



AQUA SOLIS TECHNICAL STATEMENT

AQS13 - TurboSilence Inverter +

Inverter Pool Heat Pump up to **20,000** litre heating capacity

PRODUCT INFORMATION

Aqua Solis AQS13 – Turbosilence Inverter + is an electric inverter pool heat pump designed for pool capacities up to **20,000** litres.

With its unique TurboSilence full inverter technology, the Aqua Solis AQS13 brings a perfect balance of efficiency and quietness. The inverter compressor control, combined with the heat exchange technology, delivers its turbo performance without compromising the silent operation of the heat pump.

- 15 times quieter than Standard Inverter heat pumps
- Unique heat pump compressor reduces noise at high frequencies
- Environmentally friendly cost effective 25% of the running cost of a standard heat pump
- COP of 6 to 15 depending upon the ambient temperature
- Extra 20% capacity for quicker heating up, still higher C.O.P (coefficient of performance) than others
- Once desired pool temperature is reached the temperature is maintained at on average 75% of the total running cost
- Unique air system to enhance heat exchanger performance
- Intelligent touch screen controller with Wi-Fi capabilities
- 4 season functionality - can be used all year round

Performance Condition: Air 26 °C, Water 26 °C, Humidity 80%

AQS13 - TurboSilence Inverter +

Working air temp (°C)	-15 ~43
Heating capacity (kW)	11
Max Heating Capacity (kW) in Turbo mode	13.2
C.O.P in smart mode	8.2
C.O.P at optimal range	15.5 ~7.3
C.O.P at 50% capacity	11.6

Performance Condition: Air 15 °C, Water 26 °C, Humidity 70%

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Working air temp (°C)	-15 ~43
Heating capacity (kW)	7.3
Max Heating Capacity (kW) in Turbo mode	8.8
C.O.P in smart mode	5.3
C.O.P at optimal capacity	6.8 ~4.9
C.O.P at 50% capacity	6.5

Other System Specifications

Sound pressure at 1m dB(A)	38.6-46.9
Sound pressure at 10 m dB(A)	18.6 -26.9
Advised Water Flow – LPM	70 - 100
Water Connection IN/OUT	40mm
Heat Exchanger	Titanium in PVC
Casing	Aluminium Alloy
Rated input power (kW)	0.25-2.1
Rated input current (A)	9.1 ~1.1
Power Supply	230V/1 Ph/50Hz
Net Dimensions L x W x H (mm)	893 x 432 x 650
Net Weight (kg)	61
Pool Size (Litres)	Up to 20000

Electrical Specifications

Rated Current (A)	16
Fuse (A)	15
Power Cord (mm ²)	3 x 2.5

AQUA SOLIS AQS13 - TurboSilence Inverter + Product Views



Front View

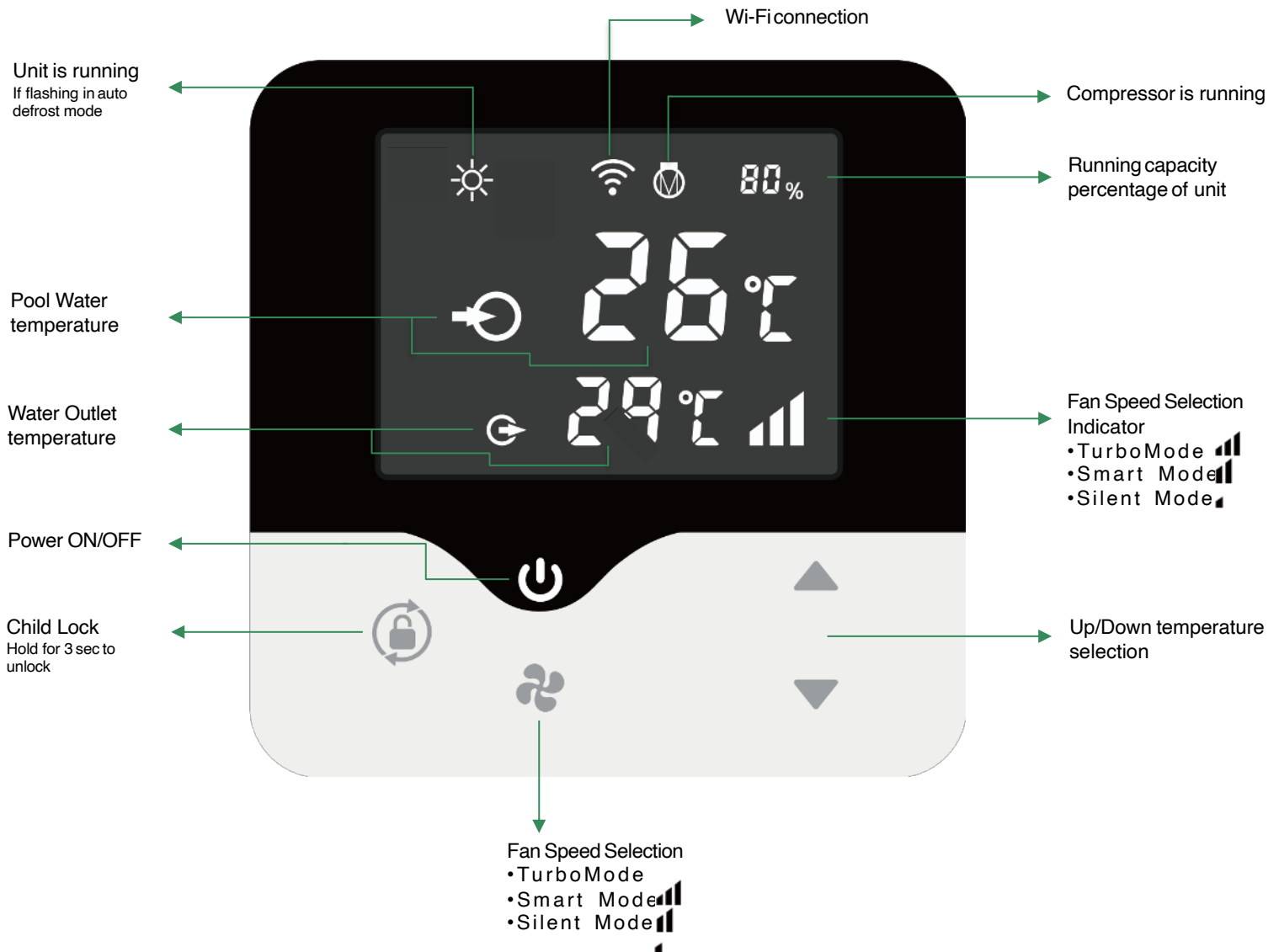


Front View on angle with side showing LCD touch screen



Back View on angle with side showing LCD touch screen

AQUA SOLIS AQS13 - TurboSilence Inverter + LCD Wi-Fi Touch Screen Functions summary



Warranty

20 Year Limited warranty on Titanium heat exchanger
 6 Year Warranty on Compressor
 2 Years parts, 12 months labour