

SENSAHEAT

Premium Inverter Pool & Spa Heat Pumps



Pool & Spa Heating **Evaluation**

Specific to your installation



SENSAHEAT

Thank you for inquiring about the Sensa-Heat range of Pool & Spa heaters.

Customer/Dealer Details

Customer Name :	SENSAHEAT	Date :	24.1.2021
Address of Pool :	20 Curtis Rd Mulgrave	State :	NSW
Email :	enquiries@sensaheat.com.au	Phone :	1300 498 819
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Dealer Name :		Dealer Contact :	
Email :		Reference :	

Pool Specification

Location :	NSW_Sydney	Max Run/Filter Time (Hours a day) :	10
Length (m) :	8	Pool Usage :	Domestic
Width (m) :	4	Pool Type :	InGround
Surface Area (m ²) :	32	Wind Exposure :	Sheltered
Average Depth (m) :	1.2	Shading :	None
Volume (L) :	38,400	Infinity edge (m) :	0
Outdoor :	Yes	Indoor Ambient Temp (°C) :	20
Pool Temp (°C) :	28	Electricity Cost (\$) :	\$0.2500

Heat Pump Options

	Solar Alternative	Extended Season	All Year	All Year Demand
	5 months (Nov - Mar)	7 months (Oct - Apr)	12 months (Filter Time)	12 months (*Demand)
ES-SERIES				
With Pool Cover	Eco Series 13kW	Eco Series 16kW	2x Eco Series 16kW	Eco Series 13kW
No Pool Cover	Eco Series 20kW	2x Eco Series 16kW	2x Eco Series 24kW	Eco Series 24kW
PI-SERIES				
With Pool Cover	PI Series 13kW	PI Series 17kW	PI Series 28kW	PI Series 13kW
No Pool Cover	PI Series 21kW	PI Series 28kW	2x PI Series 21kW	PI Series 21kW
TD-SERIES				
With Pool Cover	TD Series 13kW	TD Series 16kW	TD Series 26kW	TD Series 13kW
No Pool Cover	TD Series 21kW	TD Series 26kW	2x TD Series 21kW	TD Series 21kW

* Demand uses a control box to allow the heat pump to run up to 24 hrs a day. (more info on page 5)

- The above recommendations are a guide based on the information provided.

- An Installer/Technician should be able to determine in more detail the best model of heat pump to suit your Pool or Spa

Typical Annual Energy Cost (Excluding Service Charges)

ES-SERIES

With Pool Cover
No Pool Cover

PI-SERIES

With Pool Cover
No Pool Cover

TD-SERIES

With Pool Cover
No Pool Cover

Solar Alternative	Extended Season	All Year	All Year Demand
5 months (Nov - Mar)	7 months (Oct - Apr)	12 months (Filter Time)	12 months (*Demand)
\$293	\$642	\$2,012	\$1,945
\$768	\$1,364	\$3,608	\$3,608
\$262	\$593	\$1,725	\$1,741
\$655	\$1,169	\$3,161	\$3,161
\$281	\$567	\$1,891	\$1,863
\$673	\$1,282	\$3,247	\$3,247

*the above chart displays approximate running cost based on the listed electricity cost

Sensa-Heat Model Selection

ES-SERIES

Whilst the ES-SERIES is the entry level heater in the Sensa-Heat range its packed full of industry leading technology with efficiently surpassing most of it's rivals.

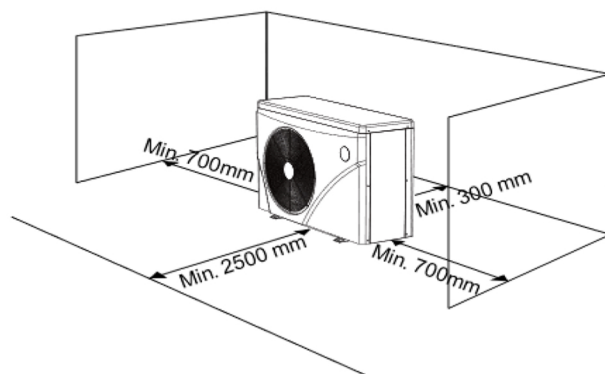


- * Extremely energy efficient, DC Inverter Technology as standard.
- * Reverse Cycle, Heating & Cooling as standard.
- * Anti corrosion Titanium heat exchanger with 25 years warranty.
- * Anti corrosion ABS and aluminium casing.
- * Wi-Fi fitted on all models.
- * R32 Eco friendly refrigerant.
- * Front discharge air flow.
- * Heats up to 40 degrees.

