylish, corrosion resistant, easy to clean aluminium casing
- All heat exchange surfaces polyester coated
- Quiet operation
- Humidistat included
- Low temperature operation, down to 5°C
- Zero ozone depletion R407C refrigerant
- Certified to IP45
- Variable direction air outlet grille
- Through the wall models available



Standard Installation Shown With Air Heater Facility

Vaporex Monitair units can be supplied with LPHW heater batteries which will provide pool room air heating, thus eliminating the need for separate fan heaters and / or radiators. An air thermostat is necessary for all models with air heating facility; One thermostat is included with each new Vaporex / Monitair with heating facility. (Vaporex range also available with electronic heating elements for projects with LPHW provision - please contact us for details).

Standard Model - Dehumidifier Only

Code	Description	Price Euros €
DH44A	aMonitair 44 dehumidifier only	
DH66A	Monitair 66 dehumidifier only	
DH44AX	Monitair 44 dehumidifier + defrost 1Ø	
DH66AX	Monitair 66 dehumidifier + defrost 1Ø	
DH75AX	Monitair 75 dehumidifier + defrost - 1Ø	
DH110AX	Monitair 110 dehumidifier + defrost - 1Ø	
DH110BX	Monitair 110 dehumidifier + defrost - 3Ø	

DH44 and DH66 models can be wall hung and include brackets

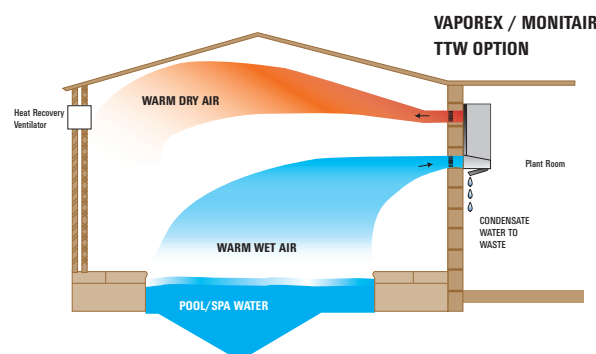
Dehumidifier + Integral Heater Coil Requiring Low Pressure Hot Water (LPHW)

DH44AX/L	Monitair 44 + defrost + air heating - 1Ø	
DH66AX/L	Monitair 66 + defrost + air heating - 1Ø	
DH75AX/L	Monitair 75 + defrost + air heating - 1Ø	
DH110AX/L	Monitair 110 + defrost + air heating - 1Ø	
DH110BX/L	Monitair 110 + defrost + air heating - 3Ø	

Through The Wall Models - For Floor Mounting Internally On The Opposite Side Of The Pool Hall Wall (eg plant room) C/W Duct + Grille Kit

DH75AX/T	Monitair 75 dehumidifier + defrost: through wall adapted - 1Ø	
DH110AX/T	Monitair 110 dehumidifier + defrost: through wall adapted - 1Ø	
DH110BX/T	Monitair 110 dehumidifier + defrost: through wall adapted - 3Ø	
DH75AX/TL	Monitair 75 dehumidifier + defrost + air Heating: through wall adapted - 1Ø	
DH110AX/TL	Monitair 110 dehumidifier + defrost + air Heating: through wall adapted - 1Ø	
DH110BX/TL	Monitair 110 dehumidifier + defrost + air Heating: through wall adapted - 3Ø	

LPHW Heating Outputs are: Model 44 = 3.3kW / Model 66 = 5.8kW / Model 75 & 110 = 8.9kW



Through The Wall (TTW) Installation

Where there is a preference to place the dehumidifier in an adjacent plant room, the Vaporex / Monitair units are also available in a TTW variant. Supplied with full wall brackets and decorative grilles for the air ducts, the TTW is a useful option for confined space or particular aesthetic demands. (Also available with air heating facility as above, for Vaporex range).

