

The background of the advertisement features a woman with dark hair floating on her back in a clear blue swimming pool. In the upper left corner, there are green leaves of a tropical plant. Two Certikin heat pumps are positioned in the middle ground. The larger unit on the left is labeled 'Pro-Pac 140' and has two black fans on top. The smaller unit on the right is labeled 'Pro-Pac 8' and has a single large black fan on its front. Both units are white with grey accents and are mounted on small black feet.

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brings water to life

Swimming Pool Heat Pumps

Heat pumps to suit every type of swimming pool

OUTDOOR HEAT PUMPS

The Challenge: To provide a solution to pool water heating that is reliable and economical, regardless of ambient air temperature and location.

Our Climate is changing!

With ambient air temperatures becoming more and more erratic, the challenge is to provide a reliable and economic solution to swimming pool heating, whatever the weather, without costing the earth. Certikin can help. Our "green" range of highly efficient Calorex heat pumps are designed to heat UK pools to Mediterranean temperatures with minimal impact on the environment. Designed, engineered and built in the UK, our world beating products are exported across the planet. From Russia to Saudi Arabia, you will find Calorex heating pools, tackling global warming and working to reduce our carbon foot print. Using "state of the art" green technology, Calorex heat pumps are heating pools for a fraction of the cost of gas, oil and direct electric heaters, but without the carbon footprint.

Our Propac Y range will provide reliable heat for your pool, even in the harshest winter winter conditions.

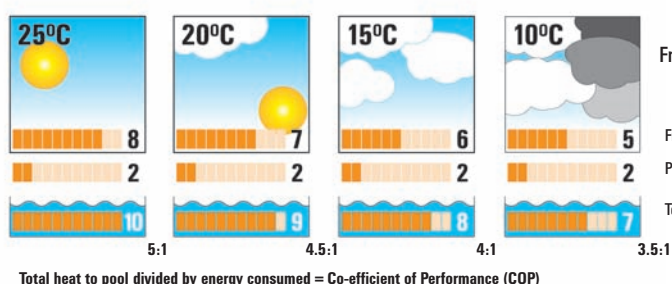
Summer season Propac X models will operate when there is a ground frost and easily sail through the cold snaps that are now common in the UK summer.

It is no wonder that Calorex is first choice for all leading UK pool builders.

Why A Heat Pump?

The heat pump is now recognised as the most environmentally friendly method of heating and considering the advantages below it is easy to see why.

- Up to 400% operating cost and carbon saving against direct electric heaters



'Air On' View



'Air Off' View

- Up to 34% operating cost saving against fossil fuel boilers
- Up to 50% carbon saving against fossil fuel boilers

Product Features

- Titanium heat exchangers
- Fully automatic
- Digital controls
- Quiet in operation
- Requires very little regular maintenance
- No fumes
- Kind to the environment
- Economical to run
- Can heat public or private pools to 35°C
- Easy to retrofit to existing swimming pool systems

Heat pumps simply use the free and natural energy in the air and transfer it efficiently to pool water heating whilst respecting the environment. By careful design a Calorex heat pump is capable of providing your pool with up to five units of absorbed heat for every one unit paid for.



Free heat from the air.

Free unit of heat from the air

Paid units of heat

Total units of heat to pool

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**Swimming Pool
Heat Pumps**

TECHNICAL SPECIFICATIONS

Input & output of Summer Season models at 20°C		Output kW	Power Consumed kW	Supply Capacity (amps)	Supply Fuse (amps)	Pool water flow rate (l/m)	Working Pressure (bar)	Noise level at 3m (dBA)	Width	Depth	Height	Unpacked Weight
SUMMER SEASON	PPT8ALX	9.2	2	14	20	75	2.5	49	1264	548	725	91
	PPT12ALX	12.5	2.5	17	25	75	2.5	50	1264	548	725	96
	PPT16ALX	15.6	2.8	21	30	125	3.5	52	1264	548	725	112
	PPT22ALX	22.4	4.3	31	42	167	3.5	55	1264	548	725	122
	PPT12BLX	12.5	2.5	6.4	10	75	2.5	50	1264	548	725	96
	PPT16BLX	15.6	2.8	8	15	125	3.5	52	1264	548	725	112
	PPT22BLX	22.4	4.3	13	20	167	3.5	55	1264	548	904	122
	AW3020BM	37	9.1	25	35	66	4.5	69	1700	1090	1212	393
	AW7020BM	56	13.4	40	50	130	3.9	68	1950	1340	1212	569

