



AIR SOURCE INCALESCENT
SWIMMING POOL HEAT PUMPS

The most economical way to heat your swimming pool efficiently.

PACIFIC BREEZE AIR SOURCE INCALESCENT
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A Pacific Breeze swimming pool heat pump is one of the most economical, eco friendly and reliable ways of heating your swimming pool efficiently.

Swimming pool heat pumps do not generate heat directly, they use a small amount of electricity to capture the abundant heat in the air and move it efficiently into the water within your swimming pool. These types of pool heat pumps can typically be over 4 to 5 times more efficient than traditional heating. The swimming pool heat generated from a stylishly good looking and extremely reliable Pacific Breeze heat pump means you can extend the seasons instead of only enjoying the pool in the summer.

ECO FRIENDLY

The Heat Pump uses R410A Refrigerant which is ozone friendly, dramatically reducing Carbon Emissions.

TITANIUM HEAT EXCHANGER

The advanced titanium heat exchanger guarantees a longer life span, free of corrosion. It can be used with all types of water treatment including chlorine, iodine, bromine and salt water.

MULTIPLE FUNCTIONS

Cooling and heating functions available
Auto operation, auto-restart, auto defrost, auto timer on/off:
No human attendance is required
Water temperature range: - 8° to 40°

RELIABLE OPERATION

The Heat Pump has several built in safety features, which include insufficient water flow protection, high/low pressure protection, overload protection and compressor protection.

SELF-DIAGNOSIS

If a malfunction occurs, the swimming pool heat pump will make self-diagnosis by displaying an error code on the control panel.

APPLICATIONS AND USAGE

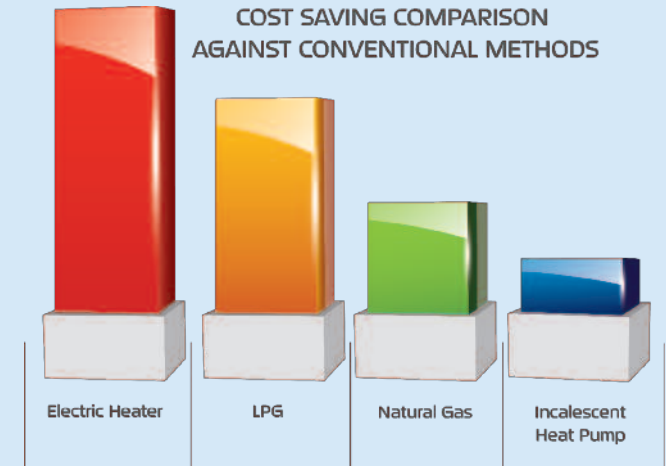
- Outdoor pools
- Private pools
- Spa pools
- Above ground pools
- Wellness rooms/centres
- Therapy pools

FEATURES

- Efficient and attractive visual appearance
- A durable ABS casing
- Titanium heat exchanger
- 'Smart' pool pump control
- Scroll or Rotary compressor
- Reverse cycle defrost – operation to 3°C air temp
- Can heat the pool water up to 40°C
- Condensate collection
- Water flow switch

THE BENEFITS OF USING AN INCALESCENT HEATER

- Up to 4 to 5 times the operating cost and carbon saving against direct conventional electric heaters
- No flues or fuel storage tanks
- Simple installation and a long service life
- Minimal maintenance
- Easy to retrofit to existing swimming pool systems



Pacific Breeze



I N C A L E S C E N T S W I M M I N G P O O L H E A T P U M P S P E C I F I C A T I O N

TEST CONDITION		MODEL PB-9	MODEL PB-12	MODEL PB-15	MODEL PB-17	MODEL PB-21
For pools with surface areas up to:		20m ²	30m ²	35m ²	40m ²	50m ²
Ambient air 20°C Water out 26°C 60% RH	Capacity (kW)	7.42	9.36	11.62	13.45	18.05
	Power input (kW)	1.32	1.49	1.88	2.12	3.05
	COP	5.61	6.29	6.17	6.35	5.91
Ambient air 15°C, Water out 26°C 70% RH	Capacity (kW)	5.57	7.36	9.42	10.3	14.55
	Power input (kW)	1.20	1.53	1.83	2.02	3.06
	COP	4.63	4.8	5.14	5.1	4.76
Power supply	220~240V/1 phase/50Hz					
Max power input	kW	2.31	2.69	3.81	3.81	5.92
Max current	A	10.5	12.23	15.18	17.32	26.91
Water flow	m ³ /h	4.2	5.2	6.4	7.4	9.1
Refrigerant	R410A					
Min pressure/max pressure	1.5/4. 15Mpa					
Package dimensions (mm)	953mm x 447mm x 837mm				1142mm x 517mm x 892mm	
Carton box dimensions (mm)	953mm x 447mm x 700mm				1142mm x 517mm x 770mm	
Unit net dimensions (mm)	927mm x 440mm x 694mm				1110mm x 506mm x 747mm	
Net weight kg		50	59	62	71	96
Carton box dimensions (mm)		68	75	79	92	118
Noise (dBA)		<28	<29	<29	<30	<30
Compressor type		Rotary	Rotary	Rotary	Rotary	Scroll
Water proof level	IPX4					

The information contained within this brochure is shown as correct at time of publication.
The company employs a policy of continuous improvement and it reserves the right to alter or amend the specification as necessary and without prior notice.

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