



ENJOY PERFECT
POOL & SPA
TEMPERATURES
ALL YEAR ROUND

COMPACT
RESIDENTIAL
POOL & SPA
HEAT PUMPS



COMPACT RESIDENTIAL SERIES POOL & SPA HEAT PUMPS



MAKE IT SWIM SEASON ALL YEAR ROUND WITH SOLAHART

A Solahart pool heat pump is an efficient and reliable way to keep your pool at a comfortable temperature for longer, making swimming enjoyable throughout more of the year. Unlike traditional heating systems, heat pumps transfer heat from the surrounding air into the pool water, using significantly less energy to produce heat. This makes it an economical choice for pool owners looking to reduce running costs, while also providing consistent and comfortable water temperatures all year round.

COMPACT SIZE WITH GREAT FEATURES & PERFORMANCE

TAKE CONTROL, POOLSIDE OR REMOTELY

- Heating and cooling performance puts you in control of your pool temperature all year round.
- Easy-use LCD touchscreen with lock function.
- Wi-Fi enabled via a 3rd party App for ease of control.
- Ready for integration with InverGo branded pool automation systems.

ADVANCED TECHNOLOGY

- Twin rotary stepless DC inverter compressor ensures optimal efficiency and control.
- High temperature settings for Spa applications.
- High COP delivers high efficiency and lower energy consumption.
- Environmentally sensitive, low global warming impact R32 refrigerant.
- Highly advanced internal EC fan delivers ideal sound performance and safety.
- Electronic Expansion Valve (EEV) for increased temperature stability.
- Twisted titanium heat exchanger for more effective heat transfer.
- Advanced logic reverse cycle defrosting
- Low noise operation minimises disturbance - great for residential areas.

FLEXIBILITY THAT'S BUILT IN

- Compact footprint is tailored for tight spaces, giving you a range of installation possibilities.
- Easy connection to Rheem DPi Link for automated pump control.
- Single point condensate drain with factory supplied drain kit.

PEACE OF MIND

- Durable ABS and Aluminium alloy casing for protection against the elements
- Independently certified in Australia to comply with Australian Electrical Safety Standards AS/NZS60335-1 and AS/NZS60335-2-40.

SOLAHART - SINCE 1953

- For over 70 years, we've been helping smart Australians with innovative water heating solutions. Since launching our first solar water heater in 1953, we've installed over a million solar and heat pump water heaters worldwide.
- Our compact pool heat pumps are the smart choice for homeowners seeking reliable, affordable, pool heating & cooling.

A COMPREHENSIVE WARRANTY YOU CAN COUNT ON*

Solahart helps you enjoy comfortable pool temperatures year round with the confidence to know we've got you covered if you need us.

The Compact Series is backed by our National Service network, supporting a market leading 3 year parts and labour warranty.

The Parts Only warranty extends to 5 years on general parts, 10 years on the Compressor and 25 years on the Heat Exchanger.

And, if your Heat Exchanger fails within the comprehensive 3 year warranty, we will replace your heater at no cost!



Easy-use LCD touchscreen with lock function. WiFi enabled via a 3rd party App for ease of control and ready integration with InverGo branded pool automation systems.

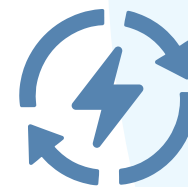


**R32
LOW
GWP**

Environmentally sensitive, low global warming impact R32 refrigerant.



Twisted titanium heat exchanger for more effective heat transfer.



Twin rotary stepless DC inverter compressor ensures optimal efficiency and control.



Electronic Expansion Valve (EEV) for more effective heat transfer



Highly advanced internal EC fan delivers ideal sound performance and safety.



Advanced logic reverse cycle defrosting.



