

SMALL INVERTER HEAT PUMPS

I-PAC+ 12-16-22-28



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



- COP >10 = 2 x more efficient than on/off heat pumps
- Eco-friendly refrigerant R32 = 675 GWP, (Global Warming Potential)
- Inverter heat pump
- Power ratings from 15 to 36kW
- 9-11 dB(A) sound reduction compared to an equivalent on/off heat pump, with 'Whisper Mode'.
- Operates in air temperatures of -10°C to +43°C
- Integrated controller with a touchscreen user interface
- Function settings for heating, cooling or heat/cool
- Soft start-up
- Aluminium alloy
- Built-in Wi-Fi module
- Winter protection cover included



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!



Included in the box



Rubber feet
(kit of 4)
1005526



Drainage kit
1005558



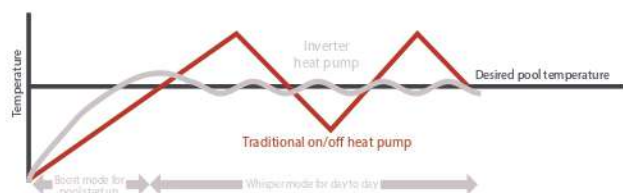
Water union
connectors 2 x 1½
2 x 50mm 1005629

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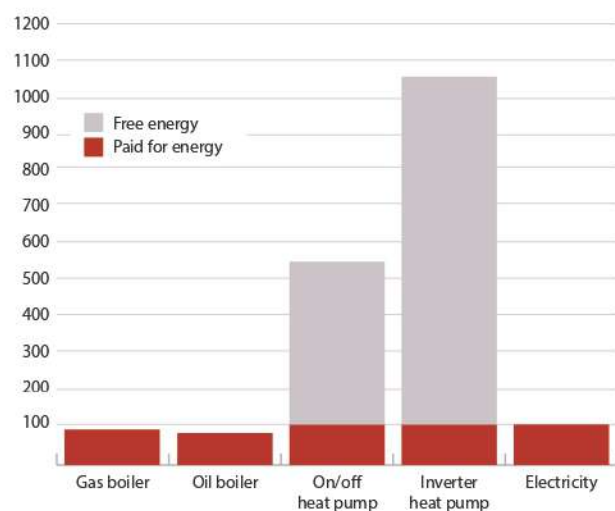
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Temperature control chart



Heating method efficiency chart

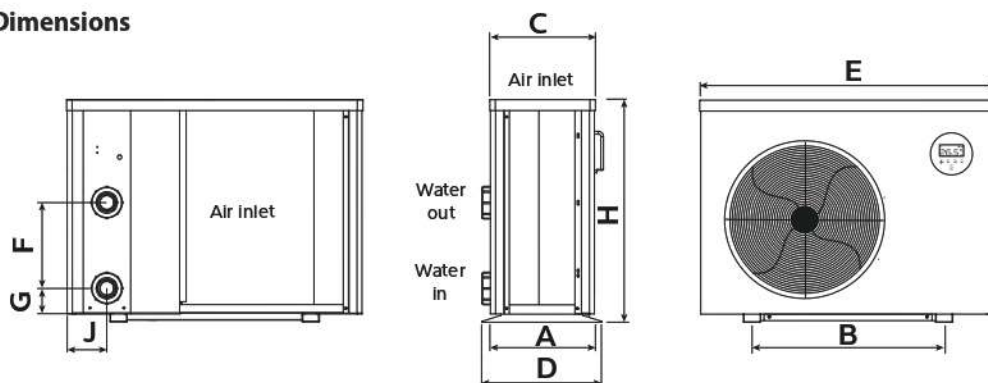


Great value, and environmentally conscious heating option, with energy consumption half that of a traditional on/off heat pump, and 1/10 of that for gas or electric pool heating.

Where our heat pump sits on the decibel scale



Dimensions



Model	A	B	C	D	E	F	G	H	J
I-PAC 12ALY	334	590	318	359	954	340	74	648	107
I-PAC 16ALY	404	590	388	429	954	460	74	755	107
I-PAC 16BLY	404	590	388	429	954	460	74	755	107
I-PAC 22ALY	404	720	388	429	1084	620	74	948	107
I-PAC 22BLY	404	720	388	429	1084	620	74	948	107
I-PAC 28BLY	514	790	498	539	1154	650	74	948	128

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Specifications	Units	I-PAC 12ALY	I-PAC 16ALY	I-PAC 16BLY	I-PAC 22ALY	I-PAC 22BLY	I-PAC 28BLY
Air temperature range	°C	-10-43	-10-43	-10-43	-10-43	-10-43	-10-43
Water temperature range	°C	12-40	12-40	12-40	12-40	12-40	12-40

Performance – air 27°C 80% RH, water 27°C

Heating capacity	kW	15.0	21.0	21.0	27.5	27.5	36.0
COP range		15.0-6.6	14.8-6.4	14.8-6.4	15.0-6.8	15.0-6.5	14.8-6.0
Average COP at 50% speed		10.6	10.3	10.3	10.3	10.3	10.2

Performance – air 15°C 70% RH, water 26°C

Heating capacity	kW	10.5	14.5	14.5	18.0	18.0	23.9
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Performance – air 5°C 70% RH, water 10°C

Heating capacity	kW	7.5	9.6	9.6	11.9	11.9	16.0
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Performance – air -10°C 70% RH, water 23°C

Heating capacity	kW	4.6	5.9	5.9	7.3	7.3	8.8
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Performance – air 35°C 80% RH, water 28°C

Cooling capacity	kW	6.7	9.5	9.5	11.9	11.9	16.0
Power supply	V/Hz	230/1ph/50	230/1ph/50	400/3ph/50	230/1ph/50	400/3ph/50	400/3ph/50
Rated input power	kW	0.27-2.28	0.41-3.15	0.41-3.15	0.48-3.91	0.48-3.91	0.64-5.20
Maximum input current	A	13.5	17.0	5.8	20.0	7.0	9.5
Water flow	m³/h	5.0-7.0	8.0-10.0	8.0-10.0	10.0-12.0	10.0-12.0	12.0-18.0
Water connection	"/mm	1½/50	1½/50	1½/50	1½/50	1½/50	1½/50
Compressor		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
Condenser		Titanium	Titanium	Titanium	Titanium	Titanium	Titanium
R32 gas weight/CO ₂ equivalent	kg/t	0.9/0.61	1.2/0.81	2.0/1.35	1.2/0.81	2.0/1.35	2.7/1.82
Sound level @ 10m	dB(A)	20.8-24.5	20.4-33.7	20.4-33.7	23.0-34.4	23.0-34.4	22.1-34.2
Product size (w x d x h)	mm	954 x 359 x 648	954 x 429 x 755	954 x 429 x 755	1084 x 429 x 948	1084 x 429 x 948	1154 x 539 x 948
Weight	kg	52	68	68	90	93	120