Input & output of Extended Season models at 10°C

EXTENDED SEASON	PPT8ALY	7.2	1.8	14	20	115	2.5	49	1049	593	720	102
	PPT12ALY	9.9	2.3	17	25	115	2.5	50	1227	593	720	111
	PPT16ALY	12.4	2.6	21	30	123	3.5	52	1377	602	720	141
	PPT22ALY	17.7	4.1	31	42	123	3.5	55	1377	602	720	142
	PPT12BLY	9.9	2.3	6.4	10	115	2.5	50	1227	593	720	111
	PPT16BLY	12.4	2.6	8	15	123	3.5	52	1377	593	720	141
	PPT22BLY	17.7	4.1	13	20	123	3.5	55	1377	593	720	142
	AW3020BYMY	26	8.6	25	35	66	4.5	69	1700	1090	1212	399
	AW7020BYMY	44	12	40	50	130	3.9	68	1950	1340	1212	584



Commercial Pro-Pac Range - Input & output of Summer Season models at 20°C

SUMMER SEASON	PPT30BM	32	7.8	20	30	123	4.2	62	1555	790	1080	219
	PPT45BM	40	9.75	25	35	123	12	64	1665	1060	1310	329
	PPT70BM	62	14.4	42	50	123	14	68	1810	1190	1310	549
	PPT90BM	80	19.5	50	70	246	12	73	2065	1190	1330	599
	PPT140BM	124	29	67	100	246	14	71	2210	1650	1340	858

Commercial Pro-Pac Range - Input & output of Extended Season models at 10°C

EXTENDED SEASON	PPT30BMY	25.5	7.3	20	30	123	4.2	62	1555	790	1080	219
	PPT45BMY	32	8	25	35	123	12	64	1665	1060	1310	329
	PPT70BMY	50	12.5	42	50	123	14	68	1810	1190	1310	549
	PPT90BMY	64	16	50	70	246	12	73	2065	1190	1330	599
	PPT140BMY	100	25	67	100	246	14	71	2210	1650	1340	858



The **Pro-Pac 'X' Range** comes complete with an advanced hot gas defrost facility specifically designed for the UK's changing climate. They can be placed discreetly in the pool area or sited in a plant room. They are quiet, ecologically friendly and economic to run. They come with titanium heat exchangers which are compatible with all types of water treatment. These models are elegant and simple to use. Just set the digital thermostat to ensure fully automatic operation throughout the summer season.



The **Pro-Pac 'Y' Range** are purpose designed for swimming pool heating and can be installed outside or in a plant room. They are highly efficient with a wound tube in tube Titanium condenser and come with a rotary or scroll compressor and water flow switch. They have a remote thermostat control option and can be fitted with a soft start should the installation require and are produced in 8kW to 22kW sizes, in both single and three phase models.

The **Pro-Pac Commercial Range** are specifically designed to satisfy the needs of larger pools or those with a high level of activity, such as the leisure industry. Strong and reliable, the Pro-Pac Commercial Range includes five models up to 120kW output and are available in summer and reverse cycle all year round models. Pro-Pac units are quiet and easy to use and come with titanium heat exchangers, a flow switch, digital thermostat and vertical ventilation as standard.

OUTDOOR HEAT PUMPS SIZING CHARTS

Note: The sizing graphs shown on this page assume the following UK conditions:

- * The entire pool is constructed in-ground
- Ground water level is below pool construction.
- Floating heat retention cover is used 20 hrs per day.
- Average depth of water @1.3metres.

Pool surface area refers to the total water area (eg inclusive of Roman ends / protruding steps / deck-level drains).

For sizing of equipment outside of these design parameters please consult the technical design team.

Conversion Factor

To convert from sq. ft to sq.m multiply by 0.0929.

To convert from sq.m to sq.ft divide by 0.0929.

