



INVERTER HEAT PUMPS I-PAC 50-100BHC

Heat pumps for commercial swimming pools

CALOREX HEAT PUMPS

INVERTER TECHNOLOGY

Inverter technology allows for efficient control of the pool temperature, and the I-PAC BHC only uses what energy is needed when it is required. High efficiency with modulating step-less inverter compressor giving an average COP of 10.5 (I-PAC 100BHC) and 10.0 (I-PAC 50BHC).

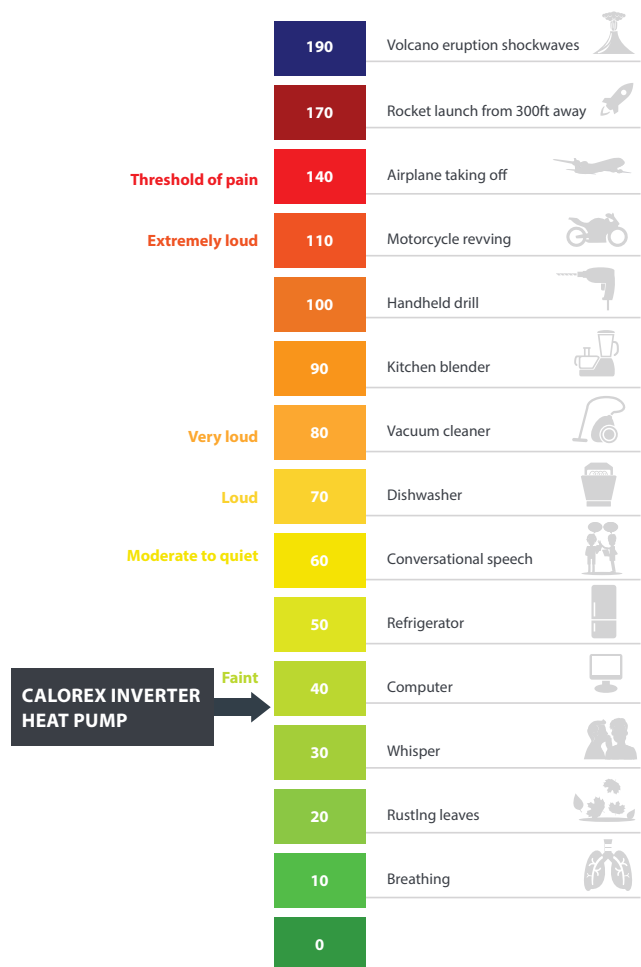


I-PAC 50

Features

- Average COP 10 = +2 x more efficient than on/off heat pumps
- Inverter heat pump
- Titanium heat exchanger
- Fully automatic operation
- Comprehensive circuit protection
- Quiet efficient axial fans
- Weather proof construction
- Multifunction operation functions can be set to heating, heat/cool and cooling
- 10-12 dB(A) sound reduction than on/off heat pump with 'Whisper Mode'
- 'Enhanced Vapour Injection' technology for efficient operation, even on the hottest summer days
- Soft start-up
- Aluminium alloy
- 50/60Hz compatible
- Optimised for Gulf climate
- BMS Connectivity
- Built-in Wi-Fi module

Where our heat pump sits on the decibel scale



Two modes, Whisper and Boost. Boost mode for quick start up heating. Whisper mode for super quiet and energy efficient day to day running.

Applications

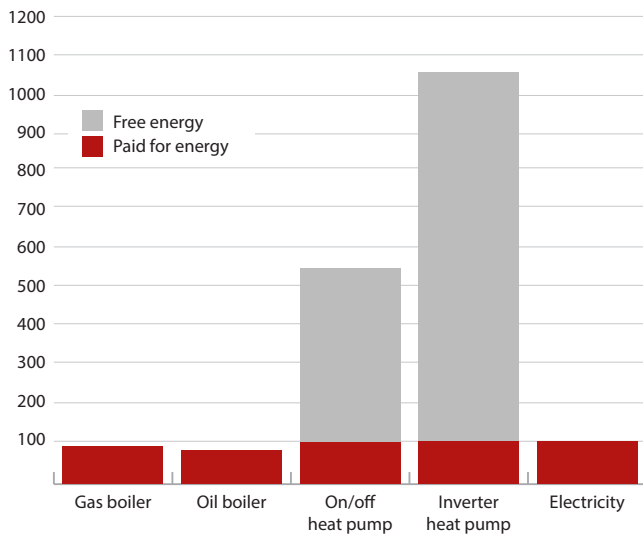
- Outdoor and indoor pools (Gulf and SE Asia)
- Hotel and spa pools
- Health clubs
- Wellness centres
- Therapy pools



The PoolTherm App for our Calorex I-PAC inverter heat pumps is available on Android and iOS. Simply search for 'PoolTherm' in App Store or Google Play and download it today!



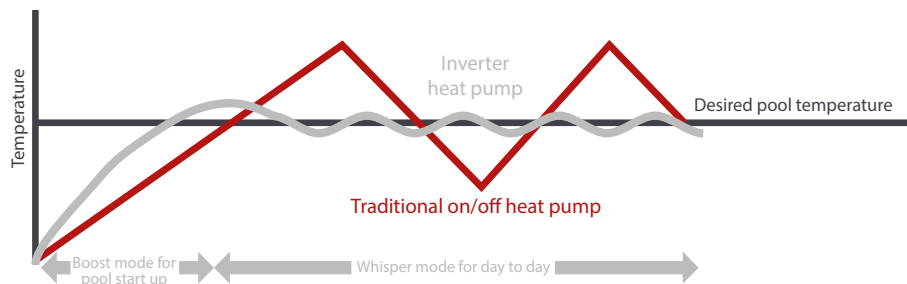
Heating method efficiency chart



Great value, and environmentally conscious heating option, with energy consumption half that of a traditional on/off heat pump, and 1/10 of that for gas or electric pool heating.



Temperature control chart



Specifications	Units	I-PAC 50BHC	I-PAC 100BHC
Performance – air 27°C 80% RH, water 27°C			
Heating capacity	kW	60.2	115.0
Average COP @50% speed		10.5	10.0
Performance – air 15°C 70% RH, water 26°C			
Heating capacity	kW	40.1	80.8
Average COP @50% speed		7.0	7.0
Performance – air 45°C 50% RH, water 32°C			
Cooling capacity	kW	25.1	50.3
Air temperature range	°C	0-55	0-55
Power supply	V/Hz	400/3ph/50	400/3ph/50
Rated input power	kW	2.26-8.90	4.68-17.5
Rated current input	A	3.27-12.9	6.78-25.3
Max. input current	A	19	38
Water flow	m ³ /h	20-25	40-50
Water connection	mm	75	110
Compressor		Inverter	Inverter
Heat exchanger		Titanium	Titanium
R410A gas weight and CO ₂ equivalent	kg/tons	8.0/16.70	16/33.41
Sound level @ 1m	dB(A)	53-61	55-64
Sound level @ 10m	dB(A)	33-41	35-44
Product size (l x w x h)	mm	1000 x 1110 x 1260	2100 x 1090 x 1280
Weight	kg	247	453

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