Heat pumps for domestic swimming pools

Pro-Pac 8-22

Summer Extended All Season Use

Calorex Pro-Pac 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 heat pump you will save both energy and operating costs.
Calorex Pro-Pac X heat pumps are designed to work throughout the year when air temperatures are above 5°C.
Pro-Pac X heat pumps are suitable for outdoor pool heating or pools with a semi-permanent enclosure to extend the useable period of a normal outdoor pool.
Calorex Pro-Pac Y heat pumps are designed to operate in air temperatures as low as -15°C and are ideally suited for heating indoor or outdoor pools all year round.

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
- Intelligent electronic defrost improves early and late season performance (X models)
- Can be installed outside or in a plant room
- High efficiency full flow Titanium condenser
- Leading brand rotary or scroll compressors
- Water flow switch
- Pool pump synchronisation control
- Touch screen controls
- Capacities from 8kw to 22kw
- Choice of single or three phase
- Soft start options
- Remote thermostat options
- Nationwide service

Pro-Pac heat pumps

Technical data

X Models operate from +5°C ambient temperature Y Models operate from -15°C ambient temperature		Pro-Pac 8X Pro-Pac 8Y	Pro-Pac 12X Pro-Pac 12Y	Pro-Pac 16X Pro-Pac 16Y	Pro-Pac 22X Pro-Pac 22Y
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	19.8	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	4100
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	1 x Rotary	1 x Scroll	1 x Scroll
Condenser		Titanium	Titanium	Titanium	Titanium
Sound level @ 10 m	dB(A)	38	39	41	44
Sound level @ 3 m	dB(A)	50	47	48	52
Dimensions					
Width	mm	1264	1264	1264	1264
Depth	mm	594	594	600	600
Height	mm	725	725	725	904
Weight - X models	Kg	91	96	113	119
Weight - Y model	Kg	96	105	131	141

* Y model only

Water connections

- Pro-Pac X models operate in air temperatures above +5°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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