ES-SERIES Ventilation Requirements

All Sensa-Heat inverter heat pumps must be installed in an outdoor/well ventilated area.

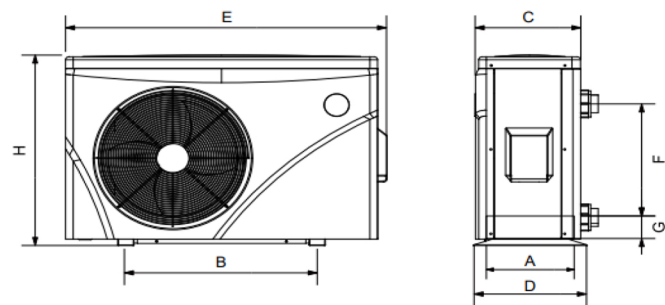
- * The diagram displays the minimum outdoor ventilation area required for optimum performance.
- * Locate the heat pump in an easily accessible position to ensure easy access for operation and service.
- * Ensure condensation water discharged from the bottom of the heat pump has a course to freely drain away.



ES-SERIES Dimensions

Size (mm) Model	Name	A	B	C	D	E	F	G	H
HPES09		324	560	347	349	903	250	74	654
HPES13		324	560	347	349	903	320	74	654
HPES16		324	590	347	349	991	350	74	654
HPES20		324	590	347	349	991	350	74	754
HPES24		395	590	415	420	990	460	74	757

※ Above data is subject to modification without notice.



ES-SERIES Electrical Requirements

Always consult your licenced electrician about your indivual requirements.
HPES09 is fitted with a 10amp plug.
HPES13 is fitted with a 15amp plug.
HPES16. HPES20 & HPES24 models are hard wired, single phase.

Model	HPES09	HPES13	HPES16	HPES20	HPES24
Maximum input current (A)	9.5	12.5	17	19.5	20

PI-SERIES

The PI-SERIES is the flag ship model of the SensaHeat range, offering the latest and most efficient inverter technology and an industry leading ultra quit operation.

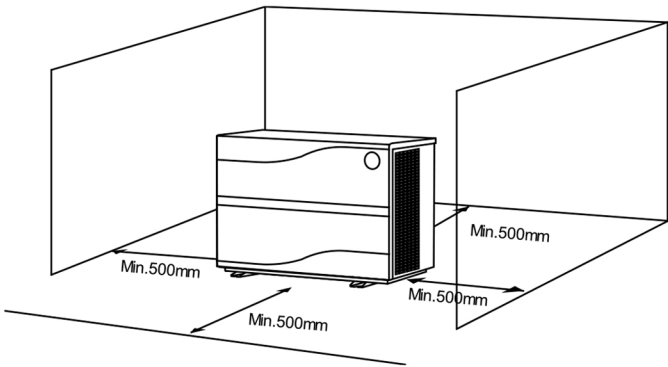


- * Latest inverter Technology.
- * Full DC inverter Mitsubishi twin-rotary compressor.
- * DC brushless variable speed fan motor.
- * Sound levels as low as a fridge.
- * Reverse air flow, air enters from the side and discharges from the back.
- * Reverse Cycle, Heating & Cooling.
- * Anti corrosion Titanium heat exchanger with 25 years warranty.
- * Anti corrosion ABS and aluminium casing.
- * Wi-Fi fitted on all models.
- * R32 Eco friendly refrigerant.
- * Heats up to 40 degrees.

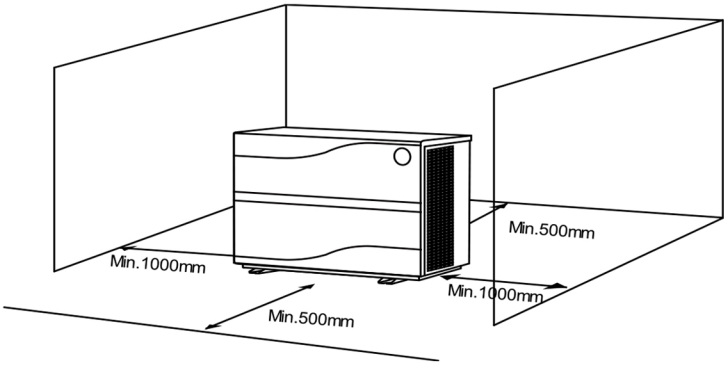
PI-SERIES Ventilation Requirements

- All Sensa-Heat inverter heat pumps must to be installed in an outdoor/well ventilated area.
- * The below diagrams display the minimum outdoor ventilation area required for optimum performance.
 - * Locate the heat pump in an easily accessible position to ensure easy access for operation and service.
 - * Ensure condensation water discharged from the bottom of the heat pump has a course to freely drain away.

