



## The Dedicated Water Generator

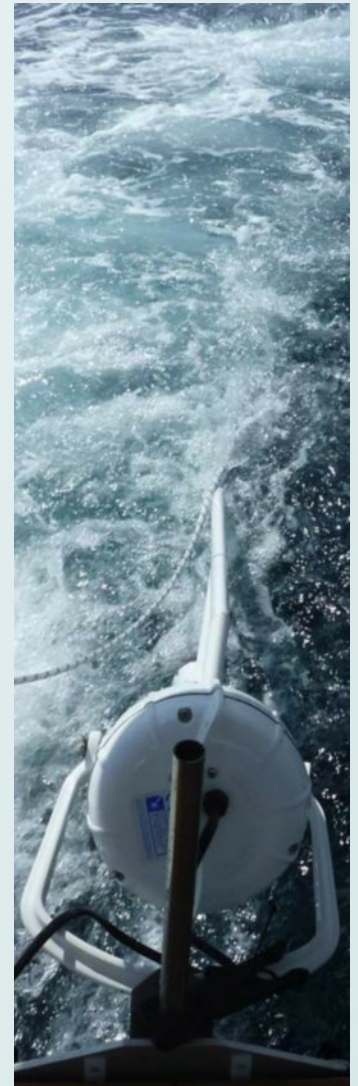
Producing electricity on passage is major consideration for the cruising yachtsman. With on-board refrigeration, autopilot, radar and other electrical equipment, power consumption when under way can be 200 amp-hours per day or more.

The Sail-Gen generates electricity as you sail and is easily capable of matching or exceeding the average yacht's power requirements.

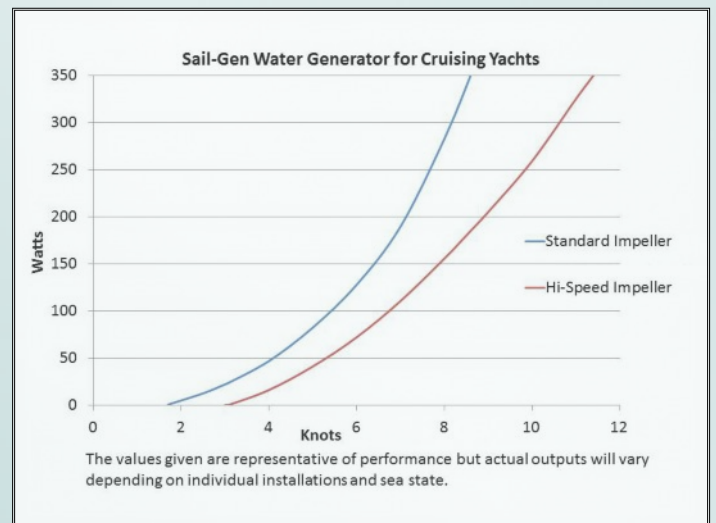


The Sail-Gen comprises a rigid welded aluminium frame with a carbon fibre drive shaft and cast alloy alternator housing and water impeller.

The Sail-Gen is easy to install, compact in size and reliable and efficient in operation.



- The Sail-Gen generates approximately 230 amp-hours per day at 6 knots, rising to 500 amp-hours at 8 knots
- Low drag design results in minimal loss of boat speed
- The Sail-Gen utilises Eclectic Energy's proven 'dive plane' technology, which controls the impeller operating depth and adjusts for the sea state
- The Sail-Gen features an active dive plane making deployment and recovery easier and safer
- Robust corrosion resistant construction throughout, with no vulnerable gearbox or submerged electrical parts as found in other water generators
- High-speed water impeller option for performance yachts & multi-hulls
- Flexible mount options available



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*All performance figures are indicative. Actual outputs may vary. E&OE*

## Sail-Gen Water Generator Specifications

<b>Performance &amp; Power outputs</b>	At 6 knots boats speed	125 W with standard impeller
	At 8 knots boat speed	280 W with standard impeller
	Daily yield at 7 knots	350 amp-hours @ 12 V
	Maximum rotational speed	Approximately 1100 RPM
	Cut-in boat speed	Standard impeller 1.7 knots High-speed impeller 3.1 knots
<b>Water Impeller</b>	Standard 0-9 knots	290 mm diameter
	High-speed for 0-15 knots	240 mm diameter
	Material	LM6 alloy casting, hard anodised & powder coated
<b>Dive plane</b>	Adjustable trim	Minus 10° to plus 20°
	Active recovery	Actuated by recovery lanyard
	Material	Aluminium, anodised & powder-coated
	Drag	Less than 15 kg @ 6 knots
<b>Drive shaft</b>	Telescopic	Glass and carbon fibre reinforced composites
<b>Vectored drive</b>	Eclectic pin drive	Robust and reliable, user serviceable
<b>Dimensions</b>	Overall length	1690 mm
	Maximum width	335 mm
	Weight	16.7 kg
	Weight including mounting	19.3 kg
<b>Mounting</b>	Type	Yoke gimbal
	Movement	Vertical / horizontal
	Materials	Aluminium alloy hard anodised, powder-coated; Stainless steel
	Alternator pivot point height	500 mm above the static water line
	Installation position	Recommended within 500 mm of the yacht's centre line
	Bracket height on yacht	400 mm or 540 mm Reversible alternator yoke
<b>Alternator features</b>	Alternator type	Direct drive, axial field 12 pole permanent magnet generator
	Design	3 phase AC with rectification Outputs direct current (DC) Annular high energy magnet rotors Encapsulated stator windings
	Voltages	12 V, 24 V, 48 V
	Materials	Aluminium alloy housing, fully sealed Alocrom 1200 corrosion protection and polyester powder-coated 316 stainless steel shafts, A4 stainless fasteners
	Electromagnetic emissions	CE compliant
	Finish	Colour, white
	<b>Warranty</b>	



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