



World Leader in Rating Technology

## 2011 ORC Club Certificate

### Rating Office

Hellenic Sailing Federation  
Offshore Committee  
Επιτροπή  
Ανοικτής Θαλάσσης  
Ελληνικής  
Ιστιοπλοϊκής Ομοσπονδίας



### Certificate

Number **000593**  
Issued On **17/6/2011**  
ORC Ref **GRE00019298**  
VPP Ver. **2011 1.02**  
Valid until **1/3/2012**

### Crew Weight

Declared **320 kg**  
Default\* **623 kg**  
Non Manual Power **No**

### Special Scoring

	ToD	ToT
Double Handed	<b>901,1</b>	<b>0,6659</b>
Non Spinnaker	<b>901,8</b>	<b>0,6653</b>
N/S Perf. Line	<b>-10,6</b>	<b>0,463</b>

### Sails Limitations

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

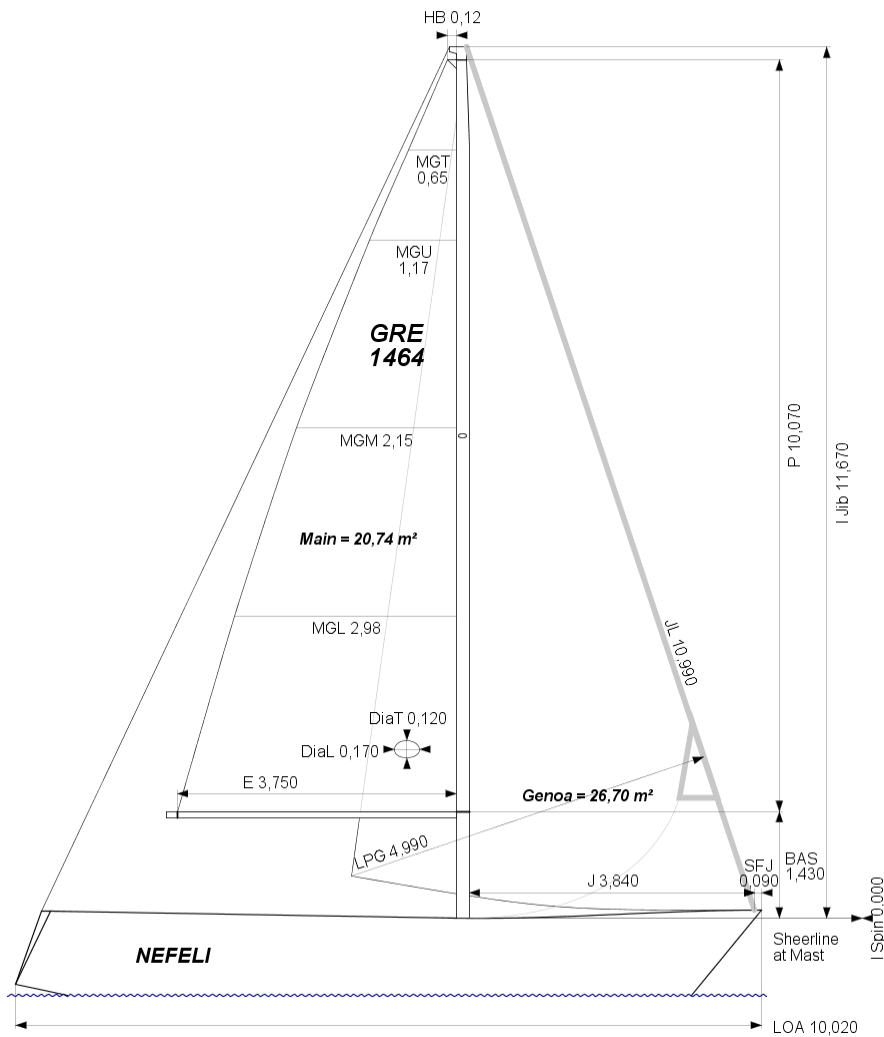
### Spinnaker configuration

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

### Stability

LPS (Estimated): **95,9°**  
Stability Index: **98,1**  
OSR Category: **N/A**

### Owner



BOAT	GPH	HULL
Name <b>NEFELI</b> Sail Nr <b>GRE-1464</b>	<b>901,8</b>	Data File <b>GR1464.dxt</b> LOA <b>10,020 m</b> Offset File <b>GR0096.BOF</b> MB <b>3,466 m</b> Displacement <b>5.925 kg</b> Draft <b>1,426 m</b>
<b>CLASS</b> Class <b>MOODY 33</b> Designer <b>Angus Primrose</b> Builder <b>Marine Projects</b> Series <b>01/1978</b> Age Date <b>03/1978</b> Age Allowance <b>0,975%</b>	IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>1,500%</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 <b>79,5</b> Anchor LCG <b>0,32</b>	IMS L <b>8,558</b> Wetted Area <b>24,76 m²</b> VCGM <b>0,332</b>
<b>COMMENTS</b> Officially weighted by measurer	<b>CENTERBOARD</b> N/A	
<b>PROPELLER</b> Installation <b>Shaft</b> PRD <b>0,460</b> Type <b>Solid 3 blades</b> PBW <b>0,135</b>		

SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	Time On Distance	<b>901,8</b>			<b>988,3</b>	
Time On Time	<b>0,6653</b>			<b>0,6830</b>		
Performance Line	PLT <b>0,463</b>	PLD <b>-10,6</b>		PLT <b>0,410</b>	PLD <b>31,4</b>	
Triple Number	Low <b>0,6003</b>	Medium <b>0,8653</b>	High <b>1,0498</b>	Low <b>0,4543</b>	Medium <b>0,6699</b>	High <b>0,8487</b>



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# 2011

## ORC Club Certificate Appendix

BOAT	
Name	<b>NEFELI</b>
Certificate Number	<b>000593</b>
Sail Nr	<b>GRE-1464</b>
Issued On	<b>17/6/2011</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1830,5</b>	<b>1454,6</b>	<b>1259,0</b>	<b>1117,8</b>	<b>1014,6</b>	<b>971,7</b>	<b>940,2</b>
52°	<b>1129,7</b>	<b>899,2</b>	<b>779,7</b>	<b>688,2</b>	<b>635,2</b>	<b>615,2</b>	<b>599,7</b>
60°	<b>1001,6</b>	<b>808,6</b>	<b>690,4</b>	<b>625,0</b>	<b>595,9</b>	<b>576,2</b>	<b>560,4</b>
75°	<b>904,5</b>	<b>737,3</b>	<b>626,0</b>	<b>589,5</b>	<b>565,0</b>	<b>546,3</b>	<b>520,1</b>
90°	<b>914,6</b>	<b>743,2</b>	<b>627,5</b>	<b>588,6</b>	<b>558,6</b>	<b>536,4</b>	<b>503,1</b>
110°	<b>985,7</b>	<b>783,7</b>	<b>651,4</b>	<b>597,9</b>	<b>567,5</b>	<b>544,2</b>	<b>508,4</b>
120°	<b>1061,9</b>	<b>828,7</b>	<b>695,3</b>	<b>612,1</b>	<b>577,6</b>	<b>552,0</b>	<b>514,3</b>
135°	<b>1191,7</b>	<b>916,1</b>	<b>764,8</b>	<b>651,3</b>	<b>600,1</b>	<b>569,9</b>	<b>527,6</b>
150°	<b>1336,2</b>	<b>1025,7</b>	<b>840,6</b>	<b>724,6</b>	<b>632,8</b>	<b>592,9</b>	<b>543,4</b>
Run VMG	<b>1506,4</b>	<b>1152,2</b>	<b>934,1</b>	<b>797,6</b>	<b>698,9</b>	<b>624,6</b>	<b>562,9</b>

Selected Courses							
Windward / Leeward	<b>1693,5</b>	<b>1322,2</b>	<b>1109,2</b>	<b>967,7</b>	<b>869,4</b>	<b>809,3</b>	<b>759,5</b>
Circular Random	<b>1322,4</b>	<b>1034,0</b>	<b>870,5</b>	<b>769,7</b>	<b>705,1</b>	<b>663,1</b>	<b>615,4</b>
Ocean for PCS	<b>1411,3</b>	<b>1079,4</b>	<b>886,6</b>	<b>764,2</b>	<b>682,4</b>	<b>625,4</b>	<b>550,7</b>
Non Spinnaker	<b>1322,4</b>	<b>1034,0</b>	<b>870,5</b>	<b>769,7</b>	<b>705,1</b>	<b>663,1</b>	<b>615,4</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>49,4°</b>	<b>49,5°</b>	<b>48,9°</b>	<b>52,1°</b>	<b>49,2°</b>	<b>47,9°</b>	<b>46,9°</b>
Beat VMG	<b>1,97</b>	<b>2,47</b>	<b>2,86</b>	<b>3,22</b>	<b>3,55</b>	<b>3,70</b>	<b>3,83</b>
52°	<b>3,19</b>	<b>4,00</b>	<b>4,62</b>	<b>5,23</b>	<b>5,67</b>	<b>5,85</b>	<b>6,00</b>
60°	<b>3,59</b>	<b>4,45</b>	<b>5,21</b>	<b>5,76</b>	<b>6,04</b>	<b>6,25</b>	<b>6,42</b>
75°	<b>3,98</b>	<b>4,88</b>	<b>5,75</b>	<b>6,11</b>	<b>6,37</b>	<b>6,59</b>	<b>6,92</b>
90°	<b>3,94</b>	<b>4,84</b>	<b>5,74</b>	<b>6,12</b>	<b>6,44</b>	<b>6,71</b>	<b>7,16</b>
110°	<b>3,65</b>	<b>4,59</b>	<b>5,53</b>	<b>6,02</b>	<b>6,34</b>	<b>6,62</b>	<b>7,08</b>
120°	<b>3,39</b>	<b>4,34</b>	<b>5,18</b>	<b>5,88</b>	<b>6,23</b>	<b>6,52</b>	<b>7,00</b>
135°	<b>3,02</b>	<b>3,93</b>	<b>4,71</b>	<b>5,53</b>	<b>6,00</b>	<b>6,32</b>	<b>6,82</b>
150°	<b>2,69</b>	<b>3,51</b>	<b>4,28</b>	<b>4,97</b>	<b>5,69</b>	<b>6,07</b>	<b>6,62</b>
Run VMG	<b>2,39</b>	<b>3,12</b>	<b>3,85</b>	<b>4,51</b>	<b>5,15</b>	<b>5,76</b>	<b>6,40</b>
Gybe Angles	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>