



World Leader in Rating Technology

## 2010 ORC Club Certificate

### Rating Office

Estonian Yachting Union  
Regati 1, 11911  
Tallinn  
Estonia

### Certificate

Number **EST026**  
Issued On **30.06.2010**  
ORC Ref **EST00001341**  
VPP Ver. **2010 1.11**  
Valid until **31.12.2010**

### Crew Weight

Declared **357 kg**  
Default\* **357 kg**  
Non Manual Power **No**

### Special Scoring

	ToD	ToT
Double	722,7	0,8302
Non Spinnaker	745,1	0,8053
N/S Perf. Line	130,5	0,743

### Sails Limitations

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

### Spinnaker configuration

Symmetric: **Yes 30,24**  
Asymmetric: **No**  
Code Zero: **No**  
Spin. Pole: **Yes**

### Stability

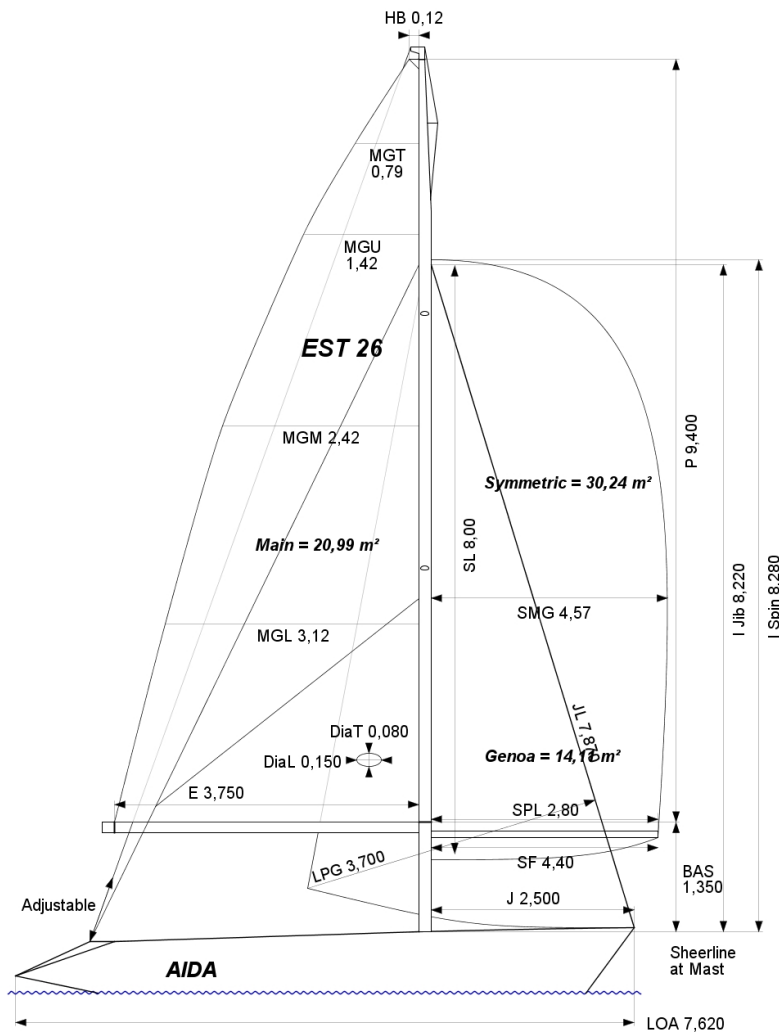
LPS (Estimated): **117,2°**  
Stability Index: **110,1**  
OSR Category: **2**

### Owner

Mihkel Kosk  
Lootsi 6, Pärnu  
Estonia  
PJK

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

Signature



BOAT	GPH	HULL
Name <b>AIDA</b> Sail Nr <b>EST 26</b>	<b>719,2</b>	Data File <b>Est0026.dxt</b> LOA <b>7,620 m</b> Offset File <b>Aida.off</b> MB <b>2,692 m</b> Displacement <b>1 800 kg</b> Draft <b>1,943 m</b>
CLASS		IMS Division <b>Performance</b> Dynamic All. <b>0,173%</b> Fwd Accom. <b>No</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>01.1990</b> Age Allowance <b>0,975%</b>		IMS L <b>6,429</b> Wetted Area <b>11,40 m²</b> VCGM <b>-0,100</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>719,2</b>	<b>784,5</b>
Time On Time	<b>0,8342</b>	<b>0,8604</b>
Performance Line	PLT <b>0,804</b> PLD <b>156,2</b>	PLT <b>1,054</b> PLD <b>420,6</b>
Triple Number	Low <b>0,8367</b> Medium <b>1,0501</b> High <b>1,1697</b>	Low <b>0,6490</b> Medium <b>0,8777</b> High <b>0,9970</b>



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## ORC Club Certificate Appendix

### BOAT

Name	<b>AIDA</b>	Certificate Number	<b>EST026</b>
Sail Nr	<b>EST 26</b>	Issued On	<b>30.06.2010</b>

### TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1132,3</b>	<b>923,8</b>	<b>846,2</b>	<b>808,6</b>	<b>785,6</b>	<b>770,8</b>	<b>766,8</b>
52°	<b>730,5</b>	<b>654,0</b>	<b>616,3</b>	<b>592,5</b>	<b>580,7</b>	<b>572,6</b>	<b>564,2</b>
60°	<b>700,8</b>	<b>638,1</b>	<b>602,9</b>	<b>577,2</b>	<b>563,0</b>	<b>554,9</b>	<b>545,9</b>
75°	<b>682,8</b>	<b>623,8</b>	<b>584,3</b>	<b>558,0</b>	<b>543,6</b>	<b>529,3</b>	<b>518,1</b>
90°	<b>674,2</b>	<b>614,0</b>	<b>576,3</b>	<b>546,9</b>	<b>525,2</b>	<b>514,8</b>	<b>496,8</b>
110°	<b>695,9</b>	<b>630,8</b>	<b>590,5</b>	<b>557,8</b>	<b>529,9</b>	<b>505,6</b>	<b>466,9</b>
120°	<b>732,6</b>	<b>648,6</b>	<b>604,1</b>	<b>569,9</b>	<b>540,7</b>	<b>514,9</b>	<b>466,3</b>
135°	<b>864,3</b>	<b>693,3</b>	<b>634,1</b>	<b>595,3</b>	<b>563,7</b>	<b>536,4</b>	<b>487,9</b>
150°	<b>1027,4</b>	<b>794,8</b>	<b>679,2</b>	<b>627,6</b>	<b>591,5</b>	<b>561,5</b>	<b>511,8</b>
Run VMG	<b>1186,3</b>	<b>917,8</b>	<b>762,1</b>	<b>676,9</b>	<b>627,8</b>	<b>592,7</b>	<b>538,1</b>

### Selected Courses

Windward / Leeward	<b>1179,6</b>	<b>938,9</b>	<b>817,6</b>	<b>752,8</b>	<b>714,6</b>	<b>689,0</b>	<b>659,3</b>
Circular Random	<b>974,8</b>	<b>794,1</b>	<b>699,0</b>	<b>644,3</b>	<b>610,4</b>	<b>587,5</b>	<b>556,8</b>
Ocean for PCS	<b>1039,5</b>	<b>828,7</b>	<b>713,7</b>	<b>644,8</b>	<b>599,7</b>	<b>567,5</b>	<b>520,9</b>
Non Spinnaker	<b>1023,3</b>	<b>827,3</b>	<b>723,0</b>	<b>662,9</b>	<b>625,7</b>	<b>600,9</b>	<b>568,7</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>43,2°</b>	<b>38,8°</b>	<b>35,8°</b>	<b>34,4°</b>	<b>33,4°</b>	<b>32,8°</b>	<b>33,4°</b>
Beat VMG	<b>3,18</b>	<b>3,90</b>	<b>4,25</b>	<b>4,45</b>	<b>4,58</b>	<b>4,67</b>	<b>4,69</b>
52°	<b>4,93</b>	<b>5,50</b>	<b>5,84</b>	<b>6,08</b>	<b>6,20</b>	<b>6,29</b>	<b>6,38</b>
60°	<b>5,14</b>	<b>5,64</b>	<b>5,97</b>	<b>6,24</b>	<b>6,39</b>	<b>6,49</b>	<b>6,59</b>
75°	<b>5,27</b>	<b>5,77</b>	<b>6,16</b>	<b>6,45</b>	<b>6,62</b>	<b>6,80</b>	<b>6,95</b>
90°	<b>5,34</b>	<b>5,86</b>	<b>6,25</b>	<b>6,58</b>	<b>6,85</b>	<b>6,99</b>	<b>7,25</b>
110°	<b>5,17</b>	<b>5,71</b>	<b>6,10</b>	<b>6,45</b>	<b>6,79</b>	<b>7,12</b>	<b>7,71</b>
120°	<b>4,91</b>	<b>5,55</b>	<b>5,96</b>	<b>6,32</b>	<b>6,66</b>	<b>6,99</b>	<b>7,72</b>
135°	<b>4,17</b>	<b>5,19</b>	<b>5,68</b>	<b>6,05</b>	<b>6,39</b>	<b>6,71</b>	<b>7,38</b>
150°	<b>3,50</b>	<b>4,53</b>	<b>5,30</b>	<b>5,74</b>	<b>6,09</b>	<b>6,41</b>	<b>7,03</b>
Run VMG	<b>3,03</b>	<b>3,92</b>	<b>4,72</b>	<b>5,32</b>	<b>5,73</b>	<b>6,07</b>	<b>6,69</b>
Gybe Angles	<b>145,8°</b>	<b>145,7°</b>	<b>163,0°</b>	<b>176,7°</b>	<b>178,2°</b>	<b>178,4°</b>	<b>178,5°</b>