



World Leader in Rating Technology

## 2011 ORC Club Certificate

### Rating Office

Hellenic Sailing Federation  
Offshore Committee  
Επιτροπή  
Ανοικτής Θαλάσσης  
Ελληνικής  
Ιστιοπλοϊκής Ομοσπονδίας



### Certificate

Number **000683**  
Issued On **5/5/2011**  
ORC Ref **GRE00018889**  
VPP Ver. **2011 1.02**  
Valid until **1/3/2012**

### Crew Weight

Declared **350 kg**  
Default\* **624 kg**  
Non Manual Power **No**

### Special Scoring

	ToD	ToT
Double Handed	<b>787,6</b>	<b>0,7618</b>
Non Spinnaker	<b>786,8</b>	<b>0,7625</b>
N/S Perf. Line	<b>8,0</b>	<b>0,554</b>

### Sails Limitations

Genoas **1** Spinnakers **0**  
Jibs **0** Dacron Sails

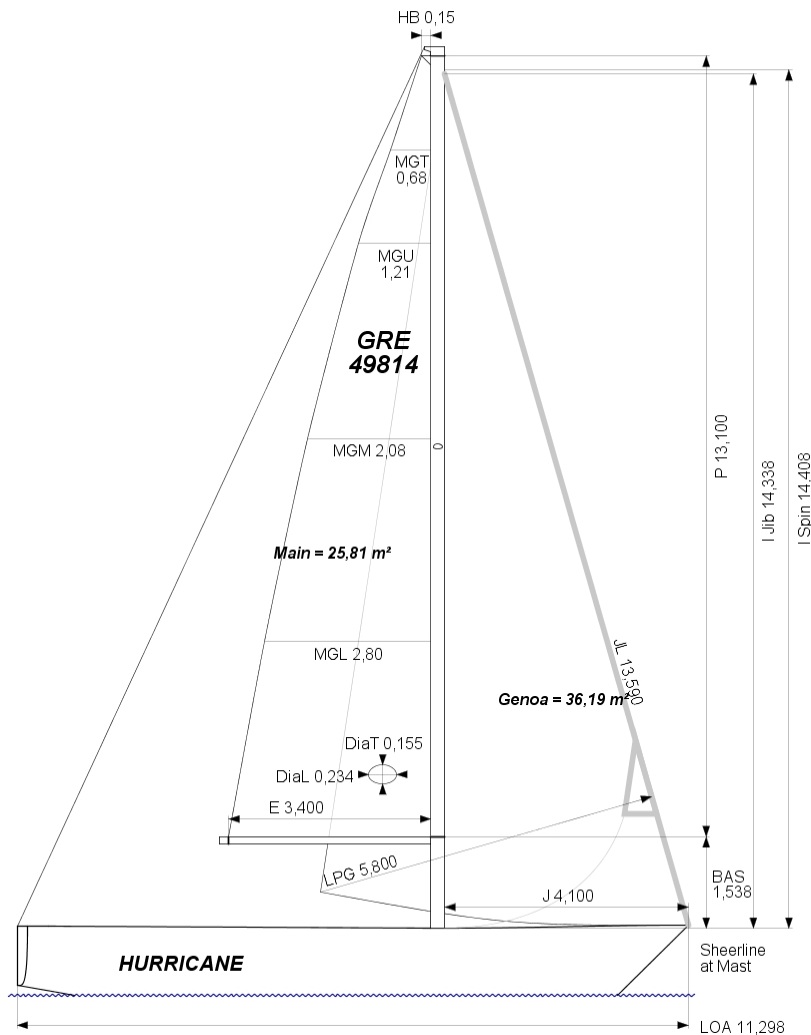
### Spinnaker configuration

Symmetric: **No**  
Asymmetric: **No**  
Code Zero: **No**  
Spin. Pole: **No**

### Stability

LPS (Estimated): **106,1°**  
Stability Index: **108,2**  
OSR Category: **N/A**

### Owner



BOAT	GPH	HULL
Name <b>HURRICANE</b> Sail Nr <b>GRE-49814</b>	<b>786,8</b>	Data File <b>GR49814.dxt</b> LOA <b>11,298 m</b> Offset File <b>GR0019.BOF</b> MB <b>3,756 m</b> Displacement <b>7.000 kg</b> Draft <b>1,869 m</b>
<b>CLASS</b> Class <b>GIN FIZZ</b> Designer <b>JOUBERT/NIVELT</b> Builder <b>JEANNEAU</b> Series <b>01/1980</b> Age Date <b>06/1980</b> Age Allowance <b>0,975%</b>	IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>1,241%</b> Fwd Accom. <b>Yes</b> Construction <b>Solid</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Anchor Wgt Anchor LCG	IMS L <b>9,235</b> Wetted Area <b>27,45 m²</b> VCGM <b>0,230</b>
<b>COMMENTS</b> Builder's declared displacement	<b>CENTERBOARD</b> N/A	
<b>PROPELLER</b> Installation <b>Shaft</b> PRD <b>0,446</b> Type <b>Solid 3 blades</b>		

SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	Time On Distance	<b>786,8</b>			<b>856,4</b>	
Time On Time	<b>0,7625</b>			<b>0,7882</b>		
Performance Line	PLT <b>0,554</b>	PLD <b>8,0</b>		PLT <b>0,515</b>	PLD <b>70,6</b>	
Triple Number	Low <b>0,6979</b>	Medium <b>0,9889</b>	High <b>1,1816</b>	Low <b>0,5323</b>	Medium <b>0,7782</b>	High <b>0,9587</b>



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# 2011

## ORC Club Certificate Appendix

BOAT	
Name	<b>HURRICANE</b>
Certificate Number	<b>000683</b>
Sail Nr	<b>GRE-49814</b>
Issued On	<b>5/5/2011</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1448,1</b>	<b>1153,5</b>	<b>999,6</b>	<b>907,3</b>	<b>857,2</b>	<b>831,3</b>	<b>809,4</b>
52°	<b>910,7</b>	<b>733,5</b>	<b>641,0</b>	<b>588,7</b>	<b>556,6</b>	<b>541,5</b>	<b>529,4</b>
60°	<b>834,9</b>	<b>680,6</b>	<b>600,4</b>	<b>554,1</b>	<b>526,0</b>	<b>511,1</b>	<b>500,8</b>
75°	<b>776,4</b>	<b>639,0</b>	<b>569,3</b>	<b>527,4</b>	<b>503,0</b>	<b>485,8</b>	<b>466,5</b>
90°	<b>791,4</b>	<b>649,8</b>	<b>576,3</b>	<b>531,9</b>	<b>504,4</b>	<b>481,5</b>	<b>452,9</b>
110°	<b>874,3</b>	<b>698,6</b>	<b>604,3</b>	<b>548,8</b>	<b>513,5</b>	<b>489,7</b>	<b>454,3</b>
120°	<b>950,6</b>	<b>746,5</b>	<b>635,1</b>	<b>569,6</b>	<b>526,3</b>	<b>499,1</b>	<b>460,7</b>
135°	<b>1082,2</b>	<b>834,8</b>	<b>696,3</b>	<b>610,7</b>	<b>556,7</b>	<b>519,9</b>	<b>475,5</b>
150°	<b>1231,1</b>	<b>943,7</b>	<b>774,0</b>	<b>668,0</b>	<b>597,5</b>	<b>549,7</b>	<b>493,5</b>
Run VMG	<b>1400,5</b>	<b>1070,5</b>	<b>869,2</b>	<b>740,0</b>	<b>652,5</b>	<b>591,4</b>	<b>516,4</b>
Selected Courses							
Windward / Leeward	<b>1445,4</b>	<b>1127,7</b>	<b>946,9</b>	<b>835,1</b>	<b>764,7</b>	<b>719,8</b>	<b>669,6</b>
Circular Random	<b>1142,5</b>	<b>897,4</b>	<b>760,0</b>	<b>676,3</b>	<b>622,8</b>	<b>587,5</b>	<b>545,2</b>
Ocean for PCS	<b>1217,3</b>	<b>935,8</b>	<b>774,1</b>	<b>672,3</b>	<b>604,4</b>	<b>556,5</b>	<b>492,2</b>
Non Spinnaker	<b>1142,5</b>	<b>897,4</b>	<b>760,0</b>	<b>676,3</b>	<b>622,8</b>	<b>587,5</b>	<b>545,2</b>

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>46,3°</b>	<b>45,3°</b>	<b>44,6°</b>	<b>44,3°</b>	<b>43,7°</b>	<b>43,2°</b>	<b>43,1°</b>
Beat VMG	<b>2,49</b>	<b>3,12</b>	<b>3,60</b>	<b>3,97</b>	<b>4,20</b>	<b>4,33</b>	<b>4,45</b>
52°	<b>3,95</b>	<b>4,91</b>	<b>5,62</b>	<b>6,12</b>	<b>6,47</b>	<b>6,65</b>	<b>6,80</b>
60°	<b>4,31</b>	<b>5,29</b>	<b>6,00</b>	<b>6,50</b>	<b>6,84</b>	<b>7,04</b>	<b>7,19</b>
75°	<b>4,64</b>	<b>5,63</b>	<b>6,32</b>	<b>6,83</b>	<b>7,16</b>	<b>7,41</b>	<b>7,72</b>
90°	<b>4,55</b>	<b>5,54</b>	<b>6,25</b>	<b>6,77</b>	<b>7,14</b>	<b>7,48</b>	<b>7,95</b>
110°	<b>4,12</b>	<b>5,15</b>	<b>5,96</b>	<b>6,56</b>	<b>7,01</b>	<b>7,35</b>	<b>7,92</b>
120°	<b>3,79</b>	<b>4,82</b>	<b>5,67</b>	<b>6,32</b>	<b>6,84</b>	<b>7,21</b>	<b>7,82</b>
135°	<b>3,33</b>	<b>4,31</b>	<b>5,17</b>	<b>5,90</b>	<b>6,47</b>	<b>6,92</b>	<b>7,57</b>
150°	<b>2,92</b>	<b>3,81</b>	<b>4,65</b>	<b>5,39</b>	<b>6,03</b>	<b>6,55</b>	<b>7,29</b>
Run VMG	<b>2,57</b>	<b>3,36</b>	<b>4,14</b>	<b>4,86</b>	<b>5,52</b>	<b>6,09</b>	<b>6,97</b>
Gybe Angles	<b>168,9°</b>	<b>171,9°</b>	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>