ENJOY PERFECT POOL & SPA TEMPERATURES ALL YEAR ROUND



HIGH COP
Delivers high efficiency



ENERGY SAVING
For reduced running costs



COMPACT DESIGN
Tailored for tight Spaces



COMPACT RESIDENTIAL SERIES POOL & SPA HEAT PUMPS

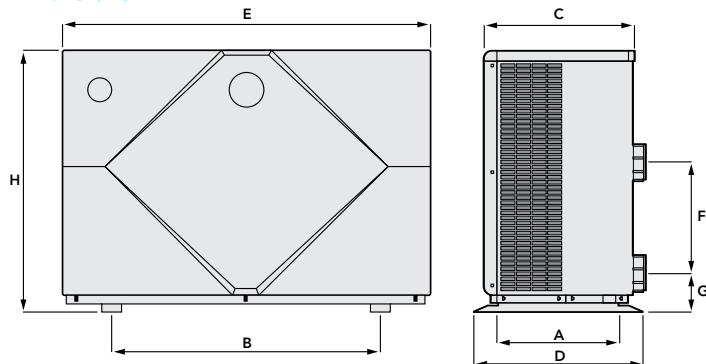


PERFORMANCE & TECHNICAL SPECIFICATIONS

MODEL	SPH009-1A	SPH013-1A	SPH016-1A	SPH021-1A	SPH028-1A	SPH028-3A	SPH035-3A
HEATING PERFORMANCE CONDITION: AIR 27°C / WATER 27°C / HUMID. 80%							
Heating Capacity (kW)	8.6	13	15.5	21	27.8	27.8	35.0
COP Range	14-6.5	14-6.4	15-6.5	15-6.5	15.8-7.2	15.6-7.1	15.3-7.0
Average COP at 50% Speed	9.0	9.5	9.6	9.3	11.0	10.7	10.6
HEATING PERFORMANCE CONDITION: AIR 15°C / WATER 26°C / HUMID. 70%							
Heating Capacity (kW)	6.4	9.0	10.9	14.5	18.8	18.8	24
COP Range	6.8-4.5	7-4.4	7-4.5	7-4.6	7.8-4.9	7.8-4.9	7.5-5.0
Average COP at 50% Speed	6.2	6.3	6.3	6.2	6.5	6.4	6.4
COOLING PERFORMANCE CONDITION: AIR 35°C / WATER 28°C / HUMID. 80%							
Cooling Capacity (kW)	4.4	5.9	7.8	9.9	11.7	11.7	16.0
TECHNICAL SPECIFICATIONS							
Operating air temperature (°C)	-5°C to +43°C				-10°C to +43°C		
Power supply	220-240V/1Ph				380-415V/3Ph		
Rated input power (kW)	0.21-1.42	0.31-2.10	0.37-2.42	0.47-3.20	0.50-3.84	0.50-3.84	0.65-4.80
Rated input current (Amps)	0.93-6.20	1.34-8.90	1.60-10.60	2.06-13.70	2.17-16.70	0.72-5.56	0.94-6.94
Recommended circuit breaker (Amps)	10	16	20	25	25	10	20
Sound level at 10m dB (A)	19.0-28.4	22.2-30.8	21.2-34.4	23.4-34.1	21.5-32.9	21.5-32.9	21.5-32.9
Sound level at 50% speed 1m dB (A)	41.6	45.8	45.9	46.8	46.4	47.0	46.1
Protection Level	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Refrigerant R32 charge (kgs)	0.5	0.75	0.8	1.0	2.0	2.0	2.0
Operating pressure (discharge/suction)	4.1/0.15MPa	4.1/0.15MPa	4.1/0.15MPa	4.1/0.15MPa	4.1/0.15MPa	4.1/0.15MPa	4.1/0.15MPa
Advised water flow (L/sec)	0.5-1.2	1.2-1.7	1.7-2.3	2.0-2.8	2.8-3.4	2.8-3.4	3.3-5.0
Water connections (mm)	50	50	50	50	50	50	50
Max allowable water pressure (kPa)	300	300	300	300	300	300	300
DIMENSIONS							
A:	410	410	410	410	410	410	410
B:	645	645	645	710	710	710	710
C:	387	387	387	387	387	390	390
D:	430	430	430	430	430	430	430
E:	890	890	890	1060	1060	1060	1060
F:	250	290	280	390	390	640	640
G:	75	75	75	75	75	75	75
H:	657	657	657	657	757	957	957
Net weight (kg)	58	61	64	70	94	99	132
Gross weight packaged (kg)	67	70	72	80	103	108	162

These heat pumps SPH009-1A, SPH013-1A, SPH016-1A, SPH021-1A are able to perform as normal within air temp -5°C to +43°C, and SPH028-1A, SPH028-3A and SPH035-3A are able to perform as normal within air temp -10°C to +43°C. Efficiency will not be guaranteed outside of this range. Please take into consideration that the pool heat pump performance and parameters are different under various conditions. Related parameters are subject to adjustment periodically for technical improvement without further notice.

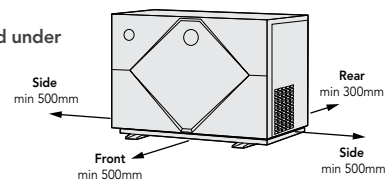
Dimensions



Clearances

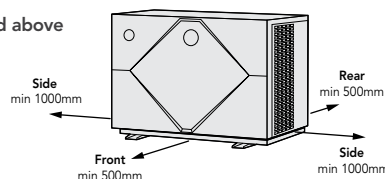
Models: 16kW and under

SPH009-1A
SPH013-1A
SPH016-1A



Models: 21kW and above

SPH021-1A
SPH028-1A
SPH028-3A
SPH035-3A



*For full warranty details, see the user manual or visit www.solahart.com.au

See the user manual for detailed installation information.