



AQUA SOLIS TECHNICAL STATEMENT

AQS21 - TurboSilence Inverter +

Inverter Pool Heat Pump up to **40,000** litre heating capacity

PRODUCT INFORMATION

Aqua Solis AQS21 – Turbosilence Inverter + is an electric inverter pool heat pump designed for pool capacities up to **40,000** litres.

With its unique TurboSilence full inverter technology, the Aqua Solis AQS21 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%

AQS21 - TurboSilence Inverter +

Working air temp (°C)	-15 ~43
Heating capacity (kW)	17.5
Max Heating Capacity (kW) in Turbo mode	21.0
C.O.P in smart mode	7.3
C.O.P at optimal range	15.5 ~6.3
C.O.P at 50% capacity	11.2

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

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Working air temp (°C)	-15 ~43
Heating capacity (kW)	11.8
Max Heating Capacity (kW) in Turbo mode	14.3
C.O.P in smart mode	5.0
C.O.P at optimal capacity	7.8 ~4.6
C.O.P at 50% capacity	6.8

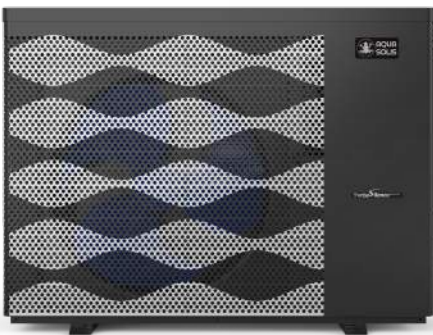
Other System Specifications

Sound pressure at 1m dB(A)	42.9 ~50.8
Sound pressure at 10 m dB(A)	22.9 ~30.8
Advised Water Flow – LPM	110 - 140
Water Connection IN/OUT	40mm
Heat Exchanger	Titanium in PVC
Casing	Aluminium Alloy
Rated input power (kW)	0.33 ~2.5
Rated input current (A)	10.9 ~1.4
Power Supply	230V/1 Ph/50Hz
Net Dimensions L x W x H (mm)	995 x 432 x 750
Net Weight (kg)	70
Pool Size (Litres)	Up to 40000

Electrical Specifications

Rated Current (A)	25
Fuse (A)	22.5
Power Cord (mm ²)	3 x 4

AQUA SOLIS AQS21 - TurboSilence Inverter + Product Views



Front View

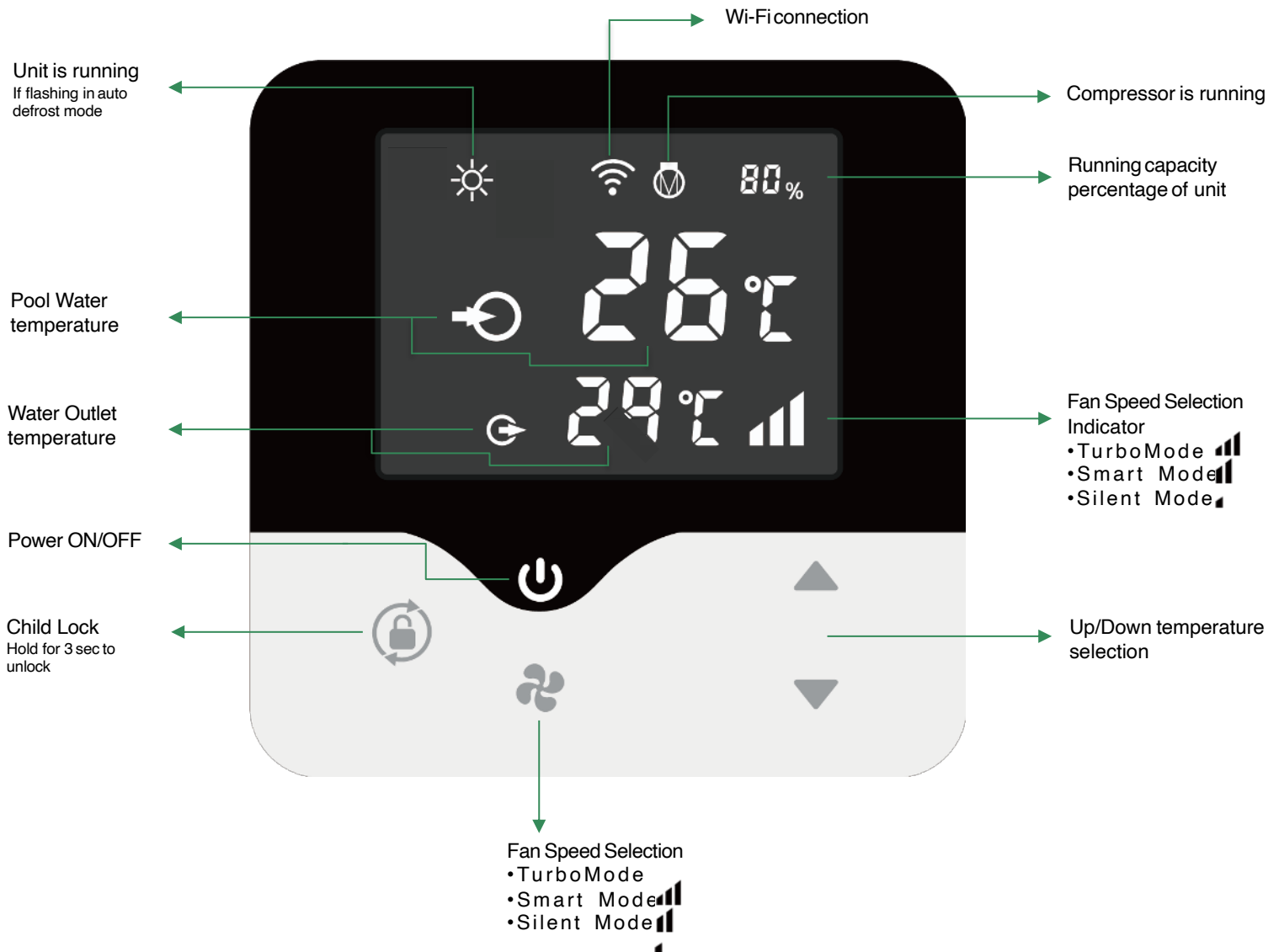


Front View on angle with side showing LCD touch screen



Back View on angle with side showing LCD touch screen

AQUA SOLIS AQS21 - 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