Models
HPPI09, HPPI13, HPPI17

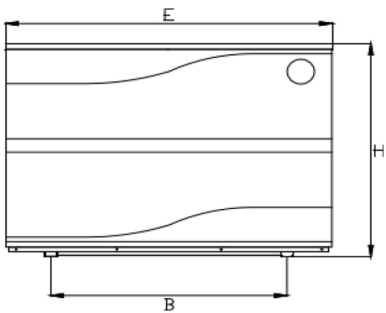
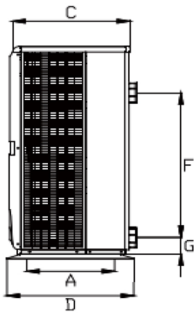


Models
HPPI21, HPPI28



PI-SERIES Dimensions

Size(mm) Model	Name	A	B	C	D	E	F	G	H
HPPI09		410	645	390	430	890	250	75	657
HPPI13		410	645	390	430	890	280	75	657
HPPI17		410	710	390	430	1060	320	75	657
HPPI21		410	710	390	430	1060	390	75	757
HPPI28		410	710	390	430	1060	640	75	957



PI-SERIES Electrical Requirements

Always consult your licenced electrician about your individual requirements.

HPPI09 is fitted with a 10amp plug.

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HPPI17. HPPI21 & HPPI28 models are hard wired, single phase.

Model	HPPI09	HPPI13	HPPI17	HPPI21	HPPI28
Maximum input current (A)	8.5	12	15	17	20

TD-SERIES

With all the advanced features of the PI Series, the TD Series has been designed for the trickier installations with a top discharge fan design giving more flexibility on installation.

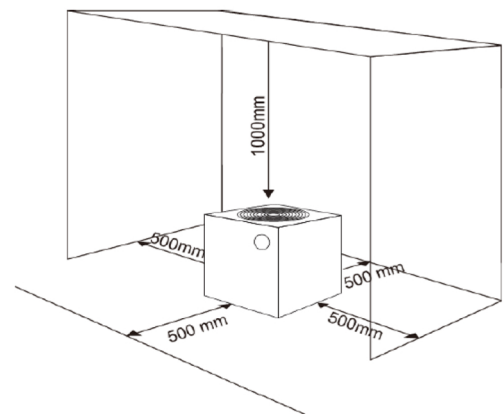


- * Latest inverter Technology.
- * Full DC inverter Mitsubishi twin-rotary compressor.
- * DC brushless variable speed fan motor.
- * Sound levels as low as a fridge.
- * Top discharge, making the tight installs easy.
- * Reverse Cycle, Heating & Cooling.
- * Anti corrosion Titanium heat exchanger with 25 years warranty.
- * Anti corrosion ABS and aluminium casing.
- * Wi-Fi fitted on all models.
- * R32 Eco friendly refrigerant.
- * Heats up to 40 degrees.

TD-SERIES Ventilation Requirements

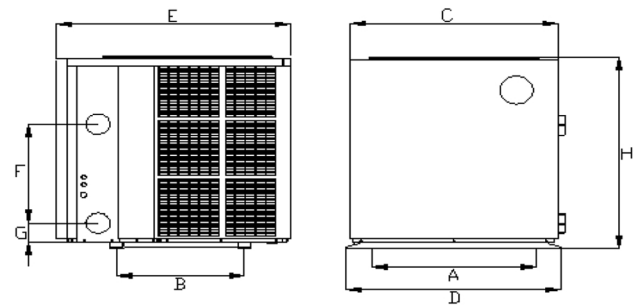
All Sensa-Heat inverter heat pumps must to be installed in an outdoor/well ventilated area.

- * The diagram displays the minimum outdoor ventilation area required for optimum performance.
- * Locate the heat pump in an easily accessible position to ensure easy access for operation and service.
- * Ensure condensation water discharged from the bottom of the heat pump has a course to freely drain away.



