

SENSA-HEAT

Premium Inverter Pool & Spa Heat Pumps

ES SERIES

The Sensa-Heat ES Series inverter heat pumps have been specifically designed for pool and spa applications across Australia and New Zealand. Ensuring optimum performance and many years of trouble free operation.



- Inverter Technology
- Super Quiet Operation
- Reverse Cycle, Heating & Cooling
- Eco Friendly R32 Gas
- Touch Control
- Wifi Enabled
- Titanium Heat Exchanger
- DC Compressor

Eco Friendly R32 Refrigerant

R32 is a new generation refrigerant for pool and spa heat pumps. Sensa-Heat exclusively uses R32 gas in all models making for a more efficient heat pump with a lower environmental impact.

Soft Start Inverter Technology

Soft start technology is an innovative design, which is capable of smoothing out the start up power demand of the heat pump compressor. Soft start technology helps to reduce the start up power demand by up to 70%.

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ES SERIES SPECIFICATIONS

Model	HPES09	HPES13	HPES16	HPES20	HPES24
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%					
Heating capacity (kW)	9.0	13.0	16.0	20.2	24.2
COP Range	10.5~6.2	10.8~6.3	10.7~6.2	10.8~6.2	10.8~6.3
Average COP at 50% Speed	9.0	9.2	9.1	9.1	9.2
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%					
Heating capacity (kW)	6.5	9.0	11.0	14.0	16.0
COP Range	6.5~4.2	6.2~4.5	6.6~4.3	6.5~4.2	6.6~4.5
Average COP at 50% Speed	6.1	6.0	6.1	6.1	6.2
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%					
Cooling Capacity (KW)	3.6	5.0	6.1	7.7	8.8
TECHNICAL SPECIFICATIONS					
Reverse Cycle	Standard on all models				
Operating air temperature (°C)	0°C~43°C				
Heating temperature range	18°C~40°C				
Cooling temperature range	12°C~30°C				
Wifi	Enable on all models				
Heat exchanger	Twisted Titanium Exchanger				
Power supply	230V 1Phase				
Electrical connection	10A plug	15A plug	Hard wired	Hard wired	Hard wired
Rated input power (kW)	0.28~1.55	0.41~2.01	0.50~2.56	0.60~3.26	0.72~3.81
Rated input current (A)	1.21~6.73	1.76~8.70	2.17~11.12	2.61~14.16	3.13~16.56
Maximum input current (A)	9.5	12.5	17.0	19.5	20.0
Sound level at 1m dB(A)	41.6~53.5	43.9~54.0	46.2~57.3	46.3~58.1	46.9~58.7
Sound level at 10m dB(A)	21.6~33.5	23.9~34.0	26.2~37.3	26.3~38.1	26.9~38.7
Advised water flux (L/Min)	50-70	60-80	80-120	120-150	150-200
Water connection (mm)	40mm				
Net weight (kg)	46	49	60	68	68
Net dimension LxWxH (mm)	903*349*654	903*349*654	991*349*654	991*349*754	991x420x757
WARRANTY**					
Heat exchanger	25 Years				
Compressor	3 Years				
Parts	2 Years				
On-Site	1 Year				

** Please read T & C's for full details, the above information is only a reference