



# Green Heat Pumps for Swimming Pools



Reduce the "Carbon Footprint" from your heating system

# Green Heat Pumps for Swimming pools

## Enjoy longer swimming season for less cost

### Facts about Green Heat Pumps

- Computer controlled
- Active defrost system
- Titanium Heat exchanger
- R410A Refrigerant

Green Heat Pumps are using the most "Green Refrigerant" R410A. R410A might be the only refrigerant which exists today and will also be allowed to use in the future. R410A is the most efficient refrigerant. The Green Heat Pumps use new technologies and the highest quality of the components.

Green Heat Pumps have more than 3 years of successful experience with R410A refrigerant.

All Green Heat Pumps are equipped with an "active depot de-icing system", which gives you high efficiency also at very low temperatures.

The Green Heat Pumps are tested down to minus 7°C = 19°Fahrenheit with very good results.

All Green Heat Pumps are with a "large surface" Titanium heat exchanger to give a problem free operation with the highest efficiency for many years of usage.

### Why choose the Green Heat Pump for your swimming pool?

- Economical to buy, economical in use
- Friendly to the environment (Low Carbon Footprint)
- The Green Heat Pump is fast and easy to install on any pool

There is a minimum service required with Green Heat Pumps and compared to service cost on oil or gas heating system, you will save a lot of money.

Please contact us to get the booklet "Tips how to build and maintain your pool in the best environmental way with the lowest running cost".

### Benefits of installing the Green Heat Pump

- Reduce your heating bill 4 times (60 to 75 % reduction)  
*If you are using electricity to heat your pool you might even reduce more than 75%*
- You will drastically reduce the "Carbon Footprint" on your pool
- You can enjoy swimming longer for less cost.



The built-in computer analyzes the signal from all sensors, adjusts the Heat Pump to the maximum efficiency and shows the information on the display. You can easily change parameters on the display to optimize the Heat Pump exactly to the demands of your pool and heating system.

**Economical to buy**  
**Economical in use**

**Reduce the "Carbon Footprint" from your heating system**

# Green Heat Pumps for Swimming pools

## Reduce your heating bill up to 4 times

### Choose the size of the Green Heat Pump for your pool

Table is for average climate conditions in UK, Germany, Austria, Czech Republic, Poland, Ukraine, Hungary, Romania, Bulgaria, north part of Italy, Switzerland, north part of France, Benelux, Denmark and south part of Norway, Sweden and Finland.

**Green Heat Pump Sizing Table**

Pool Size m <sup>2</sup>	Pool Size feet <sup>2</sup>	May to Sept. Recommended MODEL	March to Nov. Recommended MODEL
20	200	PG10	PG15
30	300	PG10	PG15
40	400	PG15	PG20
50	500	PG15	PG20
60	600	PG20	PG25
80	800	PG20	PG25
100	1000	PG25	PG30 (PG28)