TD-SERIES Dimensions

Size(mm) Name	A	B	C	D	E	F	G	H
Model								
HPTD13	685	423	689	710	780	320	75	656
HPTD16	685	423	689	710	780	340	75	656
HPTD21	685	423	689	710	780	390	75	656
HPTD26	685	423	689	710	780	460	75	756



TD-SERIES Electrical Requirements

Always consult your licenced electrician about your individual requirements.

HPTD13 & HPTD16 are fitted with 15amp plugs

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HPTD21 & HPTD26 models are hard wired, single phase

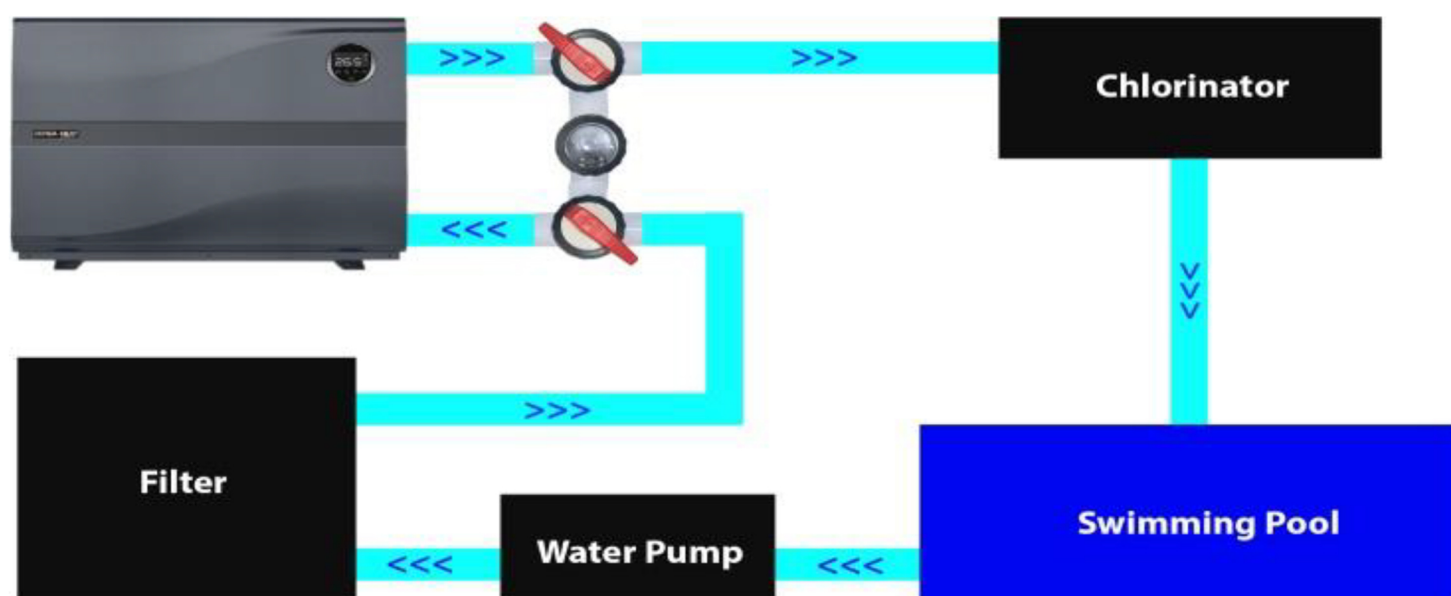
Model	HPTD13	HPTD16	HPTD21	HPTD26
Maximum input current (A)	12	13.5	17	20

