



World Leader in Rating Technology

## 2015 ORC Club Certificate



**Certificate**  
 Number **000745**  
 Issued On **21/5/2015**  
 ORC Ref **GRE01003798**  
 VPP Ver. **2015 1.01**  
 Valid until **29/2/2016**

**Crew Weight**  
 Declared **300kg**  
 Default\* **667kg**  
 Non Manual Pwr **No**

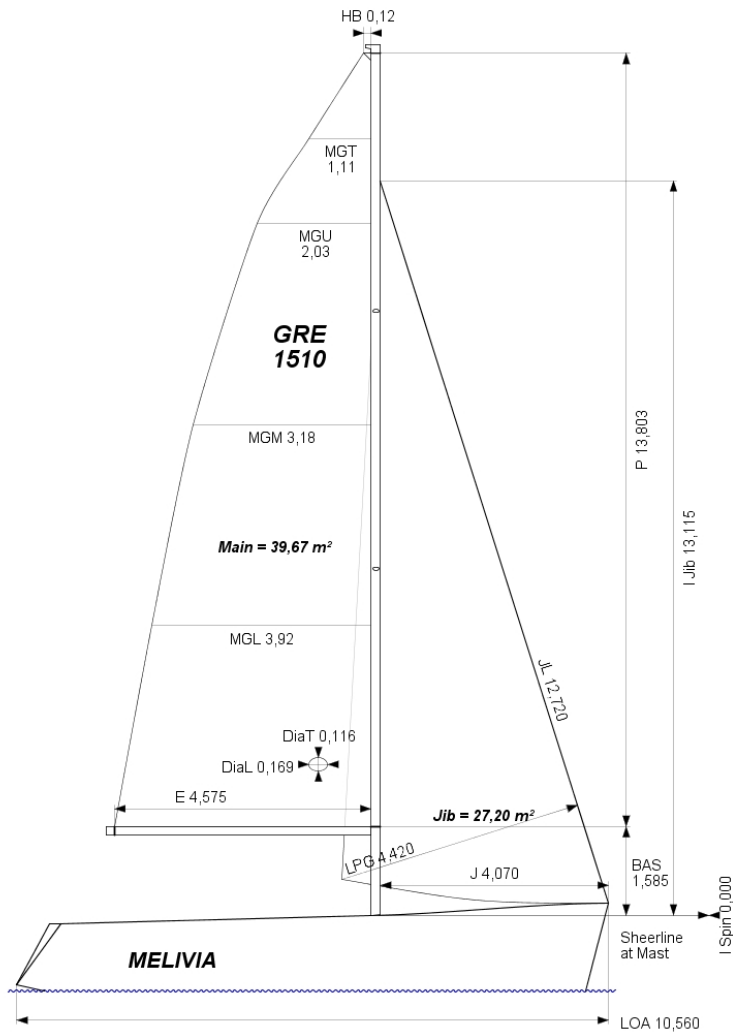
**Special Scoring**  
 ToD ToT  
 Non Spin GPH **715,6 0,8385**  
 Non Spin OSN **689,4 0,8704**  
 N/S Perf. Line **53,8 0,669**

**Sails Limitations**  
 Headsails **5** Spinnakers **0**  
**Dacron Sails**  
 Spinnaker configuration  
 Symmetric: **No**  
 Asymmetric: **No**  
 Flying H/S: **No**  
 Spin. Pole: **No**

**Class Division Length**  
 CDL = **8,257**

**Stability**  
 LPS (Estimated): **125,4°**  
 Stability Index: **127,1**  
 OSR Category: **N/A**

**Owner**



<b>BOAT</b>		<b>GPH</b>		<b>HULL</b>			
Name <b>MELIVIA</b>		<b>715,6</b>		Data File <b>GR1510.dxt</b>	LOA <b>10,560m</b>		
Sail Nr <b>GRE-1510</b>				Offset File <b>HUN356CL.OFF</b>	MB <b>3,652m</b>		
				Displacement <b>6,356kg</b>	Draft <b>1,486m</b>		
<b>CLASS</b>				IMS Division <b>Cruiser/Racer</b>	Dynamic All. <b>0,331%</b>		
Class <b>HUNTER LEGEND 356</b>				Fwd Accom. <b>Yes</b>	Construction <b>Solid</b>		
Designer <b>Glenn Henderson</b>				Fiber Rigging <b>No</b>	Aramid Core <b>No</b>		
Builder <b>LUHRS MARINE</b>				Crew Arm Ex	Carbon Rudder <b>No</b>		
Series <b>01/2001</b>					Light Stanchions <b>No</b>		
Age Date <b>11/2002</b>				IMSL <b>9,803</b>	VCGD <b>-0,078m</b>	Sink <b>19,41kg/mm</b>	
Age Allowance <b>0,455%</b>				RL <b>6,711</b>	VCGM <b>0,015m</b>	WS <b>25,34m²</b>	
<b>COMMENTS</b>				Water Ballast <b>0</b>	Trim Tab <b>No</b>		
Builder's declared displacement				<b>CENTERBOARD</b>			
				<b>N/A</b>			
<b>PROPELLER</b>							
Installation <b>Strut</b>		PRD <b>0,400</b>					
Type <b>Solid 3 blades</b>		PIPA <b>0,0197</b>					
<b>SCORING OPTIONS</b>							
	<b>OFFSHORE</b>			<b>INSHORE</b>			
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time On Distance	<b>689,4</b>			<b>769,2</b>			
Time On Time	<b>0,8704</b>			<b>0,8775</b>			
Performance Line	PLT	PLD		PLT	PLD		
	<b>0,669</b>	<b>53,8</b>		<b>0,624</b>	<b>110,6</b>		
Triple Number	Low	Medium	High	Low	Medium	High	
	<b>0,7891</b>	<b>1,0796</b>	<b>1,2496</b>	<b>0,6068</b>	<b>0,8675</b>	<b>1,0409</b>	