Electro Electric Heater - Titan Optima & Plus



Electro Titan Optima

Code	Description	Price Euros €
C-18	18kW Titan Optima	
C-24	24kW Titan Optima	
C-30	30kW Titan Optima	
C-36	36kW Titan Optima	
C-45	45kW Titan Optima	
C-54	54kW Titan Optima	
C-60	60kW Titan Optima	
C-72	72kW Titan Optima	
C-96	96kW Titan Optima	
C-120	120kW Titan Optima	

Electro Titan Optima Plus

CP-18	18kW Titan Optima Plus	
CP-24	24kW Titan Optima Plus	
CP-30	30kW Titan Optima Plus	
CP-36	36kW Titan Optima Plus	
CP-45	45kW Titan Optima Plus	
CP-54	54kW Titan Optima Plus	
CP-60	60kW Titan Optima Plus	
CP-72	72kW Titan Optima Plus	
CP-96	96kW Titan Optima Plus	
CP-120	120kW Titan Optima Plus	

Electro PoolSmart Controller

HEPSC	Electro PoolSmart Controller for digital temperature control and priority heating for Titan Optima	
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Priority of Heating is an intelligent control technology, enabling more precise temperature maintenance and economic pump operation. It electronically overrides the filtration pump time clock and energises it at hourly intervals, enabling the heater to detect the pool water temperature. If the water is within 0.5° of the set point the system will be shut down again.

Electro Titan Optima & Optima Plus Electric Swimming Pool Heater With Ultra Efficient Titanium Heating Elements - 18kW -120kW (380 > 440 V - 3 phase) 24kW - 75kW (220/230 V - 3 phase).

The Electro Evolution pool heater is manufactured from top quality components and materials at the Electro works in Hertfordshire, England.

Construction consists of three flow tubes which are fitted to the uniquely designed manifold mouldings made from specially formulated polymer alloy material. Spiral wound Titanium heating elements provide a 'Vortex' water flow, these are positioned equidistantly along each flow tube providing ultra efficient performance, the 'Low watts density' of these elements guarantees extended life and reliability. The outlet manifold accommodates a flow switch which provides a digital signal to the control board. The inlet manifold is equipped with Titanium temperature pocket fitted with a temperature sensor.

The heater control panel is on the top of the cabinet containing the indication and fault lights as well as the digital touch control screen. The unit can be floor or wall mounted, and comes supplied complete with a bracket for vertical wall mountings offering the tidiest of installations even in limited spaces, thus making it particularly suitable for parallel multi-unit installations.

Operation: The Electro Titan Optima can be easily operated using the control panel touch screen. The inlet manifold has been designed to minimise flow imbalance between the flow tubes, greatly reducing the risk of air locking. Safety and equipment protection is provided by the highly reliable flow switch, over temperature protection is provided by the four safety thermal cut outs (auto-reset) and a safety thermal cut out (manual reset).

The digital control board allows accurate control of pool water temperature thanks to its high precision. The blue digital characters on the touch screen are clearly legible, even in bright sunlight.

Features

- Easy installation, floor or vertical wall mount
- Super safe operation
- Robust, durable construction
- Digital water flow signal, no pump interlock required
- Low element Watts density reduces encrustation
- Titanium heating elements - zero corrosion guarantee
- 316 Stainless Steel flow tube (Titan Optima)
- Titanium flow tube (Titan Optima Plus)
- Dual cascade wired Schneider contactors on each element bank
- Digital timers for staged energisation
- Easy programming using touch screen
- Digital controls provide more accurate temperature control
- Epoxy powder coated aluminium cabinet



Elecro Electric Heater - Evolution & Nano



Elecro Evolution Electric - 3kW - 24kW Swimming Pool Heater

The Elecro Evolution pool heater is manufactured from top quality components and materials at the Elecro works in Hertfordshire, England.

Construction consists of a flow tube which is fitted with inlet and outlet mouldings manufactured from specially formulated polymer alloy material. Universal ABS unions are provided to allow solvent weld connection to the inlet and outlet pipe work. The outlet moulding accommodates a reversible flow switch with a gold tipped reed and Titanium pin.

The heater is supported on two swivel feet; these can swivel to permit either wall or floor mounting. The heater control components are positioned on the front face of the casing. The water inlet and outlet fittings can facilitate connection to either metric or imperial standard pipe. The inlet moulding has been designed to ensure full immersion of the elements, greatly reducing the risk of air locking.

Operation: The desired temperature can easily be set on the Elecro Evolution heater using the panel-mounted thermostat dial. The single or three phase power is supplied through a top quality Schneider contactor. Safety and equipment protection is provided by the highly reliable flow switch. Over-temperature protection is provided by the thermal cut out (manual reset).

