Heat pumps for commercial swimming pools

Pro-Pac 30-140

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

Pro-Pac 30

Pro-Pac 90

Control panel

Advantages of a heat pump

- The most efficient way to heat water
- Up to 334% operating cost saving against fossil fuel boilers
- Up to 50% 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 tube in tube Titanium condenser
- Leading brand scroll compressors
- Water flow switch

Options :

- Soft start
- High pressure fan
- Condensate collector

Pro-Pac heat pumps for commercial swimming pools

Technical data

Standard models operate from +10°C ambient temperature Y Models operate from -15°C ambient temperature		Pro-Pac 30 Pro-Pac 30 Y	Pro-Pac 45 Pro-Pac 45 Y	Pro-Pac 70 Pro-Pac 70 Y	Pro-Pac 90 Pro-Pac 90 Y	Pro-Pac 140 Pro-Pac 140 Y
Output						
Heat output @ +15°C	kW	32.4	39.3	62.2	78.6	124.5
Heat output @ +7°C	kW	25.9	31.7	50.2	63.4	100.4
Heat output @ -3°C	kW	16.2	20.3	32.1	40.6	64.3
Input @ +15°C	kW	7.14	8.2	12.8	16.4	25.6
Electrical data						
Electrical supply (50 Hz)	3 PH	400 v	400 v	400 v	400 v	400 v
Minimum supply capacity (A)	3 PH	20	25	42	50	67
Recommended supply fuse (A)	3 PH	30	35	50	70	100
Air data						
Nominal air flow	m^3/h	6300	12000	14000	24000	28000
Water data						
Water flow	l/min	123	246	369	492	738
Pressure drop	m hd	4.2	4	4	4	4
Water connections	inch	1 ½ BSPM	2 BSPM	2 BSPM	3 BSPM	3 BSPM
General data						
Compressor		1 x Scroll	1 x Scroll	1 x Scroll	2 x Scroll	2 x Scroll
Condenser		Titanium	Titanium	Titanium	Titanium	Titanium
Sound level @ 10 m	dB(A)	50	53	57	59	60
Sound level @ 3 m	dB(A)	62	64	68	73	71
Dimensions						
Width (unpacked)	mm	1555	1665	1810	2065	2210
Depth (unpacked)	mm	790	1060	1190	1190	1650
Height (unpacked)	mm	1080	1310	1310	1330	1340
Weight - standard models (unpacked)	Kg	219	329	417	465	858
Weight - reverse cycle Y models (unpacked)	Kg	233	339	427	475	872

Calorex reserve the right to modify this specification at any time. Please contact us for accurate sizing.

Conception & réalisation Olivier Roy : contact@orinfographie.fr

Pro-Pac 70

- 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.

Technical support and service: Comprehensive engineering support is supplied by our experienced and well qualified team.

Contact: Calorex Heat Pumps Limited - Maldon CM9 4XD United Kingdom
UK Tel: +44 (0)1621 856611 - UK Fax: +44 (0)1621 850871
e-mail: sales@calorex.com - www.calorex.com