



## AQUA SOLIS TECHNICAL STATEMENT

### AQS40T - TurboSilence Inverter +

Inverter Pool Heat Pump up to **90,000** litre heating capacity

## PRODUCT INFORMATION

**Aqua Solis AQS40T – TurbosilenceInverter +** is an electric inverter pool heat pump designed for pool capacities up to **90,000** litres.

With its unique TurboSilence full inverter technology, the Aqua Solis AQS40T 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%

---

#### AQS40T - TurboSilence Inverter +

Working air temp (°C)	-15~43
Heating capacity (kW)	35.0
Max Heating Capacity (kW) in Turbo mode	40.0
C.O.P in smart mode	7.3
C.O.P at optimal range	16.3~6.4
C.O.P at 50% capacity	11.1

---

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

---

#### AQS40T - TurboSilence Inverter +

Working air temp (°C)	-15~43
Heating capacity (kW)	24.0
Max Heating Capacity (kW) in Turbo mode	28.0
C.O.P in smart mode	5.1
C.O.P at optimal capacity	7.9~4.7
C.O.P at 50% capacity	6.7



## AQUA SOLIS TECHNICAL STATEMENT

### AQS40T - TurboSilence Inverter +

Inverter Pool Heat Pump up to **90,000** litre heating capacity

## PRODUCT INFORMATION

**Aqua Solis AQS40T – TurbosilenceInverter +** is an electric inverter pool heat pump designed for pool capacities up to **90,000** litres.

With its unique TurboSilence full inverter technology, the Aqua Solis AQS40T 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%

---

#### AQS40T - TurboSilence Inverter +

Working air temp (°C)	-15~43
Heating capacity (kW)	35.0
Max Heating Capacity (kW) in Turbo mode	40.0
C.O.P in smart mode	7.3
C.O.P at optimal range	16.3~6.4
C.O.P at 50% capacity	11.1

---

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

---

#### AQS40T - TurboSilence Inverter +

Working air temp (°C)	-15~43
Heating capacity (kW)	24.0
Max Heating Capacity (kW) in Turbo mode	28.0
C.O.P in smart mode	5.1
C.O.P at optimal capacity	7.9~4.7
C.O.P at 50% capacity	6.7

### Other System Specifications

Sound pressure at 1m dB(A)	42.5 -51.7
Sound pressure at 10 m dB(A)	22.5 -31.7
Advised Water Flow – LPM	200 - 300
Water Connection IN/OUT	40mm
Heat Exchanger	Titanium in PVC
Casing	Aluminium Alloy
Rated input power (kW)	0.79 -5.2
Rated input current (A)	8.0 ~1.1
Power Supply	415V/3 Ph
Net Dimensions L x W x H (mm)	1260 x 539 x 947
Net Weight (kg)	126
Pool Size (Litres)	Up to 90000

### Electrical Specifications

Rated Current (A)	16
Fuse (A)	15.0
Power Cord (mm <sup>2</sup> )	5 x 2.5

### AQUA SOLIS AQS40T - TurboSilence Inverter + Product Views



Front View

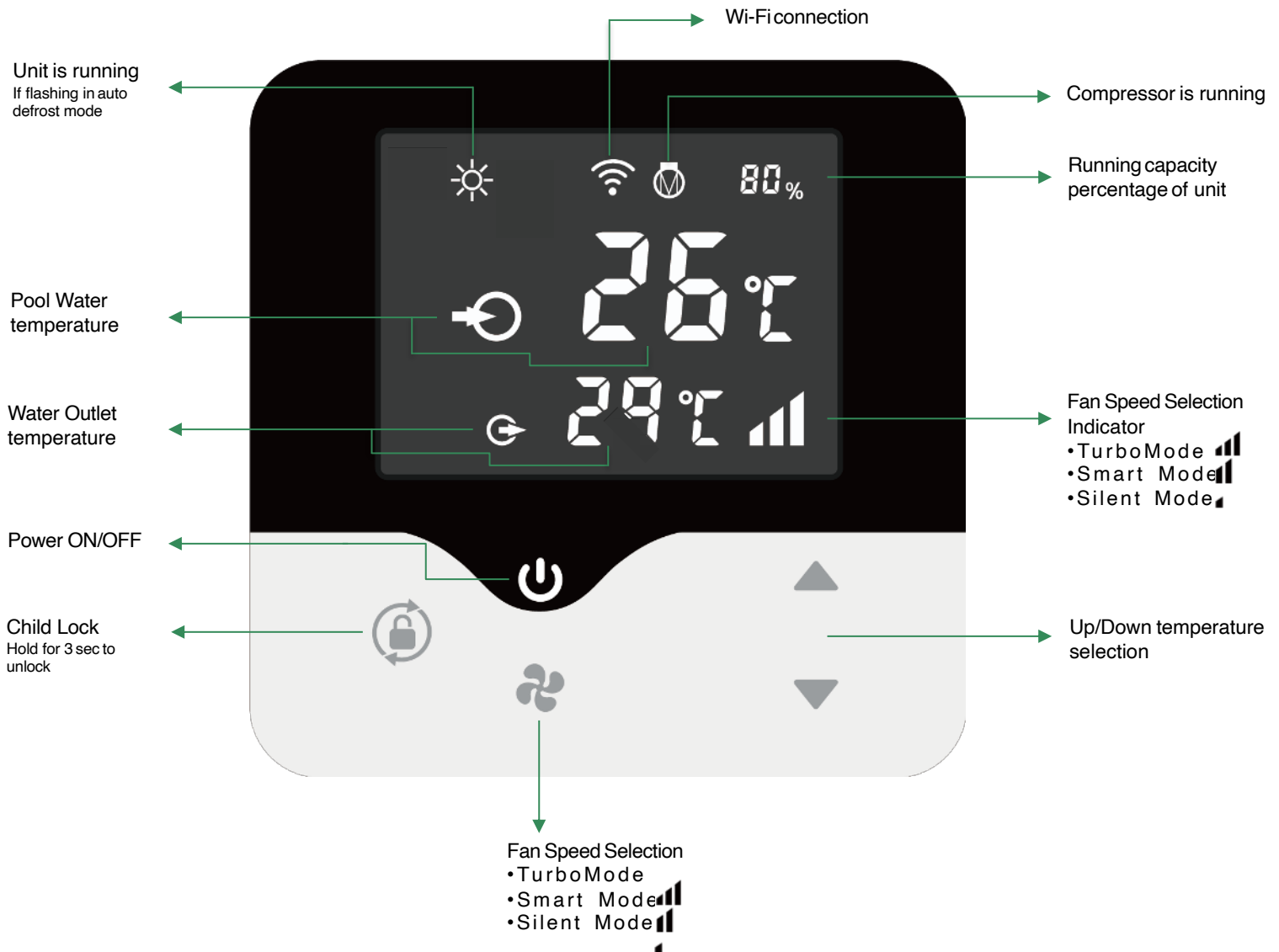


Front View on angle with side showing LCD touch screen



Back View on angle with side showing LCD touch screen

## AQUA SOLIS AQS40T - 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