



INVERTER HEAT PUMPS

## **i-SILENT**

FOR INDOOR AND OUTDOOR PRIVATE SWIMMING POOLS AND SPAS

## SWIMMING POOL HEAT PUMPS

# i-SILENT

SET new range of inverter heat pumps are specifically designed for heating small and medium sized outdoor swimming pools and spas.



Offering a very high heat output using very little energy, the i-Silent range stands out for its environmental friendliness and operational cost effectiveness. In fact, their energy consumption is approximately half that of traditional on/off heat pumps and 1/10 of that of gas or electrical pool heaters.

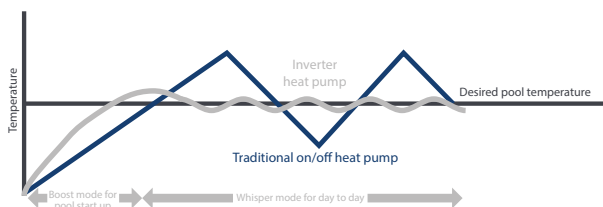
In addition, it does not require a fuel storage tank or high-capacity electrical supply. And it does not emit any CO<sub>2</sub> gases, fumes or smells.

Specifically designed for operation down to -10°C, the i-Silent heat pumps will extend your pool season by several months too.

### Rapid installation, flexible operation

The i-Silent heat pumps are built with easy installation in mind. In terms of operation, you'll note that the highly efficient units are very quiet, reliable and safe to use.

### Temperature control chart



### Optional accessories



Remote LED control kit

### Features

- Inverter heat pump
- Average COP 9.7 = 2 x more efficient than on/off heat pumps
- Eco-friendly refrigerant R32 = 675 GWP, (Global Warming Potential)
- Increased range of performance ratings from 10.2 to 23.2kW
- 9-11 dB(A) sound reduction compared to an equivalent on/off heat pump, with 'Whisper Mode'
- Multifunction operation functions can be set to heating, heat/cool and cooling
- Soft start-up
- Robust housing made of eloxated aluminium
- Built-in Wi-Fi module
- Winter protection cover included

### Benefits

- All year heating for outdoor and indoor pools
- Can operate down to -10°C ambient air temperature
- High heating performance at lower temperatures – ideal for quick pool heat up at the start of the season
- Pool heating at altitude
- Higher cooling capacity
- Most efficient models – highest COP



### Controls

The i-Silent heat pump has an integrated controller with a touchscreen user interface.

The basic functions are:

- Function settings for: Heating, Cooling or Heat/Cool
- 24-hour time clock
- Timer ON/OFF
- Parameter adjustment



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



# SWIMMING POOL HEAT PUMPS

## i-SILENT

### New refrigerant gas

With the introduction F-Gas regulations in Europe, our new heat pump will use the low Global Warming Potential (GWP) refrigerant R32.

This refrigerant:

- Has a low GWP (675)
- Zero ozone depleting potential (ODP)
- Is F-Gas phase down compliant
- Requires less refrigerant volume per kW
- Is easier to reuse and recycle

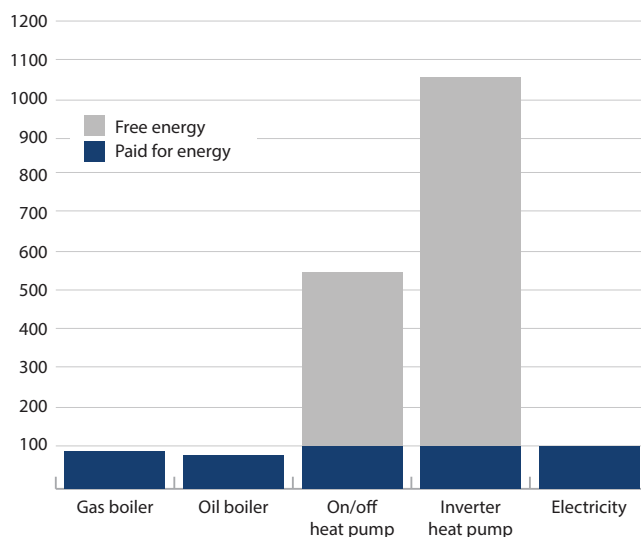


### Applications

- Outdoor pools
- Private pools
- Spa pools
- Therapy and wellness pools



### 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.

Specifications	Units	i-SILENT 10	i-SILENT 15	i-SILENT 20	i-SILENT 25
Operating temperature range	°C	-10 to 40	-10 to 40	-10 to 40	-10 to 40
Water temperature range	°C	12 to 40	12 to 40	12 to 40	12 to 40
<b>Performance – air 15°C 70% RH, water 26°C</b>					
Heating capacity	kW	10.2	14.1	17.5	23.2
<b>Performance – air 5 °C, 70 % RH, water 10 °C</b>					
Heating capacity	kW	7.4	9.5	11.8	15.8
<b>Performance – air 35 °C, 80 % RH, water 28 °C</b>					
Cooling capacity	kW	6.5	9.3	11.7	15.8
Power supply	V/Hz	230/1ph/50	230/1ph/50 or 400/3ph/50	400/3ph/50	400/3ph/50
Rated input power	kW	2.2	3.1	3.9	5.2
Rated input current	A	10	13.6/3 x 4.5	3 x 5.6	3 x 7.5
Maximum input current	A	13.5	17.0 /3 x 5.8	3 x 7.0	3 x 9.5
Water flow	m <sup>3</sup> /h	4 – 6	7 – 10	08 - 12	10 - 14
Water connection	inch/mm	1½/50	1½/50	1½/50	1½/50
Compressor		Inverter	Inverter	Inverter	Inverter
Condenser		Titanium	Titanium	Titanium	Titanium
R32 gas weight	kg	0.9	1.1	2	2.7
Sound level @ 10m	dB(A)	20.5 – 24.0	20.5 – 33.5	23.0 – 35.0	22.8 – 34.5
Sound level @ 1m	dB(A)	40 – 45	40 – 53	43 - 55	42.8 – 54.5
Product size (w x d x h)	mm	980 x 360 x 680	980 x 420 x 780	1120 x 420 x 980	1190 x 540 x 980
Weight	kg	55	70	95	125

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