Features

- Fully equipped
- Easy installation
- Robust, durable construction
- Analogue control with 1°C differential
- Incoloy 825 or Titanium heating elements
- 3 years conditional warranty
- 316 Stainless Steel or Titanium flow tube
- Ultra-reliable flow switch allows safe operation as low as 1,000 ltr/h
- May be floor or wall mounted using swivel foot
- Control thermostat and safety thermal cut out (manual reset)



Elecro Evolution Stainless Steel Tube & Incoloy Elements

Code	Description	Price Euros €
HESI030	3kW Stainless Steel tube, Incoloy elements - 1 phase	
HESI060	6kW Stainless Steel tube, Incoloy elements - 1 phase	
HESI090	9kW Stainless Steel tube, Incoloy elements - 1 phase	
HESI0613	6kW Stainless Steel tube, Incoloy elements - 1 / 3 phase	
HESI0913	9kW Stainless Steel tube, Incoloy elements - 1 / 3 phase	

Elecro Evolution Stainless Steel Tube & Titanium Elements

HEST030	3kW Stainless Steel tube, Titanium elements - 1 phase	
HEST060	6kW Stainless Steel tube, Titanium elements - 1 phase	
HEST090	9kW Stainless Steel tube, Titanium elements - 1 phase	
HEST120	12kW Stainless Steel tube, Titanium elements - 1 phase	
HEST150	15kW Stainless Steel tube, Titanium elements - 1 phase	
HEST180	18kW Stainless Steel tube, Titanium elements - 1 phase	
HEST0613	6kW Stainless Steel tube, Titanium elements - 1 / 3 phase	
HEST0913	9kW Stainless Steel tube, Titanium elements - 1 / 3 phase	
HEST1213	12kW Stainless Steel tube, Titanium elements - 1 / 3 phase	
HEST1503	15kW Stainless Steel tube, Titanium elements - 1 / 3 phase	
HEST1803	18kW Stainless Steel tube, Titanium elements - 1 / 3 phase	
HEST2403	24kW Stainless Steel tube, Titanium elements - 1 / 3 phase	

Elecro Evolution Titanium Tube & Titanium Elements

HET030	3kW Titanium tube, Titanium elements - 1 phase	
HET060	6kW Titanium tube, Titanium elements - 1 phase	
HET090	9kW Titanium tube, Titanium elements - 1 phase	
HET120	12kW Titanium tube, Titanium elements - 1 phase	
HET150	15kW Titanium tube, Titanium elements - 1 phase	
HET180	18kW Titanium tube, Titanium elements - 1 phase	
HEL613	6kW Titanium tube, Titanium elements - 1 / 3 phase	
HEL913	9kW Titanium tube, Titanium elements - 1 / 3 phase	
HEL1213	12kW Titanium tube, Titanium elements - 1 / 3 phase	
HEL1503	15kW Titanium tube, Titanium elements - 1 / 3 phase	
HEL1803	18kW Titanium tube, Titanium elements - 1 / 3 phase	
HEL2403	24kW Titanium tube, Titanium elements - 1 / 3 phase	

Elecro Nano Splasher Pool Heater

- Easy installation, plug and play
- Robust, durable construction
- Analogue control with 1°C differential
- Ultra reliable flow switch allows safe operation with 1000 ltr / hr
- 316 stainless steel flow tube
- May be floor or vertically mounted
- 2 years conditional warranty
- Titanium model suitable for salt chlorinated water

Nano Splasher Pool Heater

HEN3	3kW Nano heater with Incoloy element	
HEN3T	3kW Nano heater with Titanium element	

Heat Exchangers



Elecro G2 Heat Exchangers

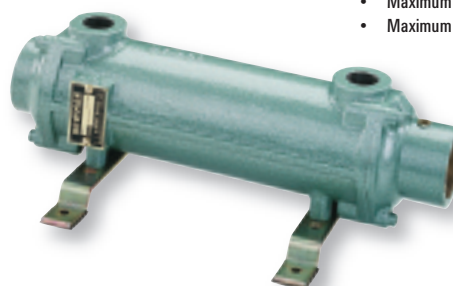
Elecro multi-tubular heat exchangers are comprised of a 38-piece Titanium tube bundle, giving a vast surface contact area for the two water circuits. The primary circuit chamber – through which water from the heating source travels, is very narrow ensuring heat is absorbed and replaced with hot water quickly. These strategic design features, enable the Elecro heat exchangers to perform very efficiently, even when working with low value primary temperatures, such as solar heating systems. The rigid aluminium jacket, encapsulating a pocket of air, thermally insulate the entire unit ensuring that heat is transferred within the desired chamber and absorbed by the swimming pool water, rather than lost to the atmosphere. titanium tube bundles make the Elecro heat exchangers ideal for use on salt chlorinated pools.

