calorex

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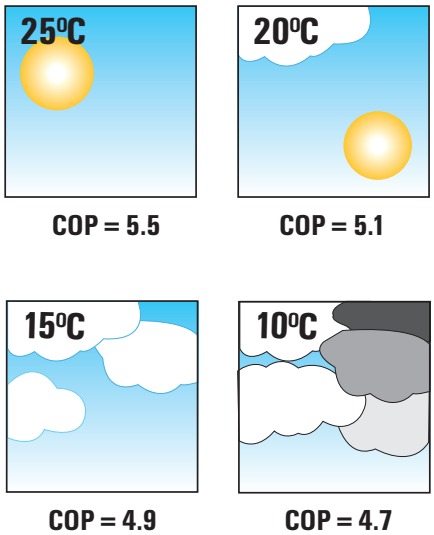
Swimming Pool Heat Pumps

British made heat pumps to suit every type of swimming pool

Calorex ProPac Heat Pumps are specifically designed for swimming pool heating. Heat pumps are recognised as the most sustainable way to dynamically heat swimming pool water and with a Calorex ProPac heat pump you will save both on energy and in operating costs!

Why a heat pump?

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 ProPac heat pump is capable of providing your pool with up to five and a half units of absorbed heat for every one unit paid for.



Co-efficient of Performance (COP) =
Total units of heat to the pool ÷ paid units of heat.

Water temperature at 26ºC

Advantages of a heat pump

- Substantial running cost savings (approximately 400% against electric heating) over extended summer season
- Up to 47% operating cost saving against fossil fuel boilers
- Up to 60% carbon saving against fossil fuel boilers
- Easy to retrofit to an existing pool system
- Minimal maintenance
- No fuels or fuel storage tanks

Key Features of the ProPac heat pump

- Designed, engineered and built in the UK for the UK climate
- Owlett Fans – super quiet
- Intelligent electronic defrost improves early and late season performance (X Models)
- High flow Titanium Heat Exchanger
- Two digital thermostat positions available
- Pool pump synchronisation control to maximise efficiency
- Leading brand rotary or scroll compressors
- 10 year anti-corrosion warranty on heat pump casing
- ProPac's comply with size requirements for permitted development rights (models 8-22)
- Fully supported by a nationwide network of Calorex engineers
- 3 year on site parts and labour warranty (models 8-22)

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Outdoor Heat Pumps

3 Year warranty
parts & labour on site

Input & output of Summer Season models at 20°C Ambient

			Output kW	Power Consumed kW	Supply Capacity (amps)	Supply Fuse (amps)	Pool water flow rate (l/m)	Noise level at 3m (dBA)	Width	Depth	Height	Unpacked Weight
SUMMER SEASON	PPT8ALX	1 PHASE	9.2	2	14	20	115	50	1264	594	725	91
	PPT12ALX		12.5	2.5	17	25	115	47	1264	594	725	96
	PPT16ALX		15.6	2.8	19.8	30	123	48	1264	600	725	112
	PPT22ALX		22.4	4.3	31	42	123	52	1264	600	904	122
	PPT12BLX	3 PHASE	12.5	2.5	6.4	10	115	47	1264	594	725	96
	PPT16BLX		15.6	2.8	8	15	123	48	1264	600	725	112
	PPT22BLX		22.4	4.3	13	20	123	52	1264	600	904	122

3 Year warranty
parts & labour on site

Input & output of Extended Season models at 10°C Ambient

EXTENDED SEASON	PPT8ALYN	1 PHASE	7.2	1.8	14	20	115	50	1264	594	725	91
	PPT12ALYN		9.9	2.3	17	25	115	47	1264	594	725	96
	PPT16ALYN		12.4	2.6	19.8	30	123	48	1264	600	725	112
	PPT22ALYN		17.7	4.1	31	42	123	52	1264	600	904	122
	PPT12BLYN	3 PHASE	9.9	2.3	6.4	10	115	47	1264	594	725	96
	PPT16BLYN		12.4	2.6	8	15	123	48	1264	600	725	112
	PPT22BLYN		17.7	4.1	13	20	123	52	1264	600	904	122

1 Year warranty
parts & labour on site

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

SUMMER SEASON	PPT30BM	3 PHASE	32	7.8	20	30	123	62	1555	790	1080	219
	PPT45BM		40	9.75	25	35	123	64	1665	1060	1310	329
	PPT70BM		62	14.4	42	50	123	68	1810	1190	1310	549
	PPT90BM		80	19.5	50	70	246	73	2065	1190	1330	599
	PPT140BM		124	29	67	100	246	71	2210	1650	1340	858