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## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>MELIVIA</b>
Sail Nr	<b>GRE-1510</b>
Certificate Number	<b>000745</b>
Issued On	<b>21/5/2015</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1233,0</b>	<b>1008,9</b>	<b>889,5</b>	<b>815,1</b>	<b>778,1</b>	<b>761,0</b>	<b>756,1</b>
52°	<b>785,8</b>	<b>654,6</b>	<b>577,1</b>	<b>535,0</b>	<b>518,5</b>	<b>511,7</b>	<b>508,6</b>
60°	<b>730,4</b>	<b>613,1</b>	<b>544,0</b>	<b>513,4</b>	<b>499,7</b>	<b>493,7</b>	<b>490,3</b>
75°	<b>687,5</b>	<b>579,0</b>	<b>522,6</b>	<b>498,3</b>	<b>483,9</b>	<b>473,7</b>	<b>463,5</b>
90°	<b>692,7</b>	<b>583,5</b>	<b>524,9</b>	<b>499,5</b>	<b>483,5</b>	<b>470,0</b>	<b>446,2</b>
110°	<b>778,1</b>	<b>638,2</b>	<b>555,2</b>	<b>513,5</b>	<b>492,0</b>	<b>475,7</b>	<b>443,0</b>
120°	<b>834,1</b>	<b>676,9</b>	<b>584,4</b>	<b>527,8</b>	<b>500,3</b>	<b>482,6</b>	<b>450,1</b>
135°	<b>962,3</b>	<b>754,2</b>	<b>642,1</b>	<b>566,1</b>	<b>520,9</b>	<b>497,1</b>	<b>464,5</b>
150°	<b>1116,6</b>	<b>853,8</b>	<b>710,4</b>	<b>620,2</b>	<b>555,3</b>	<b>516,7</b>	<b>478,6</b>
Run VMG	<b>1257,2</b>	<b>950,1</b>	<b>776,5</b>	<b>669,1</b>	<b>593,4</b>	<b>539,2</b>	<b>487,8</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1245,1</b>	<b>979,5</b>	<b>833,0</b>	<b>742,1</b>	<b>685,7</b>	<b>650,1</b>	<b>622,0</b>
Circular Random	<b>1017,0</b>	<b>807,8</b>	<b>692,3</b>	<b>623,3</b>	<b>580,5</b>	<b>553,3</b>	<b>523,5</b>
Ocean for PCS	<b>1082,9</b>	<b>842,2</b>	<b>705,8</b>	<b>621,5</b>	<b>566,4</b>	<b>528,5</b>	<b>478,7</b>
Non Spinnaker	<b>1017,0</b>	<b>807,8</b>	<b>692,3</b>	<b>623,3</b>	<b>580,5</b>	<b>553,3</b>	<b>523,5</b>

<b>Velocity Prediction in Knots for True Wind Speeds</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>45,5°</b>	<b>43,7°</b>	<b>43,4°</b>	<b>43,9°</b>	<b>43,1°</b>	<b>42,4°</b>	<b>42,5°</b>
Beat VMG	<b>2,92</b>	<b>3,57</b>	<b>4,05</b>	<b>4,42</b>	<b>4,63</b>	<b>4,73</b>	<b>4,76</b>
52°	<b>4,58</b>	<b>5,50</b>	<b>6,24</b>	<b>6,73</b>	<b>6,94</b>	<b>7,04</b>	<b>7,08</b>
60°	<b>4,93</b>	<b>5,87</b>	<b>6,62</b>	<b>7,01</b>	<b>7,20</b>	<b>7,29</b>	<b>7,34</b>
75°	<b>5,24</b>	<b>6,22</b>	<b>6,89</b>	<b>7,22</b>	<b>7,44</b>	<b>7,60</b>	<b>7,77</b>
90°	<b>5,20</b>	<b>6,17</b>	<b>6,86</b>	<b>7,21</b>	<b>7,45</b>	<b>7,66</b>	<b>8,07</b>
110°	<b>4,63</b>	<b>5,64</b>	<b>6,48</b>	<b>7,01</b>	<b>7,32</b>	<b>7,57</b>	<b>8,13</b>
120°	<b>4,32</b>	<b>5,32</b>	<b>6,16</b>	<b>6,82</b>	<b>7,20</b>	<b>7,46</b>	<b>8,00</b>
135°	<b>3,74</b>	<b>4,77</b>	<b>5,61</b>	<b>6,36</b>	<b>6,91</b>	<b>7,24</b>	<b>7,75</b>
150°	<b>3,22</b>	<b>4,22</b>	<b>5,07</b>	<b>5,80</b>	<b>6,48</b>	<b>6,97</b>	<b>7,52</b>
Run VMG	<b>2,86</b>	<b>3,79</b>	<b>4,64</b>	<b>5,38</b>	<b>6,07</b>	<b>6,68</b>	<b>7,38</b>
Gybe Angles	<b>176,5°</b>	<b>177,1°</b>	<b>178,0°</b>	<b>178,5°</b>	<b>178,7°</b>	<b>179,2°</b>	<b>179,7°</b>