Elecro G2 Heat Exchangers

Code	Description	Price Euros €
HE30T	30kW Titanium heat exchanger (102,000BTU)	
HE49T	49kW Titanium heat exchanger (167,000BTU)	
HE85T	85kW Titanium heat exchanger (290,000BTU)	
HE122T	122kW Titanium heat exchanger (416,000BTU)	
HEAC	Elecro analogue control kit	
HEDC	Elecro digital control kit	

Technical Specifications	Digital Control Kit (HEDC)	Analogue Control Kit (HEAC)
Priority of heating	Yes	-
Digital control thermostat	Yes	-
Analogue control thermostat	-	Yes
Grundfos booster pump	Yes	Yes
Elecro switch	Yes	Yes
1" female/female brass fittings	Yes	Yes
NTC temperature sensor	Yes	-

- Multi-tubular
- Cupro-Nickel tubes
- Maximum working pressure 6 Bar
- Maximum temperature 100°C



Bowman Heat Exchanger - Plastic Ends - 6 Bar Operating Pressure

Code	Description	Price Euros €
HEB5113-2C	7-40kW with plastic ends, thermostat pocket and socket unions	
HEB5113	15-59kW with plastic ends, thermostat pocket and socket unions	
HEB5114-2	73-88kW with plastic ends, thermostat pocket and socket unions	

Bowman Heat Exchanger - Cast Iron End Covers - 12 Bar Operating Pressure

Code	Description	Price Euros €
HEB3707-2	Bowman heat exchanger 117-146 KW cast iron ends (1.25" female primary & 2.5" female pool)	
HEB3708-2	Bowman heat exchanger 205 KW cast iron ends (1.5" female primary & 3" female pool)	
HEB3709-3	Bowman heat exchanger 263-325 KW cast iron ends (2" female primary & 100mm flanged pool)	

Bowman Heat Exchanger - Bronze Ends

(For Sea Or Salt Chlorinated Pools) - 12 Bar Operating Pressure

HEB3707-2S	Bowman heat exchanger 117-146 KW - bronze ends (1.25" female primary & 2.5" female pool)	
HEB3708-2S	Bowman heat exchanger 205 KW - bronze ends (1.5" female primary & 3" female pool)	
HEB3705-3S	Bowman heat exchanger 15-59kW bronze ends	

Bowman Heat Exchangers For Solar Panels

HEB5113-5	Bowman heat exchanger for solar panels (25-90m³ pools)	
HEB5114-5	Bowman heat exchanger for solar panels (90-135m³ pools)	

Bowman Heat Exchanger

This new heat exchanger incorporates an integrated End cover which accommodates a solvent weld connection direct to the pool water flow pipework.

Metric and inch fittings are supplied with an integrated thermostat pocket provided as standard.



Plate Heat Exchanger & Accessories



Features

- High overall heat transfer coefficient for efficient heat transfer
- Compact design gives maximum surface area to material volume without compromising mechanical robustness
- Low installation costs
- Easy dismantling for rapid cleaning
- High performance with low hold-up volume
- Versatile, modular design
- Plate and gasket materials available to suit most fluid types
- Standard units available from stock:
100kW to 819kW for heating applications; 53kW to 397kW for cooling applications
- Short lead-time custom build service

Electro Plate Heat Exchangers 100kW to 3MW

Ideal For Heating, Cooling, Heat Recovery, Condensing & Evaporation Processes.

The Electro Plate heat exchangers are manufactured at our works in Hertfordshire, England and comprise an epoxy coated steel frame consisting of one removable and one fixed cover fitted with top and bottom plate hangers.

