



AIR SOURCE VERTICAL INCALESCENT INVERTER  
**SWIMMING POOL HEAT PUMPS**  
Variable speed operation for even more efficient use

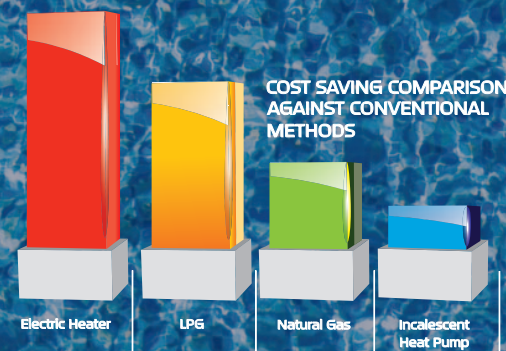


# PACIFIC BREEZE AIR SOURCE INCALSCENT INVERTER SWIMMING POOL HEAT PUMPS



The most economical way to heat your swimming pool efficiently.

- Advanced inverter technology.
- Quiet and cost-effective running.
- Plug and play installation and operation.
- Comprehensive self-protections ensure safe usage.
- Mobile phone app/WIFI control.





A new Pacific Breeze inverter swimming pool heat pump is one of the most economical, eco friendly and reliable ways of heating a swimming pool efficiently.

Heat pumps use a small amount of electricity to capture the abundant heat in the air and move it efficiently into the water within the swimming pool. An Inverter heat pump also operates by continually topping up that heat rather than by start-up heating each time and so are even more energy efficient. These types of pool heat pumps can be over 4 to 5 times more efficient than traditional heating.

#### ECO FRIENDLY

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

#### TITANIUM HEAT EXCHANGER

The 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.

#### APP CONTROL FROM YOUR MOBILE PHONE

Our accompanying phone app available with each heat pump allows you the smart control and quick and easy use that you and your customers deserve in this 21st century.

#### APPLICATIONS AND USAGE

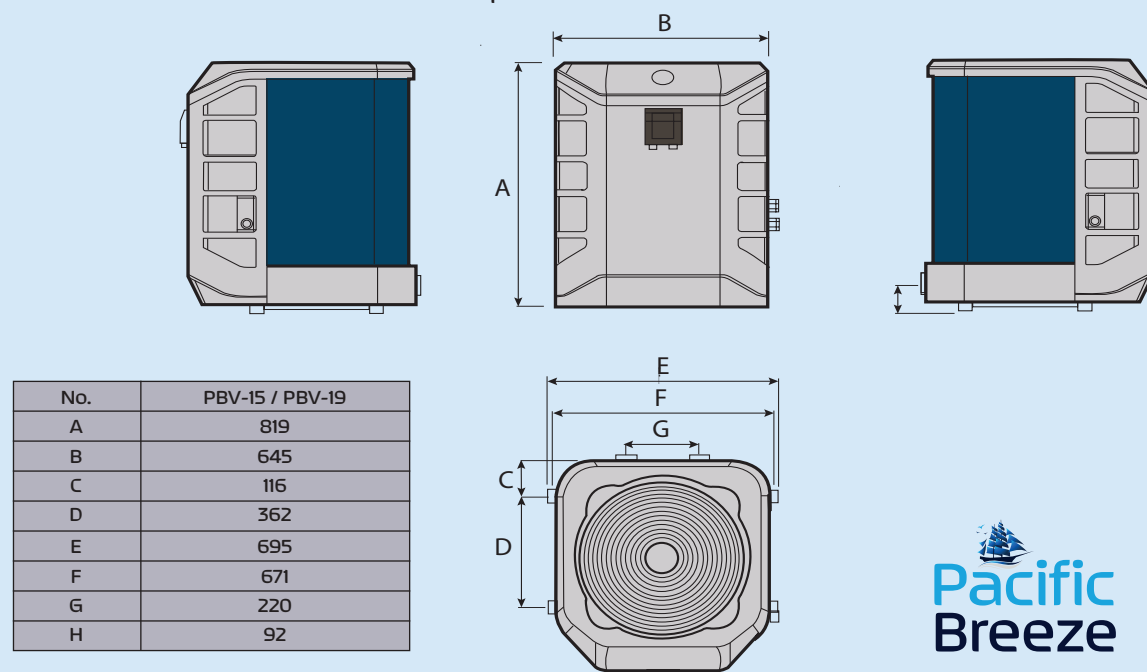
- Outdoor pools
- Private pools
- Spa pools
- Above ground pools
- Wellness rooms/centres
- Therapy pools

#### FEATURES

- Efficient and attractive visual appearance
- Thick galvanized and superior static coating cabinet or anti-UV ABS plastics providing stronger corrosion resistance.
- Titanium heat exchanger
- 'Smart' pool pump control via mobile phone app.
- 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
- Unique innovative vertical design with noise-absorb structure and components.
- Microprocessor controlled with digital display for "Touch&Go": No human attendance is required.

#### THE BENEFITS OF USING AN INVERTER INCALESCENT HEATER

- Advanced inverter technology.
- Stepless DC inverter compressor: adapt to air and water temperature to produce necessary output automatically, saves power consumption to achieve a higher COP and maintain comfortable pool temperature.
- Use DC fan to contribute more quiet and cost-saving running.
- Use less GWP R32 refrigerant: cut 70% F-gas cost as well as 70% carbon footprint than R41 DA.
- Multiple mode selection to suit for different applications: BOOST, SMART AND SILENT
  - BOOST: fast mode, saving time
  - SMART: adaptable mode, cut power consumption
  - SILENT: low noise mode, quiet for sleeping and neighborhood
- Extend swimming season for all-year-round use.
- With a spiral threaded anti-corrosive titanium heat exchanger to enlarge heat area, an inverter heat pump is more efficient than even traditional energy efficient incandescent pumps.



# INVERTER INCANDESCENT SWIMMING POOL HEAT PUMP SPECIFICATION

MODEL		PBV -15	PBV -19	PBV - 28
Air 27°C/ Water 27°C/ Humid. 80%	Capacity (kW)	15.09	30m <sup>2</sup>	35m <sup>2</sup>
	COP range	6.70 - 18.2	9.36	11.62
Air 15°C/ Water 26°C/ Humid. 70%	Capacity (kW)Y	11.38	1.49	1.88
	COP range	4.88 - 8.9	6.29	6.17
Power supply		220V - 240V /1 Ph		
Rated input power	kW	0.2-2.24	1.53	1.83
Maximum input current	A	11.5	4.8	5.14
Refrigerant		R32		
Compressor		MITSUBISHI	MITSUBISHI	TOSHIBA
Fan		DC inverter fan		
Condenser		Spiral threaded Titanium in PVC		
Water flow rate	m <sup>3</sup> /h	5-7	7-9	10-12
Water connector size	inch	1.5" female		
Sound pressure at 10mm	dB(A)	21-35	21-35	24-36
Unit nett dimensions L x W x H	mm	650mm x 650mm x 750mm	650mm x 650mm x 750mm	750mm x 750mm x 860mm
Package dimensions L x W x H	mm	670mm x 670mm x 870mm	670mm x 670mm x 870mm	770mm x 770mm x 980mm
Net weight	kg	70	80	95

PLEASE NOTE: PBV-15 and PBV-19 are stock held items. PBV-28 is special order only.

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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