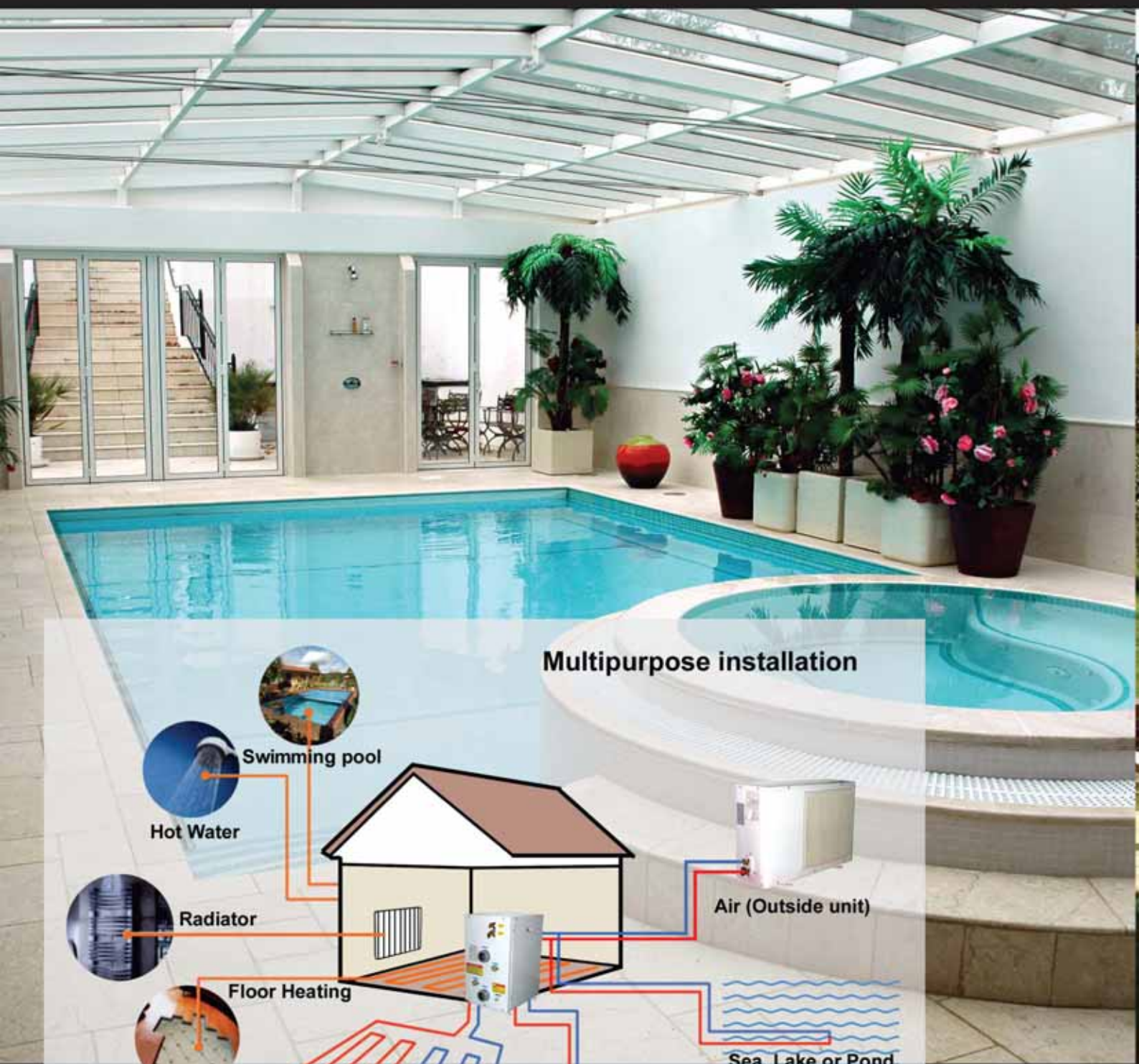
### Facts

- You are losing the most energy from the pool surface, therefore it is important to cover the pool when not in use
- High ground water level will normally carry a lot of energy away from your pool
- Remember that a bigger Heat Pump will not take more energy, it will only run less hours
- You must check that your available power and fusing is suitable

**Green Heat Pumps - COMPACT MODELS with horizontal fans**

SPECIFICATIONS	Units	MODEL PG10C-410	MODEL PG15C-410	MODEL PG20C-410	MODEL PG25C-410	MODEL PG28C-410	MODEL PG30C-410
Heating capacity in BTU (Max.)	BTU/h	29400	44200	60800	71300	79800	88400
Heating capacity in kW	kW	7.1 - 9.6	11 - 14.7	14.1 - 19.1	17.7 - 23.9	19.9 - 26.8	22.0 - 29.4
Power input - Consumption	kW	1.6 - 1.9	2.5 - 2.9	3.3 - 4.0	4.0 - 5.1	4.5 - 6.0	5* - 5.8*
Heating Media	Refrigerant	410A	410A	410A	410A	410A	410A
Compressor (* = w.soft start)		Rotary	Rotary	Scroll	Scroll	Scroll	Rotary
Compressor Number		1	1	1	1	1	2
Heat Exchanger		Titanium	Titanium	Titanium	Titanium	Titanium	Titanium
Power Supply	Volt/Phase/Hz	230/1/50	230/1/50	230/1/50	230/1/50 - 400/3/50	400/3/50	230/1/50
Running Current	A	7.6 / 8.7	11.6 / 13.5	15.6 / 18.3	19.1/23 - 7.0/8.7	8.4 / 10.4	23.2 / 27.6
Power Supply Cable		2 x 2,5 +G	2 x 2,5 +G	2 x 2,5 +G	2 x 6 +G	2 x 6 +G	2 x 6 +G
Fuse (Motorfuse - Slow Blow)	A	2 x 13	2 x 16	2 x 25	2x32 / 3x16	3 x 16	2x32
Noise Level	dB(A)	51	54	56	58	58	56
Fan Power	W	120	120	240	240	240	240
Fan Speed	RPM	850	850	850	850	850	850
Fan Orientation		Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Fan Number		1	1	2	2	2	2
Water Connection	Diam. mm/inch	50 / 2	50 / 2	50 / 2	50 / 2	50 / 2	50 / 2
Water Flow (Volume/h)	m <sup>3</sup> /h / Gal/h	3 / 660	4.5 / 990	6 / 1320	7.5 / 1650	9 / 1980	9 / 1980
Water pressure drop	kPa / psi / bar	10 / 1.5 / 0.1	10 / 1.5 / 0.1	10 / 1.5 / 0.1	12 / 1.7 / 0.12	12 / 1.7 / 0.12	12 / 1.7 / 0.12
Cabinet		Galv.+Powderc.	Galv.+Powderc.	Galv.+Powderc.	Galv.+Powderc.	Galv.+Powderc.	Galv.+Powderc.
Dimension (l/w/h)	mm	905/420/650	905/420/650	1200/470/850	1200/470/1250	1200/470/1250	1200/470/1250
Shipping dimension (l/w/h)	mm	1030/440/700	1030/440/700	1250/500/900	1250/500/900	1250//500/1350	1250//500/1350
Weight (net / shipping)	kg	68 / 77	75 / 84	98 / 108	134 / 144	137 / 147	145 / 155

Reduce the "Carbon Footprint" from your heating system



### Multipurpose installation