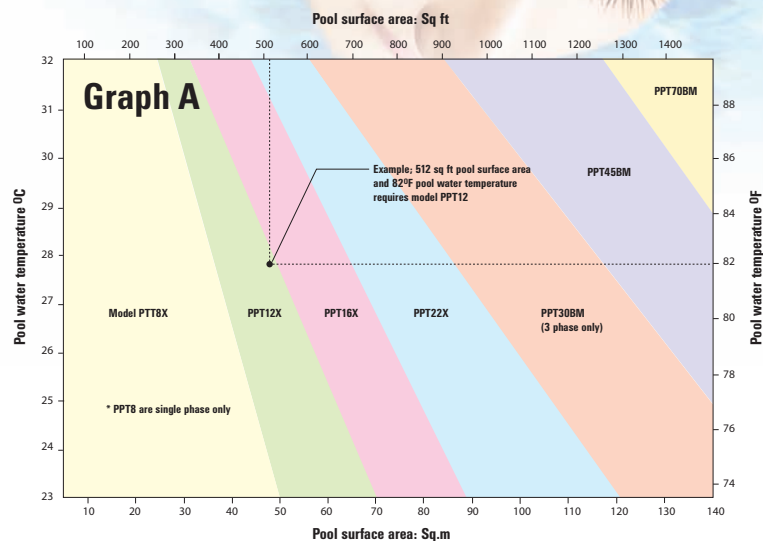
Roman End surface areas:

6' = 1.31 sq.m

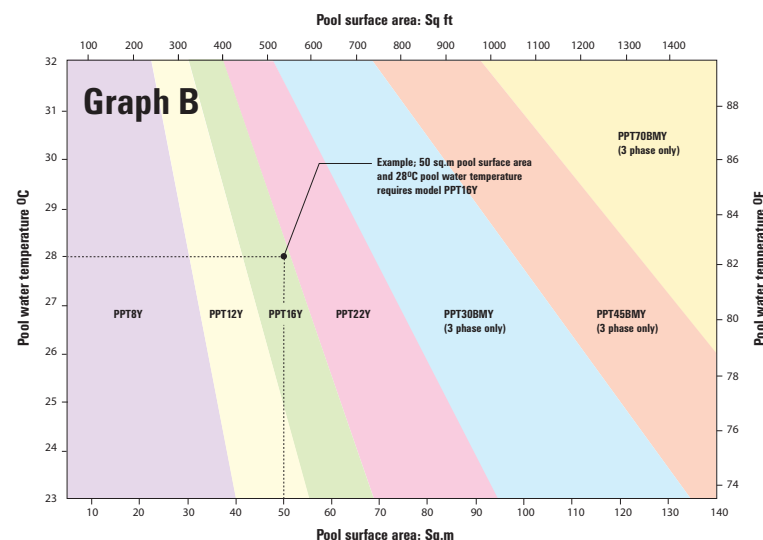
8' = 2.33 sq.m

10' = 3.65 sq.m

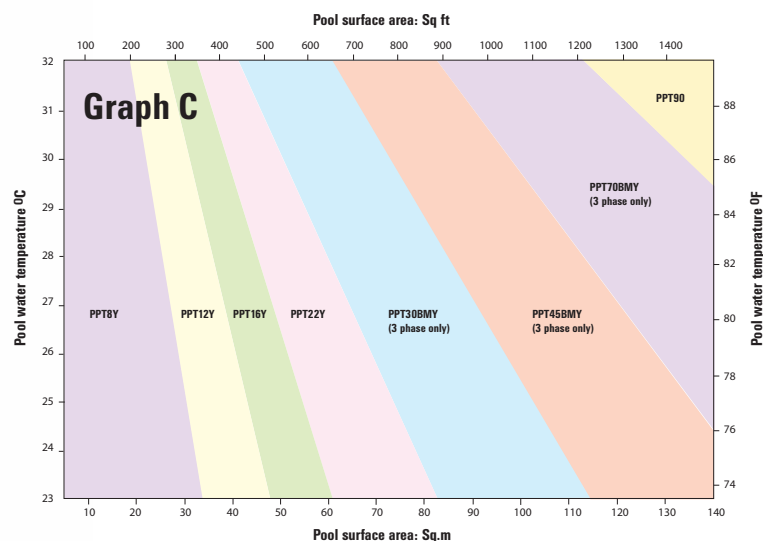
12' = 5.25 sq.m



May - September Season
(approx 22-24 weeks)



April - October Season
(approx 30-32 weeks)



March - November Season
(approx 38-40 weeks)



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calorex