Standard Plumbing Installation

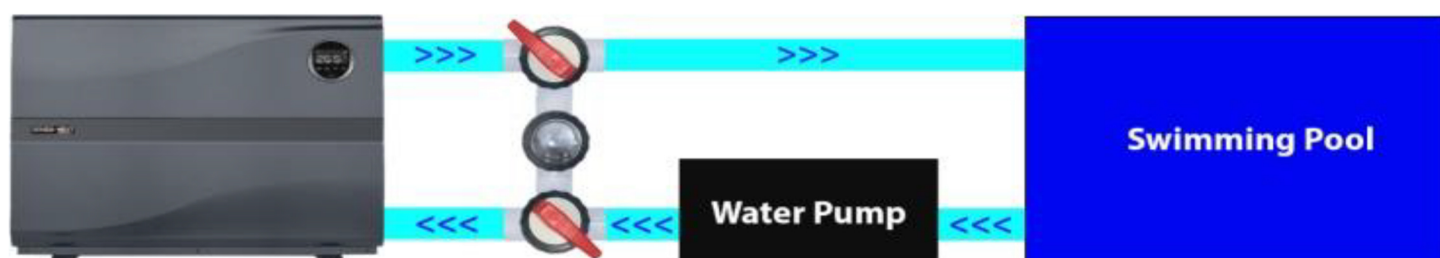
Below is a sample of the two most common ways to plumb in a heat pump.

Option one: Plumbing the heat pump into your current filtration system.

**This is the ideal type of installation to utilise the controller interface box .



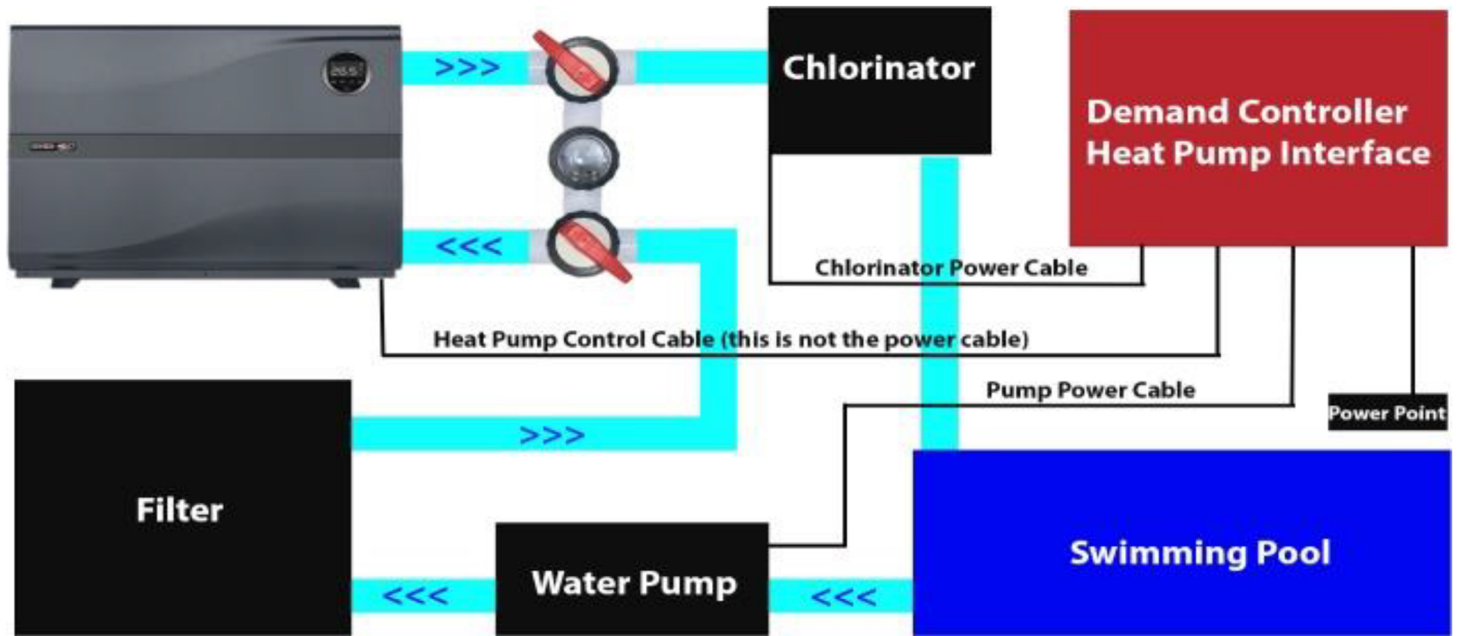
Option two: This option can be utilised if your swimming pool has dedicated suctions and return for a heat pump / solar system.



Heat Pump Demand Interface

The Sensa-Heat Interface Controller is a highly requirement addition when installing your heater inline with a pool filtration system.

The interface controller allows the heat pump to override the chlorinator and turn on the pool pump whenever required to heat. This feature is highly beneficial in cooler weather when a longer heat time is required.



The above information is general in nature, a professional installer should be consulted for your individual needs.