



World Leader in Rating Technology

## 2010 ORC Club Certificate

### Rating Office

Estonian Yachting Union  
Regati 1, 11911  
Tallinn  
Estonia

### Certificate

Number **EST073**  
Issued On **29.06.2010**  
ORC Ref **EST00001329**  
VPP Ver. **2010 1.11**  
Valid until **31.12.2010**

### Crew Weight

Declared **385 kg**  
Default\* **362 kg**  
Non Manual Power **No**

### Special Scoring

	ToD	ToT
Double	<b>726,2</b>	<b>0,8262</b>
Non Spinnaker	<b>752,1</b>	<b>0,7977</b>
N/S Perf. Line	<b>113,5</b>	<b>0,715</b>

### Sails Limitations

Genoas **2** Spinnakers **3**  
Jibs **2**

### Spinnaker configuration

Symmetric: **Yes 32,12**  
Asymmetric: **No**  
Code Zero: **No**  
Spin. Pole: **Yes**

### Stability

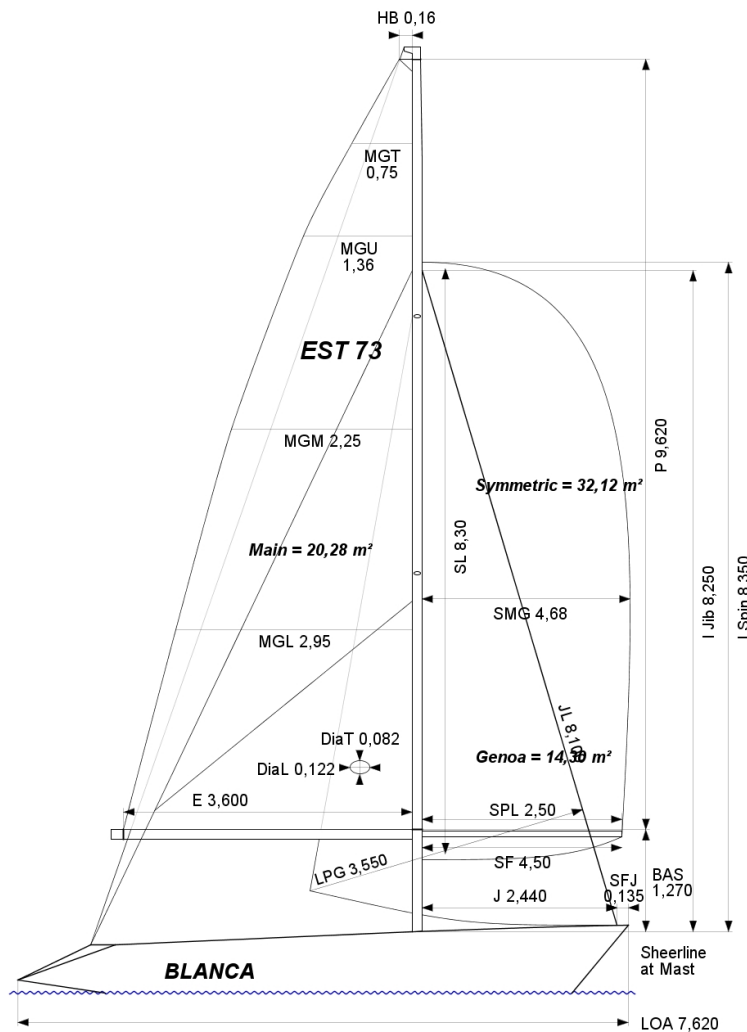
LPS (Measured): **122,3°**  
Stability Index: **115,0**  
OSR Category: **2**

### Owner

Vesilennuk OÜ  
Suur-Patarei 18-4  
Tallinn, Estonia  
ESS Kalev Jahtklubi

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature



BOAT	GPH	HULL
Name <b>BLANCA</b> Sail Nr <b>EST 73</b>	<b>723,3</b>	Data File <b>Est0073.dxt</b> LOA <b>7,620 m</b> Offset File <b>Polari17.off</b> MB <b>2,692 m</b> Displacement <b>1 778 kg</b> Draft <b>1,740 m</b>
CLASS		IMS Division <b>Performance</b> Dynamic All. <b>0,156%</b> Fwd Accom. <b>Yes</b> Construction <b>Solid</b> Fiber <b>No</b> Aramid Core <b>No</b> Carbon Mast <b>No</b> Carbon Rudder <b>No</b> Anchor Wgt Anchor LCG
Class <b>POLARIS</b> Designer <b>SET</b> Builder <b>SET</b> Series <b>06.1984</b> Age Date <b>12.1985</b> Age Allowance <b>0,975%</b>		IMS L <b>6,227</b> Wetted Area <b>11,00 m²</b> VCGM <b>-0,200</b>
COMMENTS		
PROPELLER	CENTERBOARD	
Type <b>No Propeller</b>	<b>N/A</b>	
SCORING OPTIONS		
	OFFSHORE COASTAL / LONG DISTANCE	INSHORE WINDWARD / LEEWARD
Time On Distance	<b>723,3</b>	<b>792,4</b>
Time On Time	<b>0,8296</b>	<b>0,8518</b>
Performance Line	PLT <b>0,776</b> PLD <b>137,4</b>	PLT <b>1,007</b> PLD <b>395,5</b>
Triple Number	Low <b>0,8282</b> Medium <b>1,0450</b> High <b>1,1731</b>	Low <b>0,6420</b> Medium <b>0,8640</b> High <b>0,9869</b>