The fluid connections are heavy gauge stainless steel, male threaded nozzle connections welded into the front cover. Flanged connection are available on request. The heat transfer plates are corrugated in a herringbone pattern with port holes for the passage of the two fluids and have clip-on reusable seals.

Electro Plate Heat Exchangers - Titanium

Code	Description	Price Euros €
PHE-100TI	Heating transfer 102kW - cooling transfer 53kW	
PHE-140TI	Heating transfer 140kW - cooling transfer 66kW	
PHE-180TI	Heating transfer 178kW - cooling transfer 92.70kW	
PHE-240TI	Heating transfer 242kW - cooling transfer 125.90kW	
PHE-290TI	Heating transfer 287kW - cooling transfer 149kW	
PHE-330TI	Heating transfer 332kW - cooling transfer 172.30kW	
PHE-370TI	Heating transfer 370kW - cooling transfer 192.10kW	
PHE-410TI	Heating transfer 414kW - cooling transfer 215kW	
PHE-450TI	Heating transfer 446kW - cooling transfer 231.80kW	
PHE-500TI	Heating transfer 504kW - cooling transfer 244.8kW	
PHE-550TI	Heating transfer 546kW - cooling transfer 265.20kW	
PHE-610TI	Heating transfer 609kW - cooling transfer 295.80kW	
PHE-670TI	Heating transfer 672kW - cooling transfer 326.4kW	
PHE-730TI	Heating transfer 735kW - cooling transfer 357kW	
PHE-780TI	Heating transfer 777kW - cooling transfer 377.40kW	
PHE-820TI	Heating transfer 819kW - cooling transfer 397.80kW	



Digital Thermostat

1706N

Digital thermostat



Digital Thermostat Pocket

1706P

Digital thermostat pocket



Drilled End Cap

PG1708

Drilled end cap for digital thermostat 1.5" BSP

SPX1708

Drilled end cap for digital thermostat 50mm

Genie Condensing Boiler



The Certikin Genie range of gas condensing pool heaters is one of the worlds only condensing pool heaters. Following the unprecedented success of the initial launch of the Genie boiler and acting on constructive feedback from the trade, the Genie now features a water to water heat exchanger with cupro-nickel tubes. This means that even if your customers are struggling to maintain perfect water balance the Genie is robust enough to cope. Still using condensing technology the Genie range delivers up to a fantastic 94% efficiency compared to standard direct fired pool heaters which typically operate at between 60 to 80%.

The Genie 36 Dual features all the benefits of the Genie S range but also features connections and boiler controls for heating systems such as radiators, showers via DHW cylinders or dehumidifiers with air heater batteries. Available with 36kw (123,000btu) output, the Genie 36 Dual is suitable for heating the majority of domestic pools or if required more than one unit can be coupled together to produce higher output. With 18kW available for domestic heating systems the pool hall or changing facilities will be easily heated to the customer's requirements.

Genie Natural & Propane Gas Heaters

Code	Description	Price Euros €
MB20S	Genie 20 - 20kW (68,000 BTU) output	
MB35S	Genie 35 - 35kW (118,00 BTU) output	
MB50S	Genie 50 - 50kW (170,000 BTU) output	

Genie 36 Dual Natural & Propane Gas Heaters

MB36D	Genie 36 Dual - 36kW (122,000 BTU) Output	
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Balanced Flue Kits (Plastic Easifit System - One Size Fits All)

MBOT	Genie Outdoor Terminal	
MBHT	Genie Horizontal Terminal	
MBVT	Genie Vertical Terminal	
MBHVE	Genie Horizontal / Vertical Extension Pipe - 1m length	
MB90DB	Genie 90 Degree Flue Bend	
MB45DB	Genie 45 Degree Flue Bend - pair	
MBWMK35/50	Genie Wall Mount Kit	

Multiple Heater Installation Kits

MBMIK2	2 heater multiple installation kit (genie & oil)	
MBMIK3	3 heater multiple installation kit (genie & oil)	
MBMIK4	4 heater multiple installation kit (genie & oil)	
MBMIK5	5 heater multiple installation kit (genie & oil) - made to order only - allow 3 weeks	
MBMIK6	6 heater multiple installation kit (genie & oil) - made to order only - allow 3 weeks	
MBMIK7	7 heater multiple installation kit (genie & oil) - made to order only - allow 3 weeks	
MBMIK8	8 heater multiple installation kit (genie & oil) - made to order only - allow 3 weeks	