1 Year warranty
parts & labour on site

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

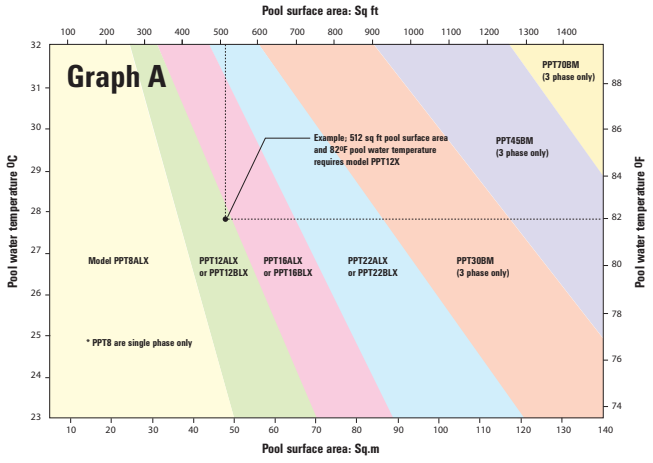
EXTENDED SEASON	PPT30BMY	3 PHASE	25.5	7.3	20	30	123	62	1555	790	1080	219
	PPT45BMY		32	8	25	35	123	64	1665	1060	1310	329
	PPT70BMY		50	12.5	42	50	123	68	1810	1190	1310	549
	PPT90BMY		64	16	50	70	246	73	2065	1190	1330	599
	PPT140BMY		100	25	67	100	246	71	2210	1650	1340	858

Owlett Fans – super quiet

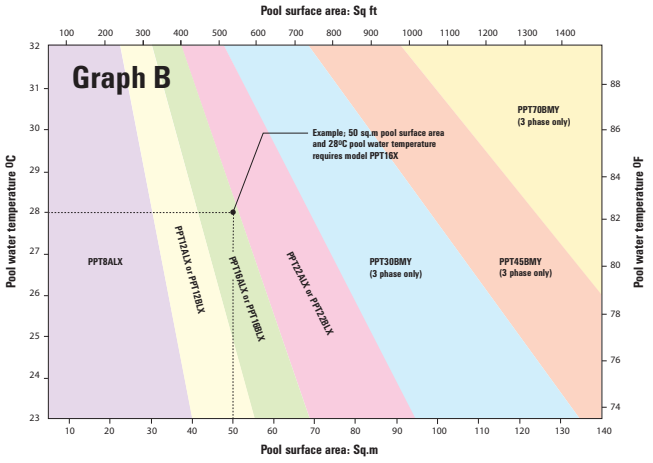
The **Pro-Pac 'X' Range** comes complete with an advanced hot gas defrost facility specifically designed for the UK's changing climate. They can be placed discreetly in the pool area or sited in a plant room. They are quiet, ecologically friendly and economic to run. They come with titanium heat exchangers 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** models are fitted with reverse cycle defrost and will operate in air temperatures as low as -15°C, therefore they are suitable for all season use and indoor swimming pools.

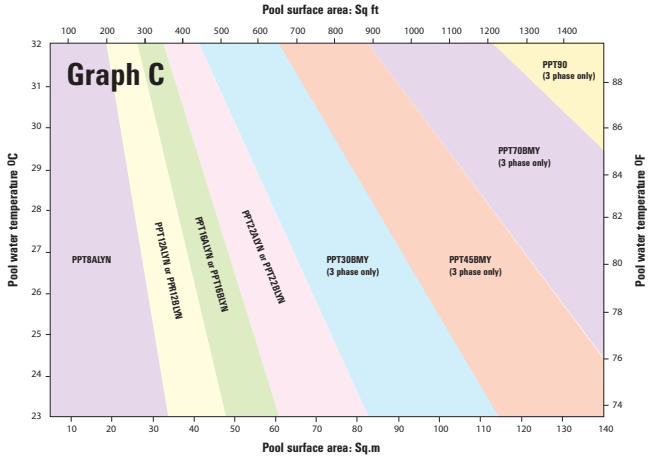
The **Pro-Pac Commercial Range** are specifically designed to satisfy the needs of larger pools or those with a high level of activity, such as the leisure industry. Strong and reliable, the Pro-Pac Commercial Range includes five models up to 120kW output and are available in summer and reverse cycle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



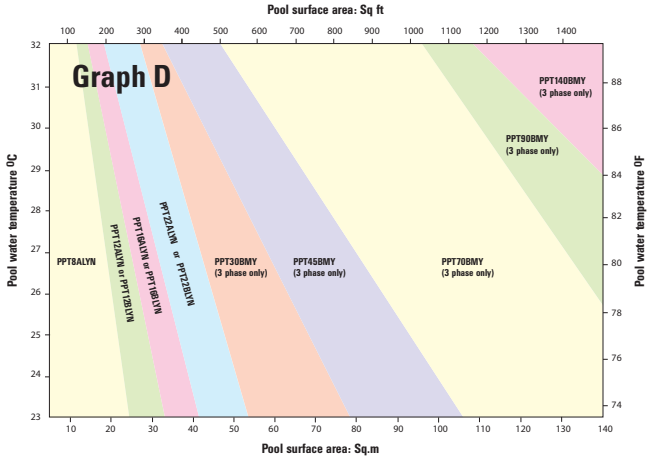
May - September Season
(approx 22-24 weeks)



April - October Season
(approx 30-32 weeks)



March - November Season
(approx 38-40 weeks)



All Year Round

For Domestic Pools

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
- Sheltered location

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

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THE SWIMMING POOL AND ALLIED TRADES ASSOCIATION SPATA

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