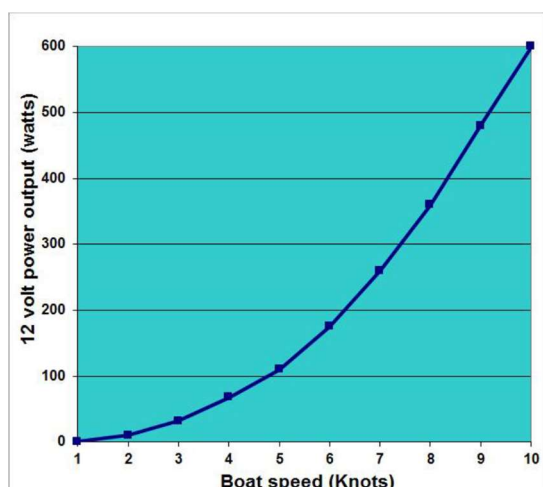


Hydrogenerator H240

Presentation of electric production of the H240



The H240 starts a significant electrical production at 3 nds.

However, the average speed of most cruising sailboats is between 4 and 8 nds.

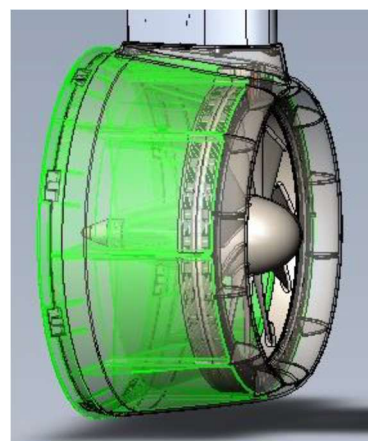
Our hydrogenerator has been specifically designed for this type of speeds.

A unique advantage of the H240

It is able to produce electricity on cruising sail boat at anchor as soon as there is a flow of tide or a river stream of at least 3 nds.

The element of the H240 who allow this performance

- The specific disposition of the magnets and coils that compose the generator permit a small inertia and a production in slow speed.
- The magnets and coils are cast into a composite resin. They are waterproof, so the generator do not need to be waterproof. It doesn't need waterproof seals and bearings which increase inertia.
- The fairing disposed around the helix produces a Venturi effect by accelerating the flow and increase the performance.



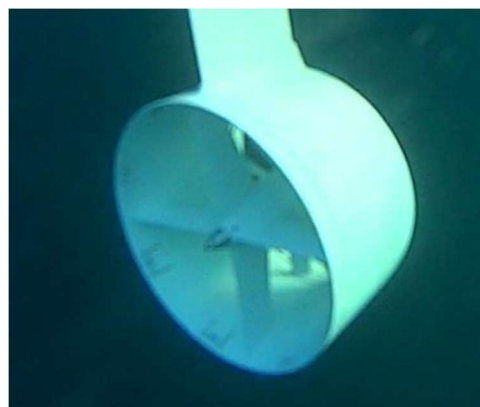
An additional advantage due to the fairing: it decreases drag.

A helix for electricity production with a fairing generates less drag than a helix without fairing.

In fact, the fairing decreases the disturbance of the flow. In addition, the low inertia of the H240 alternator decreased also the drag.

See the video: <http://www.save-marine.com/en/notre-solution>

Tests on different types of sailboats helped to found that the loss of speed is not significant. By prudence we announce our clients a loss of 0.5 nds average speed with the H240.



The H240 specific constraint: to the extent that it is optimized for cruising sailboats, it is not suitable for high-speed boats. He is asked to raise it from 10 nds.

A safer use for the H 240 solution



A fairing that protects the helix.

A security in case of impact: the rope that keeps the turbine in the operating position is maintained by an automatic clamcleat. In case of shock with a floating object the clamcleat releases the rope which allows the turbine to raise automatically.

See the video: <http://www.save-marine.com/en/our-solution/12-our-solution/25-hydrogenerateur-solution-sure>

This security is for us indispensable as, in case of collision with a floating object, the more the machine is strongly mounted on the transom, the more important the damage will be.

