

calorex®

Heat pumps for domestic swimming pools

Pro-Pac 8-22 & Pro-Pac 8-22 Y

Calorex Pro-Pac heat pumps are specifically designed for swimming pool heating. Heat pumps are recognized 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.



Front view



Back view



Control panel

Advantages of a heat pump

- Up to 400% operating cost and carbon saving against direct electric heaters
- Up to 34% operating cost saving against fossil fuel boilers
- Up to 50% carbon saving against fossil fuel boilers
- No flues or fuel storage tanks
- Minimal maintenance
- Easy to retrofit to existing swimming pool systems

Key features at a glance

- Designed and built in the UK to ISO 9001, for the UK climate
- Purpose designed components for swimming pool heating
- Can be installed outside or in a plant room
- High efficiency spiral wound tube in tube Titanium condenser
- Leading brand rotary or scroll compressors
- Water flow switch
- Pool pump synchronisation control
- Remote thermostat options
- Capacities from 8kw to 22kw
- Choice of single or three phase
- Soft start options
- Nationwide service

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Pro-Pac heat pumps

Technical data

Standard models operate from +10°C ambient temperature Y Models operate from -15°C ambient temperature		Pro-Pac 8 Pro-Pac 8 Y	Pro-Pac 12 Pro-Pac 12 Y	Pro-Pac 16 Pro-Pac 16 Y	Pro-Pac 22 Pro-Pac 22 Y
Output					
output @ +15°C ambient temperature	kW	8.8	12	15.2	21
output @ +7°C ambient temperature	kW	7	9.5	12.3	16.5
output @ -3°C ambient temperature	kW	4.5	6.1	7.9	10.6
Input @ +15°C ambient temperature	kW	1.95	2.6	3.35	4.45
Electrical data					
Electrical supply (50 Hz)	1 PH	230 v	230 v	230 v	230 v
	3 PH	400 v	400 v	400 v	400 v
Minimum supply capacity (A)	1 PH	14	17	21	31
	3 PH	6	6,4	8	13
Recommended supply fuse (A)	1 PH	20	25	30	42
	3 PH	10	10	15	20
Fan					
Air flow	m ³ /h	2200	3300	3500	4900
Water					
Flow rate	l/min	115	115	123	123
Pressure drop	m hd	2.5	2.5	3.5	3.5
Water connections	inch	1 ½ BSPM	1 ½ BSPM	1 ½ BSPM	1 ½ BSPM
General data					
Compressor		1 x Rotary Titanium	1 x Rotary Titanium	1 x Scroll Titanium	1 x Scroll Titanium
Condenser					
Sound level @ 10 m	dB(A)	38	39	41	44
Sound level @ 3 m	dB(A)	49	50	52	55
Dimensions					
Width	mm	1049	1227	1377	1377
Depth	mm	593	593	602	602
Height	mm	720	720	720	720
Weight - standard models	Kg	93	104	132	133
Weight - reverse cycle Y models	Kg	102	111	141	142



Pro-Pac 8-22 & Pro-Pac 8-22 Y
Water connections

PP Dom Pool V1

- 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.

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