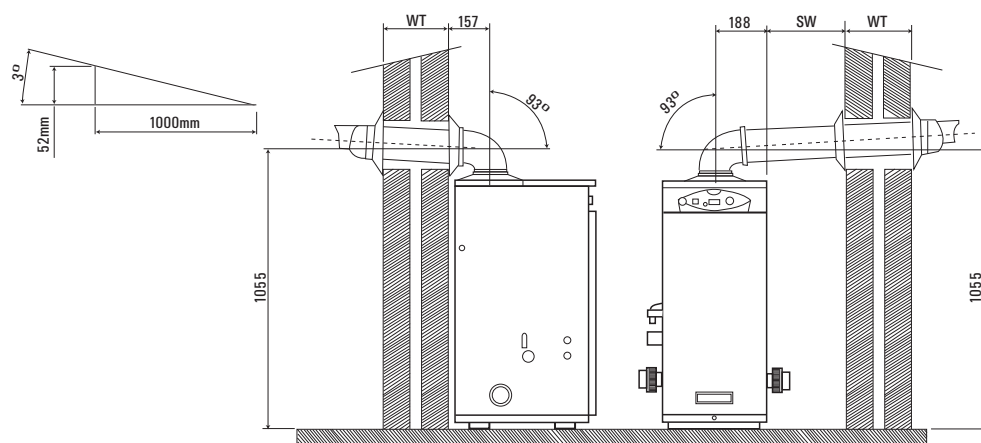
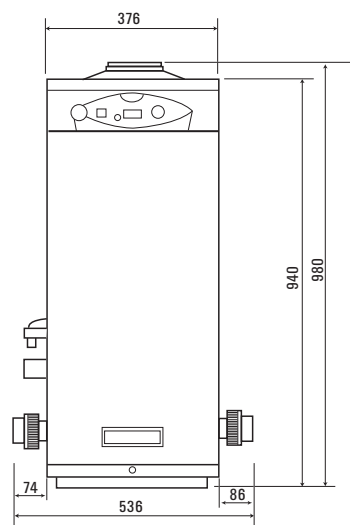
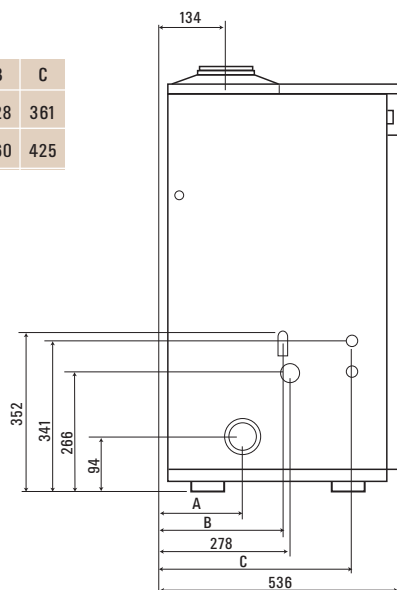
Features

- Available in 20kW (68,00btu), 36kW (123,000btu) and 49kW (167,000btu) outputs
- Only one unit to stock for either natural or LPG – supplied natural gas with conversion kit to LPG included
- Tamper proof lockable pool temperature display in C or F.
- Up to 94% condensing efficiency – equivalent to Sedbuk A
- Running cost reduced by up to 30%
- Environmentally friendly
- Modulating output for accurate temperature control & increased efficiency
- IP44 for indoor or outdoor installations
- Quiet running
- Lightweight compact design
- Pool connection left to right OR right to left
- Simple condensate disposal connections left or right side
- Pre-plumbed c/w a double non return valve & filling loop
- Plastic flue kits, push fit horizontal and/or vertical up to 20m
- Honeywell CVI controls
- Multiple heater kit options up to 400kw output (8 heaters)
- CCP pool control panel compatible
- Wall mounting kit available
- Commissioning / Diagnostic display with service required indicator (2000 hours run time)
- Suitable for use with salt chlorinated pools



Dimensions in mm

Model	A	B	C
Genie 35	141	228	361
Genie 50	173	260	425



Efficiency

At the heart of every Genie lives a super quiet state-of-the-art stainless steel heat engine. Using a fully modulating fan and gas valve, we guarantee a precise and clean burn every time with a perfect air/fuel mixture. Condensing technology allows the Genie to perform at 94% efficiency ensuring that the heat goes into your pool water, not into the air.