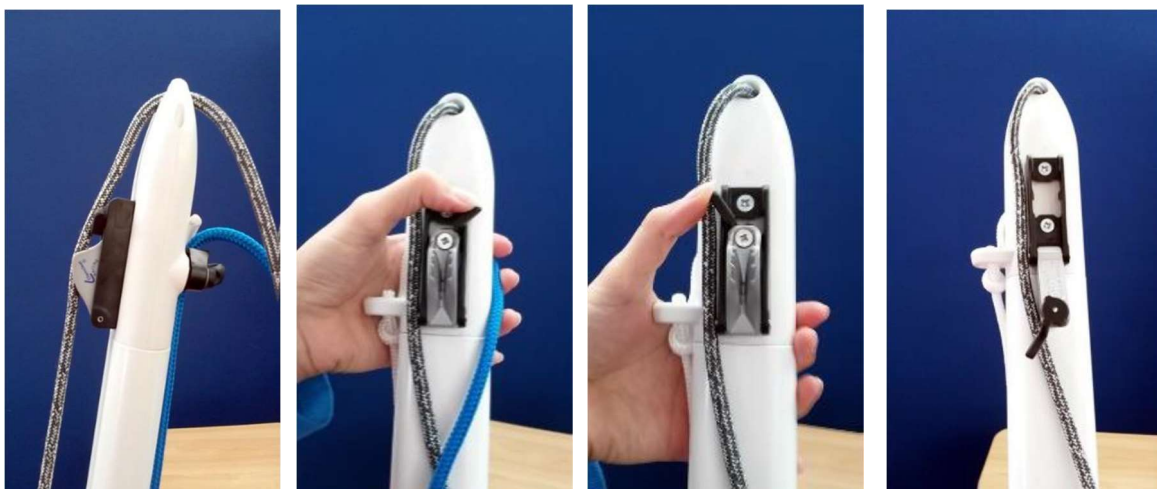
An automatic clamcleat

it blocks the rope which maintain the turbine in its low working position.

If the submerged part hits a heavy object or if the sailboat going too fast, the automatic clamcleat open and free the rope, which allows the turbine to rise up.

We have equipped the clamcleat with a swinging finger with two positions:

- * To free the clam switch the finger on the left position,
- * To rearm the clamcleat, it is necessary to set the mobile part in this original position and to switch the finger on the right.



Another advantage in terms of security

Only the lower part rotates, the upper part remains fixed:

□ So, the upper arm does not describe movements that could be troublesome, even dangerous for the crew.

The profiled arm is further to the transom, so, if the boat backwards, it will freely rotate 180 ° and, unlike a rudder, it does not strike the bottom of the transom.

Very easy to install

the save marine installation system

It is a white, discreet and aesthetic composite plate. It easily adapts to the majority of transoms. It mounts easily and quickly.

The Height of the home plate is 20cm, if that makes it easy to integrate on most boats transoms.

The home plate, the conterplate and all fasteners are supplied as standard.

The H240 is equipped with a finger lock that keeps the machine in position and avoids it to get out the home plate by accident.



An accurate and easy to operate adjustment

A hydrogenerator, to work properly must be in a vertical position regarding to the flow of water.

The H240 is equipped with a system allowing to easily make this setting depending on the inclination of the transom. The setting goes from vertical to an angle of 45 °.

The angle adjusts at the vertical up to 45°, it permits to adapt easily and quickly.



A very simple and user-friendly daily use

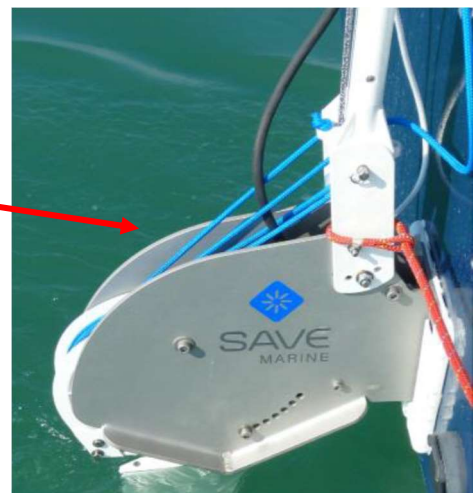
It has an arm on which are gathered all steering ropes: one for lift up the generator, one to lower it and keep it in the lower position and one to unlock the finger that keeps the H240 in the home plate. The sailor can easily make all these manoeuvres without even bending.

