



## **Pro-Pac 30-140**

Specifically designed heat pumps  
for commercial swimming pools

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# Heat pumps for commercial swimming pools

Calorex Pro-Pac commercial heat pumps are specifically designed to economically provide swimming pool water heating to high activity and larger pools such as those in camp sites, leisure parks, hotels etc.

## Why Calorex?

Calorex is a leading British manufacturer of swimming pool heat pumps and dehumidifiers. With nearly 40 years of design expertise, Calorex is renowned for its innovation, range and quality of products with an expert sales and services team dedicated to meeting our customer's requirements. Our presence is international with thousands of Calorex units operating in over 60 countries worldwide.

## What do they do?

Heat pumps are recognised as the most sustainable way to dynamically heat swimming pool water and with a Calorex heat pump you will save both energy and operating costs. Calorex Pro-Pac heat pumps are available for seasonal use during typical outdoor pool usage periods, or for indoor pool, all year round enjoyment.

## Advantages of a heat pump

- The most efficient way to heat water
- Up to 47% operating cost saving against fossil fuel boilers
- Up to 60% carbon saving against fossil fuel boilers
- No flues or storage tanks
- Minimal maintenance
- Easy to retrofit to existing swimming pool systems

## Key features

- Capacities from 32kW to 125kW
- Designed and built in the UK to ISO9001
- Purpose designed components for pool heating
- Can be installed outside or in a plant room
- High efficiency spiral wound full flow titanium condenser
- Leading brand scroll compressors
- Quiet, efficient outlet axial fans
- Plastisol coated cabinet
- Water flow switch
- Condensate collector

## Options

- Soft start
- High pressure fan



# Technical data

Standard models operate from +10°C ambient temperature Y models operate from -15°C ambient temperature	Units	PRO-PAC 30 PRO-PAC 30Y	PRO-PAC 45 PRO-PAC 45Y	PRO-PAC 70 PRO-PAC 70Y	PRO-PAC 90 PRO-PAC 90Y	PRO-PAC 140 PRO-PAC 140Y
<b>Output</b>						
Output @ +15°C ambient temperature	kW	32.4	39.3	62.2	78.6	124.5
Output @ +7°C ambient temperature	kW	25.9	31.7	50.2	63.4	100.4
Output @ -3°C ambient temperature*	kW	16.2	20.3	32.1	40.6	64.3
Input @ +15°C ambient temperature	kW	7.14	8.2	12.8	16.4	25.6
<b>Electrical data</b>						
Electrical supply (50 Hz)	3PH	400 v	400 v	400 v	400 v	400 v
Minimum supply capacity (A)	3PH	20	22	35	43	67
Recommended supply fuse (A)	3PH	30	30	50	60	100
<b>Air data</b>						
Nominal air flow	m³/h	5500	12000	14000	24000	28000
<b>Water data</b>						
Water flow	l/min	250	300	500	600	1000
Pressure drop	m hd	0.7	0.4	1.5	1.4	2.1
Water connections	inch	2 Union	2 Union	3 BSPM	3 BSPM	4 BSPM
<b>General data</b>						
Compressor		1 x Scroll Titanium	1 x Scroll Titanium	1 x Scroll Titanium	2 x Scroll Titanium	2 x Scroll Titanium
Condenser						
Sound level @ 10 m	dB(A)	50	53	57	59	60
Sound level @ 3 m	dB(A)	61	64	65	61	65
<b>Dimensions</b>						
Width	mm	1585	1695	1840	2095	2250
Depth	mm	790	1060	1190	1190	1650
Height	mm	1080	1330	1310	1350	1340
Weight - Standard models	kg	219	330	417	633	816
Weight - Y models	kg	233	337	435	661	880

\* Y model only

- Standard models (with ambient defrost) operate in air temperatures above +10°C. These models are designed for seasonal use
- Pro-Pac Y 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





Our products are designed and manufactured in the UK

### Technical support and service

Comprehensive technical support is provided by our experienced and well qualified team



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