Installation

Practicality and flexibility are important features of any pool heater and the Genie offers both in abundance. Every heater is factory set to run on Natural Gas and the simple insertion of a special washer during installation converts to Propane Gas in minutes. All units can be installed either indoors or outdoors and a variety of flue options will cover almost any

installation situation.

The plastic push fit horizontal and vertical flue systems will work on runs of up to 20 metres equivalent (e.g. 1 x 90° elbow = 1.5metres) and are simple to fit.

With pool water, electrical and gas connections on both the left and right hand side and even being suitable for wall mounting, the Genie is the most flexible pool heater available.

User Friendly Operation

Simple operation via the lockable temperature control dial and large clear digital display means the customer is in full control of the pool water temperature. The Microprocessor Control System constantly monitors pressure, flow, temperature and safety to ensure accurate pool temperature is maintained.

The electronic diagnostics eliminate unnecessary service calls and can direct the technician to specific systems during servicing.

Reliability

Reliability is assured by the use of quality materials both inside and out. The heat engine produced in stainless steel is designed to last and the Genie casing is polyester coated to withstand the potentially harsh environments that it will be operating in.

The electrical and mechanical components are all proven and sourced from such industry leaders as Honeywell. Customers can rest assured that the Genie Condensing Gas Pool Heater will provide years of trouble-free, efficient heating.

Certikin Compac Heat Pumps

- User friendly, affordable and economical



AW8CP

Compac Heat Pump

Code	Description	Price Euros €
AW6CP	Compac 6 - single phase	
AW8CP	Compac 8 - single phase	
AW12CP	Compac 12 - single phase	

Compac Heat Pump

Why a heat pump?

The heat pump is now recognised as the most economical and environmentally friendly method of heating. It simply allows heating of your swimming pool water by using the free and natural energy in the air while respecting the environment.

These units can be used on above ground pool applications. The Compac units are easy to install and an affordable option to pool water heating.

The Compac units have an integrated handle for ease of movement on site and comprehensive fault lights with clear guidance so time can be saved on site should any problems occur.

These units complete the package you can offer for a one stop shop for small, 'summer season' pool applications.

Why Compac?

- Simple installation
- Cost Effective
- Environmentally friendly
- Clear and easy controls
- Titanium heat exchanger
- 2 year limited warranty (contact us for more details)

	Compac 6	Compac 8	Compac 12
Typical Pool Size - Surface Area m2	24	32	40
Electric Data			
Electrical Supply (50Hz) - 1PH - Volts	230	230	230
Minimum Supply Capacity (FLA) - 1PH	6.4	8.2	11.8
Recommended supply fuse (Amps - MBC type C) - 1PH	10	15	20
Fan Data			
Air Flow (Anemometer @ air on grille. Dry Evaporator) - m3/hr	1600	1600	1600
Water Data			
Pool water flow rate - L/min	50	83	116
Pool water connections - inches / mm	1.5" or 50mm	1.5" or 50mm	1.5" or 50mm
Condensate drain connection - mm	15	15	15
General Data			
Compressor - with 3 minute start delay timer	Rotary	Rotary	Rotary
Condensor	Titanium	Titanium	Titanium
Sound Level dB(A) @ 10m / @ 3m	48	48	52
Dimensions			
Width / Depth / Height - mm	848 / 300 / 630	848 / 300 / 630	848 / 300 / 630
Weight - kg	56	59	63
Refrigerant Gas Charge (R410a) - kg	0.95	1.2	1.4



Compac control panel

It is strongly recommended that checks are made in relation to starting amps and load requirements for these machines.

For accurate application & sizing consult the Export department

Calorex Plunge Pool Chiller

Calorex Plunge Chillers

Calorex plunge pool chillers are ideal for leisure and sports club applications. Capable of chilling to 10°C these packaged chillers can be easily incorporated into a plunge pool system used for sports recovery and rehabilitation.



Plunge Pool Chillers - by Calorex

Code	Description	Price Euros €
WA634A	Plunge pool chiller - model 634 - 1 phase	
YH0013	Plunge pool chiller - model 1222 - 3 phase	