



## 1973 Herreshoff America Diesel to Electric

Jim Laird | Electric Yacht Quiet Torque 5



### Data on the boat:

<b>Hull Type:</b>	<b>Fiberglass Centerboard</b>
<b>Rig Type:</b>	<b>Gaff Rigged Cat</b>
<b>LOA:</b>	<b>18.16' / 5.54m</b>
<b>LWL:</b>	<b>17.75' / 5.41m</b>
<b>Beam:</b>	<b>8.00' / 2.44m</b>
<b>Disp.</b>	<b>2500 lbs./ 1134 kgs.</b>
<b>Ballast:</b>	<b>500 lbs. / 227 kgs</b>

First Order was to remove the Yanmar YSM 8. The motor was frozen from saltwater back flowing from exhaust to cylinder. The previous owner had rebuilt it a couple of times. The broker didn't feel the engine had another rebuild in it and parts are not available for this model. To replace with a new Yanmar 2GSM would of coast many times more than the value of the boat and fitment was issue.



I first removed the diesel and all systems associated with it, about 4 hours. Next was cleaning up years of diesel filth and then fiberglass repair, another 8 hours.

Painted the Bilge with Bilgecoat paint. I then built a box for the batteries. I choose Lead Acid, Group 27 105 amp, for price, just to evaluate the system and the venue I was



using the boat in. I will probably switch to Glass Matt AGM next. I can't get by the price of Lithium-Ion.





I next choose a DuoPro Four Bank 10amp Charger, it will top off the House Battery and the 36 Volt propulsion pack in about 2 hours given a typical days use of the motor (25 Minutes  $\frac{3}{4}$  power). Installation of the batteries Charger and wiring took another 6 hours.

Now for the fun stuff the Quiet Torque 5 arrived in two boxes, it was complete as advertised. The installation and setup was the easiest part of the job 4 hours.

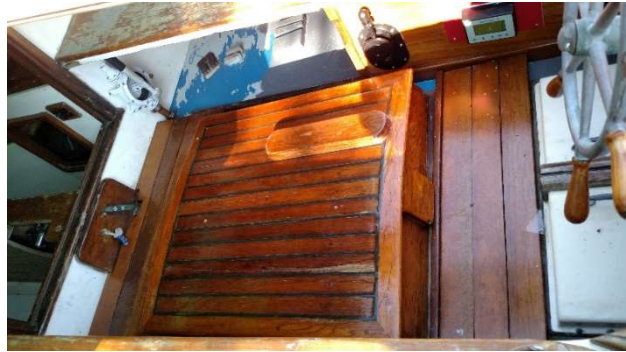


Test fit Perfect!! All wired Up

Next I made a custom dashboard to mount the throttle and controller. Look at that 38 Volts just right.







All buttoned up and ready to launch.

Operation is right on the projections provided by Electric Yacht, and no smoke or mess.

**QT 5.0 Speed & Power @36v**

<b>Kts</b>	<b>Watts</b>
• 2.7	240
• 3.4	480
• 4.3	960
• 5.4	1920
• 6.2	2880

I would recommend Electric Yacht and their products. They are very helpful and Knowledgeable, and I enjoyed working with both Mike and Scott. I have used the system for two seasons now and I am completely satisfied with all aspects of the installation and use.