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# 2010

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>BLANCA</b>
Certificate Number	<b>EST073</b>
Sail Nr	<b>EST 73</b>
Issued On	<b>29.06.2010</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1157,9</b>	<b>951,7</b>	<b>870,5</b>	<b>824,6</b>	<b>799,4</b>	<b>783,4</b>	<b>774,9</b>
52°	<b>747,6</b>	<b>662,8</b>	<b>620,3</b>	<b>590,2</b>	<b>575,3</b>	<b>566,4</b>	<b>557,1</b>
60°	<b>714,6</b>	<b>644,3</b>	<b>605,5</b>	<b>575,0</b>	<b>555,5</b>	<b>546,8</b>	<b>536,9</b>
75°	<b>694,5</b>	<b>625,8</b>	<b>582,2</b>	<b>550,3</b>	<b>536,7</b>	<b>521,2</b>	<b>506,8</b>
90°	<b>680,2</b>	<b>614,2</b>	<b>574,0</b>	<b>542,0</b>	<b>516,4</b>	<b>502,4</b>	<b>486,6</b>
110°	<b>703,1</b>	<b>631,5</b>	<b>588,8</b>	<b>555,4</b>	<b>527,5</b>	<b>501,1</b>	<b>451,6</b>
120°	<b>738,4</b>	<b>650,6</b>	<b>603,0</b>	<b>567,5</b>	<b>538,4</b>	<b>513,1</b>	<b>459,2</b>
135°	<b>861,9</b>	<b>699,0</b>	<b>634,6</b>	<b>593,9</b>	<b>561,5</b>	<b>534,5</b>	<b>486,4</b>
150°	<b>1018,8</b>	<b>796,5</b>	<b>683,8</b>	<b>628,1</b>	<b>590,2</b>	<b>559,7</b>	<b>510,8</b>
Run VMG	<b>1176,4</b>	<b>919,7</b>	<b>767,3</b>	<b>683,9</b>	<b>631,7</b>	<b>595,1</b>	<b>540,4</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1188,8</b>	<b>953,2</b>	<b>831,8</b>	<b>764,4</b>	<b>723,7</b>	<b>696,7</b>	<b>664,3</b>
Circular Random	<b>983,0</b>	<b>800,1</b>	<b>703,0</b>	<b>646,4</b>	<b>610,8</b>	<b>586,4</b>	<b>553,4</b>
Ocean for PCS	<b>1047,8</b>	<b>834,8</b>	<b>717,4</b>	<b>645,8</b>	<b>598,3</b>	<b>564,0</b>	<b>514,7</b>
Non Spinnaker	<b>1035,7</b>	<b>836,6</b>	<b>730,0</b>	<b>667,6</b>	<b>628,5</b>	<b>602,1</b>	<b>567,2</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>42,8°</b>	<b>39,7°</b>	<b>37,6°</b>	<b>36,8°</b>	<b>35,8°</b>	<b>35,1°</b>	<b>35,3°</b>
Beat VMG	<b>3,11</b>	<b>3,78</b>	<b>4,14</b>	<b>4,37</b>	<b>4,50</b>	<b>4,60</b>	<b>4,65</b>
52°	<b>4,82</b>	<b>5,43</b>	<b>5,80</b>	<b>6,10</b>	<b>6,26</b>	<b>6,36</b>	<b>6,46</b>
60°	<b>5,04</b>	<b>5,59</b>	<b>5,95</b>	<b>6,26</b>	<b>6,48</b>	<b>6,58</b>	<b>6,71</b>
75°	<b>5,18</b>	<b>5,75</b>	<b>6,18</b>	<b>6,54</b>	<b>6,71</b>	<b>6,91</b>	<b>7,10</b>
90°	<b>5,29</b>	<b>5,86</b>	<b>6,27</b>	<b>6,64</b>	<b>6,97</b>	<b>7,17</b>	<b>7,40</b>
110°	<b>5,12</b>	<b>5,70</b>	<b>6,11</b>	<b>6,48</b>	<b>6,83</b>	<b>7,18</b>	<b>7,97</b>
120°	<b>4,88</b>	<b>5,53</b>	<b>5,97</b>	<b>6,34</b>	<b>6,69</b>	<b>7,02</b>	<b>7,84</b>
135°	<b>4,18</b>	<b>5,15</b>	<b>5,67</b>	<b>6,06</b>	<b>6,41</b>	<b>6,74</b>	<b>7,40</b>
150°	<b>3,53</b>	<b>4,52</b>	<b>5,26</b>	<b>5,73</b>	<b>6,10</b>	<b>6,43</b>	<b>7,05</b>
Run VMG	<b>3,06</b>	<b>3,91</b>	<b>4,69</b>	<b>5,26</b>	<b>5,70</b>	<b>6,05</b>	<b>6,66</b>
Gybe Angles	<b>146,0°</b>	<b>146,9°</b>	<b>163,4°</b>	<b>172,2°</b>	<b>175,1°</b>	<b>175,8°</b>	<b>176,1°</b>