The H240 can be removed in seconds without effort.

When it is removed only the home plate remains on the sailboat. It in no way disturbs other uses of the transom. See the video: <http://www.save-marine.com/en/our-solution/12-our-solution/23-hydrogenerateur-solution-facile-a-vivre>

It is really easy to rise up

The rise up system of the H240 is equip with an integrated hoist with 8 pulleys, which makes it very easy to lift.



An additional advantage for the H240

The customer can choose between 4 lengths of commands arm: 40, 60, 80 or 100 cm.

The commands arm has 6 settings to orient it from the vertical up to 45 °according to the type of transom.

This permit to do all manoeuvres in comfort and safety.



It seems even very complicated and risky to operate the hydrogenerator without the commands arm on sailboats that have a high transom.

A solution easy to supervise

In it is integrated an application that manages the hydrogenerator. It is coupled to a wireless transmitter in the electronic unit.

Just enter the IP address in the browser of any device that has Wi-Fi (notebook pc, Tablet, smartphone). This system is compatible with all browsers and all configurations. It is not necessary to download an application.

No complicated installation, no cable, a real-time monitoring of the production of the H240 and status of charge of the batteries.

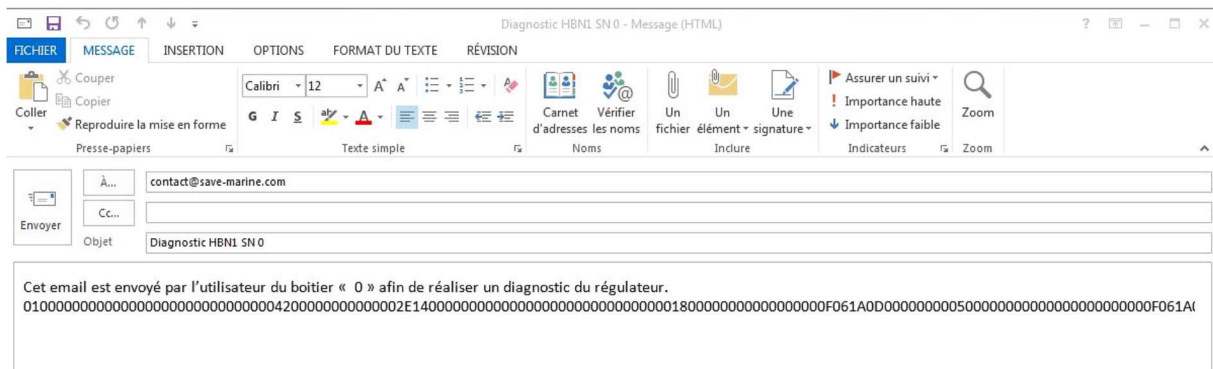
A remote monitoring tool

One of the 4 tabs available by Wi-Fi in the browser is the tab 'Service '.



It includes an automatic mail system to send information to Save Marine so that we can make a diagnosis away from the operation of the turbine and the electronic control unit. By clicking on the small magnifying glass a mail is automatically generated that has just to be sent as soon as an internet connection is available.

Here is an example of a mail that will be generated. In this mail are written all the technical information for operating that the electronic box automatically recorded since putting into service of the hydrogenerator.



This information allows Save Marine technicians to make an accurate and distant diagnosis of the turbine and the electronic box which are the two most difficult components to monitor.

Two common constraint to all hydrogenerators

To lower the hydrogenerator in operating position the boat speed must be less than 4 nds.

It must not stay in the water for a long time when the boat is stopped, because, it may get dirty.

A competitive price

Public sale price VAT included (20%) delivery in Metropolitan France on 1st January 2016: €3.900

This price includes a H240, its home plate, the counter plate, the electronic regulator with all the connections and connected electrical cables, fasteners for installation of the entire system, a bag for transport and storage, transportation in France Metropolitan. In fact everything to install and use the H240.